

June 27, 2016 Regular Meeting

1. Meeting Agenda

Documents: [CC160627_AGENDA.PDF](#)

2. Item 3B2

Warrant Register No. 575

Documents: [CC160627_ITEM 3B2.PDF](#)

3. Item 3B3

Approval of Minutes - May 23, 2016

Documents: [CC160627_ITEM 3B3.PDF](#)

4. Item 3B4

Expiration and Extension of Coastal Development Permits and Criteria for Grading Permit Issuance

Documents: [CC160627_ITEM 3B4.PDF](#)

5. Item 3B5

Paradise Cove Stormwater Filter Media Replacement Project Contract

Documents: [CC160627_ITEM 3B5.PDF](#)

6. Item 3B6

Engineering and Traffic Survey

Documents: [CC160627_ITEM 3B6.PDF](#)

7. Item 3B7

Amendments to Agreements with Solid Waste Solutions, Inc. and SCS Engineers to Provide Solid Waste Consulting Services

Documents: [CC160627_ITEM 3B7_.PDF](#)

8. Item 3B8

Professional Services Agreement and Memorandum of Understanding to Implement the Coordinated Integrated Monitoring Program

Documents: [CC160627_ITEM 3B8.PDF](#)

9. Item 3B9

Rezoning Four Open Space Lots to Rural Residential (Assessor Parcel Numbers 4449-009-001, -002, -003, and -004)

Documents: [CC160627_ITEM 3B9.PDF](#)

10. Item 4A

Amendments to Malibu Municipal Code Chapter 5.34 (Special Events)

Documents: [CC160627_ITEM 4A.PDF](#)

11. Item 4B

Valet Attendant Safety Requirements

Documents: [CC160627_ITEM 4B.PDF](#)

12. Item 4C

Proposed Budget for Fiscal Year 2016-2017

Documents: [CC160627_ITEM 4C.PDF](#)

13. Item 6A

Integrated Pest Management (IPM) Policy and Program

Documents: [CC160627_ITEM 6A.PDF](#)

Malibu City Council
Regular Meeting Agenda

Monday, June 27, 2016

6:30 P.M. – REGULAR CITY COUNCIL MEETING

**City Hall – Council Chambers
23825 Stuart Ranch Road**

Six-thirty p.m. **Regular Session**

Public Hearings will begin at 6:30 p.m., or as soon thereafter as possible, but in no event later than 7:30 p.m.

Call to Order - Mayor

Roll Call - Recording Secretary

Pledge of Allegiance

Approval of Agenda

Report on Posting of Agenda – June 17, 2016

1. Ceremonial/Presentations

None.

2. Written and Oral Communications from the Public

A. Communications from the Public concerning matters which are not on the agenda but for which the City Council has subject matter jurisdiction. City Council may not act on these matters except to refer the matters to staff or schedule the matters for a future agenda.

B. Commission / Committee / City Manager Updates

C. City Council Subcommittee reports / Mayor and Councilmember meeting attendance, reports and inquiries

3. Consent Calendar

A. Previously Discussed Items

None.

B. New Items

1. Waive Further Reading

Recommended Action: After the City Attorney has read the title, waive full reading of ordinances considered on this agenda for introduction on first reading and/or second reading and adoption.

Staff contact: City Attorney Hogin, 456-2489 ext. 228

2. Approve Warrants

Recommended Action: Allow and approve warrant demand numbers 47658-47768 listed on the register from the General Fund and direct the City Manager to pay out the funds to each of the claimants listed in Warrant Register No. 575 in the amount of the warrant appearing opposite their names, for the purposes stated on the respective demands in a total amount of \$383,654.53. City of Malibu payroll check numbers 4668-4672 and ACH deposits were issued in the amount of \$305,216.07.

Staff contact: City Manager Feldman, 456-2489 ext. 226

3. Approval of Minutes

Recommended Action: Approve the minutes for the May 23, 2016 Regular City Council meeting.

Staff contact: City Clerk Pope, 456-2489 ext. 228

4. Expiration and Extension of Coastal Development Permits and Criteria for Grading Permit Issuance

Recommended Action: 1) Adopt Resolution No. 16-31 initiating amendments to the Local Coastal Program (LCP) and Title 17 of the Malibu Municipal Code (MMC) amending provisions concerning expiration and extension of coastal development permits, and criteria for grading permit issuance; and 2) Direct the Planning Commission to schedule a public hearing regarding the MMC and LCP amendments.

Staff contact: Planning Director Blue, 456-2489 ext. 258

5. Paradise Cove Stormwater Filter Media Replacement Project Contract

Recommended Action: 1) Approve the award and authorize the City Manager to execute a construction contract with Oak Tree Construction in the amount of \$60,065 for the construction of the Paradise Cove Stormwater Filter Media Replacement Project, Specification No. 2062; and 2) Authorize the Public Works Director to approve any potential change orders up to 24% of the contract amount.

Staff contact: Public Works Director Brager, 456-2489 ext. 247

6. Engineering and Traffic Survey

Recommended Action: 1) Approve and adopt the Engineering and Traffic Survey to establish speed limits; and 2) Consider the recommendation of the Public Safety Commission to lower the speed limit from 40 mph to 35 mph on the segment of Civic Center Way from Malibu Canyon Road to Webb Way.

Staff contact: Public Works Director Brager, 456-2489 ext. 247

7. Amendments to Agreements with Solid Waste Solutions, Inc. and SCS Engineers to Provide Solid Waste Consulting Services

Recommended Action: 1) Authorize the City Manager to execute Amendment No. 1 to Agreement with Solid Waste Solutions, Inc. to provide primary solid waste consulting services and to allow for a two-year extension of the existing agreement through June 30, 2018; and 2) Authorize the City Manager to execute Amendment No. 1 to agreement with SCS Engineers as a secondary consultant and to allow for a two-year extension to the existing agreement through June 30, 2018.

Staff contact: Environmental Sustainability Director George, 456-2489 ext. 229

8. Professional Services Agreement and Memorandum of Understanding to Implement the Coordinated Integrated Monitoring Program

Recommended Action: 1) Authorize the City Manager to execute a professional services agreement with Tetra Tech in an amount not to exceed \$1,208,258 to provide a three year program for water quality monitoring, technical assistance, and reporting in order to implement the Coordinated Integrated Monitoring Program (CIMP) for the North Santa Monica Bay Coastal Watersheds and to comply with the municipal NPDES stormwater permit; and 2) Authorize the City Manager to execute a Memorandum of Understanding between the City of Malibu, Los Angeles County Flood Control District and the County of Los Angeles for the administration and cost sharing to implement the CIMP.

Staff contact: Environmental Sustainability Director George, 456-2489 ext. 229

9. Rezoning Four Open Space Lots to Rural Residential (Assessor Parcel Numbers 4449-009-001, -002, -003, and -004)

Recommended Action: Adopt Resolution No. 16-32 initiating Local Coastal Program Amendment No. 16-003 to correct a land use and zoning discrepancy between the City of Malibu zoning and land use maps and the City of Malibu Local Coastal Program maps from Public Open Space to Rural Residential-20 acre minimum lot size for four lots identified as APNs 4449-009-001, -002, -003, and -004 (also known as 5603 Tuna Canyon Road).

Staff contact: Planning Director Blue, 456-2489 ext. 258

4. Ordinances and Public Hearings**A. Amendments to Malibu Municipal Code Chapter 5.34 (Special Events)**

Recommended Action: 1) After the City Attorney reads the title of the ordinance, introduce on first reading Ordinance No. 406, determining the project is categorically exempt from the California Environmental Quality Act and amending Malibu Municipal Code Chapter 5.34 (Special Events); and 2) Direct staff to schedule second reading and adoption of Ordinance No. 406 for the July 11, 2016 Regular City Council meeting.

Staff contact: Planning Director Blue, 456-2489 ext. 258

B. Valet Attendant Safety Requirements

Recommended Action: 1) After the City Attorney reads the title of the ordinance, introduce on first reading Ordinance No. 407 adding Chapter 9.38 (Valet Attendant Safety Requirements) to the Malibu Municipal Code Title 9 (Public Peace and Welfare) requiring valet parking attendants to wear high-visibility safety apparel while providing valet services in the public right-of-ways within the City limits; and 2) Direct staff to schedule second reading and adoption of Ordinance No. 407 for the July 11, 2016 Regular City Council meeting.

Staff contact: Public Works Director Brager, 456-2489 ext. 247

C. Proposed Budget for Fiscal Year 2016-2017

Recommended Action: 1) Adopt Resolution No. 16-33 adopting the Annual Budget for Fiscal Year (FY) 2016-2017; 2) Approve the Annual Work Plan for FY 2016-2017; 3) Adopt Resolution No. 16-34 approving the FY 2016-2017 Authorized Positions and Salary Ranges; and 4) Adopt Resolution No. 16-35 establishing the Appropriations Limit for FY 2016-2017.

Staff contact: City Manager Feldman, 456-2489 ext. 226

5. Old Business

None.

6. New Business**A. Integrated Pest Management (IPM) Policy and Program**

Recommended Action: 1) Consider recommendations from the Parks and Recreation Commission; and 2) Provide direction to staff regarding possible revisions to Council Policy No. 49 (IPM Policy) and the IPM Program.

Staff contact: City Manager Feldman, 456-2489 ext. 226

7. Council Items

None.

Adjournment**Future Meetings**

Monday, July 11, 2016	6:30 p.m.	Regular City Council Meeting	City Hall Council Chambers
Monday, July 25, 2016		CANCELLED	
Monday, August 8, 2016	6:30 p.m.	Regular City Council Meeting	City Hall Council Chambers
Monday, August 22, 2016	6:30 p.m.	Regular City Council Meeting	City Hall Council Chambers

Guide to the City Council Proceedings

The Oral Communication portion of the agenda is for members of the public to present items, which are not listed on the agenda but are under the subject matter jurisdiction of the City Council. No action may be taken under, except to direct staff unless the Council, by a two-thirds vote, determines that there is a need to take immediate action and that need came to the attention of the City after the posting of the agenda. Although no action may be taken, the Council and staff will follow up, at an appropriate time, on those items needing response. Each speaker is limited to three (3) minutes. Time may be surrendered by deferring one (1) minute to another speaker, not to exceed a total of eight (8) minutes. The speaker wishing to defer time must be present when the item is heard. In order to be recognized and present an item, each speaker must complete and submit to the Recording Secretary a Request to Speak form prior to the beginning of the item being announced by the Mayor (forms are available outside the Council Chambers). Speakers are taken in the order slips are submitted.

Items in Consent Calendar Section A have already been considered by the Council at a previous meeting where the public was invited to comment, after which a decision was made. These items are not subject to public discussion at this meeting because the vote taken at the previous meeting was final. Resolutions concerning decisions made at previous meetings are for the purpose of memorializing the decision to assure the accuracy of the findings, the prior vote, and any conditions imposed.

Items in Consent Calendar Section B have not been discussed previously by the Council. If discussion is desired, an item may be removed from the Consent Calendar for individual consideration. Councilmembers may indicate a negative or abstaining vote on any individual item by so declaring prior to the vote on the motion to adopt the entire Consent Calendar. Items excluded from the Consent Calendar will be taken up by the Council following the action on the Consent Calendar. The Council first will take up the items for which public speaker requests have been submitted. Public speakers shall follow the rules as set forth under Oral Communication.

For Public Hearings involving zoning matters the appellant and applicant will be given 15 minutes each to present their position to the City Council, including rebuttal time. All other testimony shall follow the rules as set forth under Oral Communication.

Old Business items have appeared on previous agendas but have either been continued or tabled to this meeting with no final action having been taken. Public comment shall follow the rules as set forth under Oral Communication.

Items in New Business are items, which are appearing for the first time for formal action. Public comment shall follow the rules as set forth under Oral Communication.

City Council Items are items, which individual members of the City Council may bring up for action, to propose future agenda items or to suggest future staff assignments. No new items will be taken-up after 10:30 p.m. without a two-thirds vote of the City Council.

City Council meetings are aired live and replayed on City of Malibu Government Access Channel 3 and on the City's website at www.malibucity.org/video. Copies of the staff reports or other written documentation relating to each item of business described above are on file in the office of the City Clerk, Malibu City Hall, 23825 Stuart Ranch Road, Malibu, California and are available for public inspection during regular office hours which are 7:30 a.m. to 5:30 p.m., Monday through Thursday and 7:30 a.m. to 4:30 p.m., Friday. Written materials distributed to the City Council within 72 hours of the City Council meeting are available for public inspection immediately upon distribution in the City Clerk's office at 23825 Stuart Ranch Road, Malibu, California (Government Code Section 54957.5.b.2). Copies of staff reports and written materials may be

purchased for \$0.10 per page. Pursuant to State law, this agenda was posted at least 72 hours prior to the meeting.

The City Hall phone number is (310) 456-2489. To contact City Hall using a telecommunication device for the deaf (TDD), please call (800) 735-2929 and a California Relay Service operator will assist you. In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Environmental Sustainability Director Craig George, (310) 456-2489, ext. 229. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting. [28 CFR 35.102-35.104 ADD Title II]. Requests for use of audio or video equipment during a Council meeting should be directed to Alex Montano at (310) 456-2489 ext. 227 or amontano@malibucity.org. Material must be submitted by 12:00 p.m. on the meeting day.

I hereby certify under penalty of perjury, under the laws of the State of California that the foregoing agenda was posted in accordance with the applicable legal requirements. Regular and Adjourned Regular meeting agendas may be amended up to 72 hours in advance of the meeting. Dated this 17th day of June 2016.


Heather Glaser, Deputy City Clerk

WARRANT REGISTER NO. 575

On June 27, 2016, the Malibu City Council allowed and approved the above warrant demand numbers 47658 – 47768 from the General Fund. The City Manager is hereby directed to pay out the funds named hereon to each of the claimants listed above, the amount appearing opposite their name for the purpose stated on the respective demands, making a total of \$383,654.53. City of Malibu payroll check numbers 4668 - 4672 and ACH deposits were issued in the amount of \$305,216.07.

PASSED, APPROVED and ADOPTED this 27th day of June 2016.

Laura Rosenthal
Mayor

ATTEST:

Lisa Pope
City Clerk

CERTIFICATE

In accordance with Government Code Section 37202, I certify that the above demands are accurate and that funds are available for payment thereof. This certification is based on an examination of source documents relating to randomly selected sample of transactions and analysis of cash flow reports.

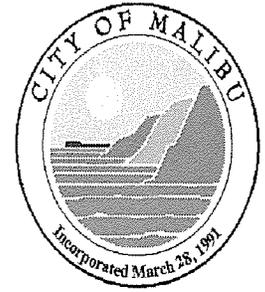
EXECUTED this 27th day of June 2016, AT MALIBU, CALIFORNIA

Reva Feldman
City Manager

Accounts Payable

Checks by Date - Summary By Check Number

User: jhand
Printed: 6/15/2016 - 11:22 AM



Check Number	Vendor No	Vendor Name	Check Date	Check Amount
47658	ACCOUNT	OfficeTeam A Robert Half Compa	06/02/2016	2,101.06
47659	ACORN	J Bee NP Publishing LTD	06/02/2016	890.88
47660	AEGIS	AEGIS Security & Investigations	06/02/2016	150.00
47661	ALLIANT2	Alliant Insurance Services, Inc.	06/02/2016	520.00
47662	AMERIGA	Amerigas Propane LP	06/02/2016	478.25
47663	ARTTREK	ART Trek, Inc	06/02/2016	100.00
47664	BATARSEK	Kimberly Batarse	06/02/2016	285.00
47665	CAMEB	Barbara A. Cameron	06/02/2016	8,154.30
47666	CANON	Canon Solutions America, Inc	06/02/2016	104.77
47667	CHEVRON	Chevron & Texaco Bus. Card Srv	06/02/2016	761.46
47668	CINTAS	Cintas Corporation #2	06/02/2016	161.16
47669	CONEJOA	Conejo Awards	06/02/2016	184.00
47670	COOPERM	Marsha Cooper	06/02/2016	525.00
47671	CWEA LA	CWEA	06/02/2016	197.00
47672	EMPIRE	Empire Chemical Company Inc	06/02/2016	1,130.22
47673	ERIKNIN	Nina Eriksson	06/02/2016	822.50
47674	EXECEVE	Executive Event Services LLC	06/02/2016	895.00
47675	FERCANOL	Laura DeMieri Fercano	06/02/2016	291.20
47676	GALLOK	Katie Gallo	06/02/2016	9.72
47677	GARTNER	Gartner Films	06/02/2016	408.00
47678	GLOBALW	Globalwide Media	06/02/2016	100.00
47679	GRAPHICC	Graphic Consultants, Inc	06/02/2016	6,923.80
47680	HOUSE	Joan House	06/02/2016	1,285.21
47681	KIRCBRI	Brian Kircher	06/02/2016	76.68
47682	LACOCLE	LA County Registrar-Recorder LA	06/02/2016	75.00
47683	LACOCLE	LA County Registrar-Recorder LA	06/02/2016	75.00
47684	LACOCLE	LA County Registrar-Recorder LA	06/02/2016	75.00
47685	LACOSHE	LA Co Sheriff'S Department	06/02/2016	724.28
47686	LACOWAT	LA Co MalibuTreasurer-Waterwo	06/02/2016	4,861.80
47687	LAMONTE	Lou La Monte	06/02/2016	211.68
47688	LIPPMAN	Peter Lippman	06/02/2016	310.00
47689	MALIBAY	Malibu Bay Company	06/02/2016	1,766.00
47690	MALIBUG	Malibu Guitar Festival Inc	06/02/2016	83.33
47691	MILES	Sten Miles	06/02/2016	46.98
47692	MONAHAN	Ann Monahan	06/02/2016	140.00
47693	NAICKERV	Vasudevan Naicker	06/02/2016	125.00
47694	NATIONA	National Construction Rentals, Inc	06/02/2016	382.60
47695	PEAKSK	Skylar Peak	06/02/2016	715.90
47696	RAMOREB	Rebecca Ramos	06/02/2016	57.99
47697	RIZTRAN	Triana	06/02/2016	1,000.00
47698	SAHEARM	Armyan Sahebkar	06/02/2016	33.00
47699	SOUTHCOS	South Coast AQMD	06/02/2016	122.53
47700	STAPLES	Staples Contract & Commercial Ir	06/02/2016	1,047.00
47701	STORAGE	StorageContainer.com	06/02/2016	198.00
47702	TELEPAC	TelePacific Communications	06/02/2016	1,758.50

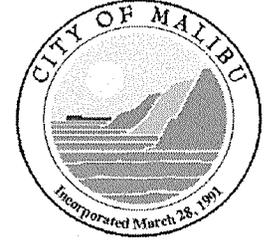
Check Number	Vendor No	Vendor Name	Check Date	Check Amount
47703	TOTALGRA	Brian Shore	06/02/2016	413.48
47704	TRIYOGA	TriYoga International	06/02/2016	225.00
47705	ULINE	Uline Inc	06/02/2016	258.57
47706	VALLEYCR	ValleyCrest Landscape Maintenan	06/02/2016	1,020.00
47707	ICMA457	ICMA Retirement Trust 457 - 303	06/06/2016	14,477.89
47708	ICMACM	ICMA 401-Plan # 108658	06/06/2016	496.15
47709	ICMADH	ICMA 401-Plan # 108650	06/06/2016	461.52
47710	PERSRET	CalPERS Retirement	06/06/2016	31,299.54
47711	USBANK2	U.S. Bank	06/06/2016	699.95
47712	22CENMED	Freedom Media LLC/ 22nd Centu	06/09/2016	292.50
47713	ACCOUNTTE	OfficeTeam A Robert Half Compa	06/09/2016	818.44
47714	AEP	AEP	06/09/2016	925.00
47715	ALVADIA	Diana L. A. Alvarez	06/09/2016	689.50
47716	ANAWALT	Anawalt Lumber Co., Inc	06/09/2016	119.40
47717	ARC	ARC Document Solutions LLC	06/09/2016	272.14
47718	BONDA	Aaron W Bond	06/09/2016	75.00
47719	CANON	Canon Solutions America, Inc	06/09/2016	238.72
47720	COMPLIA	Compliance Biology, Inc.	06/09/2016	6,562.50
47721	ELYJRS	Hilario Simental Jr	06/09/2016	920.00
47722	FIORIA	Adrianna Fiori	06/09/2016	211.40
47723	FLOSYSTE	Flo-Services, Inc	06/09/2016	4,908.80
47724	FRONTIER	Frontier California Inc	06/09/2016	364.99
47725	Fugro	Fugro Consultants, Inc.	06/09/2016	278.75
47726	GATES	SWAG Corporation	06/09/2016	830.00
47727	GIINDUS	GI Industries	06/09/2016	3,090.94
47728	GOVERNFN	Governmental Financial Service	06/09/2016	1,035.00
47729	GRANICUS	Granicus, Inc	06/09/2016	1,200.00
47730	HARFOUCH	Lily Harfouche	06/09/2016	2,280.00
47731	HYPERNET	HyperNet, Inc	06/09/2016	1,850.00
47732	IMPACTSC	Impact Sciences Inc	06/09/2016	1,302.50
47733	JARETK	Krishna Jaret	06/09/2016	285.00
47734	JENKINS	Jenkins & Hogin, LLP	06/09/2016	35,455.10
47735	KIMLEY	Kimley-Horn and Associates Inc	06/09/2016	8,446.89
47736	KONICA	Konica Minolta Business Solution	06/09/2016	71,800.00
47737	LACOCLE	LA County Registrar-Recorder LA	06/09/2016	75.00
47738	LACOCLE	LA County Registrar-Recorder LA	06/09/2016	75.00
47739	LACOWAT	LA Co MalibuTreasurer-Waterwo	06/09/2016	747.60
47740	MALICOM	Malibu Comm Labor Exchange	06/09/2016	578.00
47741	MALITIM	Malibu Times	06/09/2016	932.00
47742	MALIYEL	Khaled R. Karame	06/09/2016	13,832.95
47743	MASTERCO	Master Cooling Corporation	06/09/2016	1,881.17
47744	MICHBAK	Michael Baker International Inc	06/09/2016	15,365.36
47745	MOSSER	Mosser Plumbing & Heating Inc	06/09/2016	410.00
47746	NAICKERV	Vasudevan Naicker	06/09/2016	100.00
47747	PARTYP	U-Rent Inc/Party Pleasers	06/09/2016	3,767.50
47748	PETERPRI	Jennifer Petersen-Price	06/09/2016	630.00
47749	PIERMIT	Mitchell Pieracci	06/09/2016	822.50
47750	PRECISI	Precision Business Machine Inc	06/09/2016	161.25
47751	REGENCYL	Regency Enterprises Inc	06/09/2016	107.37
47752	RINCONC	Rincon Consultants, Inc	06/09/2016	14,411.58
47753	RIVERSI	Riverside Rubber Stamp & Engra	06/09/2016	62.89
47754	RIZTRAN	Triana	06/09/2016	125.00
47755	ROUNDSTA	Round Star West LLC	06/09/2016	2,921.80
47756	RPBARRI	R P Barricade, Inc.	06/09/2016	690.04
47757	SANDBOX	Sandbox Computer for Kids Inc	06/09/2016	965.30

Check Number	Vendor No	Vendor Name	Check Date	Check Amount
47758	SCEDISO	Southern California Edison Comp	06/09/2016	10,904.34
47759	SCOTTL	Lawrence Winfield Scott	06/09/2016	1,260.00
47760	SMMSD	Santa Monica Malibu Unified Sch	06/09/2016	135.00
47761	SOLIDWA	Solid Waste Solutions, Inc.	06/09/2016	29,069.04
47762	UNDERGR	Underground Service Alert/SC	06/09/2016	73.50
47763	USBANK	U.S. Bank	06/09/2016	33,968.19
47764	VERIZONW	Verizon Wireless Services LLC	06/09/2016	1,343.68
47765	VIAWEST	ViaWest Inc	06/09/2016	745.00
47766	XANADU	Xanadu Service System	06/09/2016	3,150.00
47767	KOFSKYA	Amanda Kofsky	06/10/2016	9,999.00
47768	THOMASE	Evan Thomas	06/10/2016	375.00
Report Total:				383,654.53

Accounts Payable

Transactions by Account

User: jhand
 Printed: 06/15/2016 - 11:25AM
 Batch: 00000.00.0000



Checks from: 00047658 To: 00047768

Account Number	description	Vendor	Description	Check No	Amount
Fund: 100					
Dept:0000					
100-0000-2021-00	COBRA Payable	CalPERS Retirement	PR 02.06.2016 EE Contribution -	47710	358.12
100-0000-2021-00	COBRA Payable	CalPERS Retirement	PR 02.06.2016 ER Contribution -	47710	478.50
Vendor Subtotal for Dept:0000					836.62
Dept:0000					
100-0000-3461-00	Municipal Facility Use Fee	Gartner Films	Refund- Facility rental fee P&R-(47677	408.00
Vendor Subtotal for Dept:0000					408.00
Dept:0000					
100-0000-3467-00	Day Camp Fees	Kimberly Batarse	Refund-Surf Camp-Madison Smit	47664	285.00
Vendor Subtotal for Dept:0000					285.00
Dept:0000					
100-0000-3467-00	Day Camp Fees	Lily Harfouche	Refund- Surf sessions 5,6,7,8-Co	47730	2,280.00
Vendor Subtotal for Dept:0000					2,280.00
Dept:0000					
100-0000-3467-00	Day Camp Fees	Krishna Jaret	Refund-Surf Camp session 3-Hud	47733	285.00
Vendor Subtotal for Dept:0000					285.00
Dept:0000					
100-0000-3470-00	Community Classes	Armyan Sahebkar	Refund-Spanish Grade 1-5 -Army	47698	33.00

Account Number	description	Vendor	Description	Check No	Amount
Vendor Subtotal for Dept:0000					33.00
Dept:3001					
100-3001-5120-00	Street Maintenance	Fugro Consultants, Inc.	Review-Latigo Cyn broken well v	47725	278.75
Vendor Subtotal for Dept:3001					278.75
Dept:3001					
100-3001-5721-00	Telephone	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	68.88
100-3001-5721-00	Telephone	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	114.03
100-3001-5721-00	Telephone	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	62.42
Vendor Subtotal for Dept:3001					245.33
Dept:3001					
100-3001-5722-00	Electricity	Southern California Edison Compan	Broad Beach-May'16	47758	26.69
100-3001-5722-00	Electricity	Southern California Edison Compan	Cross Creek Rd Ped-May'16	47758	25.03
100-3001-5722-00	Electricity	Southern California Edison Compan	Rambla Light-May'16	47758	20.35
100-3001-5722-00	Electricity	Southern California Edison Compan	St Lighting-May'16	47758	1,706.94
100-3001-5722-00	Electricity	Southern California Edison Compan	Traffic Control-May'16	47758	87.76
100-3001-5722-00	Electricity	Southern California Edison Compan	Winter Cyn-May'16	47758	47.72
Vendor Subtotal for Dept:3001					1,914.49
Dept:3001					
100-3001-5725-00	Trash Pickup/Recycling	GI Industries	Garbage-Bluffs Park-Jun'16-1831	47727	371.24
100-3001-5725-00	Trash Pickup/Recycling	GI Industries	Garbage-Equestrian Park-Jun'16-	47727	180.80
100-3001-5725-00	Trash Pickup/Recycling	GI Industries	Garbage-Bus Stop-Jun'16-183153	47727	2,191.21
100-3001-5725-00	Trash Pickup/Recycling	GI Industries	Garbage-Cross Creek-Jun'16-183	47727	175.83
Vendor Subtotal for Dept:3001					2,919.08
Dept:3001					
100-3001-6160-00	Operating Supplies	R P Barricade, Inc.	Temp. No Parking signs	47756	72.56
100-3001-6160-00	Operating Supplies	R P Barricade, Inc.	25 MPH- Pt. Dume Neighborhood	47756	617.48

Account Number	description	Vendor	Description	Check No	Amount
				Vendor Subtotal for Dept:3001	690.04
Dept:3001					
100-3001-6160-00	Operating Supplies	Underground Service Alert/SC	Dig Alerts-Apr'16	47762	73.50
				Vendor Subtotal for Dept:3001	73.50
Dept:3007					
100-3007-5610-00	Fac Maintenance-Civic Center	Flo-Services, Inc	Repair Pumps @ CCSTF	47723	4,908.80
				Vendor Subtotal for Dept:3007	4,908.80
Dept:3007					
100-3007-5722-00	Electricity	Southern California Edison Company	CCSTF-May'16	47758	1,517.46
				Vendor Subtotal for Dept:3007	1,517.46
Dept:3007					
100-3007-5723-00	Water	LA Co MalibuTreasurer-Waterworks	Water-CCSTF-3/7-5/4/16-Bill# 3	47739	373.80
100-3007-5723-00	Water	LA Co MalibuTreasurer-Waterworks	Water-Cross Crk Irrigation-3/7-5/	47739	373.80
				Vendor Subtotal for Dept:3007	747.60
Dept:3008					
100-3008-5107-00	Contract Personnel	OfficeTeam A Robert Half Company	Temp Staffing-PW-William W-W	47658	1,080.00
				Vendor Subtotal for Dept:3008	1,080.00
Dept:3008					
100-3008-5125-00	Traffic Engineering	Kimley-Horn and Associates Inc	Task 2-Striping in Pt. Dume, marl	47735	4,867.97
				Vendor Subtotal for Dept:3008	4,867.97
Dept:3008					
100-3008-5300-00	Travel and Training	U.S. Bank	Shavelson E-CCCA conference-r	47763	25.92

Account Number	description	Vendor	Description	Check No	Amount
100-3008-5300-00	Travel and Training	U.S. Bank	Shavelson E-CCCA conference-ir	47763	12.95
100-3008-5300-00	Travel and Training	U.S. Bank	Duboux R-Parking fee - PCH Tas	47763	2.00
100-3008-5300-00	Travel and Training	U.S. Bank	Neermann R-CCCA Conference r	47763	19.87
Vendor Subtotal for Dept:3008					60.74
Dept:3008					
100-3008-5721-00	Telephone	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	137.76
Vendor Subtotal for Dept:3008					137.76
Dept:3008					
100-3008-6160-00	Operating Supplies	Santa Monica Malibu Unified Schoo	Community Mtg @ Pt. Dume-6/1	47760	135.00
Vendor Subtotal for Dept:3008					135.00
Dept:4001					
100-4001-5100-00	Professional Services	AEGIS Security & Investigations Inc	Bluffs Park - Security for Memori	47660	150.00
Vendor Subtotal for Dept:4001					150.00
Dept:4001					
100-4001-5100-00	Professional Services	Michael Baker International Inc	Bluffs Parkland Consultant-Apr'1	47744	15,365.36
Vendor Subtotal for Dept:4001					15,365.36
Dept:4001					
100-4001-5405-00	Printing	Graphic Consultants, Inc	Printing-Summer 2016 Rec Guide	47679	6,923.80
Vendor Subtotal for Dept:4001					6,923.80
Dept:4001					
100-4001-5405-00	Printing	U.S. Bank	Riesgo K-stock photo for Rec Gu	47763	14.99
Vendor Subtotal for Dept:4001					14.99
Dept:4001					

Account Number	description	Vendor	Description	Check No	Amount
100-4001-5721-00	Telephone	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	612.98
			Vendor Subtotal for Dept:4001		612.98
Dept:4001					
100-4001-6160-00	Operating Supplies	Conejo Awards	Staff name tags (16)	47669	184.00
			Vendor Subtotal for Dept:4001		184.00
Dept:4001					
100-4001-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-P&R	47700	108.73
			Vendor Subtotal for Dept:4001		108.73
Dept:4001					
100-4001-6160-00	Operating Supplies	U.S. Bank	Rector C-P&R supplies-plotter pa	47763	84.32
			Vendor Subtotal for Dept:4001		84.32
Dept:4001					
100-4001-6170-00	Events	J Bee NP Publishing LTD	Concert on the Bluffs Advertising	47659	890.88
			Vendor Subtotal for Dept:4001		890.88
Dept:4001					
100-4001-6170-00	Events	Alliant Insurance Services, Inc.	Special Event Liability Insur-Con	47661	520.00
			Vendor Subtotal for Dept:4001		520.00
Dept:4001					
100-4001-6170-00	Events	Executive Event Services LLC	Event staff for Concert on the Blu	47674	895.00
			Vendor Subtotal for Dept:4001		895.00
Dept:4001					
100-4001-6170-00	Events	Amanda Kofsky	Producer for Ballet Dancers Trouj	47767	9,999.00
			Vendor Subtotal for Dept:4001		9,999.00
Dept:4001					
100-4001-6170-00	Events	U-Rent Inc/Party Pleasers	Rental items for Concert on the B	47747	3,767.50

Account Number	description	Vendor	Description	Check No	Amount
Vendor Subtotal for Dept:4001					3,767.50
Dept:4001					
100-4001-6170-00	Events	Triana	Shuttles for Concert on the Bluffs	47697	1,000.00
100-4001-6170-00	Events	Triana	Additional shuttle for an hr- Conc	47754	125.00
Vendor Subtotal for Dept:4001					1,125.00
Dept:4001					
100-4001-6170-00	Events	Evan Thomas	Stage Manager for Concert on the	47768	375.00
Vendor Subtotal for Dept:4001					375.00
Dept:4001					
100-4001-6170-00	Events	Brian Shore	Banners for Concert on the Bluffs	47703	367.70
Vendor Subtotal for Dept:4001					367.70
Dept:4001					
100-4001-6170-00	Events	U.S. Bank	Crittenden A-Concert on the Bluff	47763	38.70
100-4001-6170-00	Events	U.S. Bank	Gallo K-Concert on the Bluffs-De	47763	1,000.00
100-4001-6170-00	Events	U.S. Bank	Gallo K-Concert on the Bluffs sup	47763	158.02
Vendor Subtotal for Dept:4001					1,196.72
Dept:4002					
100-4002-6160-00	Operating Supplies	U.S. Bank	Gallo K-Aquatics supplies	47763	96.35
Vendor Subtotal for Dept:4002					96.35
Dept:4006					
100-4006-5107-00	Contract Personnel	Nina Eriksson	Sports instructor-N Eriksson-You	47673	577.50
100-4006-5107-00	Contract Personnel	Nina Eriksson	Sports instructor-N Eriksson-Littl	47673	245.00
Vendor Subtotal for Dept:4006					822.50
Dept:4006					
100-4006-5340-00	Transportation & Mileage	Katie Gallo	Reimburse mileage-Mtg with SM	47676	9.72

Account Number	description	Vendor	Description	Check No	Amount
					9.72
			Vendor Subtotal for Dept:4006		9.72
Dept:4006					
100-4006-6160-00	Operating Supplies	U.S. Bank	Gallo K-Sports supplies	47763	279.33
					279.33
			Vendor Subtotal for Dept:4006		279.33
Dept:4007					
100-4007-5107-00	Contract Personnel	Diana L. A. Alvarez	Class instructor-D Alvarez-Spanis	47715	689.50
					689.50
			Vendor Subtotal for Dept:4007		689.50
Dept:4007					
100-4007-5107-00	Contract Personnel	Adrianna Fiori	Class instructor-A Fiori-Ballet-Pa	47722	211.40
					211.40
			Vendor Subtotal for Dept:4007		211.40
Dept:4007					
100-4007-5107-00	Contract Personnel	Jennifer Petersen-Price	Class instructor-J Price-Earth Wo	47748	630.00
					630.00
			Vendor Subtotal for Dept:4007		630.00
Dept:4007					
100-4007-5107-00	Contract Personnel	Mitchell Pieracci	Class instructor-M Pieracci-Wate	47749	822.50
					822.50
			Vendor Subtotal for Dept:4007		822.50
Dept:4007					
100-4007-5107-00	Contract Personnel	Round Star West LLC	Class instructor-RSW-SSS 2-3 4/	47755	451.50
100-4007-5107-00	Contract Personnel	Round Star West LLC	Class instructor-RSW-SSS 3-4 4/	47755	604.80
100-4007-5107-00	Contract Personnel	Round Star West LLC	Class instructor-RSW-SSS 4-5 4/	47755	199.50
100-4007-5107-00	Contract Personnel	Round Star West LLC	Class instructor-RSW-SSS 4-5 4/	47755	441.00
100-4007-5107-00	Contract Personnel	Round Star West LLC	Class instructor-RSW-SSS Pt Dur	47755	833.00
100-4007-5107-00	Contract Personnel	Round Star West LLC	Class instructor-RSW-SSS Kick&	47755	392.00
					2,921.80
			Vendor Subtotal for Dept:4007		2,921.80
Dept:4007					
100-4007-5107-00	Contract Personnel	Sandbox Computer for Kids Inc	Class instructor-Sandbox-Minecr	47757	326.20
100-4007-5107-00	Contract Personnel	Sandbox Computer for Kids Inc	Class instructor-Sandbox-Gamem	47757	625.80

Account Number	description	Vendor	Description	Check No	Amount
100-4007-5107-00	Contract Personnel	Sandbox Computer for Kids Inc	Class instructor-Sandbox-Lego R	47757	13.30
			Vendor Subtotal for Dept:4007		965.30
Dept:4007					
100-4007-5107-00	Contract Personnel	Lawrence Winfield Scott	Class instructor-L Scott-Cartooni	47759	868.00
100-4007-5107-00	Contract Personnel	Lawrence Winfield Scott	Class instructor-L Scott-Chess-4/i	47759	392.00
			Vendor Subtotal for Dept:4007		1,260.00
Dept:4007					
100-4007-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-P&R-Comm Clas	47700	16.94
100-4007-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-P&R-Comm Clas	47700	24.18
			Vendor Subtotal for Dept:4007		41.12
Dept:4007					
100-4007-6160-00	Operating Supplies	U.S. Bank	Riesgo K-Community classes exp	47763	122.26
100-4007-6160-00	Operating Supplies	U.S. Bank	Reyna M-P&R-SendGrid email se	47763	9.95
			Vendor Subtotal for Dept:4007		132.21
Dept:4008					
100-4008-5107-00	Contract Personnel	ART Trek, Inc	Senior instructor-Art Trek-Works	47663	100.00
			Vendor Subtotal for Dept:4008		100.00
Dept:4008					
100-4008-5107-00	Contract Personnel	Aaron W Bond	Entertainment for senior luncheor	47718	75.00
			Vendor Subtotal for Dept:4008		75.00
Dept:4008					
100-4008-5107-00	Contract Personnel	Marsha Cooper	Senior instructor-M Cooper-Stret	47670	525.00
			Vendor Subtotal for Dept:4008		525.00
Dept:4008					
100-4008-5107-00	Contract Personnel	Laura DeMieri Fercano	Senior instructor-L Fercano-Choit	47675	291.20

Account Number	description	Vendor	Description	Check No	Amount
					Vendor Subtotal for Dept:4008
					291.20
Dept:4008					
100-4008-5107-00	Contract Personnel	Ann Monahan	Senior instructor-A Monahan-Aer	47692	140.00
					Vendor Subtotal for Dept:4008
					140.00
Dept:4008					
100-4008-5107-00	Contract Personnel	TriYoga International	Senior instructor-TriYoga-Chair/\	47704	225.00
					Vendor Subtotal for Dept:4008
					225.00
Dept:4008					
100-4008-6160-00	Operating Supplies	Rebecca Ramos	Reimburse- items for Healthy Eat	47696	42.73
100-4008-6160-00	Operating Supplies	Rebecca Ramos	Reimburse- food for volunteers	47696	15.26
					Vendor Subtotal for Dept:4008
					57.99
Dept:4008					
100-4008-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-P&R Senior Ctr	47700	46.27
100-4008-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-P&R Senior Ctr	47700	45.80
					Vendor Subtotal for Dept:4008
					92.07
Dept:4008					
100-4008-6160-00	Operating Supplies	U.S. Bank	Crittenden A-Senior Ctr Annivers	47763	152.58
100-4008-6160-00	Operating Supplies	U.S. Bank	Odello T-Senior Ctr supplies	47763	228.30
100-4008-6160-00	Operating Supplies	U.S. Bank	Odello T-Senior Ctr Theater Thur:	47763	2.69
100-4008-6160-00	Operating Supplies	U.S. Bank	Odello T-Senior Ctr sheet music f	47763	31.46
100-4008-6160-00	Operating Supplies	U.S. Bank	Odello T-Senior Ctr monthly Lun	47763	542.82
100-4008-6160-00	Operating Supplies	U.S. Bank	Frederiksen R-Senior Ctr tableclo	47763	119.40
					Vendor Subtotal for Dept:4008
					1,077.25
Dept:4008					
100-4008-6176-00	Recreation Trip Admissions	U.S. Bank	Odello T-Senior trip expenses	47763	401.66
					Vendor Subtotal for Dept:4008
					401.66

Account Number	description	Vendor	Description	Check No	Amount
Dept:4009					
100-4009-5300-00	Travel and Training	U.S. Bank	Riesgo K-Youth Commission sup	47763	110.14
			Vendor Subtotal for Dept:4009		110.14
Dept:4009					
100-4009-6160-00	Operating Supplies	U.S. Bank	Riesgo K-Teen Film Festival sup	47763	169.94
			Vendor Subtotal for Dept:4009		169.94
Dept:4010					
100-4010-5100-00	Professional Services	SWAG Corporation	Equestrian Park Security Svcs-M	47726	830.00
			Vendor Subtotal for Dept:4010		830.00
Dept:4010					
100-4010-5100-00	Professional Services	Xanadu Service System	City Parks Janitorial Svcs-Apr'16	47766	900.00
100-4010-5100-00	Professional Services	Xanadu Service System	City Parks Janitorial Svcs-May'16	47766	2,250.00
			Vendor Subtotal for Dept:4010		3,150.00
Dept:4010					
100-4010-5130-00	Parks Maintenance	Anawalt Lumber Co., Inc	P&R Park Maint Supplies-May'16	47716	1.83
			Vendor Subtotal for Dept:4010		1.83
Dept:4010					
100-4010-5130-00	Parks Maintenance	U.S. Bank	Delsi D-P&R Shipping supplies	47763	5.00
			Vendor Subtotal for Dept:4010		5.00
Dept:4010					
100-4010-5300-00	Travel and Training	U.S. Bank	Belter A-Field Day 2016 worksho	47763	119.00
			Vendor Subtotal for Dept:4010		119.00
Dept:4010					

Account Number	description	Vendor	Description	Check No	Amount
100-4010-5610-00	Facility Maintenance	Anawalt Lumber Co., Inc	P&R Park Fac maint supplies-Ma	47716	47.46
			Vendor Subtotal for Dept:4010		47.46
Dept:4010					
100-4010-5610-00	Facility Maintenance	Cintas Corporation #2	Bluffs-Annual Fire Extinguisher i	47668	161.16
			Vendor Subtotal for Dept:4010		161.16
Dept:4010					
100-4010-5610-00	Facility Maintenance	U.S. Bank	Delsi D-Las Flores maint-door ha	47763	46.62
			Vendor Subtotal for Dept:4010		46.62
Dept:4010					
100-4010-5640-00	Equipment Maintenance	U.S. Bank	Delsi D-Repairs for Danny's work	47763	63.43
			Vendor Subtotal for Dept:4010		63.43
Dept:4010					
100-4010-5710-00	Facilities Rent	National Construction Rentals, Inc	Bluffs Portable Toilet rental 5/12-	47694	382.60
			Vendor Subtotal for Dept:4010		382.60
Dept:4010					
100-4010-5722-00	Electricity	Southern California Edison Company	Parks/Recs-May'16	47758	547.83
100-4010-5722-00	Electricity	Southern California Edison Company	PCH Median-May'16	47758	25.80
100-4010-5722-00	Electricity	Southern California Edison Company	Rambla Pacifico-May'16	47758	25.68
			Vendor Subtotal for Dept:4010		599.31
Dept:4010					
100-4010-5723-00	Water	LA Co MalibuTreasurer-Waterworks	Water-Equestrian Park-Fire line-3	47686	515.85
100-4010-5723-00	Water	LA Co MalibuTreasurer-Waterworks	Water-Equestrian Park-3/14-5/11/	47686	373.80
100-4010-5723-00	Water	LA Co MalibuTreasurer-Waterworks	Water-Trancas Park-3/16-5/16/16-	47686	3,897.39
100-4010-5723-00	Water	LA Co MalibuTreasurer-Waterworks	Water-Broad Beach-3/17-5/17/16-	47686	74.76
			Vendor Subtotal for Dept:4010		4,861.80

Account Number	description	Vendor	Description	Check No	Amount
Dept:4010					
100-4010-6160-00	Operating Supplies	U.S. Bank	Gallo K-Trancas Park dog signs l	47763	104.49
Vendor Subtotal for Dept:4010					104.49
Dept:4010					
100-4010-6300-00	Repair & Maint. Supplies	U.S. Bank	Delsi D-P&R Tools/hardware	47763	58.47
Vendor Subtotal for Dept:4010					58.47
Dept:4011					
100-4011-6160-00	Operating Supplies	U.S. Bank	Riesgo K-CineMalibu supplies	47763	78.48
100-4011-6160-00	Operating Supplies	U.S. Bank	Riesgo K-Easter bunny costume c	47763	92.75
Vendor Subtotal for Dept:4011					171.23
Dept:7001					
100-7001-5300-00	Travel and Training	Joan House	Reimburse-expenses/mileage CCC	47680	1,285.21
Vendor Subtotal for Dept:7001					1,285.21
Dept:7001					
100-7001-5300-00	Travel and Training	Lou La Monte	Reimburse mileage-CCCA Mtg/S	47687	211.68
Vendor Subtotal for Dept:7001					211.68
Dept:7001					
100-7001-5300-00	Travel and Training	Skylar Peak	Reimburse-expenses/mileage CCC	47695	715.90
Vendor Subtotal for Dept:7001					715.90
Dept:7001					
100-7001-5300-00	Travel and Training	U.S. Bank	Linden M-LaMonte-League CA C	47763	249.96
100-7001-5300-00	Travel and Training	U.S. Bank	Feldman R-LaMonte lunch-CCC/	47763	34.20
100-7001-5300-00	Travel and Training	U.S. Bank	Thorsen J-Hotel room cancelled-I	47763	-134.12
Vendor Subtotal for Dept:7001					150.04

Account Number	description	Vendor	Description	Check No	Amount
Dept:7001					
100-7001-5721-00	Telephone - Cellular Data	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	76.02
Vendor Subtotal for Dept:7001					76.02
Dept:7001					
100-7001-6160-00	Operating Supplies	U.S. Bank	Glaser H-Supplies for City Counc	47763	10.78
Vendor Subtotal for Dept:7001					10.78
Dept:7001					
100-7001-6170-00	Events	Brian Shore	25th Anniversary event poster	47703	45.78
Vendor Subtotal for Dept:7001					45.78
Dept:7001					
100-7001-6170-00	Events	U.S. Bank	Feldman R-25th anniversay event	47763	191.74
100-7001-6170-00	Events	U.S. Bank	Pope L-CCAC Annual conference	47763	10.24
Vendor Subtotal for Dept:7001					201.98
Dept:7002					
100-7002-5300-00	Travel and Training	U.S. Bank	Montano A-CCCA Conference ex	47763	752.19
100-7002-5300-00	Travel and Training	U.S. Bank	Myerhoff M-CCCA Conference e	47763	1,341.63
100-7002-5300-00	Travel and Training	U.S. Bank	Neermann R-CCCA Conference r	47763	27.33
Vendor Subtotal for Dept:7002					2,121.15
Dept:7002					
100-7002-5401-00	Advertising & Noticing	U.S. Bank	Myerhoff M-Music for video proc	47763	2.97
Vendor Subtotal for Dept:7002					2.97
Dept:7002					
100-7002-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-Media	47700	73.31

Account Number	description	Vendor	Description	Check No	Amount
					73.31
			Vendor Subtotal for Dept:7002		
Dept:7002					
100-7002-6160-00	Operating Supplies	U.S. Bank	Montano A-Broadcast supplies	47763	21.24
					21.24
			Vendor Subtotal for Dept:7002		
Dept:7002					
100-7002-6170-00	Events	U.S. Bank	Myerhoff M-25th Anniversay adv	47763	25.00
					25.00
			Vendor Subtotal for Dept:7002		
Dept:7003					
100-7003-5105-00	Grant Consultant	Barbara A. Cameron	Grant Consulting Services-May'11	47665	8,000.00
					8,000.00
			Vendor Subtotal for Dept:7003		
Dept:7003					
100-7003-5105-01	Grant Consultant Expenses	Barbara A. Cameron	Grant Consulting Expenses-May'	47665	154.30
					154.30
			Vendor Subtotal for Dept:7003		
Dept:7003					
100-7003-5300-00	Travel and Training	U.S. Bank	Feldman R-CCCA conference exp	47763	1,190.30
100-7003-5300-00	Travel and Training	U.S. Bank	Linden M-CCCA Conf Registrati	47763	1,250.00
100-7003-5300-00	Travel and Training	U.S. Bank	Feldman R-Feldman lunch-CCCA	47763	34.20
100-7003-5300-00	Travel and Training	U.S. Bank	Pope L-CCCA conference expens	47763	958.98
					3,433.48
			Vendor Subtotal for Dept:7003		
Dept:7003					
100-7003-5721-00	Telephone	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	136.17
					136.17
			Vendor Subtotal for Dept:7003		

Account Number	description	Vendor	Description	Check No	Amount
Dept:7003					
100-7003-6160-00	Operating Supplies	U.S. Bank	Feldman R-Parking fee-Metro Ex	47763	2.50
100-7003-6160-00	Operating Supplies	U.S. Bank	Linden M-City Mgr/ASD lunch n	47763	221.45
100-7003-6160-00	Operating Supplies	U.S. Bank	Feldman R-Feldman/Stallings lun	47763	45.24
100-7003-6160-00	Operating Supplies	U.S. Bank	Feldman R-City Mgr office suppl	47763	36.99
100-7003-6160-00	Operating Supplies	U.S. Bank	Feldman R-Feldman/DuBoux lun	47763	48.51
100-7003-6160-00	Operating Supplies	U.S. Bank	Frederiksen R-Office supplies-Cit	47763	203.18
Vendor Subtotal for Dept:7003					557.87
Dept:7005					
100-7005-5101-00	General Legal Counsel	Jenkins & Hogin, LLP	General Legal Svcs-May'16	47734	23,198.00
Vendor Subtotal for Dept:7005					23,198.00
Dept:7005					
100-7005-5102-00	Litigation	Jenkins & Hogin, LLP	Litigation Svcs-May'16	47734	12,257.10
Vendor Subtotal for Dept:7005					12,257.10
Dept:7007					
100-7007-5100-00	Professional Services	Granicus, Inc	Granicus-Open Platform-Jun'16	47729	400.00
100-7007-5100-00	Professional Services	Granicus, Inc	Granicus-City Council Streaming	47729	800.00
Vendor Subtotal for Dept:7007					1,200.00
Dept:7007					
100-7007-5100-00	Professional Services	U.S. Bank	Glaser H-Veribook online passpor	47763	35.00
Vendor Subtotal for Dept:7007					35.00
Dept:7007					
100-7007-5100-01	Document Imaging Services	Konica Minolta Business Solutions U	Agenda Management Solution for	47736	71,800.00
Vendor Subtotal for Dept:7007					71,800.00
Dept:7007					

Account Number	description	Vendor	Description	Check No	Amount
100-7007-5300-00	Travel and Training	U.S. Bank	Pope L-CCAC Annual conference	47763	393.94
100-7007-5300-00	Travel and Training	U.S. Bank	Glaser H-Expenses-CCAC annual	47763	394.02
			Vendor Subtotal for Dept:7007		787.96
Dept:7007					
100-7007-5330-00	Dues & Memberships	U.S. Bank	Glaser H-IIMC annual membersh	47763	155.00
			Vendor Subtotal for Dept:7007		155.00
Dept:7007					
100-7007-5401-00	Advertising & Noticing	Malibu Times	Ordinance no. 405-1st reading ad:	47741	48.00
			Vendor Subtotal for Dept:7007		48.00
Dept:7007					
100-7007-6160-00	Operating Supplies	Riverside Rubber Stamp & Engravin	Self inking City Seals	47753	62.89
			Vendor Subtotal for Dept:7007		62.89
Dept:7007					
100-7007-6160-00	Operating Supplies	U.S. Bank	Pope L-City Clerk - Remote PC a	47763	21.90
100-7007-6160-00	Operating Supplies	U.S. Bank	Pope L-CCAC Annual conference	47763	10.35
100-7007-6160-00	Operating Supplies	U.S. Bank	Pope L-City Clerk supplies-Dust l	47763	85.98
			Vendor Subtotal for Dept:7007		118.23
Dept:7021					
100-7021-6160-00	Operating Supplies	U.S. Bank	Davis B-EOC supplies/expenses	47763	660.02
			Vendor Subtotal for Dept:7021		660.02
Dept:7031					
100-7031-5640-00	Equipment Maintenance	Southern California Edison Compan	Tier-May'16	47758	118.01
			Vendor Subtotal for Dept:7031		118.01

Account Number	description	Vendor	Description	Check No	Amount
Dept:7054					
100-7054-5100-00	Professional Services	Governmental Financial Service	FY 15/16 GL Review & CFD 200	47728	1,035.00
Vendor Subtotal for Dept:7054					1,035.00
Dept:7054					
100-7054-5100-01	City Treasurer	Peter Lippman	City Treasurer-May'16	47688	310.00
Vendor Subtotal for Dept:7054					310.00
Dept:7054					
100-7054-5117-00	Film Permit Consultant	Solid Waste Solutions, Inc.	Film Permits-May'16	47761	29,069.04
Vendor Subtotal for Dept:7054					29,069.04
Dept:7054					
100-7054-5300-00	Travel and Training	U.S. Bank	Neermann R-CCCA Conference €	47763	86.57
Vendor Subtotal for Dept:7054					86.57
Dept:7054					
100-7054-5330-00	Dues & Memberships	U.S. Bank	Neermann R-GFOA Membership	47763	150.00
Vendor Subtotal for Dept:7054					150.00
Dept:7054					
100-7054-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-Finance	47700	16.12
Vendor Subtotal for Dept:7054					16.12
Dept:7054					
100-7054-6160-00	Operating Supplies	U.S. Bank	Montano A-Webex monthly fee	47763	24.00
Vendor Subtotal for Dept:7054					24.00

Account Number	description	Vendor	Description	Check No	Amount
Dept:7058					
100-7058-5320-00	Recruitment Expense	U.S. Bank	Blue B-Interview panel lunch-Pla	47763	186.05
100-7058-5320-00	Recruitment Expense	U.S. Bank	Walker J-HR Recruiting Ads	47763	550.00
100-7058-5320-00	Recruitment Expense	U.S. Bank	Walker J-HR Recruiting interview	47763	44.30
Vendor Subtotal for Dept:7058					780.35
Dept:7058					
100-7058-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-HR	47700	25.36
100-7058-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-HR	47700	41.10
Vendor Subtotal for Dept:7058					66.46
Dept:7058					
100-7058-6170-00	Events	U.S. Bank	Frederiksen R-HR Events-Tablecl	47763	181.15
100-7058-6170-00	Events	U.S. Bank	Glaser H-Supplies-HR event-J Th	47763	77.75
Vendor Subtotal for Dept:7058					258.90
Dept:7059					
100-7059-5205-00	Postage	U.S. Bank	Walker J-Postage	47763	29.40
100-7059-5205-00	Postage	U.S. Bank	Montano A-Postage	47763	6.80
100-7059-5205-00	Postage	U.S. Bank	Glaser H-Postage-Fedex-Stradlin	47763	31.21
Vendor Subtotal for Dept:7059					67.41
Dept:7059					
100-7059-5300-00	Travel and Training	U.S. Bank	Frederiksen R-CCCA Conference	47763	245.40
100-7059-5300-00	Travel and Training	U.S. Bank	Neermann R-CCCA Conference r	47763	16.77
Vendor Subtotal for Dept:7059					262.17
Dept:7059					
100-7059-5640-00	Equipment Maintenance	Canon Solutions America, Inc	Copier Maint DRL61286-Plan 2/2	47666	104.77
100-7059-5640-00	Equipment Maintenance	Canon Solutions America, Inc	Copier Maint HTK14196-PW 2/2	47719	238.72

Account Number	description	Vendor	Description	Check No	Amount
				Vendor Subtotal for Dept:7059	343.49
Dept:7059					
100-7059-5721-00	Telephone	TelePacific Communications	City Hall Fac Phone 5/16-6/15/16	47702	1,758.50
				Vendor Subtotal for Dept:7059	1,758.50
Dept:7059					
100-7059-6160-00	Operating Supplies	ARC Document Solutions LLC	Nameplate-Jessica C	47717	31.60
				Vendor Subtotal for Dept:7059	31.60
Dept:7059					
100-7059-6160-00	Operating Supplies	Precision Business Machine Inc	Printer Supplies	47750	161.25
				Vendor Subtotal for Dept:7059	161.25
Dept:7059					
100-7059-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-City Hall-Paper	47700	334.41
				Vendor Subtotal for Dept:7059	334.41
Dept:7059					
100-7059-6160-00	Operating Supplies	U.S. Bank	Neermann R-Office supplies-Die	47763	305.00
100-7059-6160-00	Operating Supplies	U.S. Bank	Rector C-Kitchen supplies	47763	84.42
				Vendor Subtotal for Dept:7059	389.42
				Subtotal for Fund: 100	251,842.28
Fund: 101					
Dept:2001					
101-2001-5100-00	Professional Services	Rincon Consultants, Inc	Rincon Contract Planners-Mar'16	47752	14,411.58
				Vendor Subtotal for Dept:2001	14,411.58

Account Number	description	Vendor	Description	Check No	Amount
Dept:2001					
101-2001-5100-01	Coastal Dev. Permit Services	Compliance Biology, Inc.	City Biologist-May '16	47720	6,562.50
Vendor Subtotal for Dept:2001					6,562.50
Dept:2001					
101-2001-5107-00	Contract Personnel	OfficeTeam A Robert Half Company	Temp Staffing-Plan-Marina S-WF	47658	1,021.06
101-2001-5107-00	Contract Personnel	OfficeTeam A Robert Half Company	Temp Staffing-Plan-Marina S-WF	47713	818.44
Vendor Subtotal for Dept:2001					1,839.50
Dept:2001					
101-2001-5210-00	Service Fees & Charges	LA County Registrar-Recorder LA Co	CEQA Filing-3434 Serra Road	47682	75.00
101-2001-5210-00	Service Fees & Charges	LA County Registrar-Recorder LA Co	CEQA Filing-3764 Las Flores Ca	47683	75.00
101-2001-5210-00	Service Fees & Charges	LA County Registrar-Recorder LA Co	CEQA Filing-6655 Dume Drive	47684	75.00
101-2001-5210-00	Service Fees & Charges	LA County Registrar-Recorder LA Co	CEQA Filing-30719 El Pequeno I	47737	75.00
101-2001-5210-00	Service Fees & Charges	LA County Registrar-Recorder LA Co	CEQA Filing-18954 Pacific Coas	47738	75.00
Vendor Subtotal for Dept:2001					375.00
Dept:2001					
101-2001-5300-00	Travel and Training	AEP	CEQA Training Workshop-Brend:	47714	925.00
Vendor Subtotal for Dept:2001					925.00
Dept:2001					
101-2001-5300-00	Travel and Training	U.S. Bank	Blue B-LEED Courses	47763	99.00
Vendor Subtotal for Dept:2001					99.00
Dept:2001					
101-2001-5401-00	Advertising & Noticing	Malibu Times	Public Notice ads-Times 5/12/16	47741	460.00
101-2001-5401-00	Advertising & Noticing	Malibu Times	Public Notice ad-Times 5/19/16	47741	104.00
101-2001-5401-00	Advertising & Noticing	Malibu Times	Public Notice ads-Times 5/26/16	47741	320.00
Vendor Subtotal for Dept:2001					884.00

Account Number	description	Vendor	Description	Check No	Amount
Dept:2001					
101-2001-5721-00	Telephone	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	56.57
Vendor Subtotal for Dept:2001					56.57
Dept:2001					
101-2001-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-Planning	47700	42.79
101-2001-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-Planning	47700	148.63
Vendor Subtotal for Dept:2001					191.42
Dept:2004					
101-2004-5340-00	Transportation & Mileage	Brian Kircher	Reimburse mileage-Training in Vi	47681	76.68
Vendor Subtotal for Dept:2004					76.68
Dept:2004					
101-2004-5340-00	Transportation & Mileage	Sten Miles	Reimburse mileage-Green Semin	47691	46.98
Vendor Subtotal for Dept:2004					46.98
Dept:2004					
101-2004-5415-00	Public Records Printing	U.S. Bank	Ernst J-copies for requests for pul	47763	473.83
Vendor Subtotal for Dept:2004					473.83
Dept:2004					
101-2004-5721-00	Telephone	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	233.99
Vendor Subtotal for Dept:2004					233.99
Dept:2004					
101-2004-6160-00	Operating Supplies	U.S. Bank	Rossine T-ESD supplies-labels	47763	61.30
101-2004-6160-00	Operating Supplies	U.S. Bank	Reyna M-ESD supplies-Digital Si	47763	960.00
Vendor Subtotal for Dept:2004					1,021.30

Account Number	description	Vendor	Description	Check No	Amount
Dept:2010					
101-2010-5721-00	Telephones	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	53.77
Vendor Subtotal for Dept:2010					53.77
Dept:2010					
101-2010-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-Wastewater	47700	109.42
Vendor Subtotal for Dept:2010					109.42
Dept:2012					
101-2012-5721-00	Telephone	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	40.01
Vendor Subtotal for Dept:2012					40.01
Dept:3003					
101-3003-5330-00	Dues & Memberships	CWEA	ECl-2 Renewal Fee (2015-16 & 2	47671	197.00
Vendor Subtotal for Dept:3003					197.00
Dept:3003					
101-3003-5330-00	Dues & Memberships	U.S. Bank	Brown J-GotomyPC.com annual f	47763	179.40
Vendor Subtotal for Dept:3003					179.40
Dept:3003					
101-3003-6160-00	Operating Supplies	U.S. Bank	Brown J-Stormwater training supj	47763	21.66
Vendor Subtotal for Dept:3003					21.66
Subtotal for Fund: 101					27,798.61
Fund: 103					
Dept:9050					

Account Number	description	Vendor	Description	Check No	Amount
103-9050-5100-00	Professional Services	Master Cooling Corporation	City Hall HVAC Maint-Jun'16	47743	1,881.17
			Vendor Subtotal for Dept:9050		1,881.17
Dept:9050					
103-9050-5610-00	Facilities Maintenance	Amerigas Propane LP	Propane-City Hall 05/19/16	47662	478.25
			Vendor Subtotal for Dept:9050		478.25
Dept:9050					
103-9050-5610-00	Facilities Maintenance	Mosser Plumbing & Heating Inc	City Hall septic repairs	47745	410.00
			Vendor Subtotal for Dept:9050		410.00
Dept:9050					
103-9050-5610-00	Facilities Maintenance	Regency Enterprises Inc	Lamps	47751	107.37
			Vendor Subtotal for Dept:9050		107.37
Dept:9050					
103-9050-5610-00	Facilities Maintenance	South Coast AQMD	AQMD Fee FY 15/16-AB2588-F:	47699	122.53
			Vendor Subtotal for Dept:9050		122.53
Dept:9050					
103-9050-5610-00	Facilities Maintenance	StorageContainer.com	City Hall Storage Cont Rental 6/2	47701	198.00
			Vendor Subtotal for Dept:9050		198.00
Dept:9050					
103-9050-5610-00	Facilities Maintenance	Uline Inc	HR shelf	47705	258.57
			Vendor Subtotal for Dept:9050		258.57
Dept:9050					
103-9050-5610-00	Facilities Maintenance	U.S. Bank	Frederiksen R-City Hall Fac main	47763	201.10
			Vendor Subtotal for Dept:9050		201.10
Dept:9050					
103-9050-5610-00	Facilities Maintenance	ValleyCrest Landscape Maintenance	City Hall 25th Anniversary mulch	47706	1,020.00

Account Number	description	Vendor	Description	Check No	Amount
				Vendor Subtotal for Dept:9050	1,020.00
Dept:9050					
103-9050-5722-00	Electricity	Southern California Edison Company	City Hall-May'16	47758	4,411.29
				Vendor Subtotal for Dept:9050	4,411.29
Dept:9050					
103-9050-6160-00	Operating Supplies	Anawalt Lumber Co., Inc	City Hall supplies	47716	45.88
				Vendor Subtotal for Dept:9050	45.88
Dept:9050					
103-9050-6160-00	Operating Supplies	Empire Chemical Company Inc	City Hall supplies-bathrooms	47672	1,130.22
				Vendor Subtotal for Dept:9050	1,130.22
Dept:9050					
103-9050-6160-00	Operating Supplies	Staples Contract & Commercial Inc	Office supplies-City Hall	47700	13.94
				Vendor Subtotal for Dept:9050	13.94
Dept:9050					
103-9050-6160-00	Operating Supplies	U.S. Bank	Pope L-CCAC Annual conference	47763	31.08
103-9050-6160-00	Operating Supplies	U.S. Bank	Pope L-City Hall supplies-Dust b	47763	53.74
				Vendor Subtotal for Dept:9050	84.82
Dept:9050					
103-9050-6300-00	Tools & Minor Equipment	U.S. Bank	Frederiksen R-City Hall tools/equ	47763	195.99
				Vendor Subtotal for Dept:9050	195.99
				Subtotal for Fund: 103	10,559.13
Fund: 203					

Account Number	description	Vendor	Description	Check No	Amount
Dept:3009					
203-3009-5145-00	Dial A Ride Services	Khaled R. Karame	Dial-a-Ride Prog-May'16	47742	13,832.95
Vendor Subtotal for Dept:3009					13,832.95
Subtotal for Fund: 203					13,832.95
Fund: 207					
Dept:3004					
207-3004-5850-00	Recycling supplies	U.S. Bank	Rossine T-Recycling supplies	47763	1,189.98
Vendor Subtotal for Dept:3004					1,189.98
Subtotal for Fund: 207					1,189.98
Fund: 215					
Dept:7070					
215-7070-5931-01	Labor Exchange	Malibu Comm Labor Exchange	Day Labor Exchange Program-M:	47740	578.00
Vendor Subtotal for Dept:7070					578.00
Subtotal for Fund: 215					578.00
Fund: 290					
Dept:6002					
290-6002-5722-00	Electricity	Southern California Edison Company	Asmt Dist Big Rock-May'16	47758	1,014.80
290-6002-5722-00	Electricity	Southern California Edison Company	Big Rock Inland Pump-May'16	47758	73.40
Vendor Subtotal for Dept:6002					1,088.20
Subtotal for Fund: 290					1,088.20
Fund: 291					
Dept:6003					

Account Number	description	Vendor	Description	Check No	Amount
291-6003-5722-00	Electricity	Southern California Edison Company	Asmt dst Malibu Rd-May'16	47758	105.57
			Vendor Subtotal for Dept:6003		105.57
			Subtotal for Fund: 291		105.57
Fund: 292					
Dept:6004					
292-6004-5722-00	Electricity	Southern California Edison Company	Asmt Dist Calle Del-May'16	47758	27.63
292-6004-5722-00	Electricity	Southern California Edison Company	Asmt Dist Rambla-May'16	47758	26.59
292-6004-5722-00	Electricity	Southern California Edison Company	Calle Del Barco-May'16	47758	25.17
			Vendor Subtotal for Dept:6004		79.39
			Subtotal for Fund: 292		79.39
Fund: 310					
Dept:9069					
310-9069-5100-00	Paradise Cove Media Filters	ARC Document Solutions LLC	Paradise Cove Specifications	47717	240.54
			Vendor Subtotal for Dept:9069		240.54
			Subtotal for Fund: 310		240.54
Fund: 500					
Dept:7008					
500-7008-5610-00	Facility Maintenance	Hilario Simental Jr	Septic pumping 23431 PCH-Anin	47721	460.00
500-7008-5610-00	Facility Maintenance	Hilario Simental Jr	Septic pumping 23431 PCH-Anin	47721	460.00
			Vendor Subtotal for Dept:7008		920.00
Dept:7008					
500-7008-5610-00	Facility Maintenance	GI Industries	Garbage-SuperCare-Jun'16-18316	47727	171.86
			Vendor Subtotal for Dept:7008		171.86

Account Number	description	Vendor	Description	Check No	Amount
Dept:7008					
500-7008-5610-00	Facility Maintenance	Malibu Bay Company	Jun '16 Sewer Maint-23661 PCH	47689	1,766.00
Vendor Subtotal for Dept:7008					1,766.00
Dept:7008					
500-7008-5722-00	Electricity	Southern California Edison Company	23661 PCH-May'16	47758	454.03
Vendor Subtotal for Dept:7008					454.03
Subtotal for Fund: 500					3,311.89
Fund: 601					
Dept:3005					
601-3005-5722-00	Electricity	Southern California Edison Company	Electric Car Charger-May'16	47758	616.59
Vendor Subtotal for Dept:3005					616.59
Dept:3005					
601-3005-6330-00	Vehicle Repair & Maintenance	Vasudevan Naicker	Car wash-City vehicles-5/26/16	47693	125.00
601-3005-6330-00	Vehicle Repair & Maintenance	Vasudevan Naicker	Car wash-City vehicles-6/2/16	47746	100.00
Vendor Subtotal for Dept:3005					225.00
Dept:3005					
601-3005-6330-00	Vehicle Repair & Maintenance	U.S. Bank	Hart T-Fleet Maintenance	47763	1,535.78
Vendor Subtotal for Dept:3005					1,535.78
Dept:3005					
601-3005-6500-00	Motor Fuels	Chevron & Texaco Bus. Card Srv	Gasoline for the period of 04/28-C	47667	761.46
Vendor Subtotal for Dept:3005					761.46
Dept:3005					
601-3005-6500-00	Motor Fuels	U.S. Bank	Neermann R-Fuel for City Vehicle	47763	32.93
601-3005-6500-00	Motor Fuels	U.S. Bank	Aladjajian A-Fuel for fleet	47763	31.17

Account Number	description	Vendor	Description	Check No	Amount
601-3005-6500-00	Motor Fuels	U.S. Bank	Hart T-Fuel for the fleet	47763	40.00
601-3005-6500-00	Motor Fuels	U.S. Bank	Crittenden A-Fuel for city vehicle	47763	34.62
601-3005-6500-00	Motor Fuels	U.S. Bank	Belter A-Fuel for work truck	47763	73.96
601-3005-6500-00	Motor Fuels	U.S. Bank	Delsi D-Fuel for work truck	47763	192.95
601-3005-6500-00	Motor Fuels	U.S. Bank	Montano A-Gas for City Vehicle	47763	88.01
Vendor Subtotal for Dept:3005					493.64
Subtotal for Fund: 601					3,632.47
Fund: 602					
Dept:7060					
602-7060-5100-00	Professional Services	HyperNet, Inc	IT Consulting-May'16	47731	1,850.00
Vendor Subtotal for Dept:7060					1,850.00
Dept:7060					
602-7060-5300-00	Travel and Training	U.S. Bank	Reyna M-Midtech conference exp	47763	367.99
602-7060-5300-00	Travel and Training	U.S. Bank	Neermann R-CCCA Conference r	47763	18.63
Vendor Subtotal for Dept:7060					386.62
Dept:7060					
602-7060-5330-00	Dues & Memberships	U.S. Bank	Reyna M-Renewal-MISAC	47763	160.00
Vendor Subtotal for Dept:7060					160.00
Dept:7060					
602-7060-5630-00	Computer Maintenance	U.S. Bank	Reyna M-Computer maint supplie	47763	574.58
Vendor Subtotal for Dept:7060					574.58
Dept:7060					
602-7060-5721-00	Telephone	Frontier California Inc	City Hall Fac Internet-5/28/16-6/2	47724	364.99

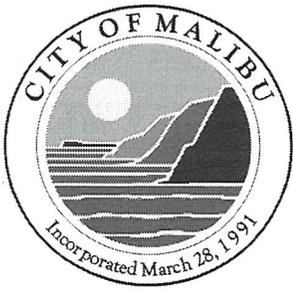
Account Number	description	Vendor	Description	Check No	Amount
					Vendor Subtotal for Dept:7060
					364.99
Dept:7060					
602-7060-5721-00	Telephone	U.S. Bank	Reyna M-Telephone equipment	47763	181.29
					Vendor Subtotal for Dept:7060
					181.29
Dept:7060					
602-7060-5721-00	Telephone	Verizon Wireless Services LLC	Cell phone Misc credit	47764	-450.00
602-7060-5721-00	Telephone	Verizon Wireless Services LLC	Cell Phone Service 05/24-6/23/16	47764	201.08
					Vendor Subtotal for Dept:7060
					-248.92
Dept:7060					
602-7060-6120-00	Computer Software < \$1,000	U.S. Bank	Reyna M-Computer software	47763	2,749.86
					Vendor Subtotal for Dept:7060
					2,749.86
Dept:7060					
602-7060-6160-00	Operating Supplies	U.S. Bank	Reyna M-Computer supplies	47763	107.91
602-7060-6160-00	Operating Supplies	U.S. Bank	Montano A-Computer supplies	47763	23.94
					Vendor Subtotal for Dept:7060
					131.85
Dept:7060					
602-7060-7400-00	Computer Equipment	U.S. Bank	Reyna M-Computer equipment	47763	446.77
					Vendor Subtotal for Dept:7060
					446.77
Dept:7060					
602-7060-7400-00	Computer Equipment	ViaWest Inc	Server Collocation-Phoenix-Jun'1	47765	745.00
					Vendor Subtotal for Dept:7060
					745.00
					Subtotal for Fund: 602
					7,342.04

Fund: 710

Account Number	description	Vendor	Description	Check No	Amount
Dept:0000					
710-0000-2270-06	Special Event Deposits	LA Co Sheriff'S Department	Sheriff's Fee-Malibu Guitar Festiv	47685	724.28
			Vendor Subtotal for Dept:0000		724.28
Dept:0000					
710-0000-2270-06	Special Event Deposits	Malibu Guitar Festival Inc	Refund- LA County Sheriff's Fees	47690	83.33
			Vendor Subtotal for Dept:0000		83.33
Dept:0000					
710-0000-2270-12	Parks - Security Deposits	Globalwide Media	Refund- Facility Rental Security I	47678	100.00
			Vendor Subtotal for Dept:0000		100.00
Dept:0000					
710-0000-2270-36	Senior Center Donations	U.S. Bank	Odello T-Senior Ctr movie	47763	7.31
			Vendor Subtotal for Dept:0000		7.31
Dept:0000					
710-0000-2270-38	Traffic Engineering Reviews	Kimley-Horn and Associates Inc	Task 1-3324 Malibu Cyn Rd-Mali	47735	1,894.26
710-0000-2270-38	Traffic Engineering Reviews	Kimley-Horn and Associates Inc	Task 1-3822 Cross Creek Rd Park	47735	1,684.66
			Vendor Subtotal for Dept:0000		3,578.92
Dept:0000					
710-0000-2270-44	Library Event	Freedom Media LLC/ 22nd Century I	Ads in Surfside-Library Speaker S	47712	292.50
			Vendor Subtotal for Dept:0000		292.50
Dept:0000					
710-0000-2270-44	Library Event	Anawalt Lumber Co., Inc	CCCA Conference supplies	47716	24.23
			Vendor Subtotal for Dept:0000		24.23
Dept:0000					
710-0000-2270-44	Library Event	U.S. Bank	Crittenden A-Library Speaker Ser	47763	124.04

Account Number	description	Vendor	Description	Check No	Amount
Vendor Subtotal for Dept:0000					124.04
Dept:0000					
710-0000-2270-53	CCCA Conference Donations	U.S. Bank	Neermann R-CCCA Conference s	47763	1,339.28
710-0000-2270-53	CCCA Conference Donations	U.S. Bank	Feldman R-CCCA conference exp	47763	4,711.51
710-0000-2270-53	CCCA Conference Donations	U.S. Bank	Hart T-Shinto Screen for CCCA c	47763	182.73
710-0000-2270-53	CCCA Conference Donations	U.S. Bank	Shavelson E-Food for workers-Cc	47763	420.84
710-0000-2270-53	CCCA Conference Donations	U.S. Bank	Ayala B-Shinto Screen for CCCA	47763	237.98
710-0000-2270-53	CCCA Conference Donations	U.S. Bank	Frederiksen R-CCCA Conference	47763	776.02
710-0000-2270-53	CCCA Conference Donations	U.S. Bank	Myerhoff M-CCCA Conference s	47763	216.86
710-0000-2270-53	CCCA Conference Donations	U.S. Bank	Montano A-CCCA Conference su	47763	1,332.72
Vendor Subtotal for Dept:0000					9,217.94
Dept:0000					
710-0000-2271-24	Malibu Memorial Park & Chapel	Impact Sciences Inc	Malibu Memorial Park EIR-throu	47732	1,302.50
Vendor Subtotal for Dept:0000					1,302.50
Subtotal for Fund: 710					15,455.05
Fund: 900					
Dept:0000					
900-0000-2040-00	PERS Retirement	CalPERS Retirement	PR Batch 70002.06.2016 PERS E	47710	10,997.46
Vendor Subtotal for Dept:0000					10,997.46
Dept:0000					
900-0000-2040-01	PERS Retirement Prepaid	CalPERS Retirement	PR Batch 70002.06.2016 PEPRA	47710	2,427.14
900-0000-2040-01	PERS Retirement Prepaid	CalPERS Retirement	PR Batch 70002.06.2016 PERS E	47710	14,694.14
Vendor Subtotal for Dept:0000					17,121.28
Dept:0000					
900-0000-2040-02	PERS/PEPRA Retirement	CalPERS Retirement	PR Batch 70002.06.2016 PEPRA	47710	2,344.18

Account Number	description	Vendor	Description	Check No	Amount
					Vendor Subtotal for Dept:0000
					2,344.18
Dept:0000					
900-0000-2041-00	PARS	U.S. Bank	PR Batch 70002.06.2016 PARS -	47711	578.62
900-0000-2041-00	PARS	U.S. Bank	PR Batch 70002.06.2016 PARS -	47711	121.33
					Vendor Subtotal for Dept:0000
					699.95
Dept:0000					
900-0000-2042-00	Deferred Compensation 457	ICMA Retirement Trust 457 - 303615	PR Batch 70002.06.2016 ICMA I	47707	905.51
900-0000-2042-00	Deferred Compensation 457	ICMA Retirement Trust 457 - 303615	PR Batch 70002.06.2016 ICMA I	47707	10,636.34
900-0000-2042-00	Deferred Compensation 457	ICMA Retirement Trust 457 - 303615	PR Batch 70002.06.2016 ER Con	47707	2,650.00
					Vendor Subtotal for Dept:0000
					14,191.85
Dept:0000					
900-0000-2042-01	ICMA Loan Program	ICMA Retirement Trust 457 - 303615	PR Batch 70002.06.2016 ICMA I	47707	286.04
					Vendor Subtotal for Dept:0000
					286.04
Dept:0000					
900-0000-2043-00	Deferred Compensation 401	ICMA 401-Plan # 108658	PR Batch 70002.06.2016 ICMA -	47708	496.15
					Vendor Subtotal for Dept:0000
					496.15
Dept:0000					
900-0000-2043-00	Deferred Compensation 401	ICMA 401-Plan # 108650	PR Batch 70002.06.2016 ICMA -	47709	461.52
					Vendor Subtotal for Dept:0000
					461.52
					Subtotal for Fund: 900
					46,598.43
					Report Total:
					383,654.53



Council Agenda Report

To: Mayor Rosenthal and the Honorable Members of the City Council

Prepared by: Lisa Pope, City Clerk *L. Pope*

Approved by: Reva Feldman, City Manager *R. Feldman*

Date prepared: June 13, 2016 Meeting date: June 27, 2016

Subject: Approval of Minutes

RECOMMENDED ACTION: Approve the minutes for the May 23, 2016 Regular City Council meeting.

FISCAL IMPACT: None.

DISCUSSION: Staff has prepared draft minutes for the May 23, 2016 Regular City Council meeting. Staff hereby submits the minutes for Council's approval.

ATTACHMENTS: May 23, 2016 Regular City Council meeting

MINUTES
MALIBU CITY COUNCIL
REGULAR MEETING
MAY 23, 2016
COUNCIL CHAMBERS
6:30 P.M.

CALL TO ORDER

Mayor Rosenthal called the meeting to order at 6:34 p.m.

ROLL CALL

The following persons were recorded in attendance by the Recording Secretary:

PRESENT: Mayor Laura Rosenthal; Mayor Pro Tem Lou La Monte; and Councilmembers Joan House, Skylar Peak (arrived at 7:58 p.m.), and John Sibert

ALSO PRESENT: Trevor Rusin, Assistant City Attorney; Reva Feldman, City Manager; Lisa Pope, City Clerk; Craig George, Environmental Sustainability Director; Bob Stallings, Parks and Recreation Director; Bonnie Blue, Planning Director; Rob DuBoux, Acting Public Works Director; Elizabeth Shavelson, Assistant to the City Manager; and Kristin Riesgo, Recreation Supervisor

PLEDGE OF ALLEGIANCE

Galen Selbert-Perkins led the Pledge of Allegiance.

APPROVAL OF AGENDA

MOTION Councilmember House moved and Councilmember Sibert seconded a motion to approve the agenda.

FRIENDLY AMENDMENT

Mayor Rosenthal moved to hear Item No. 7.A. following the Consent Calendar and adjourning in memory of Mary "Mac" Gonzalez and Craig Mattox. Councilmember House and Councilmember Sibert accepted the amendment.

The amended motion carried 4-0, Councilmember Peak absent.

REPORT ON POSTING OF AGENDA

City Clerk Pope reported that the agenda for the meeting was properly posted on May 12, 2016.

ITEM 1 CEREMONIAL/PRESENTATIONS

A. Southern California Gas Company Advanced Meter Project Overview

Mike Harriel, Southern California Gas Company Public Affairs Manager, introduced Daisie Cristobal Sanchez, Community Education and Outreach Project Manager, and Derek Sampson, Site Acquisition Manager.

Ms. Cristobal Sanchez explained the advanced meter project and community outreach efforts.

Mr. Sampson discussed co-location with Southern California Edison facilities.

ITEM 2.A. PUBLIC COMMENTS

Dave Rydman, Los Angeles County Waterworks District 29, provided an update on water conservation.

Councilmember Sibert discussed the importance of fixing leaks. He asked if infrastructure leaks were being reviewed. Mr. Rydman stated the District was identifying and prioritizing infrastructure needs.

In response to Mayor Rosenthal, Mr. Rydman stated Malibu's required reduction was 36%.

Mayor Rosenthal recognized Galen Selbert-Perkins as Honorary Mayor for the Day.

Anthony McDemas, PocketMate Maps, provided sample community maps and stated he was working with the Chamber of Commerce on creating a Malibu map.

ITEM 2.B. COMMISSION / COMMITTEE / CITY MANAGER UPDATES

Katherine Hall, Harry Barovsky Memorial Youth Commission, reported on Commission activities and accomplishments for the year and presented a video of graduating Commissioners.

City Manager Feldman provided contact information for residents with Frontier Communications issues. She announced upcoming Malibu Library events. She reminded the community of increased visitors over Memorial Day weekend.

ITEM 2.C. SUBCOMMITTEE REPORTS / COUNCIL COMMENTS

Mayor Pro Tem La Monte discussed the recent California Contract Cities Association Annual Conference, at which he was installed as President, and thanked staff. He stated he addressed the City's rehabilitation bill with lobbyists and attended a rally at the State Capital to get the legislature to pass a funding package to fix roads. He stated he, Mayor Rosenthal and City Manager Feldman

attended the opening of the Metro Expo Line. He discussed the May 23, 2016 Administration and Finance Subcommittee meeting.

Councilmember Sibert apologized for his absence from the last meeting.

Councilmember House announced the Concert on the Bluffs on June 12, 2016, 4:30 p.m.

Mayor Rosenthal stated she, Mayor Pro Tem La Monte and City Manager Feldman attended the opening of the Metro Expo Line. She discussed the Malibu Area Conservation Coalition (MACC) meeting regarding water issues and announced the Malibu One Water Festival on June 18, 2016, at Point Dume Marine Science School. She stated she participated on the 8th grade exit interviews. She congratulated Mayor Pro Tem La Monte on becoming President of California Contract Cities and thanked staff for putting on the conference. She discussed the recent Los Angeles (LA) County Library Commission meeting and stated she attended A Taste of Malibu. She announced a Homeless Connect Day on May 25, 2016, upcoming Malibu Unification Negotiations Committee meetings on May 24 and May 31, 2016, the City Hall closure in observance of Memorial Day, a Business Roundtable on June 3, 2016, the Concert on the Bluffs on June 12, 2016, and the Malibu High School Graduation on June 8, 2016.

ITEM 3 CONSENT CALENDAR

Item No. 3.A.1. was pulled by the public.

MOTION Mayor Pro Tem La Monte moved and Councilmember Sibert seconded a motion to approve the Consent Calendar, with the exception of Item No. 3.A.1. The motion carried 4-0, Councilmember Peak absent.

The Consent Calendar consisted of the following items:

B. New Items

1. Waive Further Reading

Recommended Action: After the City Attorney has read the title, waive full reading of ordinances considered on this agenda for introduction on first reading and/or second reading and adoption.

2. Approve Warrants

Recommended Action: Allow and approve warrant demand numbers 47352-47476 listed on the register from the General Fund and direct the City Manager to pay out the funds to each of the claimants listed in Warrant Register No. 573 in the amount of the warrant appearing opposite their names, for the purposes stated on the respective demands in a total amount of \$594,800.52. City of Malibu payroll check numbers 4662-4664 and ACH deposits were issued in the amount of \$184,857.97.

3. Approval of Minutes
Recommended Action: Approve the minutes for the April 25, 2016 Regular City Council meeting and the April 27, 2016 Special City Council meeting.
4. Amendment to Agreement with Geosyntec Consultants
Recommended Action: Authorize the City Manager to execute Amendment No. 1 to the Professional Services Agreement with Geosyntec Consultants to make changes and finalize the Enhanced Watershed Management Program for the North Santa Monica Bay Coastal Watersheds.

The following item was pulled from the Consent Calendar for individual consideration:

A. Previously Discussed Items

1. Second Reading and Adoption of Ordinance No. 405

Recommended Action: Conduct second reading, unless waived, and adopt Ordinance No. 405 approving Local Coastal Program Amendment No. 09-006 amending the Local Implementation Plan to establish a Trail Dedication Incentive Program and the Parkland and Trails Dedication Incentive Program Map; and repealing Ordinance No. 358.

Brian Folk provided his suggestion to implement the intent for trail realignment.

Planning Director Blue stated the amendment process should proceed rather than making the suggested modifications to the Escondido Trail as proposed by Mr. Folk.

MOTION

Councilmember House moved and Mayor Pro Tem La Monte seconded a motion to conduct second reading, unless waived, and adopt Ordinance No. 405 approving Local Coastal Program Amendment No. 09-006 amending the Local Implementation Plan to establish a Trail Dedication Incentive Program and the Parkland and Trails Dedication Incentive Program Map; and repealing Ordinance No. 358. The motion carried 4-0, Councilmember Peak absent.

ITEM 7 COUNCIL ITEMS

A. 2016-2017 Harry Barovsky Memorial Youth Commission Appointments

Recommended Action: Appoint members to the 2016-2017 Harry Barovsky Memorial Youth Commission.

Recreation Supervisor Riesgo presented the staff report.

Rachel DeAngelis discussed her achievements and community involvement and requested the Council appoint her to the Youth Commission.

Lauren Maischoss discussed her experience in Malibu activities and requested the Council appoint her to the Youth Commission.

William Kish discussed his experience on the Youth Commission and requested reappointment.

Russell Kish was not present at the time of the hearing.

Abby Droeger discussed her involvement in the Youth Commission and requested reappointment.

Katherine Hall discussed her involvement in the Youth Commission and requested the Council appoint her for another term.

Quinn Graham discussed his involvement on the Youth Commission and requested reappointment.

Crystal Graham discussed her involvement on the Youth Commission and requested reappointment.

Jenny Orian discussed her involvement in the community and on the Youth Commission and requested reappointment.

Grace Kinyon discussed her skills and requested the Council appoint her to the Youth Commission.

Collette Aldrich addressed the Council requesting appointment to the Youth Commission.

MOTION

Councilmember House moved and Mayor Pro Tem La Monte seconded a motion to: 1) Appoint the following 32 applicants to the 2016-17 Harry Barovsky Memorial Youth Commission; and 2) task the Youth Commission to, within the first two months of the new term, evaluate the selection process for future Commission appointments, including length of term, number of appointments per grade (7-12) and monthly volunteer requirements:

Abby Droeger, Katherine Hall, Grace Kinyon, William Kish, Jade Soufer, Zita Surprenant, Brayden Ekman, Crystal Graham, Ryan Janou, Jennifer Orian, Maximilian Roth, Collette Aldrich, Harry Culhane, Lauren Maischoss, Sorin Moore, Tripp Principe, Travis Springer, Dunya Taylan, Rachel DeAngelis, Miela Efraim, Quinn Graham, Russell Kish, Cheyenne Obrien, Morgan Perlmutter,

David Sagona, Lola Stanley, Jaden Fisher, Luca Moore, Andrew Springer, Alexandra Surprenant, Alana Witting, and Maximus Obrien.

Councilmember Sibert indicated support for the program.
Mayor Pro Tem La Monte indicated support for the motion.

Mayor Rosenthal stated she supported the motion and commended the applicants.

Parks and Recreation Director Stallings thanked Recreation Supervisor Riesgo for managing the Commission.

The motion carried 4-0, Councilmember Peak absent.

ITEM 4 ORDINANCES AND PUBLIC HEARINGS

- A. Local Coastal Program Amendment No. 14-001 – An amendment to Prohibit the Use of Anticoagulant Rodenticides Citywide
Recommended Action: Continue the item to a date uncertain.

This item was continued upon approval of the agenda.

ITEM 5 OLD BUSINESS

None.

ITEM 6 NEW BUSINESS

- A. *The Park at Cross Creek, LLC and the Malibu Bay Company v. City of Malibu, LACSC Case No. BS155299, Litigation Decisions; and Measure R Follow-up - Update on Ordinance to Regulate Chain Stores (Continued from May 9, 2016)*
Recommended Action: 1) Receive status reports on Measure R litigation and contingency zoning ordinance amendment to regulate chain stores; and 2) decide whether to file an appeal.

Assistant City Attorney Rusin presented the staff report.

RECESS Mayor Rosenthal called a recess at 7:51 p.m. The meeting reconvened at 7:58 p.m. with all Councilmembers present, including Councilmember Peak who arrived at 7:58 p.m.

Ted Vaill, Malibu Democratic Club, discussed the potential amicus brief if Malibu was part of the appeal. He urged the Council to join in the litigation.

John Mazza stated the cost of appeal was minimal and the City should join the litigation.

Lance Simmens discussed the Malibu Vision and Mission Statements and urged the Council to support the will of the voters.

Howard Ferguson stated the Council was mandated by the majority of the population and the appeal must be made.

Michael Osterman deferred his time to Jefferson Wagner.

Jefferson Wagner thanked the Council for its service. He stated it was “silly season” with the upcoming election. He urged the Council to file an appeal.

Paul Grisanti discussed the reason Measure R was found unconstitutional. He suggested spending money on writing a new ordinance.

Lloyd Ahern stated 60% of the voters would not have voted for the measure if they knew it was illegal. He urged the Council to continue to do the right thing and get out of the litigation.

Ryan Embree urged the Council to file the appeal.

Lynn Norton trusted the Council would represent the citizens of Malibu and file the appeal.

In response to Councilmember Sibert, Assistant City Attorney Rusin stated the City could abandon the appeal after filed. Councilmember Sibert stated the Council had committed to defend the law enacted by a vote of the people. He suggested implementation of a Civic Center Specific Plan. He indicated support for filing the appeal.

Mayor Rosenthal asked the risks of filing the appeal. Assistant City Attorney Rusin stated the risks involved the estimated cost of \$75,000, additional litigation, more restrictive Court of Appeals decision, and attorney’s fees. He explained filing of amicus briefs.

Councilmember House discussed her caution in litigation. She discussed the judgement that Measure R was illegal and unconstitutional. She estimated the cost of joining the appeal to be at least \$175,000. She indicated support for a specific plan and chain store ordinance. She stated she could not support the appeal.

Mayor Pro Tem La Monte stated he did not see the gain in the City joining the appeal because it was already being appealed. Assistant City Attorney Rusin stated the City would file its own brief, including arguments regarding the savings clause.

Councilmember Peak stated the community made a decision about development in Malibu. He stated the City had committed to support the law and had the duty to defend the law.

MOTION Councilmember Peak moved and Councilmember Sibert seconded a motion to direct the City Attorney to file an appeal of *The Park at Cross Creek, LLC and the Malibu Bay Company v. City of Malibu*, LACSC Case No. BS155299.

Mayor Rosenthal asked if the City could start work on a Civic Center Specific Plan while the appeal proceeded. City Manager Feldman stated the funding had not yet been allocated and \$450,000 would need to be appropriated.

Councilmember Peak stated he spoke with Michelle Reiner prior to the May 9 meeting and she requested the City file an appeal.

Mayor Rosenthal stated the entire Council cared about the City. She stated Measure R passed by a majority of the voters. She stated the Court did not want delays and allowed Measure R to stay as law. She stated she would support an appeal to hear the Court of Appeals decision, while proceeding with a specific plan. She requested feedback from the Council on capping the amount spent on the litigation.

Mayor Pro Tem La Monte indicated support for capping the amount spent on litigation. He stated the appeal was happening regardless and he did not see the advantage.

Councilmember Sibert stated the specific plan needed participation from opponents, proponents, property owners and residents.

Councilmember House asked if the interveners could drop out of the appeal. Assistant City Attorney Rusin stated the interveners could drop out.

Councilmember Peak asked if there was a better case if the City was also defending the case. Assistant City Attorney Rusin stated the only argument available to the City was its interpretation of Measure R and the savings clause.

Councilmember Peak proposed City Attorney Hogin report back to Council on any increased cost of the appeal.

FRIENDLY AMENDMENT

Mayor Rosenthal moved to require Council consideration of costs exceeding \$75,000. Councilmember Peak and Councilmember Sibert accepted the amendment.

Mayor Rosenthal discussed issues with amending laws approved by citizen initiative.

The question was called and the amended motion carried 4-1, Councilmember House dissenting.

B. Acquisition of APNs 4458-028-006 and 4458-028-020 (24000 Civic Center Way) known as the Winter Canyon property for Civic Center Wastewater Treatment Facility

Recommended Action: 1) Approve the purchase agreement with the Malibu Bay Company for the acquisition of APNs 4458-028-006 and 4458-028-020 (24000 Civic Center Way); and 2) Authorize the City Manager to execute all documents associated with the purchase agreement.

City Manager Feldman presented the staff report.

Ryan Embree questioned the appraisal on the property.

Norm Haynie discussed fair market value and best use and value to the City. He indicated support for the purchase.

City Manager Feldman stated the City and property owner had conducted appraisals and appraisal reviews. She stated science determined the site as the best location for the project.

MOTION

Councilmember House moved and Mayor Pro Tem La Monte seconded a motion to: 1) approve the purchase agreement with the Malibu Bay Company for the acquisition of APNs 4458-028-006 and 4458-028-020 (24000 Civic Center Way); and 2) authorize the City Manager to execute all documents associated with the purchase agreement. The motion carried unanimously.

C. Civic Center Wastewater Treatment Facility (CCWWTF) Construction Contracts and Agreements

Recommended Action: 1) Reject the bid protest and approve the award and authorize the City Manager to execute a construction contract with Myers & Sons Construction, LP, in the amount of \$21,712,904.30 for construction of the CCWWTF – Phase 1, Treatment Plant Project, Specification No. 2036; 2) Reject the bid protest and approve the award and authorize the City Manager to execute a construction contract with Vido Artukovich & Son, Inc./Vidmar, Inc., JV, in the amount of \$20,451,881 for construction of the CCWWTF – Phase 1, Pipelines and Pump Stations Project, Specification No. 2036A; 3) Approve the award and authorize the City Manager to execute a construction contract with Cascade Drilling, LP, in the amount of \$2,128,341 for construction of the CCWWTF–Phase 1, Injection Wells Project, Specification No. 2036B; 4) Authorize the City Manager to execute Amendment No. 10 to the Professional Services Agreement with RMC Water and Environment in the amount of \$1,150,000 for professional

engineering design services during the construction phase of the CCWWTF – Phase 1 Project; 5) Authorize the City Manager to execute a Professional Services Agreement with Mimiaga Engineering Group in an amount not to exceed \$1,929,340 for construction management services for construction of the CCWWTF – Phase 1 Project; and 6) Amend the Adopted Budget for Fiscal Year 2015-2016 in the amount of \$47,372,466.30 to Account No. 310-9049 (CCWWTF).

Acting Public Works Director DuBoux presented the staff report.

In response to Mayor Rosenthal, Acting Public Works Director DuBoux clarified that the figure on page 7 of the agenda report should have been 1.22.

In response to Mayor Rosenthal and Councilmember Sibert, Acting Public Works Director DuBoux stated the use of a City fax machine by contractors was not strictly disallowed by the City. He stated he was unaware of what advantage was gained by use of the City fax machine.

In response to Councilmember Peak, Acting Public Works Director DuBoux discussed contractor experience in wastewater projects of the same scale and stated that staff felt the selected contractors were qualified.

Micaiah Revero deferred his time to Matt Weber.

Justin Blickle deferred his time to Matt Weber.

Kevin Carter deferred his time to Matt Weber.

Matt Weber discussed the contractor's experience with utilizing fax machines. He discussed the experience and financial status of Myers and Sons. He stated there was no basis to reject the bid.

Kevin Shenkman, Malibu resident representing Kana Engineering, discussed the bid protest. He suggested design changes to reduce cost and environmental impact. He advocated rejecting all bids and redesigning the project.

Ryan Embree expressed concern with the contracting process and amendments to RMC's agreement. He discussed the need for adequate bonding.

Norm Haynie discussed his experience in bidding projects and the competitive process. He discussed the importance of details on the plans and adequate oversight by staff. He indicated support for the staff recommendation.

City Manager Feldman discussed the State Water Resources Control Board deadline and suggestion that the project be redesigned. She expressed confidence

that the contractors would find cost savings during construction.

Mayor Pro Tem La Monte commended staff.

MOTION Mayor Pro Tem La Monte moved and Councilmember Sibert seconded a motion to: 1) Reject the bid protest and approve the award and authorize the City Manager to execute a construction contract with Myers & Sons Construction, LP, in the amount of \$21,712,904.30 for construction of the CCWWTF – Phase 1, Treatment Plant Project, Specification No. 2036; 2) Reject the bid protest and approve the award and authorize the City Manager to execute a construction contract with Vido Artukovich & Son, Inc./Vidmar, Inc., JV, in the amount of \$20,451,881 for construction of the CCWWTF – Phase 1, Pipelines and Pump Stations Project, Specification No. 2036A; 3) Approve the award and authorize the City Manager to execute a construction contract with Cascade Drilling, LP. in the amount of \$2,128,341 for construction of the CCWWTF– Phase 1, Injection Wells Project, Specification No. 2036B; 4) Authorize the City Manager to execute Amendment No. 10 to the Professional Services Agreement with RMC Water and Environment in the amount of \$1,150,000 for professional engineering design services during the construction phase of the CCWWTF – Phase 1 Project; 5) Authorize the City Manager to execute a Professional Services Agreement with Mimiaga Engineering Group in an amount not to exceed \$1,929,340 for construction management services for construction of the CCWWTF – Phase 1 Project; and 6) Amend the Adopted Budget for Fiscal Year 2015-2016 in the amount of \$47,372,466.30 to Account No. 310-9049 (CCWWTF).

In response to Councilmember Peak, Justin Blickle, Waterworks Manager for Myers and Sons, discussed water infrastructure projects in the City of Los Angeles, Metropolitan Water District and Northern California.

Mayor Rosenthal thanked staff for its work on the project and funding sources.

The question was called and the motion carried unanimously.

ITEM 7 COUNCIL ITEMS (Continued)

B. Support for Ballot Measure to Generate New Revenue for Transportation in Los Angeles County (Mayor Rosenthal)

Recommended Action: At the request of Mayor Rosenthal, adopt Resolution No. 16-21 recommending that the Los Angeles County Metropolitan Transportation Authority Board of Directors vote to place a measure before the voters in Los Angeles County on the November 8, 2016 ballot to generate new revenue for transportation in Los Angeles County.

Mayor Rosenthal presented the staff report.

Ryan Embree stated there were no projects in Malibu or areas impacting Malibu. He requested the Council opine on all measures before the voters.

Councilmember Sibert discussed benefits to the Las Virgenes-Malibu Council of Governments and Malibu from Los Angeles County Measure R.

In response to Councilmember Peak, City Manager Feldman stated the City of Malibu would contribute approximately \$300,000. She stated the City could pass additional sales tax.

Mayor Pro Tem La Monte stated the matter was urgent for all cities in Los Angeles County.

MOTION Councilmember Peak moved and Mayor Pro Tem La Monte seconded a motion to adopt Resolution No. 16-21 recommending that the Los Angeles County Metropolitan Transportation Authority Board of Directors vote to place a measure before the voters in Los Angeles County on the November 8, 2016 ballot to generate new revenue for transportation in Los Angeles County. The motion carried unanimously.

ADJOURNMENT

MOTION At 9:53 p.m. Councilmember Sibert moved and Councilmember Peak seconded a motion to adjourn the meeting in memory of Mary "Mac" Gonzalez and Craig Mattox. The motion carried unanimously.

Approved and adopted by the City Council of the
City of Malibu on _____, 2016.

LAURA ROSENTHAL, Mayor

ATTEST:

LISA POPE, City Clerk
(seal)



Council Agenda Report

To: Mayor Rosenthal and Honorable Members of the City Council

Prepared by: Stephanie Hawner, Associate Planner SA

Reviewed by: Bonnie Blue, Planning Director BB

Approved by: Reva Feldman, City Manager RF

Date prepared: June 15, 2016 Meeting date: June 27, 2016

Subject: Expiration and Extension of Coastal Development Permits and Criteria for Grading Permit Issuance

RECOMMENDED ACTION: 1) Adopt Resolution No. 16-31 initiating amendments to the Local Coastal Program (LCP) and Title 17 of the Malibu Municipal Code (MMC) amending provisions concerning expiration and extension of coastal development permits, and criteria for grading permit issuance; and 2) Direct the Planning Commission to schedule a public hearing regarding the MMC and LCP amendments.

FISCAL IMPACT: None.

DISCUSSION: Staff is proposing to evaluate and amend the LCP Local Implementation Plan (LIP) and MMC be amended for the purpose of: 1) expiration of coastal development permits; and 2) the requirement that a building permit must be approved prior to issuance of grading permits. The sections proposed to be amended and a discussion of each is provided for below.

CDP Expiration and Extension

LIP Section 13.21 (Expiration of Coastal Development Permit)

Unless the permit states otherwise, a coastal development permit shall expire two years from its date of approval if the development has not commenced during that time. The approving authority may grant a reasonable extension of time for due cause. Extensions shall be requested in writing by the applicant or authorized agent prior to expiration of the two-year period.

Staff has identified several issues with the current CDP expiration language as it relates to extensions, and commencement of development.

Expiration and Extensions

During the Great Recession, there was an extraordinary financial crisis that affected the ability for many applicants to complete projects. At that time, LIP Section 13.21 served as a basis for granting CDP extensions, and many CDP extensions were granted. Many of those CDPs still remain open, construction has not commenced, and extension requests are continuously being made on a yearly basis. Some projects are on their 8th or 9th extension, yet financial conditions have improved. The code does not define what constitutes “due cause” for granting an extension.

Ongoing extension of CDPs raises several issues. Extended projects do not incorporate subsequent changes in the code nor current City Department standard conditions of approval, such as the National Pollutant Discharge Elimination System stormwater permit requirements. In addition, these projects do not reflect the evolution in how the code is applied over time.

It has become commonplace that CDPs are being obtained for the purpose of selling the property with permits without any intention to build the project, resulting in stale permits that may no longer reflect the nature of the neighborhood or the input of the people who currently live there. Neighbors may have never had the opportunity to participate in the permit process for those CDPs that may affect them and their first introduction to the project is when construction begins. Neighbors who did participate in CDP hearings have no certainty about if or when a project may be built.

Marketing of properties “with permits” creates a burden on City and staff resources, including:

- Ongoing processing of multiple extensions;
- Staff time (for which no fees are captured) explaining the entitlements to multiple prospective buyers, every time the property is listed for sale and/or changes ownership; and
- Maintaining files for multiple and sometimes substantial project revisions as new owners seek to make changes.

MMC Section 17.62.030(E), extensions of administrative plan reviews, may provide guidance for the language of this LCPA.

E. Extension. The planning manager/director may grant up to four one-year extensions of the expiration of an administrative plan review approval, if the planning manager/director finds that the conditions, including, but not limited to, changes in the zoning ordinance, under which the administrative plan review approval was issued have not significantly changed.

Commencement of Development

The LCP, as written by the California Coastal Commission (CCC), does not define what it means to “commence development.” The CCC’s practice has been to consider that development has commenced once any work has taken place pursuant to a grading or building permit. The CCC does not issue building permits or monitor construction, so it is a practical application of the language. However, the result is often a vacant site with a retaining wall and no other construction, a graded driveway to a vacant lot, and site preparation with no appreciable construction of the structures the permit was intended to facilitate. The site is disturbed and can remain in this state in perpetuity.

Without further guidance in the codes, this provision causes conflicts as to whether grading or site preparation constitutes commencement of development, and consequently could be viewed to extend the life of the permit indefinitely. Since the City issues grading and building permits, it is better equipped to define and apply more specific thresholds. Again, the language of the MMC for administrative plan review expiration (Section 17.62.030 (D)) may provide guidance for the amendment:

D. Expiration. An approved administrative plan review shall expire three years from the date of approval, unless a time extension has been granted, or work has commenced and substantial progress made (as determined by the building official) and the work is continuing under a valid building permit. If no building permit is required, the administrative plan review approval shall expire after three years from the date of final planning approval if construction is not completed. The expiration date shall be suspended until an appeal and/or litigation regarding the subject permit is resolved.

Grading Permit Issuance

LIP Section 8.3(F) (Grading Plans) states Grading plans shall be submitted for approval with building plans. No grading permits shall be issued until a building permit is approved.

The same provision appears in MMC Section 17.40.040(A) (Residential Development Standards) (*emphasis added*):

A. All single-family and multiple-family residences shall be subject to the following development standards:

9. Grading. Notwithstanding any other provisions of this code, grading (total cut and fill) is limited to one thousand (1,000) cubic yards as follows:

d. *Criteria. Grading plans shall be submitted for approval with building plans. No grading permits shall be issued until a building permit is approved. Contour grading shall be used to reflect original landform and result in minimum disturbance to*

natural terrain. Notching into hillsides is encouraged so that projects are built into natural terrain as much as possible.

The same requirements appear in the commercial and institutional development standards of the MMC Sections 17.40.080 and 17.40.110, respectively. The current provision that no grading permit shall be issued until a building permit is approved does not take into consideration the reality of the permitting process. In many circumstances, grading should commence while building plans are in plan check, and grading should not be delayed until the building plans are approved. For example, Los Angeles County Fire Department (LACFD) approval is required in order to obtain building permit approval. If an improved access road is required for LACFD approval, then the grading permit must be issued so that the access road can be constructed to satisfy LACFD prior to building permit approval. This provision is also directly related to the proposed amendments related to commencement of development and expiration of CDPs.

Staff is prepared to draft LCP amendments to address these issues, and provide clarity and definitions, such as:

- What criteria should be applied to establish due cause for an extension, and how many CDP extensions should be allowed;
- How long should a CDP remain valid after approval;
- What constitutes commencement of development, e.g. demolition, grading, foundation work or framing;
- At what point, and how, can staff determine that there has been appreciable construction, so that the CDP does not expire and the life of the permit is extended indefinitely; and
- What should be the criteria for issuance of grading permits.

SUMMARY: Staff is requesting that Council direct staff to research the issues related to the current provisions regarding CDP expiration, commencement of development, extensions and pre-conditions to grading, and prepare draft amendments for consideration, and staff will publish a Notice of Availability pursuant to LCP Local Implementation Plan Section 19.3. The amendments will be presented to the Zoning Ordinance Revision and Code Enforcement Subcommittee (ZORACES) and in a public hearing before the Planning Commission. Based on the Planning Commission's recommendation, the amendments will then be presented to the City Council, followed by a submittal to the California Coastal Commission for processing.

ATTACHMENT: Resolution No. 16-31

RESOLUTION NO. 16-31

A RESOLUTION OF THE CITY COUNCIL INITIATING AMENDMENTS TO THE LOCAL COASTAL PROGRAM AND TITLE 17 OF THE MALIBU MUNICIPAL CODE AMENDING THE PROVISIONS CONCERNING EXPIRATION AND EXTENSION OF COASTAL DEVELOPMENT PERMITS, AND CRITERIA FOR GRADING PERMIT ISSUANCE

The City Council of the City of Malibu does hereby ordain as follows:

SECTION 1. Initiation.

A. Pursuant to Local Coastal Program (LCP) Local Implementation Plan (LIP) Chapter 19 and Malibu Municipal Code (MMC) Chapter 17.74, the City Council hereby initiates an amendment to the LCP and MMC and directs staff to issue a Notice of Availability consistent with LIP Section 19.3.1 to amend the provisions concerning expiration of coastal development permits.

SECTION 2. Planning Commission Hearing.

The Planning Commission is hereby directed to conduct a duly noticed public hearing in accordance with the provisions of LIP Chapter 19 no earlier than six weeks from the date of mailing of the Notice of Availability. Following the public hearing, the Planning Commission shall recommend to the City Council whether it should approve, modify, or reject the amendment. The Planning Commission's recommendation shall be made by resolution carried by the affirmative vote of not less than the majority of the entire Planning Commission.

SECTION 3. The City Clerk shall certify to the passage and adoption of this resolution and enter it into the book of original ordinances.

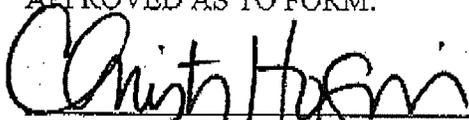
PASSED, APPROVED AND ADOPTED this 27th day of June 2016.

LAURA ROSENTHAL, Mayor

ATTEST:

LISA POPE, City Clerk
(seal)

APPROVED AS TO FORM:



CHRISTI HOGIN, City Attorney



Council Agenda Report

To: Mayor Rosenthal and the Honorable Members of the City Council

Prepared by: Robert DuBoux, Assistant Public Works Director/City Engineer **P**

Reviewed by: Robert L. Brager, Public Works Director/City Engineer **RLB**

Approved by: Reva Feldman, City Manager **RF**

Date prepared: June 8, 2016 Meeting date: June 27, 2016

Subject: Paradise Cove Stormwater Filter Media Replacement Project Contract

RECOMMENDED ACTION: 1) Approve the award and authorize the City Manager to execute a construction contract with Oak Tree Construction in the amount of \$60,065 for the construction of the Paradise Cove Stormwater Filter Media Replacement Project, Specification No. 2062; and 2) Authorize the Public Works Director to approve any potential change orders up to 24% of the contract amount.

FISCAL IMPACT: Funding for this project was included in the Adopted Budget for Fiscal Year 2015-2016 in Account No. 310-9069 (Paradise Cove Media Filters).

Funding		Estimated Costs	
General Fund	\$75,000	Construction Contract	\$60,065
		Change Orders (24%)	\$14,935
Total Funding	\$75,000	Total Estimated Costs	\$75,000

DISCUSSION: In June, 2010, the City of Malibu completed the construction of the Paradise Cove Stormwater Treatment Facility (SWTF), which can capture and treat more than 1 million gallons of stormwater and urban runoff per day. The Paradise Cove SWTF utilizes trash screening, sediment capture, multi-media filtration and ultraviolet light technology to reduce sediment particles and bacteria from the 3,350-acre Ramirez Canyon Watershed runoff that currently discharges at the Paradise Cove Beach. As a result, this SWTF improves the quality of coastal waters, preserves the integrity of the marine environment and protects the health and safety of visitors and residents. The

Paradise Cove Stormwater Treatment Facility has been in operation for approximately 6 years.

One of the critical filtration components of the Paradise Cove SWTF is the multi-media filter. Two (2) 120" diameter steel tanks contain a combination of loose material, such as coarse gravel, fine gravel, silica sand, anthracite and garnet media layers. Stormwater is filtered through these tanks and multi-media to remove the suspended particulates. The multi-media has a typical life expectancy of 3-5 years. Since the SWTF has been operating for approximately six (6) years, the multi-media needs to be replaced to maintain optimum filtration performance.

On April 28, 2016, the final project plans and specifications for the above mentioned work was advertised for formal competitive bidding. Four (4) bids were received and opened on May 26, 2016, with the following results:

<u>Contractor</u>	<u>Bid Amount</u>
Oak Tree Construction, Inc.	\$60,065.00
United Storm Water, Inc.	\$62,527.00
Carbon Activated Corporation	\$70,393.00
Prominent Systems, Inc.	\$71,207.98

City staff has reviewed the bid from Oak Tree Construction and has found it to be in order and in conformance with the bid requirements. Staff has also verified the Contractor's license and contacted their references. Staff recommends that Oak Tree Construction be awarded the construction contract. Oak Tree Construction was the original contractor that constructed the Paradise Cove SWTF and therefore is familiar with its operation and construction.

STAFF FOLLOW UP: Upon approval by the City Council of the award of the construction contract, staff will proceed with processing of the construction agreement and issuing a Notice to Proceed.

ATTACHMENTS: Public Works Agreement with Oak Tree Construction

**CITY OF MALIBU
PUBLIC WORKS AGREEMENT**

This Public Works Agreement (“Agreement”) is made and entered into as of the date executed by the City Manager and attested to by the City Clerk, by and between Oak Tree Construction (hereinafter referred to as “CONTRACTOR”) and the City of Malibu, California, a municipal corporation (hereinafter referred to as “CITY”).

RECITALS

A. Pursuant to the Notice Inviting Sealed Bids for Paradise Cove Stormwater Facility Filter Media Replacement Project bids were received, publicly opened, and declared on the date specified in the notice.

B. On June 27, 2016, Malibu’s City Council declared CONTRACTOR to be the lowest responsible bidder and accepted the bid of CONTRACTOR.

C. The City Council has authorized the City Manager to execute a written contract with CONTRACTOR for furnishing labor, equipment and material for the Paradise Cove Stormwater Facility Filter Media Replacement Project in the City of Malibu.

NOW, THEREFORE, in consideration of the foregoing and the mutual covenants herein contained, it is agreed:

1. GENERAL SCOPE OF WORK: CITY agrees to engage CONTRACTOR and CONTRACTOR agrees to furnish all necessary labor, tools, materials, appliances, and equipment for and do the work for the Paradise Cove Stormwater Facility Filter Media Replacement Project in the City of Malibu. The work shall be performed in accordance with the Plans and Specifications dated (and as generally described in the “Notice Inviting Bids,” attached as Exhibit A) and in accordance with bid prices set forth in CONTRACTOR’S Bid Proposal (attached as Exhibit B) and in accordance with the instructions of the City Engineer, or City’s Manager’s designee.

2. INCORPORATED DOCUMENTS TO BE CONSIDERED COMPLEMENTARY: The contract documents for the aforesaid project, a complete set of which is on file with the Malibu City Clerk’s Office, shall consist of the Notice Inviting Bids, Instructions to Bidders, Bid Proposal, Standard Specifications, Special Provisions, and all referenced specifications, details, standard drawings, and appendices; together with this Agreement and all required bonds, insurance certificates, permits, notices and affidavits; and also, including any and all addenda or supplemental agreements clarifying, amending, or extending the work contemplated as may be required to insure its completion in an acceptable manner. All of the provisions of said contract documents are made a part hereof as though fully set forth herein. This contract is intended to require a complete and finished piece of work and anything necessary to complete the work properly and in accordance with the law and lawful governmental regulations shall be performed by CONTRACTOR whether set out specifically in the contract or not. Should it be ascertained that any inconsistency exists between the aforesaid documents and this written agreement, the provisions of this Agreement, and the Standard Specifications, in that order, shall control. Collectively, these contract documents constitute the complete agreement between CITY and CONTRACTOR and supersede any previous agreements or understandings.

3. COMPENSATION: CONTRACTOR agrees to receive and accept the prices set forth in its Bid Proposal as full compensation for furnishing all materials, performing all work, and fulfilling all obligations hereunder. Said compensation shall cover all expenses, losses, damages, and consequences arising out of the nature of the work during its progress or prior to its acceptance including those for well and faithfully completing the work and the whole thereof in the manner and time specified in the aforesaid contract documents; and also including those arising from actions of the elements, unforeseen difficulties or obstructions encountered in the prosecution of the work, suspension or discontinuance of the work, and all other unknowns or risks of any description connected with the work.
4. TIME OF PERFORMANCE: CONTRACTOR agrees to complete the work within 30 consecutive working days from the date of the notice to proceed. By signing this Agreement, CONTRACTOR represents to CITY that the contract time is reasonable for completion of the work and that CONTRACTOR will complete such work within the contract time. In accordance with Government Code Section 53069.85, CONTRACTOR agrees to forfeit and pay CITY as liquidated damages, not as a penalty, the sum of \$1000 per day for each and every day of unauthorized delay beyond the completion date, which amount shall be deducted from any payments due or to become due the CONTRACTOR.
5. PREVAILING WAGES:
 - A. Pursuant to Labor Code Section 1720, and as specified in Title 8, California Code of Regulations, Section 16000 et seq., CONTRACTOR must pay its workers prevailing wages. It is CONTRACTOR's responsibility to interpret and implement any prevailing wage requirements and CONTRACTOR agrees to pay any penalty or civil damages resulting from a violation of the prevailing wage laws.
 - B. In accordance with Labor Code Section 1773.2, copies of the prevailing rate of per diem wages are available upon request from CITY's Engineering Division or the website for State of California Prevailing wage determination at <http://www.dir.ca.gov/DLSR/PWD>. CONTRACTOR must post a copy of the prevailing rate of per diem wages at the job site.
 - C. CITY directs CONTRACTOR's attention to Labor Code Sections 1777.5, 1777.6 and 3098 concerning the employment of apprentices by CONTRACTOR or any subcontractor.
 - D. Labor Code Section 1777.5 requires CONTRACTOR or subcontractor employing tradesmen in any apprenticeship occupation to apply to the joint apprenticeship committee nearest the site of the public works project and which administers the apprenticeship program in that trade for a certificate of approval. The certificate must also fix the ratio of apprentices to journeymen that will be used in the performance of the contract. The ratio of apprentices to journeymen in such cases will not be less than one to five except:

- (1) When employment in the area of coverage by the joint apprenticeship committee has exceeded an average of 15 percent in the 90 days before the request for certificate, or
 - (2) When the number of apprentices in training in the area exceeds a ratio of one to five, or
 - (3) When the trade can show that it is replacing at least 1/30 of its membership through apprenticeship training on an annual basis state-wide or locally, or
 - (4) When CONTRACTOR provides evidence that CONTRACTOR employs registered apprentices on all of his contracts on an annual average of not less than one apprentice to eight journeymen.
 - (5) CONTRACTOR is required to make contributions to funds established for the administration of apprenticeship programs if CONTRACTOR employs registered apprentices or journeymen in any apprenticeable trade on such contracts and if other contractors on the public works site are making such contributions.
 - (6) CONTRACTOR and any subcontractor must comply with Labor Code Sections 1777.5 and 1777.6 in the employment of apprentices.
 - (7) Information relative to apprenticeship standards, wage schedules and other requirements may be obtained from the Director of Industrial Relations (DIR), ex-officio the Administrator of Apprenticeship, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices.
- E. CONTRACTOR and its subcontractors must keep an accurate certified payroll records showing the name, occupation, and the actual per diem wages paid to each worker employed in connection with this Agreement. The record will be kept open at all reasonable hours to the inspection of the body awarding the contract and to the Division of Labor Law Enforcement. If requested by CITY, CONTRACTOR must provide copies of the records at its cost.
- F. CONTRACTOR and its subcontractors must comply with Labor Code Sections 1725.5 and 1777.1, including the requirement that registration with the DIR be maintained through the term of the Project. The City may, from time to time, request evidence of current registration.
6. LEGAL HOURS OF WORK: Eight (8) hours of labor shall constitute a legal day's work for all workmen employed in the execution of this contract, and CONTRACTOR and any subcontractor under it shall comply with and be governed by the laws of the State of

California having to do with working hours set forth in Division 2, Part 7, Chapter 1, Article 3 of the Labor Code of the State of California as amended.

CONTRACTOR shall forfeit, as a penalty to CITY, twenty-five dollars (\$25.00) for each laborer, workman or mechanic employed in the execution of the contract, by him or any subcontractor under it, upon any of the work hereinbefore mentioned, for each calendar day during which the laborer, worker or mechanic is required or permitted to labor more than eight (8) hours in violation of the Labor Code.

7. TRAVEL AND SUBSISTENCE PAY: CONTRACTOR agrees to pay travel and subsistence pay to each worker needed to execute the work required by this Agreement as such travel and subsistence payments are defined in the applicable collective bargaining agreements filed in accordance with Labor Code Section 1773.8.
8. CONTRACTOR'S LIABILITY: The City of Malibu and its officers, agents and employees ("Indemnitees") shall not be answerable or accountable in any manner for any loss or damage that may happen to the work or any part thereof, or for any of the materials or other things used or employed in performing the work; or for injury or damage to any person or persons, either workers or employees of CONTRACTOR, of its subcontractors or the public, or for damage to adjoining or other property from any cause whatsoever arising out of or in connection with the performance of the work. CONTRACTOR shall be responsible for any damage or injury to any person or property resulting from defects or obstructions or from any cause whatsoever.

CONTRACTOR will indemnify Indemnitees against and will hold and save Indemnitees harmless from any and all actions, claims, damages to persons or property, penalties, obligations or liabilities that may be asserted or claimed by any person, firm, entity, corporation, political subdivision, or other organization arising out of or in connection with the work, operation, or activities of CONTRACTOR, its agents, employees, subcontractors or invitees provided for herein, whether or not there is concurrent passive negligence on the part of CITY. In connection therewith:

- a. CONTRACTOR will defend any action or actions filed in connection with any such claims, damages, penalties, obligations or liabilities and will pay all costs and expenses, including attorneys' fees, expert fees and costs incurred in connection therewith.
- b. CONTRACTOR will promptly pay any judgment rendered against CONTRACTOR or Indemnitees covering such claims, damages, penalties, obligations and liabilities arising out of or in connection with such work, operations or activities of CONTRACTOR hereunder, and CONTRACTOR agrees to save and hold the Indemnitees harmless therefrom.
- c. In the event Indemnitees are made a party to any action or proceeding filed or prosecuted against CONTRACTOR for damages or other claims arising out of or in connection with the work, operation or activities hereunder, CONTRACTOR agrees to pay to Indemnitees and any all costs and expenses

incurred by Indemnitees in such action or proceeding together with reasonable attorneys' fees.

CONTRACTOR'S obligations under this section apply regardless of whether or not such claim, charge, damage, demand, action, proceeding, loss, stop notice, cost, expense, judgment, civil fine or penalty, or liability was caused in part or contributed to by an Indemnitee. However, without affecting the rights of CITY under any provision of this agreement, Contractor shall not be required to indemnify and hold harmless CITY for liability attributable to the active negligence of CITY, provided such active negligence is determined by agreement between the parties or by the findings of a court of competent jurisdiction. In instances where CITY is shown to have been actively negligent and where CITY active negligence accounts for only a percentage of the liability involved, the obligation of Contractor will be for that entire portion or percentage of liability not attributable to the active negligence of City.

So much of the money due to CONTRACTOR under and by virtue of the contract as shall be considered necessary by CITY may be retained by CITY until disposition has been made of such actions or claims for damages as aforesaid.

It is expressly understood and agreed that the foregoing provisions are intended to be as broad and inclusive as is permitted by the law of the State of California. This indemnity provision shall survive the termination of the Agreement and is in addition to any other rights or remedies which Indemnitees may have under the law.

This indemnity is effective without reference to the existence or applicability of any insurance coverage which may have been required under this Agreement or any additional insured endorsements which may extend to Indemnitees.

CONTRACTOR, on behalf of itself and all parties claiming under or through it, hereby waives all rights of subrogation and contribution against the Indemnitees, while acting within the scope of their duties, from all claims, losses and liabilities arising out of or incident to activities or operations performed by or on behalf of the CONTRACTOR regardless of any prior, concurrent, or subsequent passive negligence by the Indemnitees.

9. THIRD PARTY CLAIMS. In accordance with Public Contracts Code Section 9201, CITY will promptly inform CONTRACTOR regarding third-party claims against CONTRACTOR, but in no event later than ten (10) business days after CITY receives such claims. Such notification will be in writing and forwarded in accordance with the "Notice" section of this Agreement. As more specifically detailed in the contract documents, CONTRACTOR agrees to indemnify and defend the City against any third-party claim.
10. WORKERS COMPENSATION: In accordance with California Labor Code Sections 1860 and 3700, CONTRACTOR and each of its subcontractors will be required to secure the payment of compensation to its employees. In accordance with the provisions of California Labor Code Section 1861, CONTRACTOR, by signing this contract, certifies as follows: "I am aware of the provisions of Section 3700 of the Labor Code which

require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.”

11. INSURANCE: With respect to performance of work under this contract, CONTRACTOR shall maintain and shall require all of its subcontractors to maintain insurance as required in the Standard Specifications.
12. ASSIGNMENT: This contract is not assignable nor the performance of either party's duties delegable without the prior written consent of the other party. Any attempted or purported assignment or delegation of any of the rights of obligations of either party without the prior written consent of the other shall be void and of no force and effect.
14. INDEPENDENT CONTRACTOR: CONTRACTOR is and shall at all times remain as to the CITY, a wholly independent contractor. Neither the CITY nor any of its agents shall have control of the conduct of CONTRACTOR or any of CONTRACTOR'S employees, except as herein set forth. CONTRACTOR shall not at any time or in any manner represent that it or any of its agents or employees are in any manner agents or employees of CITY.
15. TAXES: CONTRACTOR is responsible for paying all retail sales and use, transportation, export, import, special or other taxes and duties applicable to, and assessable against any work, materials, equipment, services, processes and operations incidental to or involved in this contract. CONTRACTOR is responsible for ascertaining and arranging to pay them. The prices established in the contract shall include compensation for any taxes CONTRACTOR is required to pay by laws and regulations in effect at the bid opening date.
16. LICENSES: CONTRACTOR represents and warrants to CITY that it has all licenses, permits, qualifications, insurance, and approvals of whatsoever nature which are legally required of CONTRACTOR to practice its profession. CONTRACTOR represents and warrants to CITY that CONTRACTOR shall, at its sole cost and expense, keep in effect or obtain at all times during the term of this Agreement any licenses, permits, insurance, and approvals which are legally required of CONTRACTOR to practice its profession. CONTRACTOR shall maintain a City of Malibu business license, if required under CITY ordinance.
17. RECORDS: CONTRACTOR shall maintain accounts and records, including personnel, property, and financial records, adequate to identify and account for all costs pertaining to this Agreement and such other records as may be deemed necessary by CITY or any authorized representative, and will be retained for three years after the expiration of this Agreement. All such records shall be made available for inspection or audit by CITY at any time during regular business hours.
18. SEVERABILITY. If any portion of these contract documents are declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed

modified to the extent necessary in the opinion of the court to render such portion enforceable and, as so modified, such portion and the balance of this Agreement will continue in full force and effect provided that it does not frustrate the mutual intent of the parties herein.

19. WHOLE AGREEMENT: This Agreement supersedes any and all other agreements either oral or written, between the parties and contains all of the covenants and agreements between the parties pertaining to the work of improvements described herein. Each party to this contract acknowledges that no representations, inducements, promises or agreements, orally or otherwise, have been made by any party, or anyone acting on behalf of any party, which are not embodied herein, and that any other agreement, statements or promise not contained in this contract shall not be valid or binding. Any modifications of this contract will be effective only if signed by the party to be charged.
20. AUTHORITY: CONTRACTOR affirms that the signatures, titles, and seals set forth hereinafter in execution of this Agreement represent all individuals, firm members, partners, joint ventures, and/or corporate officers having a principal interest herein. Each party warrants that the individuals who have signed this Agreement have the legal power, right, and authority to make this Agreement and to bind each respective party. This Agreement may be modified by written amendment. CITY's City Manager may execute any such amendment on CITY's behalf.
21. NOTICES: All notices permitted or required under this Agreement shall be in writing, and shall be deemed made when delivered to the applicable party's representative as provided in this Agreement. Additionally, such notices may be given to the respective parties at the following addresses, or at such other addresses as the parties may provide in writing for this purpose.

Such notices shall be deemed made when personally delivered or when mailed forty-eight (48) hours after deposit in the U.S. mail, first-class postage prepaid, and addressed to the party at its applicable address. Courtesy copies of notices may be sent via electronic mail, provided that the original notice is deposited in the U.S. mail or personally delivered as specified in this Section.

CITY OF MALIBU
23825 Stuart Ranch Road
Malibu, CA 90265
Attn: Robert L. Brager, Public Works Director/City Engineer

CONTRACTOR
Oak Tree Construction, Inc.
5149 Catalon Ave.
Woodland Hills, CA 91364
Attn: Valerie Alon, CFO

22. DISPUTES. Disputes arising from this contract will be determined in accordance with the contract documents and Public Contracts Code Sections 10240-10240.13.
23. NON-DISCRIMINATION: No discrimination shall be made in the employment of persons in the work contemplated by this Agreement because of race, religion, color, medical condition, sex, sexual orientation, national origin, political affiliation or opinion, or pregnancy or pregnancy-related condition. A violation of this section exposes CONTRACTOR to the penalties provided for in Labor Code Section 1735.
24. NO THIRD PARTY BENEFICIARY. This Contract and every provision herein is for the exclusive benefit of the Contractor and the City and not for the benefit of any other party. There will be no incidental or other beneficiaries of any of the Contractor's or the City's obligations under this Contract.
25. TIME IS OF ESSENCE. Time is of the essence for each and every provision of the Contract Documents.
26. ACCEPTANCE OF FACSIMILE OR ELECTRONIC SIGNATURES. The Parties agree that this Contract, agreements ancillary to this Contract, and related documents to be entered into in connection with this Contract will be considered signed when the signature of a party is delivered by facsimile transmission or scanned and delivered via electronic mail. Such facsimile or electronic mail copies will be treated in all respects as having the same effect as an original signature.
27. GOVERNING LAW: This Agreement shall be governed by the laws of the State of California, and exclusive venue for any action involving this Contract will be in Los Angeles County.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement with all the formalities required by law on the respective dates set forth opposite their signatures.

This Agreement is executed on this ____ day of _____, 2016, at Malibu, California, and effective as of _____, 2016.

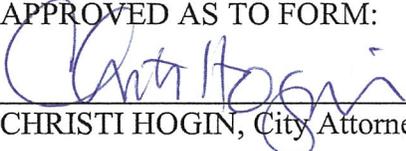
CITY OF MALIBU:

REVA FELDMAN City Manager

ATTEST:

LISA POPE, City Clerk
(seal)

APPROVED AS TO FORM:



CHRISTI HOGIN, City Attorney

CONTRACTOR: Oak Tree Construction, Inc.



Name, Title Valerie Alon, CFO

CONTRACTOR'S State of California License No.

518650

CONTRACTOR'S Business Phone No.

818-999-3935

CONTRACTOR'S Emergency Phone No. at which contractor can be reached at any time

818-324-4697

818-802-1292

BOND FOR FAITHFUL PERFORMANCE

BOND NO. 024065292

KNOW ALL PERSONS BY THESE PRESENTS:

That we, OAK TREE CONSTRUCTION, INC. hereinafter referred to as "Contractor" as principal, and THE OHIO CASUALTY INSURANCE COMPANY hereinafter referred to as "Surety," are held and firmly bound unto the City of Malibu, California, hereinafter referred to as "City", or "Obligee" in the sum of SIXTY THOUSAND SIXTY FIVE & 00/100 Dollars (\$60,065.00), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

This condition of the foregoing obligation is such that:

WHEREAS, said Contractor has been awarded and is about to enter into the annexed Contract with the City of Malibu, California, for the construction of PARADISE COVE STORMWATER FACILITY, FILTER MEDIA REPLACEMENT PROJECT, Specification No. 2062, and is required by said City to give this bond in connection with the execution of said Contract.

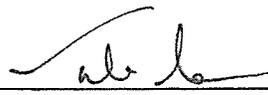
NOW, THEREFORE, if said Contractor shall well and truly do and perform all the covenants and obligations of said Contract to be done and performed at the time and in the manner specified herein, then this obligation shall be null and void one year after date of recordation of Notice of Completion by City of the completed work; otherwise it shall be and remain in full force and effect, and Surety shall cause the Contract to be fully performed or to pay to obligee the cost of performing said Contract in an amount not exceeding the said sum above specified, and shall also, in case suit is brought upon this bond, pay to obligee court costs and a reasonable attorney's fee, to be fixed by the court.

BOND FOR FAITHFUL PERFORMANCE (cont'd)

IT IS FUTHER PROVIDED, that any alterations in the work to be done or the material to be furnished shall not in any way release the Contractor or the Surety thereunder, no shall any extension of time granted under the provisions of the Contract release either the Contractor or the Surety; and notice of such alterations or extensions of the Contract is hereby waived by the Surety.

WITNESS our hands this 8TH day of JUNE, 2016.

OAK TREE CONSTRUCTION, INC.
Contractor

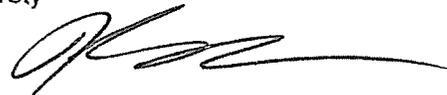

By _____

Valerie Alan, CFO
Title _____


By _____

Hayim Alan, CEO
Title _____

THE OHIO CASUALTY INSURANCE COMPANY
Surety


By _____

KEVIN E. VEGA, ATTORNEY-in-FACT

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 5750780

American Fire and Casualty Company
The Ohio Casualty Insurance Company

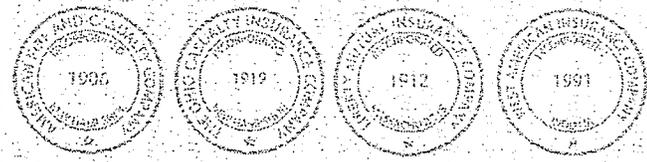
Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Philip E. Vega; Britton Christiansen; Kevin E. Vega; Jadon H. Smith; Myrna Smith

all of the city of Covina, state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 1st day of December, 2012.



American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

STATE OF WASHINGTON ss
COUNTY OF KING

On this 1st day of December, 2012, before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.



By: KD Riley
KD Riley, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

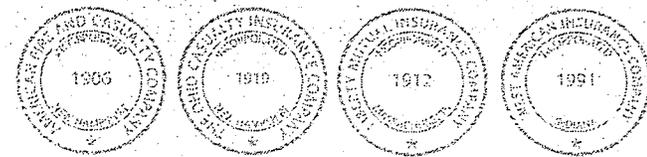
ARTICLE XIII - Execution of Contracts - SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, David M. Carey, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 8TH day of JUNE, 20 16



By: David M. Carey
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of LOS ANGELES)

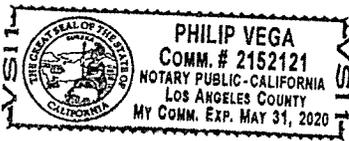
On 06/08/2016 before me, PHILIP VEGA, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

personally appeared KEVIN E. VEGA
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature _____
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

Corporate Officer — Title(s): _____

Partner — Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other: _____

Signer Is Representing: _____

Signer's Name: _____

Corporate Officer — Title(s): _____

Partner — Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other: _____

Signer Is Representing: _____

EXECUTED IN 1 ORIGINAL COUNTERPART

BOND FOR MATERIAL SUPPLIERS AND LABORERS

KNOW ALL PERSONS BY THESE PRESENTS:

That we, OAK TREE CONSTRUCTION, INC. hereinafter referred to as "Contractor" as principal, and THE OHIO CASUALTY INSURANCE COMPANY hereinafter referred to as "Surety," are held and firmly bound unto the City of Malibu, California, hereinafter referred to as "City", or "Obligee" in the sum of SIXTY THOUSAND SIXTY FIVE & 00/100 Dollars (\$60,065.00), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

The Condition of the foregoing obligation is such that:

WHEREAS, said Contractor has been awarded and is about to enter into the annexed Contract with the City, for the construction of PARADISE COVE STORMWATER FACILITY, FILTER MEDIA REPLACEMENT PROJECT, Specification No. 2062, and is required by City to give this bond in connection with the execution of said Contract.

NOW, THEREFORE, if the said principal as Contractor in said Contract or subcontractors, fails to pay for any materials, provisions, or its other supplies, or items, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Code with respect to such work or labor, said Surety will pay for the same in an amount not exceeding the sum specified above, and also, in case suit is brought upon this bond, a reasonable attorney's fee to be fixed by the court.

This bond shall inure to the benefit of any and all persons named in Section 3181 of the Civil Code of the State of California.

BOND FOR MATERIAL SUPPLIERS AND LABORERS (cont'd)

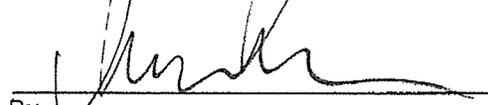
IT IS FURTHER PROVIDED, that any alterations in the work to be done or the material to be furnished, which may be made pursuant to the terms of said Contract shall not in any way release either the Contractor or the Surety thereunder, nor shall any extensions of time granted under the provisions of said Contract release either the Contractor or the Surety; and notice of such alterations or extensions of the Contract is hereby waived by the Surety.

WITNESS our hands this 8TH day of JUNE, 2016.

OAK TREE CONSTRUCTION, INC.
Contractor


By

Valeric Alon, CFO
Title


By

Hayim Alon, CEO
Title

THE OHIO CASUALTY INSURANCE COMPANY
Surety


By KEVIN E. VEGA, ATTORNEY-in-FACT

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 5750780

American Fire and Casualty Company
The Ohio Casualty Insurance Company

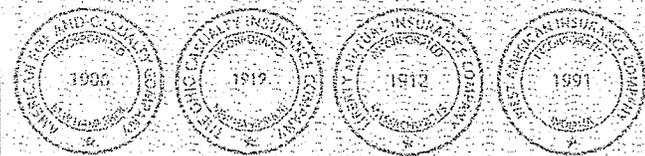
Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Philip E. Vega; Britton Christiansen; Kevin E. Vega; Jadon H. Smith; Myrna Smith

all of the city of Covina state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 1st day of December, 2012



American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

STATE OF WASHINGTON ss
COUNTY OF KING

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By: KD Riley
KD Riley, Notary Public

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ARTICLE XIII - Execution of Contracts - SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

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By: David M. Carey
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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State of California)
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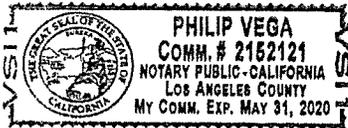
On 06/08/2016 before me, PHILIP VEGA, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

personally appeared KEVIN E. VEGA
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature _____
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____
Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

This Endorsement Changes The Policy. Please Read It Carefully.

ADDITIONAL INSURED BLANKET – YOUR WORK

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE FORM

SCHEDULE

Name of Person or Organization: Any person or organization to whom or to which you are obligated by virtue of a written contract or by the issuance or existence of a written permit, to provide insurance such as is afforded by this policy.

SECTION II - WHO IS AN INSURED is amended to include as an additional insured the person(s) or organization(s) shown in the SCHEDULE, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations; and/or "your work" defined for the additional insured(s) designated above included in the "products-completed operations hazard".

This endorsement effective 9/19/2015
forms part of Policy Number LHA138461
issued to OAK TREE CONSTRUCTION, INC.
by Landmark American Insurance Company

NOTICE INVITING BIDS

NOTICE IS HEREBY GIVEN that sealed bids for the City of Malibu, PARADISE COVE STORMWATER FACILITY, FILTER MEDIA REPLACEMENT PROJECT Specification No. 2062, will be received by the City Clerk, at Malibu City Hall, 23825 Stuart Ranch Road, Malibu, California, 90265, at or before 3:30 p.m. on Thursday, MAY 26, 2016, at which time they will be publicly opened and read by the City Clerk (or designated representative).

SCOPE OF WORK

In general, the proposed improvements consist of replacing the filtration media in two existing tanks located at the Paradise Cove Stormwater Treatment Facility, including the disposal of the existing filter media material. Best Management Practices (BMP), traffic control, and appurtenant work as shown on the plans in the Contract Documents and Specifications.

The bid shall be submitted and the work shall be performed by a Class "A" State of California licensed contractor in strict conformance with the project specifications for the PARADISE COVE STORMWATER FACILITY, FILTER MEDIA REPLACEMENT PROJECT, Specification No. 2062 now on file in the City's Public Works Department.

Copies of plans and specifications may be obtained by prospective bidders from the Public Works Department at 23825 Stuart Ranch Road, Malibu, CA, 90265 upon the payment of a non-refundable fee of \$20.00, plus an additional \$20.00 for handling and mailing, if mailed.

All prospective bidders shall abide by the provisions of the Bid Terms and Conditions listed in the project's specifications.

The City reserves the right to retain all bids for a period of 90 days after the bid opening date for examination and comparison and to delete any portion of the work from the Contract. The City reserves the right to determine and waive non-substantial irregularities in any bid, and to reject any or all bids. The bid shall be balanced so that each bid item is priced to carry its share of the cost of the work and also its share of the contractor's overhead and profit. **The City reserves the right to delete any bid item to the extent that the bid is qualified by specific limitation. An unbalanced bid shall be considered as grounds for rejecting the entire bid.** The City shall award the bid to the lowest responsible bidder as the interest of the City may require.

In accordance with the provisions of Division 2, Part 7, Chapter 1 of the California Labor Code, the California Department of Industrial Relations has established the general prevailing rates of per diem wages for each craft, classification and type of work needed to execute contracts for public works and improvements. The per diem wages published at the date the contract is advertised for bids shall be applicable. Future effective wage rates which have been predetermined are on file with the Department of Industrial Relations, are referenced but not printed in said publication. The new wage rates shall become effective on the day following the expiration date and apply to this contract in the same manner as if they had been included or referenced in this contract. The website for California Department of Industrial Relations Prevailing Wage Unit is currently located at www.dir.ca.gov, prevailing wages are located on the website at <http://www.dir.ca.gov/dlsr/pwd/index.htm>.

The wage rate for any classification not listed by the California Department of Industrial Relations, but which may be required to execute the proposed contract, shall be in accord with specified rates for similar or comparable classifications or for those performing similar or comparable duties, within the agency's determinations.

At the time of submitting the bid the Bidder shall be registered with the California Department of Industrial Relations in accordance with the provisions of Section 1771.1 of the California Labor Code, as amended by Senate Bill 854. No public work contract may be awarded to a non-registered contractor or subcontractor.

Without exception, the bidder is required to state the name and address of each subcontractor who will perform work or labor or render service to the prime contractor and the portion of the work which each will do in their bid as required by Section 2-3, "Subcontracts", of the Standard Specifications and in conformance with Public Contract Code, Sections 4100 to 4113, inclusive.

The City will not consider awarding any contract based upon any bid submitted by any contractor nor consent to subletting any portions of the Contract to any subcontractor located in a foreign country during any period in which such foreign country is listed by the United States Trade Representative as discriminating against U.S. firms in conducting procurements for public works projects.

All bidders are hereby notified that any contract entered into pursuant to this advertisement, Business Enterprises must be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color or national origin consideration for an award.

The Contractor may substitute securities for retention monies pursuant to Public Contract Code Section 22300.

Date this 21st day of APRIL, 2016

CITY OF MALIBU, CALIFORNIA


Robert DuBoux, Acting Public Works Director

Published: Malibu Times on April 28, 2016 and May 5, 2016

CITY OF MALIBU
PUBLIC WORKS DEPARTMENT
CONSTRUCTION BID COVER PAGE FOR
PARADISE COVE STORMWATER FACILITY
FILTER MEDIA REPLACEMENT PROJECT

Specification No. 2062

Bids to be Received on or before May 26, 2016 AT 3:30 P.M.

Completion Time: 30 Consecutive Working Days

Liquidated Damages:

- A. Failure to complete work on time: \$500.00 Per Calendar Day (Sec. 6-9.1)
- B. Failure to keep traffic lanes open: \$500.00 Per Hour (Sec. 6-9.2)

Number of Pages in Construction Bid: 15

CONTRACTOR

Name Oak Tree Construction, Inc.
Street Address 5149 Catalan Ave
City Woodland Hills State CA Zip Code 91364
Telephone 818-999-3935
Fax Number 818-975-5225 (Optional)

The bid shall be balanced so that each bid item is priced to carry its share of the cost of the work and also its share of the contractor's overhead and profit. The City reserves the right to delete any bid item to the extent that bid is qualified by specific limitation. An unbalanced bid shall be considered as grounds for rejecting the entire bid.

CONTRACTOR SHALL SUBMIT PAGES 17 THROUGH 31 FULLY EXECUTED WITH THIS BID

INSTRUCTIONS FOR SIGNING BID, BONDS AND CONTRACT

Corporations

- a) Give name of Corporation.
- b) Signatures: President or Vice-president and Secretary or Assistant Secretary.
- c) Affix corporate seal and notary's acknowledgment where noted or required.
- d) Others may sign for the corporation if the City has been furnished a certified copy of a resolution of the corporate board of directors authorizing them to do so. *See attached copy of corporate resolution*

Partnerships

- a) Signatures: All members of partnership. One may sign if City has a copy of authorization
- b) Affix notary's acknowledgment where noted or required.

Joint Ventures

- a) Give the names of the joint venturers.
- b) Signatures: All joint venturers. One may sign if City has a copy of authorization.
- c) Affix notary's acknowledgment where noted or required.

Individuals

- a) Signature: The individual.
- b) Affix notary's acknowledgment where noted or required.
- c) Another may sign for the individual if the City has been furnished a notarized power-of-attorney authorizing the other person to sign.

Fictitious Names

- a) Show fictitious names.
- b) Satisfy all pertinent requirements show above.

Bonds

- a) In addition to all pertinent requirements above, give signature of Attorney-in-fact and apply surety's seal and provide address and telephone number of said surety.

PLEASE ADHERE TO THE APPLICABLE SIGNING INSTRUCTIONS

**MINUTES OF THE
BOARD OF DIRECTORS
OF
Oak Tree Construction, Inc.**

Pursuant to waiver of notice a special meeting of the Board of Directors of the above corporation was held on August 28, 2009, at 10:00 a.m. at the Woodland Hills office. **The purpose of the meeting was to establish the ability of one officer of the corporation to sign documents binding the corporation on behalf of the corporation itself and all officers, directors, and shareholders.**

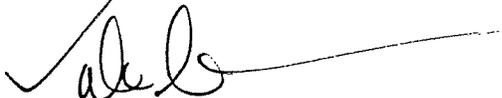
1. Quorum. A quorum was declared present based on the presence of the following directors:

Valerie Alon
Hayim Alon

The following corporate actions were taken by appropriate motions duly made, seconded, and adopted by the unanimous vote of the Board of Directors entitled to vote:

2. **Signatory ability of one officer.** One officer of the corporation is hereby empowered to sign any and all documents required by any government agency in order to bid for a public work project or enter into a contract with said government agency. Said officer is hereby authorized to represent the corporation itself and all officers, directors, and shareholders.

There being no further business, the meeting was duly adjourned.



Valerie Alon
Secretary

Dated: August 28, 2009

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of LOS ANGELES

On 09-01-09 before me, MORDECHAI KATTAN, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

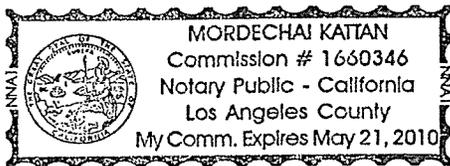
personally appeared VALERIE JABIN ALON
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Mordechai Kattan
Signature of Notary Public



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: CERTIFICATION BY THE SECRETARY

Document Date: 08-28-09 Number of Pages: 1

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

CONTRACTOR'S BID STATEMENT

City of Malibu
Malibu, California 90265

Pursuant to the foregoing Notice Inviting Bids, the undersigned declares that he/she has carefully examined the location of the proposed work, that he/she has examined the Plans and Specifications and read the accompanying instructions to bidders, and hereby proposes to furnish all materials and to do all the work required to complete such work in accordance with such Plans and Specifications for the prices set forth in this Bid.

The undersigned has carefully checked all the figures in this Bid and understands that City will not be responsible for any error or omission on the part of the undersigned in preparing this bid nor will City release the undersigned on account of such error or omission.

The undersigned swears or affirms under penalty of perjury that the information regarding the Contractor's License is true and correct.

The undersigned further agrees that in case of default in executing the required Contract within the applicable ten (10) calendar days or thereafter failing to provide the necessary bonds, within ten (10) calendar days after the contract has been fully executed, the proceeds of check or bond accompanying the bid shall become the property of the City of Malibu.

Licensed in accordance with an act providing for the registration of Contractor's License

No. 518650 Class A, B Expiration Date 9/30/2016

Names of Co-Partners or Corporation Officers and Titles: _____

CEO - Hayim Alon

CFO, Secretary - Valerie Alon

Signature of Bidder [Signature] Title CFO, Secretary

Signature of Bidder _____ Title _____

Name of Contractor or Firm _____ Date of Submittal 5/26/2016

Oak Tree Construction, Inc. Telephone No. 818-999-3935

Address 5149 Catalon Ave, Woodland Hills, CA 91364

Corp State of Incorporation CA

Doing Business as Individual/Partnership/Corporation _____ State of Incorporation _____

Federal Tax Identification Number 95-4101701

California Department of Industrial Relations Identification Number 10000 1302

ALL SIGNATURES MUST BE NOTARIZED
(Attach or Affix Executed Acknowledgement Form,
and Corporate Seal if Applicable

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Los Angeles }

On May 25, 2016 before me, Carlos Mauricio Lemus Notary Public
(Here insert name and title of the officer)

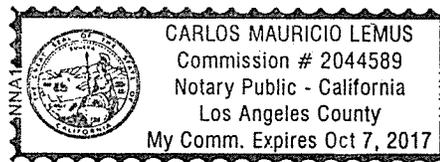
personally appeared Valerie Alon,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]

Notary Public Signature (Notary Public Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT
Contractor's Bid
(Title or description of attached document)

Statement
(Title or description of attached document continued)

Number of Pages 31 Document Date 5-25-16

CAPACITY CLAIMED BY THE SIGNER

- Individual (s)
 Corporate Officer

(Title)
 Partner(s)
 Attorney-in-Fact
 Trustee(s)
 Other _____

INSTRUCTIONS FOR COMPLETING THIS FORM

This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/they-, is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

PROPOSED BID SCHEDULE OF WORK AND PRICES
 FOR THE CONSTRUCTION OF
 PARADISE COVE STORMWATER FACILITY
 FILTER MEDIA REPLACEMENT PROJECT
 SPECIFICATION NO. 2062

Item No.	Payment Reference	Description	Quantity	Unit	Unit Price	Total
1.	902-2	Mobilization (Not to exceed 5% of the total bid)	1	LS	XXXXX	3,003.
2.	901-11	Traffic Control	1	LS	XXXXX	1,000.
3.	906-3	Filter Media Removal	1	LS	XXXXX	18,481.
4.	907-4	Filter Media	1	LS	XXXXX	37,580.
5.	9-5	Release on Contract	1	LS	\$1.00	\$1.00
					TOTAL	60,065.00

The contractor shall be responsible for calculating and providing totals for the schedule. The bid schedule shall include all costs for service, labor and materials, transportation, supervision, equipment and installation associated with the work complete and in place per these specifications.

TOTAL AMOUNT OF BID IN WORDS: Sixty Thousand Sixty-Five Dollars

Contractor Submitting Bid: Oak Tree Construction, Inc.

By:  Valerie Allen, CFO

Date: 5/26/16

The following addenda are acknowledged:

Number

Date

(Bidder must fill in number and date of each addendum or may enter the word "None" if appropriate.)

(See attached)

1

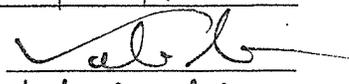
5/12/2016

I make this Proposal and certify under penalty of perjury that all the statements in this bid that I have signed are true and correct.

Contractor's Name Oak Tree Construction

Date 5/26/16

Title CFO

Signature 
Valerie Aton

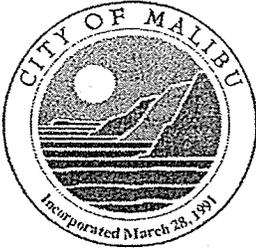
Contractor's Name _____

Date _____

Title _____

Signature _____





City of Malibu

23825 Stuart Ranch Road Malibu, California 90265-4861
(310) 456-2489 fax (310) 456-3356

DATE: 5/12/2016

ADDENDUM NO. 1

TO

PARADISE COVE STORMWATER FACILITY FILTER MEDIA REPLACEMENT PROJECT SPECIFICATION NO. 2062

All Prospective Bidders:

NOTICE IS HEREBY GIVEN to all prospective bidders that the following modifications are made to the above project plans and specifications:

SPECIFICATIONS:

- 1. Change:** In Specification Section 907-2, Subsection 2.1 Filter Media on page 100, delete subsection and replace with the following (the change is noted below in bold):
 - Each vessel shall have a permanent multi-media filter bed consisting of the following layers:
 - Anthracite (0.8-1.0 mm) 12" in depth and 78.54 cubic feet in volume
 - Silica sand (**0.35-0.45 mm**) 12" in depth and 78.54 cubic feet in volume
 - Garnet (0.35-0.45 mm) 12" in depth and 78.54 cubic feet in volume
 - 1/4" x 1/2" gravel 3" in depth and 19.63 cubic feet in volume
 - 1/2" x 3/4" gravel completely covering under-drain and up to bottom weld seam
 - 21" of freeboard
 - Uniformity coefficient shall be 1.6 or less

DRAWINGS:

None

QUESTIONS:

Question 1: Section 907- Filter Media 907-2.2.1 1/4 x 3/4 Gravel. It states the gravel is to completely cover the under drain and up to bottom of weld seam. The drawing supplied in the bid does not give any information if there is concrete in the filter or number of inches of this gravel we will need. Can you send me either a drawing showing the media or give me the number of inches we need to get it to the weld seam?

Answer 1: Assume approximately 6,000 pounds of course gravel. See Attachment No. 1 – Media Layers

ATTACHMENTS:

Attachment No. 1 – Media Layers

This addendum shall be made part of the above referenced project.

Acknowledgement of this addendum by inserting the addendum number and date on page 21 of the proposal and returning the signed Addendum No. 1 with the bid proposal is required. Failure to do so may result in the disqualification of your bid.

By Order of the Acting Public Works Director/City Engineer



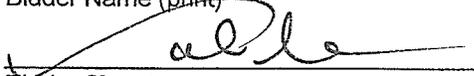
Robert R. DuBoux, PE, Esq

5.16.16
Date

BIDDER'S CERTIFICATION

I acknowledge receipt of the foregoing Addendum No. 1 and accept all conditions contained therein:

OAK Tree Constructor, Inc.
Bidder Name (print)



Bidder Signature

5/26/16
Date

BIDDER'S BOND TO ACCOMPANY BID
(in lieu of cash, certified or cashier's check)

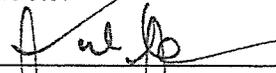
KNOW ALL PERSONS BY THESE PRESENTS:

That we, OAK TREE CONSTRUCTION, INC., as Principal, and THE OHIO CASUALTY INSURANCE COMPANY, as Surety, acknowledge ourselves jointly and severally bound to the City of Malibu, the obligee, for ten (10) percent of the total bid, to be paid to said City if the Bid shall be accepted and the Principal shall fail to execute the Contract tendered by the City within the applicable time specified in the Bid Terms and Conditions, or fails to furnish either the required Faithful Performance or Labor and Material Bonds, or fails to furnish evidence of insurance as required in the Standard Specifications, then this obligation shall become due and payable, and Surety shall pay to obligee, in case suit is brought upon this bond in addition to the bond amount hereof, court costs and a reasonable attorney's fee to be fixed by the court. If the Principal executes the contract and furnishes the required bonds and evidence of insurance as provided in the bid documents, this bond shall be extinguished and released. It is hereby agreed that bid errors shall not constitute a defense to forfeiture.

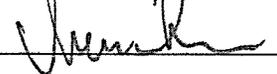
WITNESS our hands this 19TH day of MAY, 2016.

OAK TREE CONSTRUCTION, INC.

Contractor

By 

Title CFO, Secretary

By 

Title CEO

THE OHIO CASUALTY INSURANCE COMPANY

Surety

By 

KEVIN E. VEGA, ATTORNEY-in-FACT

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 5750780

American Fire and Casualty Company
The Ohio Casualty Insurance Company

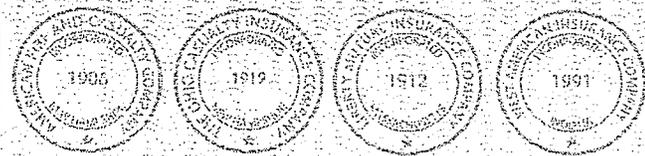
Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Philip E. Vega; Britton Christiansen; Kevin E. Vega; Jadon H. Smith; Myrna Smith

all of the city of Covina, state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations; in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 1st day of December, 2012



American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

STATE OF WASHINGTON ss
COUNTY OF KING

On this 1st day of December, 2012, before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.



By: KD Riley
KD Riley, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

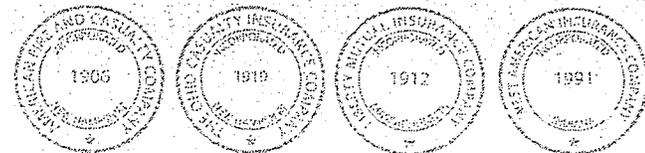
ARTICLE XIII - Execution of Contracts - SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, David M. Carey, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 19TH day of MAY, 2016



By: David M. Carey
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of LOS ANGELES)

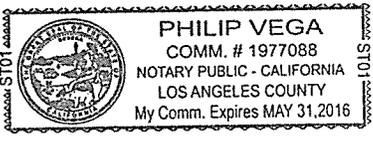
On 05/19/2016 before me, PHILIP VEGA, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

personally appeared KEVIN E. VEGA
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature _____
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____
Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

STATEMENT OF BIDDER'S QUALIFICATIONS AND REFERENCES

The bidder is required to state the bidder's financial ability and a general description of similar work performed.

Required Qualifications: Bidders must hold a valid State of California Contractor's License "A" at the time the bid is submitted to the City, and must have satisfactorily completed at least three Southern California municipal projects in the last five years of comparable size to the scope of this project.

Number of years engaged in providing the work included within the scope of the specifications under the present business name: 29 yrs

List and describe fully the last three recent contracts performed by your firm which demonstrate your ability to complete the work included with the scope of the specifications. Attach additional pages if required. The City reserves the right to contact each of the references listed for additional information regarding your firm's qualifications.

Reference No. 1

Customer Name Calif. State Parks - Leo Carrillo Steelhead Trout Phase 1
Contact Individual James Buenviaje, P.M. Phone No. 619-221-7045
Contract Amount 1,464,960 (Phase 1) Year 2016
Address Leo Carrillo State Park, Malibu
Description of work done Site work to demolish remove Arizona Crossing, drill & construct abutments & install bridge and remedial restoration. Included Risk Level 2 SWPPP

Reference No. 2

Customer Name City of Malibu - Broad Beach Biofiltration Project
Contact Individual Rob DuBoux, Esq., PE Phone No. 310-456-2489
Contract Amount \$1,670,703 Year 2015
Address Broad Beach Rd @ Trancas Cyn., Malibu
Description of work done Construction of 9 Biofiltration systems including extensive site work, landscaping & irrigation.

Reference No. 3

Customer Name City of Malibu - Paradise Cove Stormwater Treatment
Contact Individual Rob DuBoux, Esq., PE Phone No. 310-456-2489
Contract Amount \$958,452 Year 2010
Address Paradise Cove Restaurant Parking Lot, Malibu
Description of work done Installation of the system which is the subject of this media replacement project.

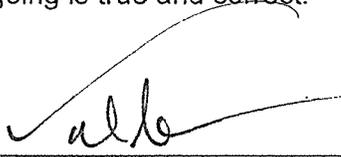
STATEMENT OF BIDDER'S QUALIFICATIONS AND REFERENCES
(Cont'd)

STATE OF CALIFORNIA, COUNTY OF Los Angeles
I am the CFO & Secretary
_____ of Oak Tree Construction, Inc.

_____, the bidder herein. I have read the foregoing statement and know the contents thereof; and I certify that the same is true to my knowledge, except as to those matters which are therein stated upon my information or belief, and as to those matters I believe it to be true.

Executed on 5/26/16 at Woodland Hills, California.
(Date) (Place)

I declare, under penalty of perjury, that the foregoing is true and correct.


Signature of Bidder

CFO, Secretary
Title

Signature of Bidder

Title

STATEMENT OF BIDDER'S PAST CONTRACT DISQUALIFICATIONS

Pursuant to Section 10162 of the Public Contract Code the bidder shall state whether such bidder, any officer or employee of such bidder who has a proprietary interest in such bidder has ever been disqualified, removed, or otherwise prevented from bidding on, or completing a Federal, State, or local government project because of a violation of law or a safety regulation; and if so, explain the circumstances.

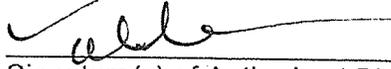
1. Do you have any disqualification, removal, etc., as described in the above paragraph to declare?

Yes _____ No X

2. If Yes, explain the circumstances.

Executed on 5/21/2016 at Woodland Hills, California.

I declare, under penalty of perjury, that the foregoing is true and correct.



Signature(s) of Authorized Bidder

Valerie A. Long
CFO, Secretary
Title

Signature(s) of Authorized Bidder

Title

QUESTIONNAIRE REGARDING SUBCONTRACTORS

Bidder shall answer the following questions and submit with the bid.

1. Were bid depository or registry services used in obtaining subcontractor bid figures in order to compute your bid?
Yes () No (X)
2. If the answer to No. 1 is "yes", please forward a copy of the rules of each bid depository you used with this questionnaire.
3. Did you have any source of subcontractors' bids other than bid depositories?
Yes (X) No ()
4. Has any person or group threatened you with subcontractor boycotts, union boycotts or other sanctions to attempt to convince you to use the services or abide by the rules of one or more bid depositories?
Yes () No (X)
5. If the answer to No. 4 is "yes", please explain the following details:
 - a) Date:
 - b) Name of person or group:
 - c) Job involved (if applicable):
 - d) Nature of threats:
 - e) Additional comments: (Attach additional pages as necessary)

We declare under penalty of perjury that the foregoing is true and correct.

Dated this 26th day of May, 2016.

Oak Tree Construction, Inc.
Name of Company

By [Signature]

CFO, Secretary
Title

By _____

Title

BIDDER'S STATEMENT OF SUBCONTRACTORS AND MATERIAL FABRICATORS

Without exception, the bidder is required to state the name and address of each subcontractor and the portion of the work which each will do as required by Section 2-3, "Subcontracts", of the Standard Specifications and in conformance with Public Contracts Code, Sections 4100 to 4113, inclusive.

Without limiting the generality of the foregoing, any contractor making a bid or offer to perform the work, shall set forth in the Bid:

(a) The name and the location of the place of business of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement, or a subcontractor licensed by the State of California who, under subcontract to the prime contractor, specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent of the prime contractor's total bid; and

(b) The portion of the work which will be done by each subcontractor. The prime contractor shall list only one subcontractor for each portion.

(c) Agrees that the list of subcontractors submitted herewith cannot be changed, modified, or substituted without written request and approval of the awarding body.

The undersigned submits herewith a list of subcontractors in conformance with the foregoing:

Name Under Which Subcontractor is Licensed	License No. & Class	Business Address	Specific Description of Subcontract and Portion of the Work to be Done
Starlite Reclamation & Environmental Services	EPA-CAR 000148296	Fontana, CA	Vacuum out old media
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Winds _____ 5/26/16
 Signature(s) of Bidder Date

 Signature(s) of Bidder Date

CFO Secretary _____
 Title

 Title

NON-COLLUSION AFFIDAVIT

(Title 23 United States Code Section 112 and
Public Contract Code Section 7106)

TO THE CITY OF MALIBU
PUBLIC WORKS DEPARTMENT

In accordance with Title 23 United States Code Section 112 and Public Contract Code 7106, the bidder declares that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder to any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Oak Tree Construction, Inc.

Name of Bidder

Name of Bidder

By 
Signature of Bidder Valerie Aloa, CFO

Signature of Bidder

5149 Catalan Ave, Woodland Hills, CA 91364
Bidder Address

EQUAL OPPORTUNITY CERTIFICATE

THE BIDDER'S EXECUTION OF THE SIGNATURE PORTION OF THIS PROPOSAL SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATES WHICH ARE A PART OF THIS BID.

The bidder hereby certifies that the bidder and proposed subcontractor(s), if any, have or have not participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

Oak Tree Construction, Inc.
Name of Bidding Company

By [Signature]
Authorized Signature

CFO, Secretary
Title (Typed)

5 / 26 / 2016
Date



**DEBARMENT AND SUSPENSION CERTIFICATION TITLE 49, CODE OF FEDERAL
REGULATIONS PART 29**

The bidder under penalty of perjury, certifies that except as noted below, the bidder or any person associated therewith in the capacity of owner, partner, director, officer, or manager:

is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency;

has not been suspended, debarred, voluntarily excluded, or determined ineligible by any federal agency within the past three (3) years;

does not have a proposed debarment pending; and

has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three (3) years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder's responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions. The above certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

A handwritten signature in black ink, consisting of a stylized first name and a last name, followed by a horizontal line extending to the right.



Council Agenda Report

To: Mayor Rosenthal and the Honorable Members of the City Council

Prepared by: Robert DuBoux, Acting Public Works Director/City Engineer 

Reviewed by: Robert L. Brager, Public Works Director/City Engineer 

Approved by: Reva Feldman, City Manager 

Date prepared: June 7, 2016 Meeting date: June 27, 2016

Subject: Engineering and Traffic Survey

RECOMMENDED ACTION: 1) Approve and adopt the Engineering and Traffic Survey to establish speed limits; and 2) Consider the recommendation of the Public Safety Commission to lower the speed limit from 40 mph to 35 mph on the segment of Civic Center Way from Malibu Canyon Road to Webb Way.

FISCAL IMPACT: There is no fiscal impact associated with the recommended action.

DISCUSSION: Engineering and Traffic Surveys serve as the basis for the establishment and enforcement of speed limits. The national Uniform Vehicle Code and California Vehicle Code (CVC) Section 40802 (a) require that municipalities evaluate speed zones on a regular basis to ensure that the posted speed limits are justified for the road conditions. The City of Malibu is responsible for conducting speed surveys on local Malibu street segments. The City's Speed Survey does not include roads or highways that the City does not own, operate or maintain such as private streets within the City limits or Pacific Coast Highway/State Route 1. Per CVC Sections 627 and 40802, speed surveys can be valid for up to 10 years as long as a registered engineer evaluates the road conditions and determines that no significant changes have been made to the roadway or traffic conditions.

The City Council approved the City's current Engineering and Traffic Survey in 2007. In order to ensure that the posted speed limits are justified for current conditions and validate the City's use of radar enforcement, a new speed survey was conducted along Malibu streets in 2014 by the City's Traffic Engineer, Kimley Horn. The Engineering and Traffic Survey includes the review and analysis of 41 road segments within the City limits and was prepared in accordance with the CVC and the California Manual on Uniform

Traffic Control Devices (CA-MUTCD). The survey includes field observations, an inventory of road geometrics, a review of accident data, and an evaluation of surrounding land use and roadway crossings. It also includes other relevant site specific information such as roadway and roadside conditions that may contribute to special circumstances. The location and presence of existing speed limit signs were documented and analyzed and traffic counts were conducted for each road segment.

The 2016 Engineering and Traffic Survey (Attachment No. 1) includes recommendations for changes to the City’s existing speed limits based on the standards established by the CVC and CA-MUTCD and the roadway data collected. Per CVC and CA-MUTCD, the primary guide to determining safe and reasonable speeds is the 85th percentile speed of traffic in the segment. The 85th percentile speed is defined as the speed at or below which 85 percent of the traffic is moving. Based on the analysis of the 85th percentile speed, the City’s Traffic Engineers recommends that the speed limit be reduced by 5 miles per hour (MPH) along three (3) road segments:

SEGMENT NO.	SEGMENT LOCATION	EXISTING (POSTED) SPEED LIMIT	PROPOSED SPEED LIMIT
1	Big Rock Drive between Cool Oak Way and Pacific Coast Highway	30 mph	25 mph
7	Busch Drive between Merritt Drive and Pacific Coast Highway	30 mph	25 mph
8	Carbon Canyon Road between Carbon Mesa and Pacific Coast Highway	30 mph	25 mph

On March 14, 2016, in response to residents’ safety concerns regarding excessive speeds in the Point Dume Neighborhood Area (Point Dume), the Council directed staff to lower the speed limit on select roadway segments in Point Dume to the Residential District Prima Facie Speed Limit of 25 mph. The following three (3) roadway segments have been changed to 25 mph and are noted in the report.

SEGMENT NO.	SEGMENT LOCATION	EXISTING (POSTED) SPEED LIMIT	NEW SPEED LIMIT
12	Cliffside Drive between Birdview Avenue and Fernhill Drive	30 mph	25 mph
37	Wildlife Road between Zumirez Drive to the end	30 mph	25 mph
41	Bluewater Road between Birdview Avenue and Dume Drive	30 mph	25 mph

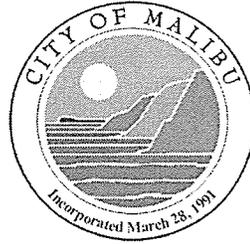
The speed limits on all others roadway segments reviewed in the study are proposed to remain unchanged.

On December 3, 2014, the Draft Engineering and Traffic Survey was presented to the Public Safety Commission for review and comments. The Public Safety Commission recommended that the City Council adopt the Draft Engineering and Traffic Survey and implement its speed limit recommendations with one amendment. The Commission recommended that Council consider lowering the speed limit from 40 mph to 35 mph on the segment of Civic Center Way from Malibu Canyon Road to Webb Way.

The City's Traffic Engineer and City staff reviewed the Commission's recommendation and recommend that the speed limit for Civic Center Way from Malibu Canyon Road to Webb Way remain 40 mph. The speed limit of 40 mph is based on the 85th percentile speed in accordance with the CVC and CA-MUTCD guidelines. Speed limits set on this basis provide law enforcement officials with a means to cite and control reckless and unreliable drivers who don't conform to the speed that the majority finds reasonable. If the speed limit was lowered to 35 mph, law enforcement personnel would be unable to enforce the speed limit. In addition to the significant enforcement issues this would cause, lowering the speed limit would create confusion and conflict amongst motorists, inhibit traffic operations and flow and may increase the rate of collisions.

Therefore staff recommends that Council approve and adopt the attached Engineering and Traffic Survey.

ATTACHMENTS: 1) Engineering and Traffic Survey to Establish Speed Limits
2) Memorandum – Residential Density



**2016 ENGINEERING AND TRAFFIC SURVEY
TO ESTABLISH SPEED LIMITS**

April 2016

Prepared by:
Kimley»»Horn

CERTIFICATION

I, Srikanth Chakravarthy, do hereby certify that this Engineering and Traffic Survey for the City of Malibu was performed under my supervision. I certify that I am experienced in performing surveys of this type and duly registered in the State of California as a Professional Civil and Traffic Engineer.



Srikanth Chakravarthy
April 26, 2016
RCE# 73629
RTE# 2531

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- Appendix “A” – Speed Radar Certifications
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1.0 INTRODUCTION

This Engineering and Traffic Survey is intended to serve as the basis for the establishment and enforcement of speed limits for street segments within the City Malibu. This survey was authorized by the City and independently conducted by the private consulting firm Kimley-Horn. The existing speed limits were established based upon the 2007 Engineering and Traffic Survey. The study includes a summary of Average Daily Traffic (ADT) and radar speed surveys at 41 locations within the city, as well as collision histories at key locations.

Engineering and traffic surveys for speed limits are conducted once every five (5) years by governing municipalities in order to comply with Section 40802(a) of the *California Vehicle Code (CVC)* and the national *Uniform Vehicle Code*. Engineering and traffic surveys may be extended to every seven (7) years or every ten (10) years if a registered engineer evaluates the section of the highway and determines that no significant changes in roadway or traffic conditions have occurred as specified in Section 40802(c) of the *California Vehicle Code (CVC)*. In addition, an engineering and traffic survey should be conducted on newly constructed roadways or roadways where the roadway conditions have significantly changed. There have been no significant changes to the roadway and traffic conditions and the existing speed limits established based upon the 2007 Engineering and Traffic Survey are set to expire in 2017

The current study will verify and recommend modifications for existing speed limits within the City of Malibu based on the data and results of this survey. This report documents the following:

- Current speed limits and speed zoning regulations
- Recent 3 year collision records
- Radar speed survey results for prevailing speeds
- Highway, traffic and roadside conditions not readily apparent to the driver, and
- Recommended speed limit changes

1.1 Regulations and Guidelines

Division 11, Chapter 7, of the 2011 California Vehicle Code defines the California Speed Laws. Section 22352 of the CVC indicates that prima facie speed limits are 15 miles per hour (mph) at unprotected railroad grade crossings, highway intersections with site restrictions, and on any alley. In addition, the prima facie speed limit is 25 mph in residential and business districts, when approaching or passing a school building or grounds thereof or when passing a senior center or other facility primarily used by senior citizens. Division 1 of the CVC defines a business district and residence district in Section 235 and 515, respectively.

“A ‘business district’ is that portion of a highway and the property contiguous thereto (a) upon one side of which highway, for a distance of 600 feet, 50 percent or more of the contiguous property fronting thereon is occupied by buildings in use for business, or (b) upon both sides of which highway, collectively, for a distance of 300 feet, 50 percent or more of the contiguous property fronting thereon is so occupied. A business district may

be longer than the distances specified in this section if the above ratio of buildings in use for business to the length of the highway exists.¹”

“A ‘residence district’ is that portion of a highway and the property contiguous thereto, other than a business district, (a) upon one side of which highway, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses or business structures, or (b) upon both sides of which highway, collectively, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures. A residence district may be longer than one-quarter of a mile if the above ratio of separate dwelling houses or business structures to the length of the highway exists.²”

Section 22357(a) permits the establishment of speed limits greater than 25 mph based on the following text:

“Whenever a local authority determines upon the basis of an engineering and traffic survey that a speed greater than 25 miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon any street other than a state highway otherwise subject to a prima facie limit of 25 miles per hour, the local authority may by ordinance determine and declare a prima facie speed limit of 30, 35, 40, 45, 50, 55, or 60 miles per hour or a maximum speed limit of 65 miles per hour, whichever is found most appropriate to facilitate the orderly movement of traffic and is reasonable and safe.³”

Therefore, the CVC allows local authorities to increase or decrease the prima facie limits by ordinance or resolution to appropriate limits as determined by an engineering and traffic survey. Posted speed limits not defined in the CVC or established by ordinance are not valid. The CVC requires that speed surveys must be performed with the use of radar or other electronic devices at locations where speed limits are to be enforced with the use of radar. The current survey must be completed within five years as specified in Section 40802(a); seven years as specified in Section 40802(c), or ten years as specified in Section 40802(c), of the date of the preceding survey. A survey allowed to expire past the valid duration of the previous survey would constitute a speed trap as defined in Sections 40802(a) and 40802(b) of the CVC:

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

(2) A particular section of a highway with a prima facie speed limit that is provided by this code or by local ordinance under subparagraph (A) of paragraph (2) of subdivision

¹ California Department of Motor Vehicles, [California Vehicle Code](#), Division 1, Section 235, 2011.

² California Department of Motor Vehicles, [California Vehicle Code](#), Division 1, Section 515, 2011.

³ California Department of Motor Vehicles, [California Vehicle Code](#), Division 11, Chapter 7, Section 22357(a), 2011.

(a) of Section 22352, or established under Section 22354, 22357, 22358, or 22358.3, if that prima facie speed limit is not justified by an engineering and traffic survey conducted within five years prior to the date of the alleged violation, and enforcement of the speed limit involves the use of radar or any other electronic device that measures the speed of moving objects. This paragraph does not apply to a local street, road, or school zone.

(b) (1) For purposes of this section, a local street or road is defined by the latest functional usage and federal-aid system maps submitted to the federal Highway Administration, except that when these maps have not been submitted, or when the street or road is not shown on the maps, a “local street or road” means a street or road that primarily provides access to abutting residential property and meets the following three conditions:

- (A) Roadway width of not more than 40 feet.
- (B) Not more than one-half of a mile of uninterrupted length. Interruptions shall include official traffic control signals as defined in Section 445.
- (C) Not more than one traffic lane in each direction.

(2) For purposes of this section “school zone” means that area approaching or passing a school building or the grounds thereof that is contiguous to a highway and on which is posted a standard “SCHOOL” warning sign, while children are going to or leaving the school either during school hours or during the noon recess period. “School zone” also includes the area approaching or passing any school grounds that are not separated from the highway by a fence, gate, or other physical barrier while the grounds are in use by children if that highway is posted with a standard “SCHOOL” warning sign.⁴

1.2 Requirements and Methodology of an Engineering and Traffic Survey

Speed zones are primarily established to protect the public from the unreasonable behavior of reckless, unreliable, or otherwise dangerous drivers. Speed limits are generally established at or near the 85th percentile speed, which is defined as the speed at or below which 85 percent of traffic is moving. Speed limits established on this basis conform to the consensus of those who drive on the roadways as to what speed is reasonable and safe, and are not dependent on the judgment of one or a few individuals.

The Engineering and Traffic Survey, as defined in Section 627 of the CVC, must consider the prevailing speeds, collision records, pedestrian and bicycle activity, and roadway traffic and roadside conditions not readily apparent to the driver. Speed zones are also established to advise motorists of road conditions or hazards, which may not be readily apparent to a reasonable

⁴ California Department of Motor Vehicles, California Vehicle Code, Division 17, Chapter 2, Section 40802, 2011.

driver. For this reason, a field review of related road/traffic variables is conducted which is considered in combination with the statistical data and collision history of a particular roadway segment to determine a safe and reasonable speed limit. The specific procedures used in the performance of an Engineering and Traffic Study are outlined in the *2012 California MUTCD*. The statistical factors used to analyze the collected speed survey data and additional factors as noted in the *2012 California MUTCD* to consider are defined in the following section.

2.0 SPEED SURVEY EVALUATION

Forty-one (41) locations were evaluated by Kimley-Horn and included in this report. These roadway sections and limits of the sections are listed in Table 1. See **Figure 1** in Appendix B for the location of the project segments.

Table 1: Survey Locations and Limits

Location Number	Location Name	Limits (From)	Limits (To)
1	Big Rock Drive	Cool Oak Way	PCH (Pacific Coast Highway)
2	Birdview Avenue	Westward Beach	Cliffside Drive
3	Boniface Drive	Portshead Road	Fernhill Drive
4	Portshead Road	Pacific Coast Highway	Boniface Drive
5	Broad Beach Road	Pacific Coast Highway	Pacific Coast Highway
6	Busch Drive	Calpine Drive	Merritt Drive
7	Busch Drive	Merritt Drive	Pacific Coast Highway
8	Carbon Canyon Road	Carbon Mesa	Pacific Coast Highway
9	Carbon Mesa	End	Carbon Canyon Road
10	Civic Center Way	Malibu Canyon Road	Webb Way
11	Civic Center Way	Webb Way	Cross Creek Road
12	Cliffside Drive	Birdview Avenue	Fernhill Drive
13	Corral Canyon Road	City Limit	Pacific Coast Highway
14	Cross Creek Road	Civic Center Way	Pacific Coast Highway
15	Dume Drive	Heathercliff Road	Cliffside Drive
16	Encinal Canyon Road	North City Limit	Pacific Coast Highway
17	Fernhill Drive	Grayfox Street	Cliffside Drive
18	Fernhill Drive	Wildlife Road	Grayfox Street
19	Guernsey Avenue	Morning View Drive	Pacific Coast Highway
20	Heathercliff Road	Pacific Coast Highway	Wandermere Road
21	John Tyler Drive	Pepperdine University Entrance	Pacific Coast Highway
22	Kanan Dume Road	North City Limit	Pacific Coast Highway
23	Las Flores Canyon Road	North City Limit	Pacific Coast Highway
24	Latigo Canyon Road	North City Limit	Pacific Coast Highway
25	Malibu Canyon Road	North City Limit	Civic Center Way

Location Number	Location Name	Limits (From)	Limits (To)
26	Malibu Canyon Road	Civic Center Way	Pacific Coast Highway
27	Malibu Country Drive	John Tyler Drive (Private)	John Tyler Drive
28	Malibu Road	Pacific Coast Highway	Webb Way (west of)
29	Malibu Road	Webb Way (east of)	Pacific Coast Highway
30	Merritt Drive	Morning View Drive	Busch Drive
31	Morning View Drive	Guernsey Avenue	Via Cabrillo
32	Morning View Drive	Via Cabrillo	Pacific Coast Highway
33	Philip Avenue	Morning View Drive	Cuthbert Road
34	Rambla Vista	Pacific Coast Highway	Pacific Coast Highway
35	Trancas Canyon Road	North City Limit	Pacific Coast Highway
36	Westward Beach Road	Pacific Coast Highway	Birdview Avenue
37	Wildlife Road	Zumirez Drive	Fernhill Drive
38	Puerco Canyon Road	Pacific Coast Highway	1000' North of Pacific Coast Highway
39	Zumirez Drive	Pacific Coast Highway	End
40	Rambla Pacifico	Pacific Coast Highway	750' North of Pacific Coast Highway
41	Bluewater Road	Birdview Avenue	Dume Drive

2.1 Field Review

Speed data was collected using manual radar surveys and were performed by a sub-consultant to Kimley-Horn, National Data and Surveying Services (NDS), at 41 locations during “off-peak” hours on a weekday (Monday through Friday). NDS also collected the ADT data for the 41 project locations during a Weekday (Tuesday, Wednesday or Thursday). The radar surveys and ADT counts were collected in March 2014 and June 2014.

Each of the radar speed checks were made from an inconspicuously parked, unmarked vehicle. An effort was made to ensure that the presence of the vehicle in no way affected the speed of the traffic being surveyed. Field information from these speed surveys and other roadway characteristics were recorded on field data forms and later coded into spreadsheet based software for analysis purposes. Chapter 2B of the *2012 California MUTCD* indicates that it is desirable to have a minimum sample of 100 vehicles for a speed zone survey for an arterial street. This may result in excessive survey periods for low volume roadways, and therefore speed samples were collected during a maximum period of 2 hours for low volume roadways.

Examples of the field data collected for the purposes of analyzing related roadway characteristics as they pertain to the determination of appropriate speed limits are listed below. The results of the field review for related roadway and traffic variables of specific street segments are summarized in the Engineering and Traffic Survey forms included in **Appendix C**.

1. Segment length, width and alignment;
2. Level of pedestrian and bicycle activity;
3. Traffic flow characteristics;
4. Number of lanes and other channelization/stripping factors;
5. Frequency of intersections, driveways, on-street parking, bike lanes;
6. Locations of stop signs, traffic signals, and other regulatory traffic control devices;
7. Roadway condition, bumps and dips;
8. Land use and proximity of schools, parks/recreation areas and senior centers;
9. Uniformity with existing speed zones; and,
10. Any other unusual conditions or hazards not readily apparent to the driver.

2.2 Statistical Analysis Factors

Significant factors used to analyze the collected survey data are summarized below:

1. **85th Percentile Speed.** The Critical Speed, or the 85th percentile speed, is defined as that speed at or below which 85 percent of the traffic is moving. This factor is the primary guide in determining what speeds the majority of safe and reasonable drivers are traveling. Therefore, the practice is to set the speed limit to the nearest 5 mph increment from the critical speed unless other factors require a lower limit. Speed limits set on this basis provide law enforcement officials with a means of controlling reckless or unreliable drivers who will not conform to what the majority finds reasonable.
2. **The 10-mph Pace.** The 10-mph Pace is the 10-mph increment range, which contains the largest number of recorded vehicles. The pace is a measure of the dispersion of speeds within the sample surveyed. Speed limits should normally be set to fall within the 10-mph pace. However, conditions not readily apparent to the driver or adhering to State mandated limits such as in Residence Districts may require setting speed limits below the 10-mph pace.
3. **50th Percentile Speed.** The Median Speed, or 50th Percentile Speed, represents the mid-point value within the range of recorded speeds for a particular roadway location. In other words, 50 percent of the vehicles travel faster than and 50 percent travel slower than, the median speed. This value is another measure of the central tendency of the vehicle speed distribution. Typically speed limits should not be set below the 50th Percentile Speed, since it would result in greater than 50-percent of the drivers exceeding the speed limit.

4. **15th Percentile Speed.** The 15th Percentile Speed is that speed at or below which 15 percent of the vehicles are traveling. This value is important in determining the minimum allowable speed limit, given that the vehicles traveling below this speed tend to obstruct the flow of traffic, thereby increasing the collision potential.

5. **Percent of Vehicles in Pace Speed.** The percent of vehicles in the 10-mph pace speed is an indication of the grouping of vehicular speeds. Ideally, if all vehicles were traveling at or about the same speed, there would be a reduced likelihood of vehicular collisions. In speed limit analysis, the higher the percent of vehicles within the pace speed, the more favorable the speed distribution. The percent of vehicles within the 10-mph pace is often between 60 and 90 percent.

2.3 Collision History

The Engineering and Traffic Survey forms summarize the recent collision information for each of the street segments. The collision information was obtained from the California Statewide Integrated Traffic Records System (SWITRS) Report by the City of Malibu from October 1st, 2010 to October 31, 2013. The collisions were reviewed and corridor related collisions (those not related to signalized intersections) were summarized for each segment by Kimley-Horn. Based upon the number of total collisions studied over the 3 year period and ADT counts, a collision rate per million vehicle miles was calculated for each segment. To provide a general comparison of the collision rates on the segments to expected collisions rates for similar types of local roadways, the collision rates for each segment were compared to the statewide average rate listed in the 2009 Collision Data on California State Highways as listed in Table 2 (road miles, travel, collisions, collision rates) as listed in Table 2.

**Table 2: 2010 California State Highways Collision Rates Based on
Accident Data for the years 2010 through 2013**

Highway Type	Area	Design Speed	Base Rate
Conventional 2 Lanes or Less	Suburban	<45 mph	2.55
Conventional 2 Lanes or Less	Suburban	45-55 mph	1.55
Conventional 3 Lanes	Suburban	-	1.30
Undivided 4 Lanes	Suburban	≤55	2.00
Divided 4 Lanes	Suburban	≤55	1.60

3.0 RESULTS AND RECOMMENDATIONS

The recommendations contained in this report are intended to establish prima facie speed limits. Prima facie limits attempt to advise the motorist and enforcement officers of the reasonable speed for a particular section of roadway for the prevailing conditions. In many cases, the recommendations made produce a uniform speed limit along the road. As a result, the speed limits in adjacent jurisdictions were considered as well as along the various street segments surveyed within the City of Malibu.

Figure 2 included in Appendix B illustrates the existing speed limit and **Figure 3** in Appendix B illustrate the recommended speed limit for each project segment.

The Engineering and Traffic Survey Forms, presented in **Appendix C**, illustrate the results of an evaluation of the available data and indicate a recommended speed limit for each of the street segments surveyed. A summary of the data analysis, along with recommended speed limits can be found in **Table 3** followed by descriptions of the recommendations for each roadway segment with special conditions.

Table 3: Speed Survey Recommendations

Location Number	Location Name	Limit (From)	Limit (To)	Existing Speed Limit (mph)	85th Percentile Speed (mph)	Recommended Speed Limit (mph)	Justification
1	Big Rock Dr	Cool Oak Way	PCH	30	32	25	Restricted sight distance from horizontal and vertical road curvature
2	Birdview Ave	Westward Beach	Cliffside Dr	25	-	25	Fronting residential; Prima Facie speed limit
3	Boniface Dr	Portshead Rd	Fernhill Dr	25	-	25	Fronting residential; Prima Facie speed limit
4	Portshead Rd	PCH	Boniface Dr	25	-	25	Fronting residential; Prima Facie speed limit
5	Broad Beach Rd	PCH	PCH	25	-	25	Fronting residential; Prima Facie speed limit
6	Busch Dr	Calpine Dr	Merritt Dr	30	36	30	Restricted sight distance from horizontal road curvature
7	Busch Dr	Merritt Dr	PCH	30	32	25	High collision rate and restricted sight distance from vertical and horizontal road curvature
8	Carbon Canyon Rd	Carbon Mesa	PCH	30	32	25	Restricted sight distance from vertical and horizontal road curvature
9	Carbon Mesa	End	Carbon Canyon Rd	25	31	25	Restricted sight distance from vertical road curvature
10	Civic Center Way	Malibu Canyon Rd	Webb Way	40	46	40	Restricted sight distance from horizontal road curvature, residential density and no sidewalks
11	Civic Center Way	Webb Way	Cross Creek Rd	25	31	25	High pedestrian activity
12	Cliffside Dr	Birdview Ave	Fernhill Dr	30	--	25	Fronting Residential; Prima Facie Speed Limit
13	Corral Canyon Rd	City Limit	PCH	30	36	30	Restricted sight distance from vertical and horizontal road curvature
14	Cross Creek Rd	Civic Center Way	PCH	25	22	25	85th percentile speed
15	Dume Dr	Heathercliff Rd	Cliffside Dr	30	36	30	Restricted sight distance from vertical and horizontal road curvature
16	Encinal Canyon Rd	North City Limit	PCH	45	49	45	Restricted sight distance from vertical and horizontal road curvature
17	Fernhill Dr	Grayfox Street	Cliffside Dr	25	--	25	Fronting Residential; Prima Facie Speed Limit
18	Fernhill Dr	Wildlife Rd	Grayfox Street	25	28	25	Restricted sight distance from vertical road curvature

Location Number	Location Name	Limit (From)	Limit (To)	Existing Speed Limit (mph)	85th Percentile Speed (mph)	Recommended Speed Limit (mph)	Justification
19	Guernsey Ave	Morning View Dr	PCH	30	33	30	Restricted sight distance from vertical and horizontal road curvature
20	Heathercliff Rd	PCH	Wandermere Rd	25	--	25	Fronting Residential; Prima Facie Speed Limit
21	John Tyler Dr	Pepperdine University Entrance	PCH	NP	25	25	85th percentile speed
22	Kanan Dume Rd	North City Limit	PCH	50	49	50	85th percentile speed
23	Las Flores Canyon Rd	North City Limit	PCH	25	32	25	High collision rate and restricted sight distance from vertical and horizontal road curvature
24	Latigo Canyon Rd	North City Limit	PCH	30	37	30	Restricted sight distance from vertical and horizontal road curvature
25	Malibu Canyon Rd	North City Limit	Civic Center Way	45	50	45	Restricted sight distance from vertical and horizontal road curvature
26	Malibu Canyon Rd	Civic Center Way	PCH	45	48	45	Restricted sight distance from vertical and horizontal road curvature
27	Malibu Country Dr	John Tyler Dr (Priv.)	John Tyler Dr	NP	--	25	Fronting Residential; Prima Facie Speed Limit
28	Malibu Rd	PCH	West of Webb Way	25	--	25	Fronting Residential; Prima Facie Speed Limit
29	Malibu Rd	East of Webb Way	PCH	25	--	25	Fronting Residential; Prima Facie Speed Limit
30	Merritt Dr	Morning View Dr	Busch Dr	30	35	30	Restricted sight distance from vertical and horizontal road curvature
31	Morning View Dr	Guernsey Ave	Via Cabrillo	30	35	30	Restricted sight distance from vertical and horizontal road curvature
32	Morning View Dr	Via Cabrillo	PCH	30	29	30	85th percentile speed
33	Phillip Ave	Morning View Dr	Cuthbert Rd	NP	37	30	Restricted sight distance from vertical and horizontal road curvature
34	Rambla Vista	PCH	PCH	25	--	25	Fronting Residential; Prima Facie Speed Limit
35	Trancas Canyon Rd	North City Limit	PCH	30	37	30	Restricted sight distance from vertical and horizontal road curvature
36	Westward Beach Rd	PCH	Birdview Ave	30	28	30	85th percentile speed

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Location Number	Location Name	Limit (From)	Limit (To)	Existing Speed Limit (mph)	85th Percentile Speed (mph)	Recommended Speed Limit (mph)	Justification
37	Wildlife Rd	Zumirez Dr	Fernhill Dr	30	--	25	Fronting Residential; Prima Facie Speed Limit
38	Puerco Canyon Rd	PCH	1000' North of PCH	NP	31	25	Restricted sight distance from vertical and horizontal road curvature
39	Zumirez Dr	PCH	End	NP	--	25	Fronting Residential; Prima Facie Speed Limit
40	Rambla Pacifico	PCH	750' North of PCH	25	31	25	Restricted sight distance from vertical and horizontal road curvature
41	Bluewater Rd	Birdview Ave	Dume Dr	30	-	25	Fronting residential; Prima Facie speed limit

** Based on the 2010 Collision Data on California State Highways Manual*

3.1 Segments with Special Conditions

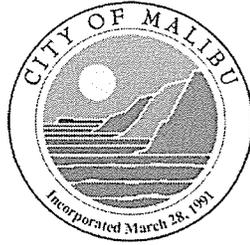
Pursuant to the 2012 California Manual on Uniform Traffic Control Devices (MUTCD) and the California Vehicle Code (CVC), the speed limit should be established at the first five-mile nearest to the 85th Percentile. The following segments surveyed have recommended speed limits that were below the first five-mile nearest to the 85th Percentile speed due to conditions not readily apparent to the driver and are justified in the Speed Survey Recommendations Table 3 of this report.

Based on segment conditions and/or high collision data, it is recommended that the speed limits be changed at the following segments:

1. Location 1 – Big Rock Drive between Cool Oak Way and Pacific Coast Highway. This segment runs in the northbound/southbound direction. The existing posted speed limit is 30 mph with one lane in each direction. ADT is 1,681 vehicles and the adjacent land use is single family residential. The 85th percentile is 32 mph which indicates a speed limit of 30 mph. Due to restricted sight distance from horizontal and vertical road curvature, a reduction of 5 mph is justified. Therefore, a speed limit of 25 mph is recommended.
2. Location 7 – Busch Drive between Merritt Drive and Pacific Coast Highway. This segment runs in the northbound/southbound direction. The existing posted speed limit is 30 mph with one lane in each direction. ADT is 2,261 vehicles and the adjacent land use consists of single family residential. The 85th is 32 mph which indicates a speed limit of 30 mph. Due to a high collision rate, a reduction of 5 mph is justified. Therefore, a speed limit of 25 mph is recommended.
3. Location 8 – Carbon Canyon Road between Carbon Mesa and Pacific Coast Highway. This segment runs northbound/southbound and has one lane in each direction. The existing posted speed limit is 30 mph. ADT is 508 vehicles and the adjacent land use consists of single family residential and a fire station. The 85th percentile is 32 mph which indicates a speed limit of 30 mph. Due to restricted sight distance from vertical and horizontal road curvature, a reduction of 5 mph is justified. Therefore, a speed limit of 25 mph is recommended.
4. Location 21 – John Tyler Drive from Pepperdine University entrance to Pacific Coast Highway. This is a northbound/southbound segment with two lanes in each direction. There is no existing speed limit posted along this segment. ADT is 4,228 vehicles and adjacent land use consists of single family residential and a university. The recommended speed limit is the 85th percentile at 25 mph.
5. Location 33 – Phillip Avenue between Morning View Drive and Cuthbert Road. This is an eastbound/westbound segment with one lane in each direction. There is no existing posted speed limit along this segment. ADT is 1,047 vehicles and adjacent land use is single family residential. The 85th percentile is 37 mph which indicates a speed limit of

35 mph. Due to restricted sight distance from horizontal and vertical road curvature, a reduction of 5 mph is justified. Therefore, a speed limit of 30 mph is recommended.

6. Location 38 – Puerco Canyon Road between Pacific Coast Highway and 1000' north of Pacific Coast Highway. This is northbound/southbound segment with one lane in each direction. There is no existing posted speed limit along this segment. ADT is 199 vehicles and adjacent land use consists of single family residential. The 85th percentile is 31 mph which indicates a speed limit of 30 mph. Due to restricted sight distance from horizontal and vertical road curvature, a reduction of 5 mph is justified. Therefore, a speed limit of 25 mph is recommended.
7. Location 40 – Rambla Pacifico between Pacific Coast Highway and 1000' north of Pacific Coast Highway. This is a northbound/southbound segment with one lane in each direction. The existing posted speed limit is 25 mph. ADT is 508 vehicles and adjacent land use is commercial. The 85th percentile is 31 mph which indicates a speed limit of 30. Due to restricted sight distance from vertical and horizontal road curvature, a reduction of 5 mph is justified. Therefore, a speed limit of 25 is recommended.



REVISED FINAL DRAFT

FOR THE

2014 ENGINEERING AND TRAFFIC SURVEY TO ESTABLISH SPEED LIMITS

April 2016

Prepared by:
Kimley»»Horn

CERTIFICATION

I, Srikanth Chakravarthy, do hereby certify that this Engineering and Traffic Survey for the City of Malibu was performed under my supervision. I certify that I am experienced in performing surveys of this type and duly registered in the State of California as a Professional Civil and Traffic Engineer.

Srikanth Chakravarthy
April 26, 2016
RCE# 73629
RTE# 2531

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1.0 INTRODUCTION

This Engineering and Traffic Survey is intended to serve as the basis for the establishment and enforcement of speed limits for street segments within the City Malibu. This survey was authorized by the City and independently conducted by the private consulting firm Kimley-Horn. The existing speed limits were established based upon the 2007 Engineering and Traffic Survey. The study includes a summary of Average Daily Traffic (ADT) and radar speed surveys at 41 locations within the city, as well as collision histories at key locations.

Engineering and traffic surveys for speed limits are conducted once every five (5) years by governing municipalities in order to comply with Section 40802(a) of the *California Vehicle Code (CVC)* and the national *Uniform Vehicle Code*. Engineering and traffic surveys may be extended to every seven (7) years or every ten (10) years if a registered engineer evaluates the section of the highway and determines that no significant changes in roadway or traffic conditions have occurred as specified in Section 40802(c) of the *California Vehicle Code (CVC)*. In addition, an engineering and traffic survey should be conducted on newly constructed roadways or roadways where the roadway conditions have significantly changed. There have been no significant changes to the roadway and traffic conditions and the existing speed limits established based upon the 2007 Engineering and Traffic Survey are set to expire in 2017

The current study will verify and recommend modifications for existing speed limits within the City of Malibu based on the data and results of this survey. This report documents the following:

- Current speed limits and speed zoning regulations
- Recent 3 year collision records
- Radar speed survey results for prevailing speeds
- Highway, traffic and roadside conditions not readily apparent to the driver; and
- Recommended speed limit changes

1.1 Regulations and Guidelines

Division 11, Chapter 7, of the 2011 California Vehicle Code defines the California Speed Laws. Section 22352 of the CVC indicates that prima facie speed limits are 15 miles per hour (mph) at unprotected railroad grade crossings, highway intersections with site restrictions, and on any alley. In addition, the prima facie speed limit is 25 mph in residential and business districts, when approaching or passing a school building or grounds thereof or when passing a senior center or other facility primarily used by senior citizens. Division 1 of the CVC defines a business district and residence district in Section 235 and 515, respectively.

“A ‘business district’ is that portion of a highway and the property contiguous thereto (a) upon one side of which highway, for a distance of 600 feet, 50 percent or more of the contiguous property fronting thereon is occupied by buildings in use for business, or (b) upon both sides of which highway, collectively, for a distance of 300 feet, 50 percent or more of the contiguous property fronting thereon is so occupied. A business district may

be longer than the distances specified in this section if the above ratio of buildings in use for business to the length of the highway exists.¹”

“A ‘residence district’ is that portion of a highway and the property contiguous thereto, other than a business district, (a) upon one side of which highway, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses or business structures, or (b) upon both sides of which highway, collectively, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures. A residence district may be longer than one-quarter of a mile if the above ratio of separate dwelling houses or business structures to the length of the highway exists.²”

Section 22357(a) permits the establishment of speed limits greater than 25 mph based on the following text:

“Whenever a local authority determines upon the basis of an engineering and traffic survey that a speed greater than 25 miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon any street other than a state highway otherwise subject to a prima facie limit of 25 miles per hour, the local authority may by ordinance determine and declare a prima facie speed limit of 30, 35, 40, 45, 50, 55, or 60 miles per hour or a maximum speed limit of 65 miles per hour, whichever is found most appropriate to facilitate the orderly movement of traffic and is reasonable and safe.³”

Therefore, the CVC allows local authorities to increase or decrease the prima facie limits by ordinance or resolution to appropriate limits as determined by an engineering and traffic survey. Posted speed limits not defined in the CVC or established by ordinance are not valid. The CVC requires that speed surveys must be performed with the use of radar or other electronic devices at locations where speed limits are to be enforced with the use of radar. The current survey must be completed within five years as specified in Section 40802(a); seven years as specified in Section 40802(c), or ten years as specified in Section 40802(c), of the date of the preceding survey. A survey allowed to expire past the valid duration of the previous survey would constitute a speed trap as defined in Sections 40802(a) and 40802(b) of the CVC:

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

(2) A particular section of a highway with a prima facie speed limit that is provided by this code or by local ordinance under subparagraph (A) of paragraph (2) of subdivision

¹ California Department of Motor Vehicles, California Vehicle Code, Division 1, Section 235, 2011.

² California Department of Motor Vehicles, California Vehicle Code, Division 1, Section 515, 2011.

³ California Department of Motor Vehicles, California Vehicle Code, Division 11, Chapter 7, Section 22357(a), 2011.

(a) of Section 22352, or established under Section 22354, 22357, 22358, or 22358.3, if that prima facie speed limit is not justified by an engineering and traffic survey conducted within five years prior to the date of the alleged violation, and enforcement of the speed limit involves the use of radar or any other electronic device that measures the speed of moving objects. This paragraph does not apply to a local street, road, or school zone.

(b) (1) For purposes of this section, a local street or road is defined by the latest functional usage and federal-aid system maps submitted to the federal Highway Administration, except that when these maps have not been submitted, or when the street or road is not shown on the maps, a “local street or road” means a street or road that primarily provides access to abutting residential property and meets the following three conditions:

- (A) Roadway width of not more than 40 feet.
- (B) Not more than one-half of a mile of uninterrupted length. Interruptions shall include official traffic control signals as defined in Section 445.
- (C) Not more than one traffic lane in each direction.

(2) For purposes of this section “school zone” means that area approaching or passing a school building or the grounds thereof that is contiguous to a highway and on which is posted a standard “SCHOOL” warning sign, while children are going to or leaving the school either during school hours or during the noon recess period. “School zone” also includes the area approaching or passing any school grounds that are not separated from the highway by a fence, gate, or other physical barrier while the grounds are in use by children if that highway is posted with a standard “SCHOOL” warning sign.⁴

1.2 Requirements and Methodology of an Engineering and Traffic Survey

Speed zones are primarily established to protect the public from the unreasonable behavior of reckless, unreliable, or otherwise dangerous drivers. Speed limits are generally established at or near the 85th percentile speed, which is defined as the speed at or below which 85 percent of traffic is moving. Speed limits established on this basis conform to the consensus of those who drive on the roadways as to what speed is reasonable and safe, and are not dependent on the judgment of one or a few individuals.

The Engineering and Traffic Survey, as defined in Section 627 of the CVC, must consider the prevailing speeds, collision records, pedestrian and bicycle activity, and roadway traffic and roadside conditions not readily apparent to the driver. Speed zones are also established to advise motorists of road conditions or hazards, which may not be readily apparent to a reasonable

⁴ California Department of Motor Vehicles, California Vehicle Code, Division 17. Chapter 2, Section 40802, 2011.

driver. For this reason, a field review of related road/traffic variables is conducted which is considered in combination with the statistical data and collision history of a particular roadway segment to determine a safe and reasonable speed limit. The specific procedures used in the performance of an Engineering and Traffic Study are outlined in the *2012 California MUTCD*. The statistical factors used to analyze the collected speed survey data and additional factors as noted in the *2012 California MUTCD* to consider are defined in the following section.

2.0 SPEED SURVEY EVALUATION

Forty-one (41) locations were evaluated by Kimley-Horn and included in this report. These roadway sections and limits of the sections are listed in Table 1. See **Figure 1** in Appendix B for the location of the project segments.

Table 1: Survey Locations and Limits

Location Number	Location Name	Limits (From)	Limits (To)
1	Big Rock Drive	Cool Oak Way	PCH (Pacific Coast Highway)
2	Birdview Avenue	Westward Beach	Cliffside Drive
3	Boniface Drive	Portshhead Road	Fernhill Drive
4	Portshhead Road	Pacific Coast Highway	Boniface Drive
5	Broad Beach Road	Pacific Coast Highway	Pacific Coast Highway
6	Busch Drive	Calpine Drive	Merritt Drive
7	Busch Drive	Merritt Drive	Pacific Coast Highway
8	Carbon Canyon Road	Carbon Mesa	Pacific Coast Highway
9	Carbon Mesa	End	Carbon Canyon Road
10	Civic Center Way	Malibu Canyon Road	Webb Way
11	Civic Center Way	Webb Way	Cross Creek Road
12	Cliffside Drive	Birdview Avenue	Fernhill Drive
13	Corral Canyon Road	City Limit	Pacific Coast Highway
14	Cross Creek Road	Civic Center Way	Pacific Coast Highway
15	Dume Drive	Heathercliff Road	Cliffside Drive
16	Encinal Canyon Road	North City Limit	Pacific Coast Highway
17	Fernhill Drive	Grayfox Street	Cliffside Drive
18	Fernhill Drive	Wildlife Road	Grayfox Street
19	Guernsey Avenue	Morning View Drive	Pacific Coast Highway
20	Heathercliff Road	Pacific Coast Highway	Wandermere Road
21	John Tyler Drive	Pepperdine University Entrance	Pacific Coast Highway
22	Kanan Dume Road	North City Limit	Pacific Coast Highway
23	Las Flores Canyon Road	North City Limit	Pacific Coast Highway
24	Latigo Canyon Road	North City Limit	Pacific Coast Highway
25	Malibu Canyon Road	North City Limit	Civic Center Way

Location Number	Location Name	Limits (From)	Limits (To)
26	Malibu Canyon Road	Civic Center Way	Pacific Coast Highway
27	Malibu Country Drive	John Tyler Drive (Private)	John Tyler Drive
28	Malibu Road	Pacific Coast Highway	Webb Way (west of)
29	Malibu Road	Webb Way (east of)	Pacific Coast Highway
30	Merritt Drive	Morning View Drive	Busch Drive
31	Morning View Drive	Guernsey Avenue	Via Cabrillo
32	Morning View Drive	Via Cabrillo	Pacific Coast Highway
33	Philip Avenue	Morning View Drive	Cuthbert Road
34	Rambla Vista	Pacific Coast Highway	Pacific Coast Highway
35	Trancas Canyon Road	North City Limit	Pacific Coast Highway
36	Westward Beach Road	Pacific Coast Highway	Birdview Avenue
37	Wildlife Road	Zumirez Drive	Fernhill Drive
38	Puerco Canyon Road	Pacific Coast Highway	1000' North of Pacific Coast Highway
39	Zumirez Drive	Pacific Coast Highway	End
40	Rambla Pacifico	Pacific Coast Highway	750' North of Pacific Coast Highway
41	Bluewater Road	Birdview Avenue	Dume Drive

2.1 Field Review

Speed data was collected using manual radar surveys and were performed by a sub-consultant to Kimley-Horn, National Data and Surveying Services (NDS), at 41 locations during “off-peak” hours on a weekday (Monday through Friday). NDS also collected the ADT data for the 41 project locations during a Weekday (Tuesday, Wednesday or Thursday). The radar surveys and ADT counts were collected in March 2014 and June 2014.

Each of the radar speed checks were made from an inconspicuously parked, unmarked vehicle. An effort was made to ensure that the presence of the vehicle in no way affected the speed of the traffic being surveyed. Field information from these speed surveys and other roadway characteristics were recorded on field data forms and later coded into spreadsheet based software for analysis purposes. Chapter 2B of the *2012 California MUTCD* indicates that it is desirable to have a minimum sample of 100 vehicles for a speed zone survey for an arterial street. This may result in excessive survey periods for low volume roadways, and therefore speed samples were collected during a maximum period of 2 hours for low volume roadways.

Examples of the field data collected for the purposes of analyzing related roadway characteristics as they pertain to the determination of appropriate speed limits are listed below. The results of the field review for related roadway and traffic variables of specific street segments are summarized in the Engineering and Traffic Survey forms included in **Appendix C**.

1. Segment length, width and alignment;
2. Level of pedestrian and bicycle activity;
3. Traffic flow characteristics;
4. Number of lanes and other channelization/striping factors;
5. Frequency of intersections, driveways, on-street parking, bike lanes;
6. Locations of stop signs, traffic signals, and other regulatory traffic control devices;
7. Roadway condition, bumps and dips;
8. Land use and proximity of schools, parks/recreation areas and senior centers;
9. Uniformity with existing speed zones; and,
10. Any other unusual conditions or hazards not readily apparent to the driver.

2.2 Statistical Analysis Factors

Significant factors used to analyze the collected survey data are summarized below:

1. **85th Percentile Speed.** The Critical Speed, or the 85th percentile speed, is defined as that speed at or below which 85 percent of the traffic is moving. This factor is the primary guide in determining what speeds the majority of safe and reasonable drivers are traveling. Therefore, the practice is to set the speed limit to the nearest 5 mph increment from the critical speed unless other factors require a lower limit. Speed limits set on this basis provide law enforcement officials with a means of controlling reckless or unreliable drivers who will not conform to what the majority finds reasonable.
2. **The 10-mph Pace.** The 10-mph Pace is the 10-mph increment range, which contains the largest number of recorded vehicles. The pace is a measure of the dispersion of speeds within the sample surveyed. Speed limits should normally be set to fall within the 10-mph pace. However, conditions not readily apparent to the driver or adhering to State mandated limits such as in Residence Districts may require setting speed limits below the 10-mph pace.
3. **50th Percentile Speed.** The Median Speed, or 50th Percentile Speed, represents the mid-point value within the range of recorded speeds for a particular roadway location. In other words, 50 percent of the vehicles travel faster than and 50 percent travel slower than, the median speed. This value is another measure of the central tendency of the vehicle speed distribution. Typically speed limits should not be set below the 50th Percentile Speed, since it would result in greater than 50-percent of the drivers exceeding the speed limit.

4. **15th Percentile Speed.** The 15th Percentile Speed is that speed at or below which 15 percent of the vehicles are traveling. This value is important in determining the minimum allowable speed limit, given that the vehicles traveling below this speed tend to obstruct the flow of traffic, thereby increasing the collision potential.

5. **Percent of Vehicles in Pace Speed.** The percent of vehicles in the 10-mph pace speed is an indication of the grouping of vehicular speeds. Ideally, if all vehicles were traveling at or about the same speed, there would be a reduced likelihood of vehicular collisions. In speed limit analysis, the higher the percent of vehicles within the pace speed, the more favorable the speed distribution. The percent of vehicles within the 10-mph pace is often between 60 and 90 percent.

2.3 Collision History

The Engineering and Traffic Survey forms summarize the recent collision information for each of the street segments. The collision information was obtained from the California Statewide Integrated Traffic Records System (SWITRS) Report by the City of Malibu from October 1st, 2010 to October 31, 2013. The collisions were reviewed and corridor related collisions (those not related to signalized intersections) were summarized for each segment by Kimley-Horn. Based upon the number of total collisions studied over the 3 year period and ADT counts, a collision rate per million vehicle miles was calculated for each segment. To provide a general comparison of the collision rates on the segments to expected collisions rates for similar types of local roadways, the collision rates for each segment were compared to the statewide average rate listed in the 2009 Collision Data on California State Highways as listed in Table 2 (road miles, travel, collisions, collision rates) as listed in Table 2.

**Table 2: 2010 California State Highways Collision Rates Based on
Accident Data for the years 2010 through 2013**

Highway Type	Area	Design Speed	Base Rate
Conventional 2 Lanes or Less	Suburban	<45 mph	2.55
Conventional 2 Lanes or Less	Suburban	45-55 mph	1.55
Conventional 3 Lanes	Suburban	-	1.30
Undivided 4 Lanes	Suburban	≤55	2.00
Divided 4 Lanes	Suburban	≤55	1.60

3.0 RESULTS AND RECOMMENDATIONS

The recommendations contained in this report are intended to establish prima facie speed limits. Prima facie limits attempt to advise the motorist and enforcement officers of the reasonable speed for a particular section of roadway for the prevailing conditions. In many cases, the recommendations made produce a uniform speed limit along the road. As a result, the speed limits in adjacent jurisdictions were considered as well as along the various street segments surveyed within the City of Malibu.

Figure 2 included in Appendix B illustrates the existing speed limit and **Figure 3** in Appendix B illustrate the recommended speed limit for each project segment.

The Engineering and Traffic Survey Forms, presented in **Appendix C**, illustrate the results of an evaluation of the available data and indicate a recommended speed limit for each of the street segments surveyed. A summary of the data analysis, along with recommended speed limits can be found in **Table 3** followed by descriptions of the recommendations for each roadway segment with special conditions.

Table 3: Speed Survey Recommendations

Location Number	Location Name	Limit (From)	Limit (To)	Existing Speed Limit (mph)	85th Percentile Speed (mph)	Recommended Speed Limit (mph)	Justification
1	Big Rock Dr	Cool Oak Way	PCH	30	32	25	Restricted sight distance from horizontal and vertical road curvature
2	Birdview Ave	Westward Beach	Cliffside Dr	25	-	25	Fronting residential; Prima Facie speed limit
3	Boniface Dr	Portshead Rd	Fernhill Dr	25	-	25	Fronting residential; Prima Facie speed limit
4	Portshead Rd	PCH	Boniface Dr	25	-	25	Fronting residential; Prima Facie speed limit
5	Broad Beach Rd	PCH	PCH	25	-	25	Fronting residential; Prima Facie speed limit
6	Busch Dr	Calpine Dr	Merritt Dr	30	36	30	Restricted sight distance from horizontal road curvature
7	Busch Dr	Merritt Dr	PCH	30	32	25	High collision rate and restricted sight distance from vertical and horizontal road curvature
8	Carbon Canyon Rd	Carbon Mesa	PCH	30	32	25	Restricted sight distance from vertical and horizontal road curvature
9	Carbon Mesa	End	Carbon Canyon Rd	25	31	25	Restricted sight distance from vertical road curvature
10	Civic Center Way	Malibu Canyon Rd	Webb Way	40	46	40	Restricted sight distance from horizontal road curvature, residential density and no sidewalks
11	Civic Center Way	Webb Way	Cross Creek Rd	25	31	25	High pedestrian activity
12	Cliffside Dr	Birdview Ave	Fernhill Dr	30	--	25	Fronting Residential; Prima Facie Speed Limit
13	Corral Canyon Rd	City Limit	PCH	30	36	30	Restricted sight distance from vertical and horizontal road curvature
14	Cross Creek Rd	Civic Center Way	PCH	25	22	25	85th percentile speed
15	Dume Dr	Heathercliff Rd	Cliffside Dr	30	36	30	Restricted sight distance from vertical and horizontal road curvature
16	Encinal Canyon Rd	North City Limit	PCH	45	49	45	Restricted sight distance from vertical and horizontal road curvature
17	Fernhill Dr	Grayfox Street	Cliffside Dr	25	--	25	Fronting Residential; Prima Facie Speed Limit
18	Fernhill Dr	Wildlife Rd	Grayfox Street	25	28	25	Restricted sight distance from vertical road curvature

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Location Number	Location Name	Limit (From)	Limit (To)	Existing Speed Limit (mph)	85th Percentile Speed (mph)	Recommended Speed Limit (mph)	Justification
19	Guernsey Ave	Morning View Dr	PCH	30	33	30	Restricted sight distance from vertical and horizontal road curvature
20	Heathercliff Rd	PCH	Wandermere Rd	25	--	25	Fronting Residential; Prima Facie Speed Limit
21	John Tyler Dr	Pepperdine University Entrance	PCH	NP	25	25	85th percentile speed
22	Kanan Dume Rd	North City Limit	PCH	50	49	50	85th percentile speed
23	Las Flores Canyon Rd	North City Limit	PCH	25	32	25	High collision rate and restricted sight distance from vertical and horizontal road curvature
24	Latigo Canyon Rd	North City Limit	PCH	30	37	30	Restricted sight distance from vertical and horizontal road curvature
25	Malibu Canyon Rd	North City Limit	Civic Center Way	45	50	45	Restricted sight distance from vertical and horizontal road curvature
26	Malibu Canyon Rd	Civic Center Way	PCH	45	48	45	Restricted sight distance from vertical and horizontal road curvature
27	Malibu Country Dr	John Tyler Dr (Priv.)	John Tyler Dr	NP	--	25	Fronting Residential; Prima Facie Speed Limit
28	Malibu Rd	PCH	West of Webb Way	25	--	25	Fronting Residential; Prima Facie Speed Limit
29	Malibu Rd	East of Webb Way	PCH	25	--	25	Fronting Residential; Prima Facie Speed Limit
30	Merritt Dr	Morning View Dr	Busch Dr	30	35	30	Restricted sight distance from vertical and horizontal road curvature
31	Morning View Dr	Guernsey Ave	Via Cabrillo	30	35	30	Restricted sight distance from vertical and horizontal road curvature
32	Morning View Dr	Via Cabrillo	PCH	30	29	30	85th percentile speed
33	Phillip Ave	Morning View Dr	Cuthbert Rd	NP	37	30	Restricted sight distance from vertical and horizontal road curvature
34	Rambla Vista	PCH	PCH	25	--	25	Fronting Residential; Prima Facie Speed Limit
35	Trancas Canyon Rd	North City Limit	PCH	30	37	30	Restricted sight distance from vertical and horizontal road curvature
36	Westward Beach Rd	PCH	Birdview Ave	30	28	30	85th percentile speed

Location Number	Location Name	Limit (From)	Limit (To)	Existing Speed Limit (mph)	85th Percentile Speed (mph)	Recommended Speed Limit (mph)	Justification
37	Wildlife Rd	Zumirez Dr	Fernhill Dr	30	--	25	Fronting Residential; Prima Facie Speed Limit
38	Puerco Canyon Rd	PCH	1000' North of PCH	NP	31	25	Restricted sight distance from vertical and horizontal road curvature
39	Zumirez Dr	PCH	End	NP	--	25	Fronting Residential; Prima Facie Speed Limit
40	Rambla Pacifico	PCH	750' North of PCH	25	31	25	Restricted sight distance from vertical and horizontal road curvature
41	Bluewater Rd	Birdview Ave	Dume Dr	30	-	25	Fronting residential; Prima Facie speed limit

** Based on the 2010 Collision Data on California State Highways Manual*

3.1 Segments with Special Conditions

Pursuant to the 2012 California Manual on Uniform Traffic Control Devices (MUTCD) and the California Vehicle Code (CVC), the speed limit should be established at the first five-mile nearest to the 85th Percentile. The following segments surveyed have recommended speed limits that were below the first five-mile nearest to the 85th Percentile speed due to conditions not readily apparent to the driver and are justified in the Speed Survey Recommendations Table 3 of this report.

Based on segment conditions and/or high collision data, it is recommended that the speed limits be changed at the following segments:

1. Location 1 – Big Rock Drive between Cool Oak Way and Pacific Coast Highway. This segment runs in the northbound/southbound direction. The existing posted speed limit is 30 mph with one lane in each direction. ADT is 1,681 vehicles and the adjacent land use is single family residential. The 85th percentile is 32 mph which indicates a speed limit of 30 mph. Due to restricted sight distance from horizontal and vertical road curvature, a reduction of 5 mph is justified. Therefore, a speed limit of 25 mph is recommended.
2. Location 7 – Busch Drive between Merritt Drive and Pacific Coast Highway. This segment runs in the northbound/southbound direction. The existing posted speed limit is 30 mph with one lane in each direction. ADT is 2,261 vehicles and the adjacent land use consists of single family residential. The 85th is 32 mph which indicates a speed limit of 30 mph. Due to a high collision rate, a reduction of 5 mph is justified. Therefore, a speed limit of 25 mph is recommended.
3. Location 8 – Carbon Canyon Road between Carbon Mesa and Pacific Coast Highway. This segment runs northbound/southbound and has one lane in each direction. The existing posted speed limit is 30 mph. ADT is 508 vehicles and the adjacent land use consists of single family residential and a fire station. The 85th percentile is 32 mph which indicates a speed limit of 30 mph. Due to restricted sight distance from vertical and horizontal road curvature, a reduction of 5 mph is justified. Therefore, a speed limit of 25 mph is recommended.
4. Location 21 – John Tyler Drive from Pepperdine University entrance to Pacific Coast Highway. This is a northbound/southbound segment with two lanes in each direction. There is no existing speed limit posted along this segment. ADT is 4,228 vehicles and adjacent land use consists of single family residential and a university. The recommended speed limit is the 85th percentile at 25 mph.
5. Location 33 – Phillip Avenue between Morning View Drive and Cuthbert Road. This is an eastbound/westbound segment with one lane in each direction. There is no existing posted speed limit along this segment. ADT is 1,047 vehicles and adjacent land use is single family residential. The 85th percentile is 37 mph which indicates a speed limit of

35 mph. Due to restricted sight distance from horizontal and vertical road curvature, a reduction of 5 mph is justified. Therefore, a speed limit of 30 mph is recommended.

6. Location 38 – Puerco Canyon Road between Pacific Coast Highway and 1000' north of Pacific Coast Highway. This is northbound/southbound segment with one lane in each direction. There is no existing posted speed limit along this segment. ADT is 199 vehicles and adjacent land use consists of single family residential. The 85th percentile is 31 mph which indicates a speed limit of 30 mph. Due to restricted sight distance from horizontal and vertical road curvature, a reduction of 5 mph is justified. Therefore, a speed limit of 25 mph is recommended.
7. Location 40 – Rambla Pacifico between Pacific Coast Highway and 1000' north of Pacific Coast Highway. This is a northbound/southbound segment with one lane in each direction. The existing posted speed limit is 25 mph. ADT is 508 vehicles and adjacent land use is commercial. The 85th percentile is 31 mph which indicates a speed limit of 30. Due to restricted sight distance from vertical and horizontal road curvature, a reduction of 5 mph is justified. Therefore, a speed limit of 25 is recommended.

APPENDIX "A"
SPEED RADAR CERTIFICATIONS



TRAFFIC RADAR CERTIFICATION

TESTED TO NHTSA SPECIFICATIONS / IACP CRITICAL PERFORMANCE STANDARDS
 (NHTSA) National Highway and Traffic Safety Administration.
 (IACP) International Association of Chiefs of Police.

16202 Keats Circle
 Westminster, Calif. 92683

R.H.F. is a certified independent testing and repair facility.

1	TEST ID	Date Received <i>6-21-13</i>	Certification Number <i>65020</i>								
2	DEVICE ID	Manufacturer <i>MPH</i>	Model: <i>K-15</i>	Type (I-IV) <i>III</i>	Directional radar <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Same direction <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
		Counting unit S/N <i>1499</i>	Antenna-1 S/N <i>N/A</i>	Antenna-2 S/N <i>N/A</i>							
3	§ 2.4 / § 5.4 TUNING FORK CALIBRATION	Low speed fork S/N <i>1214</i>	Last date calib.	Freq. (Hz)	Speed (mph) <i>35</i>	Measured (Hz) <i>2511</i>	PASS	FAIL			
		High speed fork S/N	Last date calib.	Freq. (Hz)	Speed (mph)	Measured (Hz)					
4	§ 2.5 / § 5.5 RADAR DEVICE TUNING FORK TESTS	Stationary mode		Lo fork		High fork		PASS	FAIL		
		Fork speed (mph)		<i>35</i>		<i>65</i>					
		Disp. Speed (mph)		<i>35</i>		<i>65</i>					
		Moving mode Opposite Direction		TARGET SPEED (Hi fork - Lo fork)	Expected. (mph) <i>N/A</i>	Displayed. (mph) <i>N/A</i>					
Moving mode Same Direction		TARGET SPEED Hi fork + Lo fork Ho fork - Lo fork	Expected. (mph) <i>N/A</i>	Displayed. (mph) <i>N/A</i>							
5	§ 2.6.1. / § 5.6.1 TRANSMISSION FREQUENCY STABILITY	Standard supply Voltage (V) <i>13.6 V</i>	Antenna 1 Freq. GHz <i>24.153</i>	Antenna 2 Freq. GHz <i>N/A</i>	PASS	FAIL					
		Standard supply Voltage - 20% (V) <i>10.8 V</i>	Antenna 1 Freq. GHz <i>24.153</i>	Antenna 2 Freq. GHz <i>N/A</i>							
		Standard supply voltage + 20% (V) <i>16.3 V</i>	Antenna 1 Freq. GHz <i>24.153</i>	Antenna 2 Freq. GHz <i>N/A</i>							
6	§ 2.6.5 / § 5.6.5 POWER DENSITY	Mfg. Spec. (max mW/cm) ≤ 5	Antenna 1 Power (mW/cm) <i>.3</i>	Antenna 2 Power (mW/cm) <i>N/A</i>	PASS	FAIL					
7	§ 2.8 / § 5.8 LOW VOLTAGE	Mfg. spec. (V) $\leq 10.8V$	LVA activates (V) <i>N/A</i>	LVA deactivates (V) <i>N/A</i>	PASS	FAIL					
8	§ 2.9.1 / § 5.9.1 DOPPLER AUDIO	A. Audio tone correlates with received Doppler signal		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		PASS	FAIL				
B. Functioning audio volume-adjustment control		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
9	§ 2.12.4 / § 5.12.4 INTERNAL CIRCUIT	Mfg. Spec. <i>32</i>	Test results <i>32</i>	PASS		FAIL					
10	§ 2.12.6.5 / § 5.12.6.5 DIRECTIONAL	A. Selects only targets moving towards radar		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A.		PASS	FAIL				
B. Selects only targets moving away from radar		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A.									
11	§ 2.12.7 / § 2.12.8 / 5.12.7 / 5.12.8 LOW AND HIGH SPEED DISPLAY TEST	Stationary mode: target channel (mph)		Low speed spec. <i>20</i>	Lo speed disp. <i>20</i>	PASS	FAIL				
				Hi speed spec. <i>199</i>	Hi speed disp. <i>199</i>						
		Moving Mode target channel (mph)		Low speed spec. <i>N/A</i>	Lo speed disp. <i>N/A</i>						
				Hi speed spec. <i>N/A</i>	Hi speed disp. <i>N/A</i>						
		Moving Mode: patrol channel (mph)		Low speed spec. <i>N/A</i>	Lo speed disp. <i>N/A</i>						
				Hi speed spec. <i>N/A</i>	Hi speed disp. <i>N/A</i>						
12	§ 2.13 / § 5.13 RFI TEST	<i>N/A</i>				PASS	FAIL				
13	LABORATORY COMMENTS										
14	NHTSA/IACP CERTIFICATION	<i>This radar device meets or exceeds the minimal operational standards of the National Traffic Highway Safety Administration. California Vehicle Code Section 40802</i>								<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL	
		Certified by: <i>Ford Bauman</i>				Date: <i>6-21-13</i>					
15	INVENTORY	<input type="checkbox"/> Fork Cert <input type="checkbox"/> Manual <input type="checkbox"/> 2 nd Ant. <input type="checkbox"/> Remote <input type="checkbox"/> Bat. <input type="checkbox"/> Carrying Case Other: (please list)									



TRAFFIC RADAR CERTIFICATION

TESTED TO NHTSA SPECIFICATIONS / IACP CRITICAL PERFORMANCE STANDARDS
 (NHTSA) National Highway and Traffic Safety Administration.
 (IACP) International Association of Chiefs of Police.

16202 Keats Circle
 Westminster, Calif. 92683

R.H.F. is a certified independent testing and repair facility.

1	TEST ID	Date Received 12-16-13	Certification Number 65947					
2	DEVICE ID	Manufacturer ASTRO PRODUCTS	Model: PHANTOM	Type (I-IV) III	Directional radar Yes / No			
		Counting unit S/N 1618	Antenna-1 S/N N/A	Antenna-2 S/N N/A	Same direction Yes / No			
3	§ 2.4 / § 5.4 TUNING FORK CALIBRATION	Low speed fork S/N	Last date calib.	Freq. (Hz)	Speed (mph)	Measured (Hz)	(PASS)	FAIL
		High speed fork S/N 1618 TP	Last date calib.	Freq. (Hz)	Speed (mph) 55	Measured (Hz) 3982		
4	§ 2.5 / § 5.5 RADAR DEVICE TUNING FORK TESTS	Stationary mode		Lo fork	High fork	(PASS)	FAIL	
		Fork speed (mph)	35	65				
		Disp. Speed (mph)	35	65				
		Moving mode Opposite Direction	TARGET SPEED (Hi fork - Lo fork)	Expected. (mph) N/A	Displayed. (mph) N/A			
Moving mode Same Direction	TARGET SPEED Hi fork + Lo fork Ho fork - Lo fork	Expected. (mph) N/A	Displayed. (mph) N/A					
5	§ 2.6.1 / § 5.6.1 TRANSMISSION FREQUENCY STABILITY	Standard supply Voltage (V) 13.6 V	Antenna 1 Freq. GHz 24.154	Antenna 2 Freq. GHz N/A	(PASS)	FAIL		
		Standard supply Voltage - 20% (V) 10.8 V	Antenna 1 Freq. GHz 24.154	Antenna 2 Freq. GHz N/A				
		Standard supply voltage + 20% (V) 16.3 V	Antenna 1 Freq. GHz 24.154	Antenna 2 Freq. GHz N/A				
6	§ 2.6.5 / § 5.6.5 POWER DENSITY	Mfg. Spec. (max mW/cm) ≤ 5	Antenna 1 Power (mW/cm) .5	Antenna 2 Power (mW/cm) N/A	(PASS)	FAIL		
7	§ 2.8 / § 5.8 LOW VOLTAGE	Mfg. spec. (V) ≤ 10.8V	LVA activates (V) 7.5	LVA deactivates (V) 8.2	(PASS)	FAIL		
8	§ 2.9.1 / § 5.9.1 DOPPLER AUDIO	A. Audio tone correlates with received Doppler signal B. Functioning audio volume-adjustment control		Yes / No Yes / No	(PASS)	FAIL		
9	§ 2.12.4 / § 5.12.4 INTERNAL CIRCUIT	Mfg. Spec. 60	Test results 60		(PASS)	FAIL		
10	§ 2.12.6.5 / § 5.12.6.5 DIRECTIONAL	A. Selects only targets moving towards radar B. Selects only targets moving away from radar		Yes / No Yes / No	PASS	FAIL		
11	§ 2.12.7 / § 2.12.8 / 5.12.7 / 5.12.8 LOW AND HIGH SPEED DISPLAY TEST	Stationary mode: target channel (mph)		Low speed spec. 20	Lo speed disp. 20	(PASS)	FAIL	
		Moving Mode target channel (mph)		Hi speed spec. 199	Hi speed disp. 199			
		Moving Mode: patrol channel (mph)		Low speed spec. N/A	Lo speed disp. N/A			
				Hi speed spec. N/A	Hi speed disp. N/A			
12	§ 2.13 / § 5.13 RFI TEST					(PASS)	FAIL	
13	LABORATORY COMMENTS							
14	NHTSA/IACP CERTIFICATION	This radar device meets or exceeds the minimal operational standards of the National Traffic Highway Safety Administration. California Vehicle Code Section 40802					<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL	
		Certified by: Ford Bauman			Date: 12-16-13			
15	INVENTORY	Fork Cert	Manual	2 nd Ant.	Remote	Bat.		
		Carrying Case	Other: (please list)					



TRAFFIC RADAR CERTIFICATION

TESTED TO NHTSA SPECIFICATIONS / IACP CRITICAL PERFORMANCE STANDARDS
 (NHTSA) National Highway and Traffic Safety Administration.
 (IACP) International Association of Chiefs of Police.

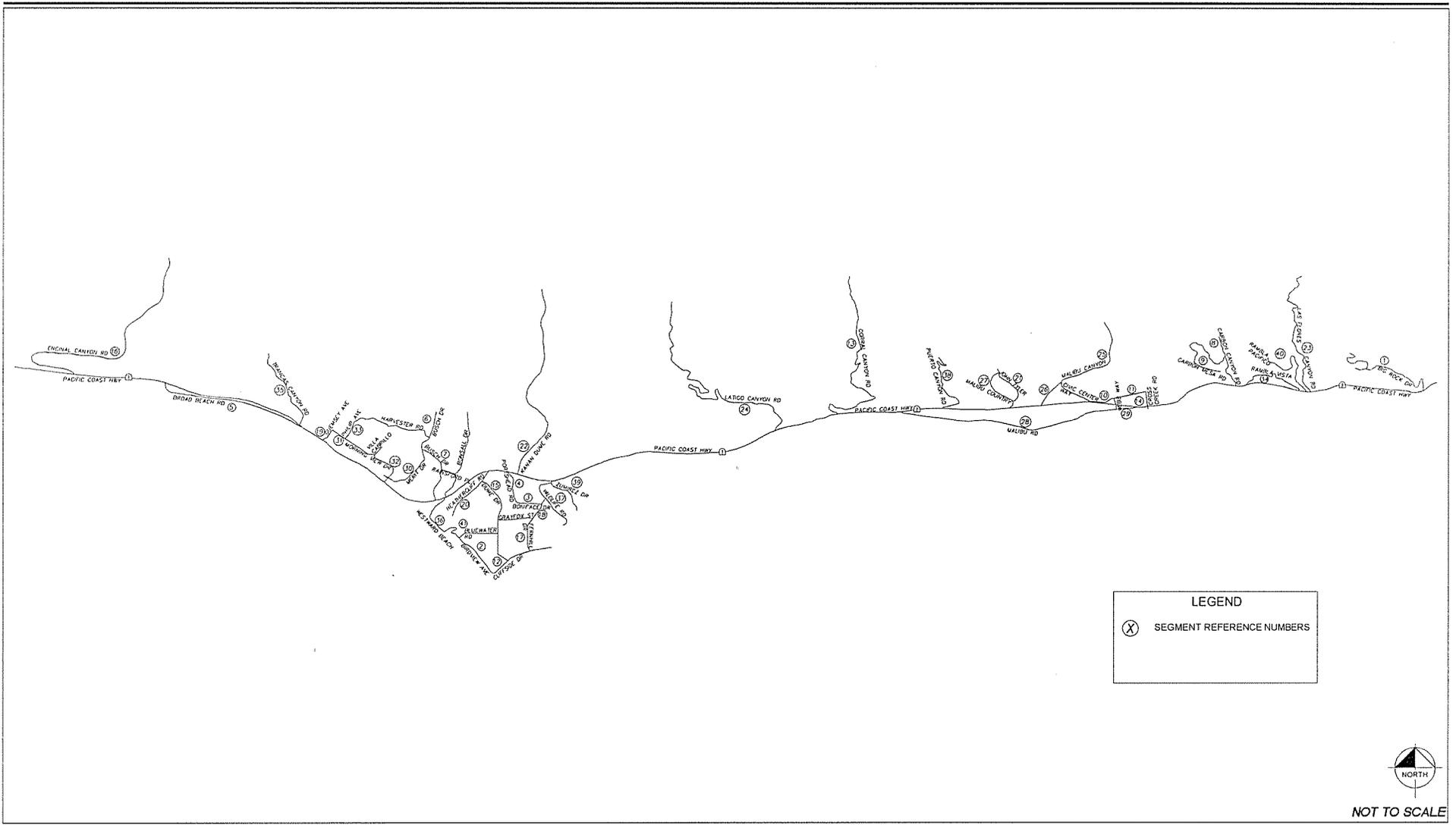
16202 Keats Circle
 Westminster, Calif. 92683

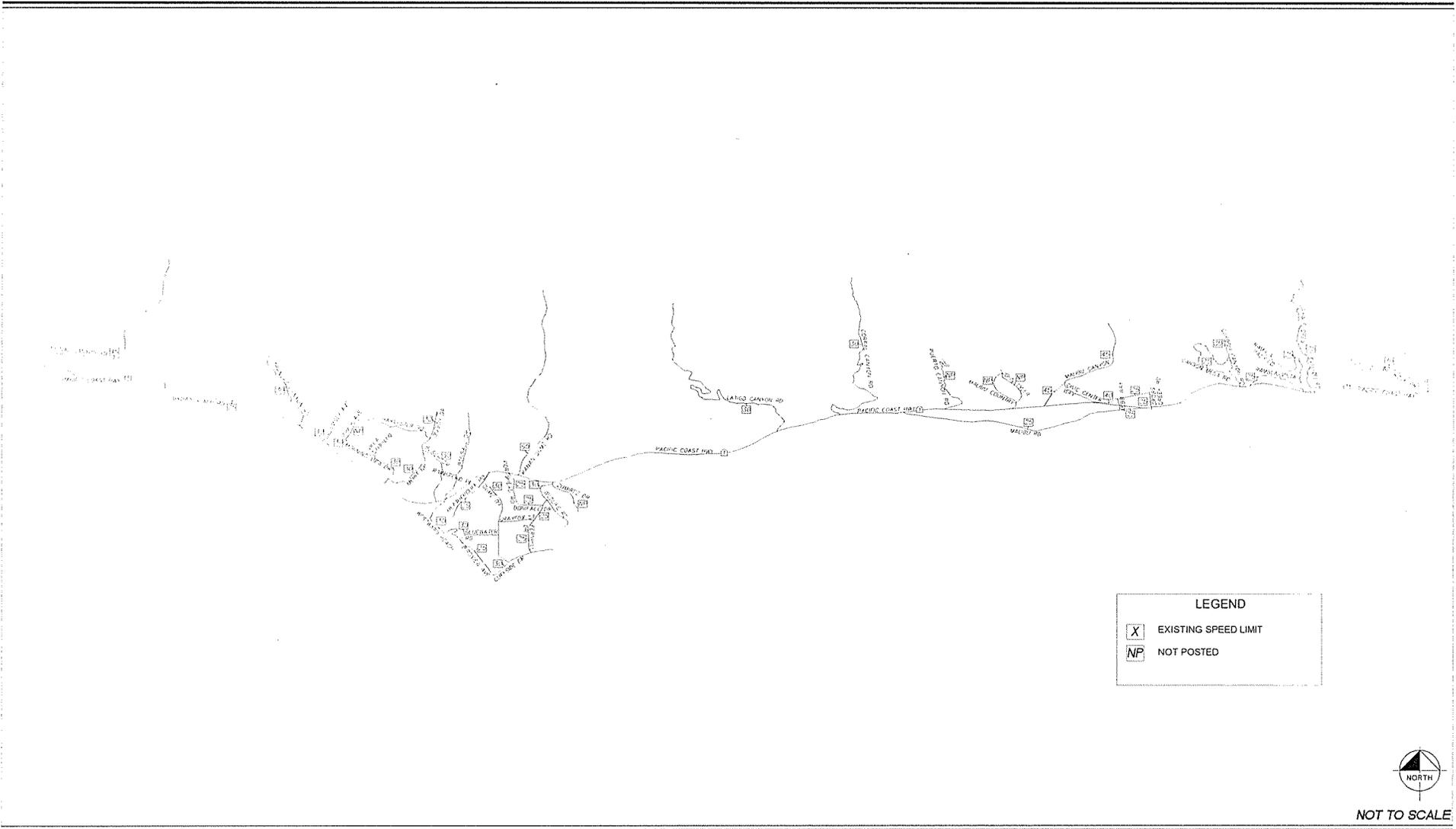
R.H.F. is a certified independent testing and repair facility.

1	TEST ID	Date Received <i>12-16-13</i>	Certification Number <i>65948</i>					
2	DEVICE ID	Manufacturer <i>ASTRO PRODUCTS</i>	Model: <i>PHANTOM</i>	Type (I-IV) <i>III</i>	Directional radar Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Same direction Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
		Counting unit S/N <i>1619</i>	Antenna-1 S/N <i>N/A</i>	Antenna-2 S/N <i>N/A</i>				
3	§ 2.4 / § 5.4 TUNING FORK CALIBRATION	Low speed fork S/N	Last date calib.	Freq. (Hz)	Speed (mph)	Measured (Hz)	PASS	FAIL
		High speed fork S/N <i>1619TE</i>	Last date calib.	Freq. (Hz)	Speed (mph) <i>35</i>	Measured (Hz) <i>3979</i>		
4	§ 2.5 / § 5.5 RADAR DEVICE TUNING FORK TESTS			Lo fork	Hi fork		PASS	FAIL
		Stationary mode	Fork speed (mph)	<i>35</i>	<i>65</i>			
			Disp. Speed (mph)	<i>35</i>	<i>65</i>			
		Moving mode Opposite Direction	TARGET SPEED (Hi fork - Lo fork)	Expected: (mph)	<i>N/A</i>			
Moving mode Same Direction	TARGET SPEED Hi fork + Lo fork Ho fork - Lo fork		Expected: (mph)	<i>N/A</i>		Displayed: (mph)	<i>N/A</i>	
5	§ 2.6.1. / § 5.6.1 TRANSMISSION FREQUENCY STABILITY	Standard supply Voltage (V) <i>13.6 V</i>	Antenna 1 Freq. GHz <i>24.163</i>	Antenna 2 Freq. GHz <i>N/A</i>	PASS	FAIL		
		Standard supply Voltage - 20% (V) <i>10.8 V</i>	Antenna 1 Freq. GHz <i>24.163</i>	Antenna 2 Freq. GHz <i>N/A</i>				
		Standard supply voltage + 20% (V) <i>16.3 V</i>	Antenna 1 Freq. GHz <i>24.163</i>	Antenna 2 Freq. GHz <i>N/A</i>				
6	§ 2.6.5 / § 5.6.5 POWER DENSITY	Mfg. Spec. (max mW/cm) ≤ 5	Antenna 1 Power (mW/cm) <i>.4</i>	Antenna 2 Power (mW/cm) <i>N/A</i>	PASS	FAIL		
7	§ 2.8 / § 5.8 LOW VOLTAGE	Mfg. spec. (V) $\leq 10.8V$	I.VA activates (V) <i>7.9</i>	I.VA deactivates (V) <i>8.5</i>	PASS	FAIL		
8	§ 2.9.1 / § 5.9.1 DOPPLER AUDIO	A. Audio tone correlates with received Doppler signal		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	PASS	FAIL		
		B. Functioning audio volume-adjustment control		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
9	§ 2.12.4 / § 5.12.4 INTERNAL CIRCUIT	Mfg. Spec.	<i>60</i>	Test results	<i>60</i>	PASS	FAIL	
10	§ 2.12.6.5 / § 5.12.6.5 DIRECTIONAL.	A. Selects only targets moving towards radar		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A.	PASS	FAIL		
		B. Selects only targets moving away from radar		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A.				
11	§ 2.12.7 / § 2.12.8 / 5.12.7 / 5.12.8 LOW AND HIGH SPEED DISPLAY TEST	Stationary mode: target channel (mph)	Low speed spec. <i>20</i>	Lo speed disp. <i>20</i>	PASS	FAIL		
			Hi speed spec. <i>199</i>	Hi speed disp. <i>199</i>				
		Moving Mode target channel (mph)	Low speed spec. <i>N/A</i>	Lo speed disp. <i>N/A</i>				
			Hi speed spec. <i>N/A</i>	Hi speed disp. <i>N/A</i>				
Moving Mode: patrol channel (mph)	Low speed spec. <i>N/A</i>	Lo speed disp. <i>N/A</i>						
	Hi speed spec. <i>N/A</i>	Hi speed disp. <i>N/A</i>						
12	§ 2.13 / § 5.13 RFI TEST					PASS	FAIL	
13	LABORATORY COMMENTS							
14	NHTSA/IACP CERTIFICATION	This radar device meets or exceeds the minimal operational standards of the National Traffic Highway Safety Administration. California Vehicle Code Section 40802					<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL	
		Certified by: <i>Fred Bauman</i>		Date: <i>12-16-13</i>				
15	INVENTORY	Fork Cert	Manual	2 nd Ant.	Remote	Bat.		
		Carrying Case	Other: (please list)					

APPENDIX "B"

FIGURES





LEGEND

X	EXISTING SPEED LIMIT
NP	NOT POSTED



NOT TO SCALE

FIGURE 2 - EXISTING SPEED LIMITS
CITY WIDE SPEED LIMIT STUDY
City of Malibu

APPENDIX "C"
ENGINEERING AND TRAFFIC SURVEY FORMS

CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

1

STREET	BIG ROCK DRIVE	CERTIFICATION DATE:	4/21/2015
FROM	Cool Oak Way	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/11/2014	Posted Speed Limit	30 mph
Time of Speed Survey	9:00 am to 12:00 p.m.	Speed Justification	
50th Percentile Speed (Mean Speed)	27	85th percentile speed downgraded due to restricted sight distance from horizontal and vertical road curvature	
85th Percentile Speed	32		
10 mph Pace Speed	29-38		
Percentage of Vehicles in Pace	75.6%	Recommended Speed Limit	<u>25 mph</u>
Number of Survey Samples	160		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	1
Collision Rate (ACC/MVM)	0.55
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	1,681	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Signalized at Pacific Coast Highway; stop-controlled at other intersections		
Crosswalks?	Only at Pacific Coast Highway		
Pedestrian Traffic	Minimal		
Truck Traffic	None present		
On-Street Parking	No		
Sidewalks?	No		
Driveways?	Some driveways along segment		

ROADWAY FACTORS

Length of Segment	5,200'
Width	22'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Narrow road with multiple stops
Lighting	No
Adjacent Land Use	Single family residential

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
Date		State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Big Rock Drive
 Spt.Sp. Location: Cool Oak Way to Pacific Coast Highway

Ref. # 1

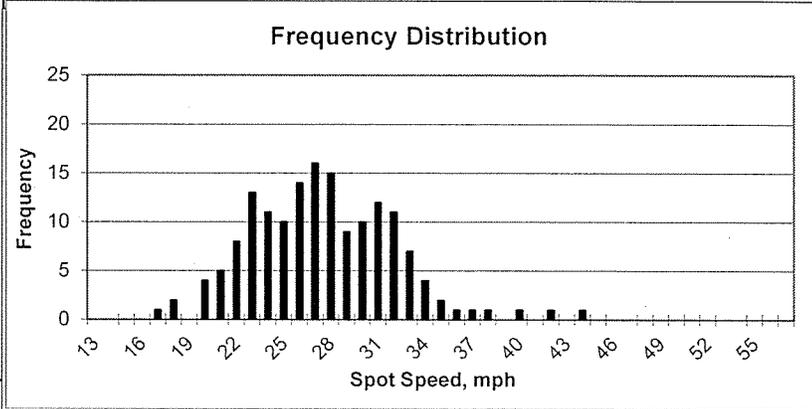
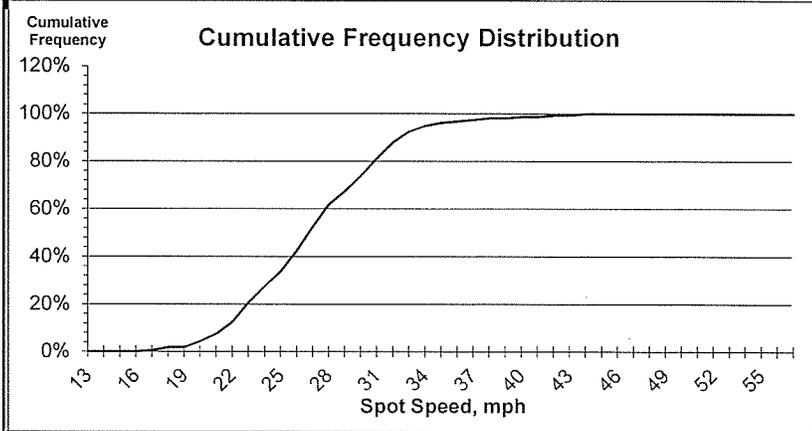
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	1	0.63%	0.63%
18	2	1.25%	1.88%
19	0	0.00%	1.88%
20	4	2.50%	4.38%
21	5	3.13%	7.50%
22	8	5.00%	12.50%
23	13	8.13%	20.63%
24	11	6.88%	27.50%
25	10	6.25%	33.75%
26	14	8.75%	42.50%
27	16	10.00%	52.50%
28	15	9.38%	61.88%
29	9	5.63%	67.50%
30	10	6.25%	73.75%
31	12	7.50%	81.25%
32	11	6.88%	88.13%
33	7	4.38%	92.50%
34	4	2.50%	95.00%
35	2	1.25%	96.25%
36	1	0.63%	96.88%
37	1	0.63%	97.50%
38	1	0.63%	98.13%
39	0	0.00%	98.13%
40	1	0.63%	98.75%
41	0	0.00%	98.75%
42	1	0.63%	99.38%
43	0	0.00%	99.38%
44	1	0.63%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	160	100%	

Date: 3/11/2014 Day: Tuesday
 Weather: Dry, clear
 Hours: 9:30 A.M. To 12:30 P.M.
 Recorder: NDS
 Posted Speed: 30 mph Pacific Coast Highway
 Channelization: Skip dash 2-way traffic
 Street Width: 22'
 Comm./Resid.: Residential
 DIRECTION: Eastbound / Westbound Combined

DATA ANALYSIS:

Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	23
50th Percentile:	27
85th Percentile:	32
10 Mile Pace:	23 to 32
% of Samples in 10-Mile Pace:	75.63%
# in 10 MPH pace:	115

Comments: _____



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

6

STREET	BUSCH DRIVE	CERTIFICATION DATE:	4/21/2015
FROM	Calpine Drive	TO	Merritt Drive

SPEED FACTORS

Date of Speed Survey	3/20/2014	Posted Speed Limit	30 mph
Time of Speed Survey	1:12 P.M. to 4:10 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	31	85th percentile speed downgraded due to restricted sight distance from horizontal road curvature	
85th Percentile Speed	36		
10 mph Pace Speed	27-36		
Percentage of Vehicles in Pace	67%	Recommended Speed Limit	<u>30 mph</u>
Number of Survey Samples	255		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	1,146	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled		
Crosswalks?	No		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	Street-adjacent parking available		
Sidewalks?	No		
Driveways?	Multiple		

ROADWAY FACTORS

Length of Segment	2,400'
Width	22'
Vertical Curve	Minimal
Horizontal Curve	Yes
Visibility	Restricted due to horizontal road curvature
Roadway Conditions	Fair
Lighting	No
Adjacent Land Use	Single family residential

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
Date		State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Busch Drive
 Spt.Sp. Location: Calpine Drive to Merritt Drive Ref. # 6

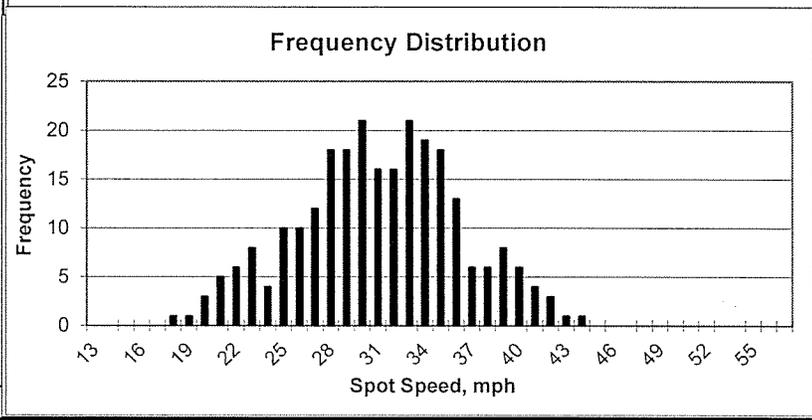
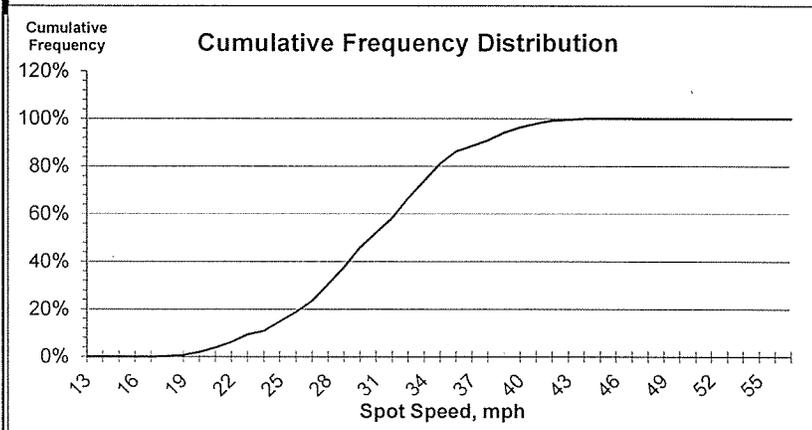
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	1	0.39%	0.39%
19	1	0.39%	0.78%
20	3	1.18%	1.96%
21	5	1.96%	3.92%
22	6	2.35%	6.27%
23	8	3.14%	9.41%
24	4	1.57%	10.98%
25	10	3.92%	14.90%
26	10	3.92%	18.82%
27	12	4.71%	23.53%
28	18	7.06%	30.59%
29	18	7.06%	37.65%
30	21	8.24%	45.88%
31	16	6.27%	52.16%
32	16	6.27%	58.43%
33	21	8.24%	66.67%
34	19	7.45%	74.12%
35	18	7.06%	81.18%
36	13	5.10%	86.27%
37	6	2.35%	88.63%
38	6	2.35%	90.98%
39	8	3.14%	94.12%
40	6	2.35%	96.47%
41	4	1.57%	98.04%
42	3	1.18%	99.22%
43	1	0.39%	99.61%
44	1	0.39%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

Date: 3/20/2014 Day: Tuesday
 Weather: Dry, clear
 Hours: 1:12 P.M. To 4:10 P.M.
 Recorder: NDS
 Posted Speed: 30 mph
 Channelization: Solid striping 2-way traffic
 Street Width: 22'
 Comm./Resid.: Residential
 DIRECTION: Northbound / Southbound Combined

DATA ANALYSIS:

Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	26
50th Percentile:	31
85th Percentile:	36
10 Mile Pace:	27 to 36
% of Samples in 10-Mile Pace:	67.45%
# in 10 MPH pace:	172

Comments: _____



Total: 255 100%

CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

7

STREET	BUSCH DRIVE	CERTIFICATION DATE:	4/21/2015
FROM	Merritt Drive	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/18/2014	Posted Speed Limit	30 mph
Time of Speed Survey	1:30 P.M. to 4:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	25	85th percentile downgraded due to high collision rate and restricted sight distance from vertical and horizontal road curvature	
85th Percentile Speed	32		
10 mph Pace Speed	21-30		
Percentage of Vehicles in Pace	56%	Recommended Speed Limit	<u>25 mph</u>
Number of Survey Samples	326		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	2
Collision Rate (ACC/MVM)	1.78
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	2,261	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled		
Crosswalks?	At Pacific Coast Highway		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	Street-adjacent parking available		
Sidewalks?	None present		
Driveways?	Moderate		

ROADWAY FACTORS

Length of Segment	2,400'
Width	22'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair
Lighting	No
Adjacent Land Use	Single family residential

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	Date	21-Apr-15	TE 2531 State Registration Number
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CITY OF MALIBU

Client: KIMLEY-HORN
Street: Busch Drive
Spt.Spd. Location: Merrit Drive to Pacific Coast Highway

Ref. # 7

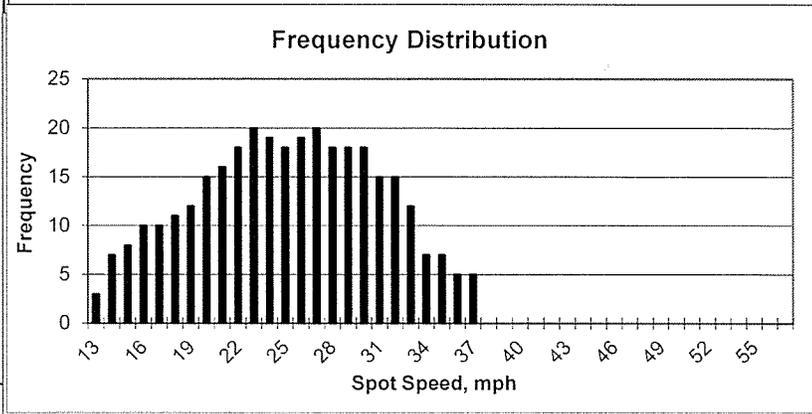
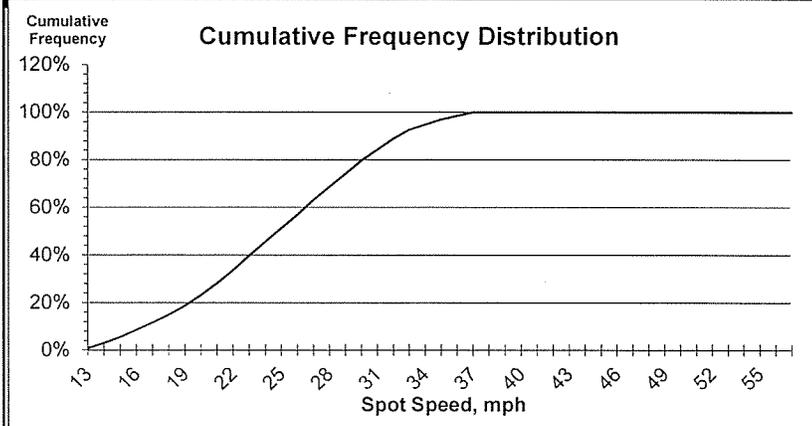
Speed	Frequency	Percent	Cumulative Percent
13	3	0.92%	0.92%
14	7	2.15%	3.07%
15	8	2.45%	5.52%
16	10	3.07%	8.59%
17	10	3.07%	11.66%
18	11	3.37%	15.03%
19	12	3.68%	18.71%
20	15	4.60%	23.31%
21	16	4.91%	28.22%
22	18	5.52%	33.74%
23	20	6.13%	39.88%
24	19	5.83%	45.71%
25	18	5.52%	51.23%
26	19	5.83%	57.06%
27	20	6.13%	63.19%
28	18	5.52%	68.71%
29	18	5.52%	74.23%
30	18	5.52%	79.75%
31	15	4.60%	84.36%
32	15	4.60%	88.96%
33	12	3.68%	92.64%
34	7	2.15%	94.79%
35	7	2.15%	96.93%
36	5	1.53%	98.47%
37	5	1.53%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	326	100%	

Date: 3/18/2014 **Day:** Tuesday
Weather: Dry, clear
Hours: 1:30 P.M. **To** 4:30 P.M.
Recorder: NDS
Posted Speed: 30 mph
Channelization: Skip dash 2-way traffic
Street Width: 22'
Comm./Resid.: Residential
DIRECTION: Northbound / Southbound Combined

DATA ANALYSIS:

Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	18
50th Percentile:	25
85th Percentile:	32
10 Mile Pace:	21 to 30
% of Samples in 10-Mile Pace:	56.44%
# in 10 MPH pace:	184

Comments: _____



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

8

STREET	CARBON CANYON ROAD	CERTIFICATION DATE:	4/21/2015
FROM	Carbon Mesa	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/11/2014	Posted Speed Limit	30 mph
Time of Speed Survey	9:30 A.M. to 12:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	27	85th percentile downgraded due to restricted sight distance from vertical and horizontal road curvature	
85th Percentile Speed	32		
10 mph Pace Speed	23-32		
Percentage of Vehicles in Pace	74%	Recommended Speed Limit	<u>25 mph</u>
Number of Survey Samples	70		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	508	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Signalized at Pacific Coast Highway		
Crosswalks?	At Pacific Coast Highway		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	Limited parking available at both sides of segment		
Sidewalks?	No		
Driveways?	Multiple		

ROADWAY FACTORS

Length of Segment	2,200'
Width	22'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair
Lighting	No
Adjacent Land Use	Single family residential; fire station

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
Date		State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Carbon Canyon Road
 Spt.Spd. Location: Carbon Mesa to Pacific Coast Highway

Ref. # 8

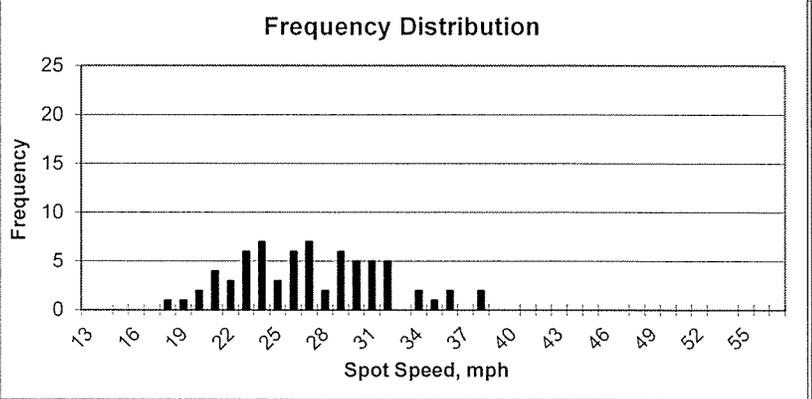
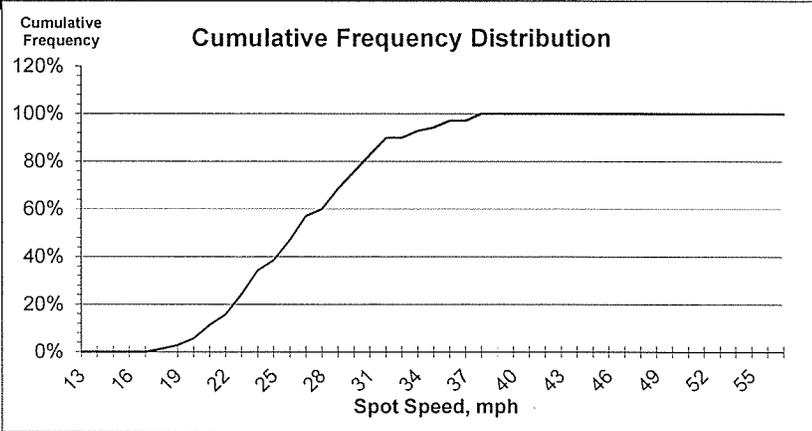
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	1	1.43%	1.43%
19	1	1.43%	2.86%
20	2	2.86%	5.71%
21	4	5.71%	11.43%
22	3	4.29%	15.71%
23	6	8.57%	24.29%
24	7	10.00%	34.29%
25	3	4.29%	38.57%
26	6	8.57%	47.14%
27	7	10.00%	57.14%
28	2	2.86%	60.00%
29	6	8.57%	68.57%
30	5	7.14%	75.71%
31	5	7.14%	82.86%
32	5	7.14%	90.00%
33	0	0.00%	90.00%
34	2	2.86%	92.86%
35	1	1.43%	94.29%
36	2	2.86%	97.14%
37	0	0.00%	97.14%
38	2	2.86%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	70	100%	

Date: 3/11/2014 Day: Tuesday
 Weather: Dry, clear
 Hours: 9:30 A.M. To 12:30 A.M.
 Recorder: NDS
 Posted Speed: 30 mph
 Channelization: Solid striping 2-way traffic
 Street Width: 22'
 Comm./Resid.: Residential
 DIRECTION: Northbound / Southbound Combined

DATA ANALYSIS:

Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	22
50th Percentile:	27
85th Percentile:	32
10 Mile Pace:	23 to 32
% of Samples in 10-Mile Pace:	74.29%
# in 10 MPH pace:	52

Comments: _____



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

9

STREET	CARBON MESA	CERTIFICATION DATE:	4/21/2015
FROM	End	TO	Carbon Canyon Road

SPEED FACTORS

Date of Speed Survey	3/11/2014	Posted Speed Limit	25 mph
Time of Speed Survey	12:42 P.M. to 3:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	25	85th percentile speed downgraded due to restricted sight distance from vertical road curvature.	
85th Percentile Speed	31		
10 mph Pace Speed	19-28		
Percentage of Vehicles in Pace	75%	Recommended Speed Limit	<u>25 mph</u>
Number of Survey Samples	71		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	407	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Unsignalized		
Crosswalks?	No		
Pedestrian Traffic	Minimal		
Truck Traffic	None present		
On-Street Parking	Limited street-adjacent parking available at both sides of segment		
Sidewalks?	No		
Driveways?	Multiple		

ROADWAY FACTORS

Length of Segment	4,800'
Width	22'
Vertical Curve	Yes
Horizontal Curve	Moderate
Visibility	Restricted due to vertical road curvature
Roadway Conditions	Fair
Lighting	No
Adjacent Land Use	Single family residential

Field Study By	KHA	Checked By	KHA
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Sri Chakravarthy	21-Apr-15	TE 2531
	Date	State Registration Number

CITY OF MALIBU

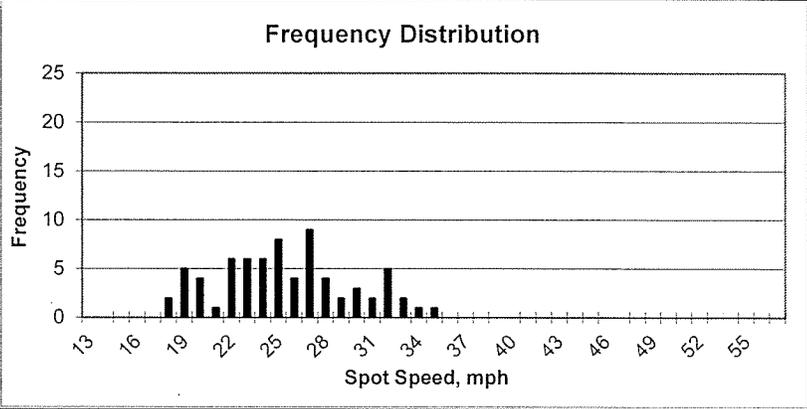
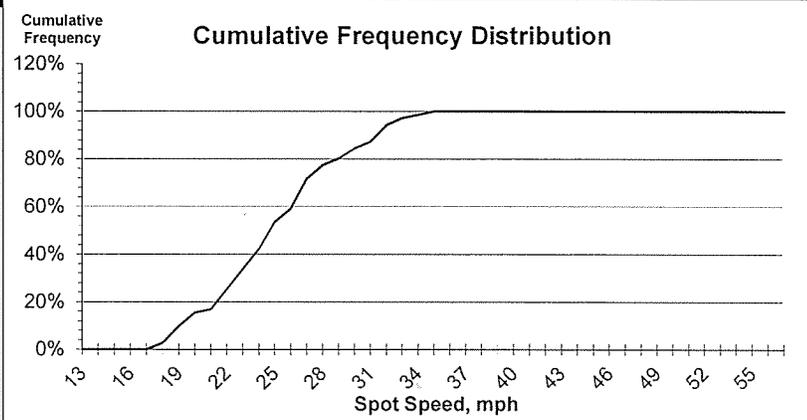
Client: KIMLEY-HORN
 Street: Carbon Mesa
 Spt.Sp. Location: Carbon Canyon Road to End

Ref. # 9

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	2	2.82%	2.82%
19	5	7.04%	9.86%
20	4	5.63%	15.49%
21	1	1.41%	16.90%
22	6	8.45%	25.35%
23	6	8.45%	33.80%
24	6	8.45%	42.25%
25	8	11.27%	53.52%
26	4	5.63%	59.15%
27	9	12.68%	71.83%
28	4	5.63%	77.46%
29	2	2.82%	80.28%
30	3	4.23%	84.51%
31	2	2.82%	87.32%
32	5	7.04%	94.37%
33	2	2.82%	97.18%
34	1	1.41%	98.59%
35	1	1.41%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	71	100%	

Date: 3/11/2014 Day: Tuesday
 Weather: Dry, clear
 Hours: 12:42 P.M. To 15:30 P.M.
 Recorder: NDS
 Posted Speed: 25 mph
 Channelization: Skip dash 2-way traffic
 Street Width: 22'
 Comm./Resid.: Residential
 DIRECTION: Eastbound / Westbound Combined

DATA ANALYSIS:	
Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	20
50th Percentile:	25
85th Percentile:	31
10 Mile Pace:	19 to 28
% of Samples in 10-Mile Pace:	74.65%
# in 10 MPH pace:	53
Comments:	



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

10

STREET	CIVIC CENTER WAY	CERTIFICATION DATE:	4/21/2015
FROM	Malibu Canyon Road	TO	Webb Way

SPEED FACTORS

Date of Speed Survey	6/17/2014	Posted Speed Limit	40 mph
Time of Speed Survey	1:30 A.M. to 3:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	41	85th percentile speed downgraded due to restricted sight distance from horizontal road curvature, residential density and no sidewalks	
85th Percentile Speed	46		
10 mph Pace Speed	38-47		
Percentage of Vehicles in Pace	72%	Recommended Speed Limit	<u>40 mph</u>
Number of Survey Samples	200		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	1
Collision Rate (ACC/MVM)	0.16
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	11,715	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Signalized at Malibu Canyon Rd and Winter Canyon Rd; stop-controlled at Vista Pacifica and Webb Way		
Crosswalks?	No		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	Minimal street-adjacent parking available		
Sidewalks?	No		
Driveways?	Minimal		

ROADWAY FACTORS

Length of Segment	2,600'
Width	24'
Vertical Curve	Moderate
Horizontal Curve	Yes
Visibility	Restricted due to Horizontal road curvature
Roadway Conditions	Fair
Lighting	Yes, on south side of segment
Adjacent Land Use	School and commercial

Field Study By KHA Checked By KHA

CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15 Date	TE 2531 State Registration Number
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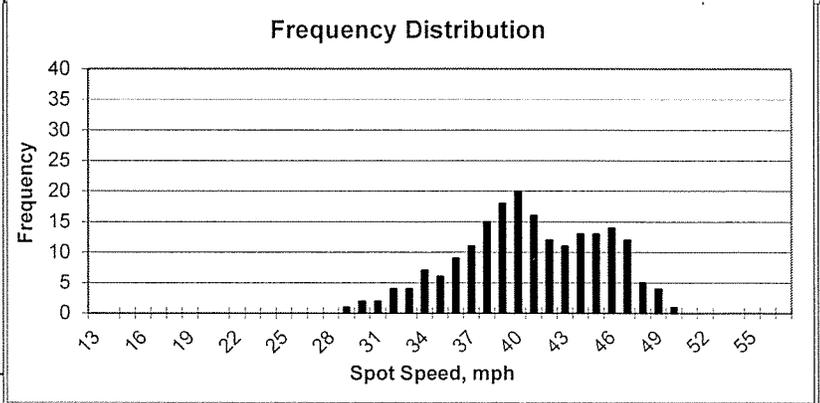
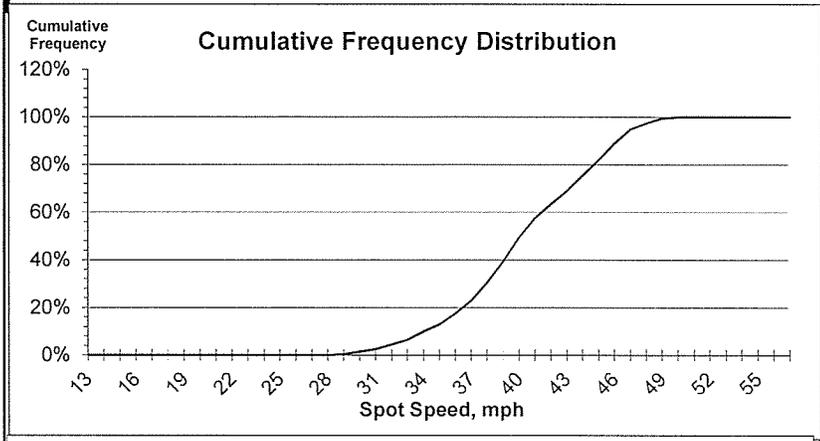
CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Civic Center Way
 Spt.Spd. Location: Malibu Canyon Road to Webb Way

Ref. # 10

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	0	0.00%	0.00%
27	0	0.00%	0.00%
28	0	0.00%	0.00%
29	1	0.50%	0.50%
30	2	1.00%	1.50%
31	2	1.00%	2.50%
32	4	2.00%	4.50%
33	4	2.00%	6.50%
34	7	3.50%	10.00%
35	6	3.00%	13.00%
36	9	4.50%	17.50%
37	11	5.50%	23.00%
38	15	7.50%	30.50%
39	18	9.00%	39.50%
40	20	10.00%	49.50%
41	16	8.00%	57.50%
42	12	6.00%	63.50%
43	11	5.50%	69.00%
44	13	6.50%	75.50%
45	13	6.50%	82.00%
46	14	7.00%	89.00%
47	12	6.00%	95.00%
48	5	2.50%	97.50%
49	4	2.00%	99.50%
50	1	0.50%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	200	100%	

Date:	<u>6/17/2014</u>	Day:	<u>Tuesday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>1:30 PM</u>	To	<u>3:30 PM</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>40</u>		
Channelization:	<u>Painted median and solid 2-way traffic</u>		
Street Width:	<u>Var</u>		
Comm./Resid.:	<u>Residential</u>		
DIRECTION:	<u>Eastbound / Westbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	<u>N/A</u>		
Standard Deviation:	<u>N/A</u>		
Standard error of the mean:	<u>N/A</u>		
15th Percentile:	<u>36</u>		
50th Percentile:	<u>41</u>		
85th Percentile:	<u>46</u>		
10 Mile Pace:	<u>38</u>	to	<u>47</u>
% of Samples in 10-Mile Pace:	<u>72.00%</u>		
# in 10 MPH pace:	<u>144</u>		
Comments:	<u></u>		



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

11

STREET	CIVIC CENTER WAY	CERTIFICATION DATE:	4/21/2015
FROM	Webb Way	TO	Cross Creek Road

SPEED FACTORS

Date of Speed Survey	3/20/2014	Posted Speed Limit	25 mph
Time of Speed Survey	1:30 P.M. to 3:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	27	85th percentile speed downgraded due to high pedestrian activity	
85th Percentile Speed	31		
10 mph Pace Speed	22-31		
Percentage of Vehicles in Pace	74%	Recommended Speed Limit	<u>25 mph</u>
Number of Survey Samples	200		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	2
Collision Rate (ACC/MVM)	0.65
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	5,692	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled		
Crosswalks?	Multiple		
Pedestrian Traffic	High		
Truck Traffic	None present		
On-Street Parking	Street-adjacent at both sides of segment		
Sidewalks?	On both sides of segment		
Driveways?	Moderate		

ROADWAY FACTORS

Length of Segment	2,600'
Width	33'
Vertical Curve	No
Horizontal Curve	No
Visibility	Fair
Roadway Conditions	Striped median; bus stops
Lighting	No
Adjacent Land Use	Commercial, Park and Library

Field Study By	KHA	Checked By	KHA
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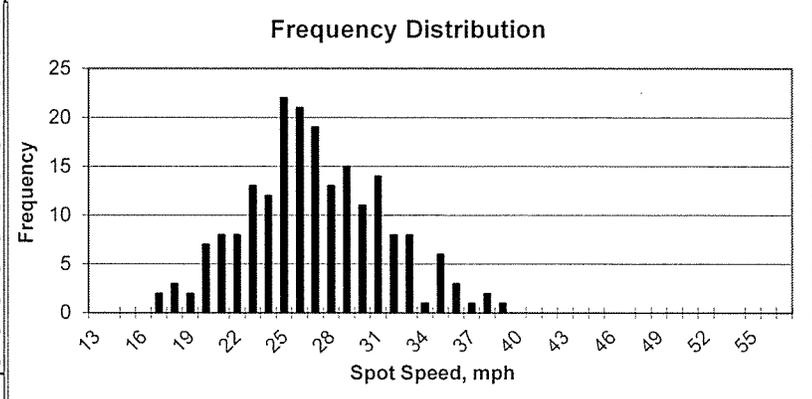
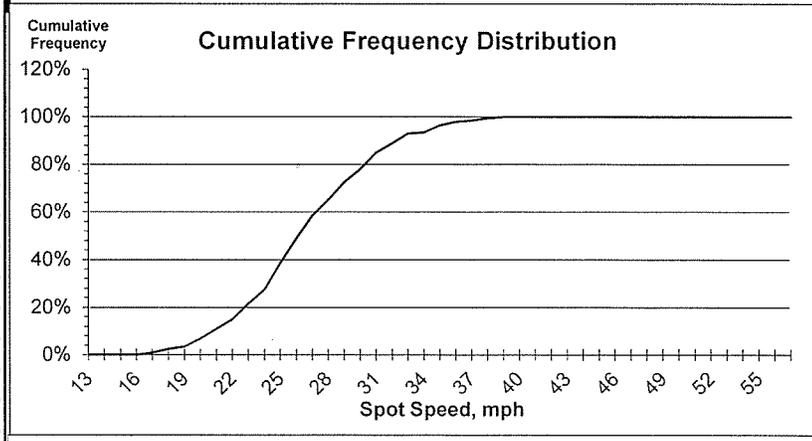
Sri Chakravarthy	21-Apr-15	TE 2531
	Date	State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Civic Center Way
 Spt.Spd. Location: Webb Way to Cross Creek Road Ref. # 11

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	2	1.00%	1.00%
18	3	1.50%	2.50%
19	2	1.00%	3.50%
20	7	3.50%	7.00%
21	8	4.00%	11.00%
22	8	4.00%	15.00%
23	13	6.50%	21.50%
24	12	6.00%	27.50%
25	22	11.00%	38.50%
26	21	10.50%	49.00%
27	19	9.50%	58.50%
28	13	6.50%	65.00%
29	15	7.50%	72.50%
30	11	5.50%	78.00%
31	14	7.00%	85.00%
32	8	4.00%	89.00%
33	8	4.00%	93.00%
34	1	0.50%	93.50%
35	6	3.00%	96.50%
36	3	1.50%	98.00%
37	1	0.50%	98.50%
38	2	1.00%	99.50%
39	1	0.50%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	200	100%	

Date:	<u>3/20/2014</u>	Day:	<u>Thursday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>1:30 P.M.</u>	To	<u>3:30 P.M.</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>25 mph</u>		
Channelization:	<u>Painted median and solid 2-way traffic</u>		
Street Width:	<u>33'</u>		
Comm./Resid.:	<u>Commercial</u>		
DIRECTION:	<u>Eastbound / Westbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	<u>N/A</u>		
Standard Deviation:	<u>N/A</u>		
Standard error of the mean:	<u>N/A</u>		
15th Percentile:	<u>22</u>		
50th Percentile:	<u>27</u>		
85th Percentile:	<u>31</u>		
10 Mile Pace:	<u>22</u>	to	<u>31</u>
% of Samples in 10-Mile Pace:	<u>74.00%</u>		
# in 10 MPH pace:	<u>148</u>		
Comments:			



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

13

STREET	CORRAL CANYON ROAD	CERTIFICATION DATE:	4/21/2015
FROM	City Limit	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/13/2014	Posted Speed Limit	30 mph
Time of Speed Survey	1:30 P.M. to 4:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	32	85th percentile speed downgraded due to restricted sight distance from vertical and horizontal road curvature	
85th Percentile Speed	36		
10 mph Pace Speed	27-36		
Percentage of Vehicles in Pace	80%	Recommended Speed Limit	<u>30 mph</u>
Number of Survey Samples	257		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	1,503	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Signalized at Pacific Coast Highway		
Crosswalks?	No		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	Limited		
Sidewalks?	No		
Driveways?	No		

ROADWAY FACTORS

Length of Segment	4,800'
Width	22'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Sharp curves
Lighting	No
Adjacent Land Use	Residential and vacant

Field Study By KHA Checked By KHA

CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

	21-Apr-15	TE 2531
Sri Chakravarthy	Date	State Registration Number

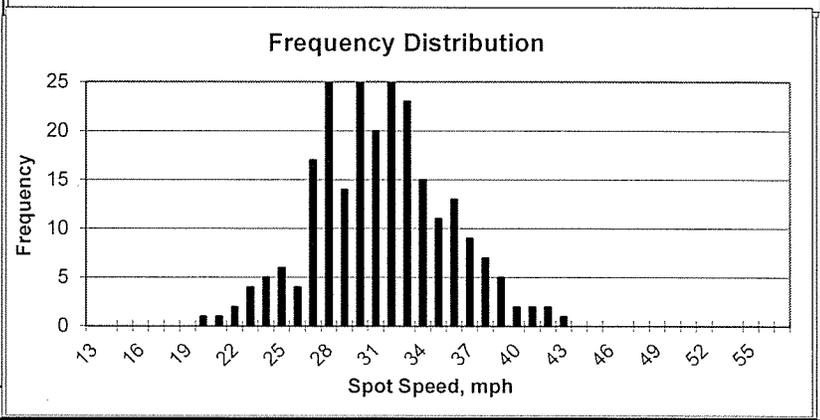
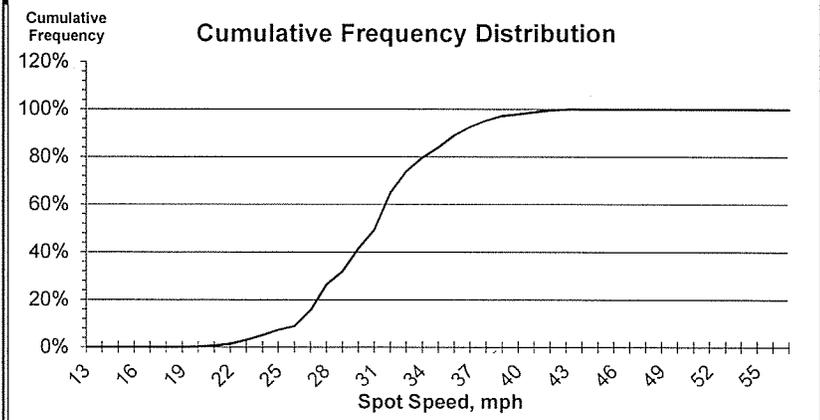
CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Coral Canyon Road
 Spt.Spд. Location: Pacific Coast Highway to City Limit

Ref. # 13

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	1	0.39%	0.39%
21	1	0.39%	0.78%
22	2	0.78%	1.56%
23	4	1.56%	3.11%
24	5	1.95%	5.06%
25	6	2.33%	7.39%
26	4	1.56%	8.95%
27	17	6.61%	15.56%
28	28	10.89%	26.46%
29	14	5.45%	31.91%
30	25	9.73%	41.63%
31	20	7.78%	49.42%
32	40	15.56%	64.98%
33	23	8.95%	73.93%
34	15	5.84%	79.77%
35	11	4.28%	84.05%
36	13	5.06%	89.11%
37	9	3.50%	92.61%
38	7	2.72%	95.33%
39	5	1.95%	97.28%
40	2	0.78%	98.05%
41	2	0.78%	98.83%
42	2	0.78%	99.61%
43	1	0.39%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

Date:	<u>3/13/2014</u>	Day:	<u>Thursday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>1:30 P.M.</u>	To	<u>4:30 P.M.</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>30 mph</u>		
Channelization:	<u>Skip dash 2-way traffic</u>		
Street Width:	<u>22'</u>		
Comm./Resid.:	<u>Residential</u>		
DIRECTION:	<u>Northbound / Southbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	N/A		
Standard Deviation:	N/A		
Standard error of the mean:	N/A		
15th Percentile:	27		
50th Percentile:	32		
85th Percentile:	36		
10 Mile Pace:	27	to	36
% of Samples in 10-Mile Pace:	80.16%		
# in 10 MPH pace:	206		
Comments:			



Total: 257 100%

CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

14

STREET	CROSS CREEK ROAD	CERTIFICATION DATE:	4/21/2015
FROM	Civic Center Way	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/12/2014	Posted Speed Limit	25 mph
Time of Speed Survey	1:31 P.M. to 3:11 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	18	85th percentile speed	
85th Percentile Speed	22		
10 mph Pace Speed	14-23		
Percentage of Vehicles in Pace	87%	Recommended Speed Limit	<u>25 mph</u>
Number of Survey Samples	210		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	2
Collision Rate (ACC/MVM)	1.54
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	6,252	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Signalized at Pacific Coast Highway; stop-controlled at Civic Center Way		
Crosswalks?	Yes		
Pedestrian Traffic	High		
Truck Traffic	Minimal		
On-Street Parking	Street-adjacent at both sides of segment		
Sidewalks?	At both sides of segment		
Driveways?	Multiple		

ROADWAY FACTORS

Length of Segment	1,000'
Width	32'
Vertical Curve	No
Horizontal Curve	Minimal
Visibility	Fair
Roadway Conditions	Fair; bus stops
Lighting	Yes
Adjacent Land Use	Commercial

Field Study By KHA Checked By KHA

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Sri Chakravarthy	21-Apr-15	TE 2531
	Date	State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Cross Creek Road
 Spt.Sp. Location: Civic Center Way to Pacific Coast Highway Ref. # 14

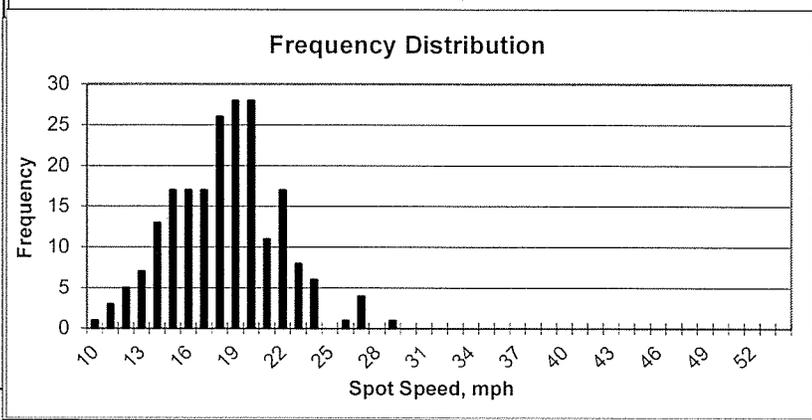
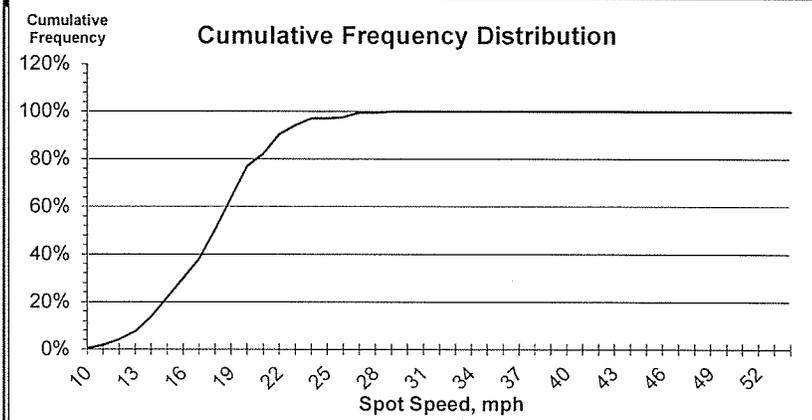
Speed	Frequency	Percent	Cumulative Percent
10	1	0.48%	0.48%
11	3	1.43%	1.90%
12	5	2.38%	4.29%
13	7	3.33%	7.62%
14	13	6.19%	13.81%
15	17	8.10%	21.90%
16	17	8.10%	30.00%
17	17	8.10%	38.10%
18	26	12.38%	50.48%
19	28	13.33%	63.81%
20	28	13.33%	77.14%
21	11	5.24%	82.38%
22	17	8.10%	90.48%
23	8	3.81%	94.29%
24	6	2.86%	97.14%
25	0	0.00%	97.14%
26	1	0.48%	97.62%
27	4	1.90%	99.52%
28	0	0.00%	99.52%
29	1	0.48%	100.00%
30	0	0.00%	100.00%
31	0	0.00%	100.00%
32	0	0.00%	100.00%
33	0	0.00%	100.00%
34	0	0.00%	100.00%
35	0	0.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
Total:	210	100%	

Date: 3/12/2014 Day: Wednesday
 Weather: Dry, clear
 Hours: 1:31 P.M. To 3:11 P.M.
 Recorder: NDS
 Posted Speed: 25 mph
 Channelization: Solid striping 2-way traffic
 Street Width: 32'
 Comm./Resid.: Commercial
 DIRECTION: Eastbound / Westbound Combined

DATA ANALYSIS:

Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	15
50th Percentile:	18
85th Percentile:	22
10 Mile Pace:	14 to 23
% of Samples in 10-Mile Pace:	86.67%
# in 10 MPH pace:	182

Comments: _____



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

15

STREET	DUME DRIVE	CERTIFICATION DATE:	4/21/2015
FROM	Heathercliff Road	TO	Cliffside Drive

SPEED FACTORS

Date of Speed Survey	3/18/2014	Posted Speed Limit	30 mph
Time of Speed Survey	9:30 A.M. to 12:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	32	85th percentile speed downgraded due to residential density	
85th Percentile Speed	36		
10 mph Pace Speed	27-36		
Percentage of Vehicles in Pace	81%	Recommended Speed Limit	<u>30 mph</u>
Number of Survey Samples	321		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	1
Collision Rate (ACC/MVM)	0.32
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	3,040	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled		
Crosswalks?	No		
Pedestrian Traffic	Minimal		
Truck Traffic	None present		
On-Street Parking	Yes		
Sidewalks?	Yes		
Driveways?	Multiple		

ROADWAY FACTORS

Length of Segment	5,000'
Width	22'
Vertical Curve	Moderate
Horizontal Curve	Moderate
Visibility	Minimal restriction due to horizontal road curvature
Roadway Conditions	Fair
Lighting	At intersections at south side of segment
Adjacent Land Use	Single family residential

Field Study By KHA Checked By KHA

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Sri Chakravarthy	21-Apr-15	TE 2531
Date		State Registration Number

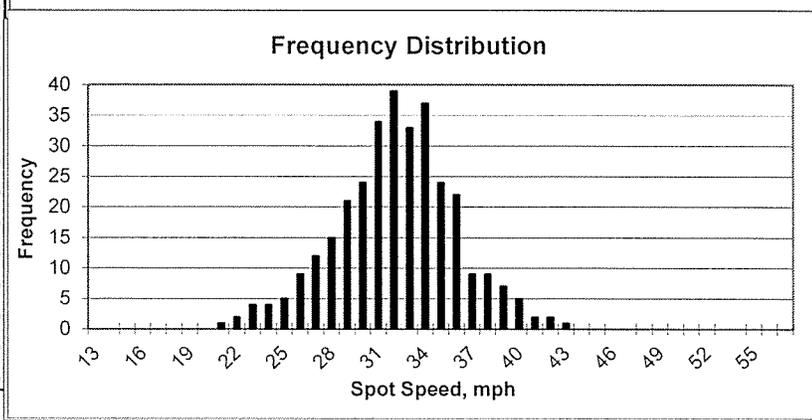
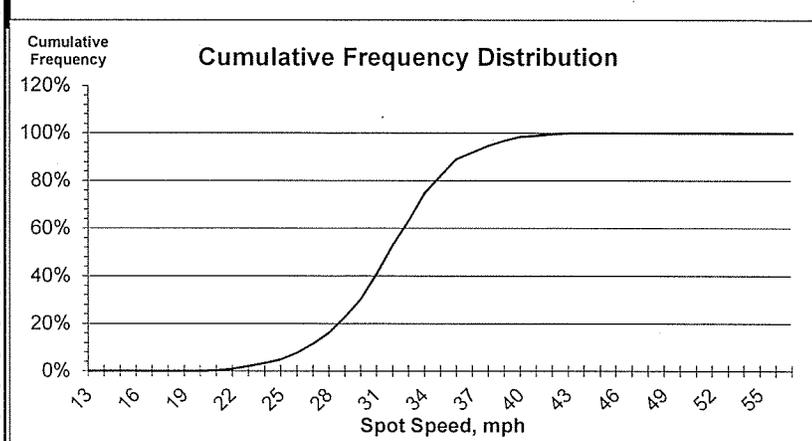
CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Dume Drive
 Spt.Spд. Location: Heathercliff Road to Cliffside Drive

Ref. # 15

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	1	0.31%	0.31%
22	2	0.62%	0.93%
23	4	1.25%	2.18%
24	4	1.25%	3.43%
25	5	1.56%	4.98%
26	9	2.80%	7.79%
27	12	3.74%	11.53%
28	15	4.67%	16.20%
29	21	6.54%	22.74%
30	24	7.48%	30.22%
31	34	10.59%	40.81%
32	39	12.15%	52.96%
33	33	10.28%	63.24%
34	37	11.53%	74.77%
35	24	7.48%	82.24%
36	22	6.85%	89.10%
37	9	2.80%	91.90%
38	9	2.80%	94.70%
39	7	2.18%	96.88%
40	5	1.56%	98.44%
41	2	0.62%	99.07%
42	2	0.62%	99.69%
43	1	0.31%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

Date:	<u>3/18/2014</u>	Day:	<u>Tuesday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>9:30 A.M.</u>	To	<u>12:30 P.M.</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>30 mph</u>		
Channelization:	<u>Solid striping 2-way traffic</u>		
Street Width:	<u>36'</u>		
Comm./Resid.:	<u>Residential</u>		
DIRECTION:	<u>Northbound / Southbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	<u>N/A</u>		
Standard Deviation:	<u>N/A</u>		
Standard error of the mean:	<u>N/A</u>		
15th Percentile:	<u>28</u>		
50th Percentile:	<u>32</u>		
85th Percentile:	<u>36</u>		
10 Mile Pace:	<u>27</u>	to	<u>36</u>
% of Samples in 10-Mile Pace:	<u>81.31%</u>		
# in 10 MPH pace:	<u>231</u>		
Comments:	<u></u>		



Total: 321 100%

CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

16

STREET	ENCINAL CANYON ROAD	CERTIFICATION DATE:	4/21/2015
FROM	North City Limit	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/20/2014	Posted Speed Limit	45 mph
Time of Speed Survey	9:30 A.M. to 12:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	43	85th percentile speed downgraded due to restricted sight distance from horizontal and vertical curvature	
85th Percentile Speed	49		
10 mph Pace Speed	38-47		
Percentage of Vehicles in Pace	60%	Recommended Speed Limit	<u>45 mph</u>
Number of Survey Samples	148		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	1
Collision Rate (ACC/MVM)	0.71
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	924	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled		
Crosswalks?	No		
Pedestrian Traffic	None present		
Truck Traffic	Minimal		
On-Street Parking	No		
Sidewalks?	No		
Driveways?	Multiple		

ROADWAY FACTORS

Length of Segment	7,400'
Width	22'
Vertical Curve	Moderate
Horizontal Curve	Moderate
Visibility	Restricted due to road curvature
Roadway Conditions	Fair; sharp curves
Lighting	No
Adjacent Land Use	Single family residential; vacant

Field Study By	KHA	Checked By	KHA
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Sri Chakravarthy	21-Apr-15	TE 2531
Date		State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Encinal Canyon Road
 Spt.Sp. Location: Pacific Coast Highway to North City Limit Ref. # 16

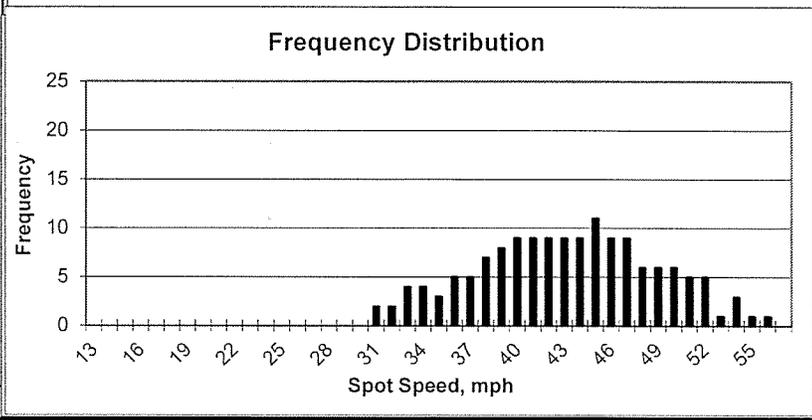
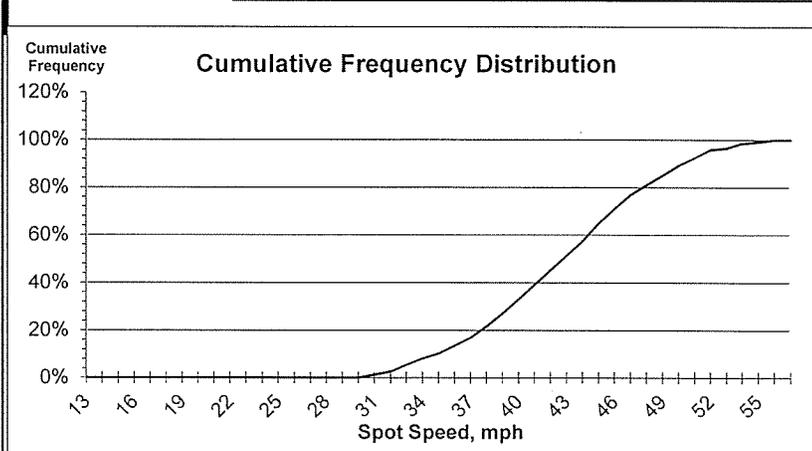
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	0	0.00%	0.00%
27	0	0.00%	0.00%
28	0	0.00%	0.00%
29	0	0.00%	0.00%
30	0	0.00%	0.00%
31	2	1.35%	1.35%
32	2	1.35%	2.70%
33	4	2.70%	5.41%
34	4	2.70%	8.11%
35	3	2.03%	10.14%
36	5	3.38%	13.51%
37	5	3.38%	16.89%
38	7	4.73%	21.62%
39	8	5.41%	27.03%
40	9	6.08%	33.11%
41	9	6.08%	39.19%
42	9	6.08%	45.27%
43	9	6.08%	51.35%
44	9	6.08%	57.43%
45	11	7.43%	64.86%
46	9	6.08%	70.95%
47	9	6.08%	77.03%
48	6	4.05%	81.08%
49	6	4.05%	85.14%
50	6	4.05%	89.19%
51	5	3.38%	92.57%
52	5	3.38%	95.95%
53	1	0.68%	96.62%
54	3	2.03%	98.65%
55	1	0.68%	99.32%
56	1	0.68%	100.00%
57	0	0.00%	100.00%

Date: 3/20/2014 Day: Thursday
 Weather: Dry, clear
 Hours: 9:30 A.M. To 12:30 P.M.
 Recorder: NDS
 Posted Speed: 45 mph
 Channelization: Solid striping 2-way traffic
 Street Width: 22'
 Comm./Resid.: Residential
 DIRECTION: Northbound / Southbound Combined

DATA ANALYSIS:

Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	37
50th Percentile:	43
85th Percentile:	49
10 Mile Pace:	38 to 47
% of Samples in 10-Mile Pace:	60.14%
# in 10 MPH pace:	89

Comments: _____



Total: 148 100%

CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

18

STREET	FERNHILL DRIVE	CERTIFICATION DATE:	4/21/2015
FROM	Wildlife Road	TO	Grayfox Street

SPEED FACTORS

Date of Speed Survey	3/12/2014	Posted Speed Limit	25 mph
Time of Speed Survey	9:36 A.M. to 12:41 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	24	85th percentile speed downgraded due to restricted sight distance from vertical road curvature	
85th Percentile Speed	28		
10 mph Pace Speed	19-28		
Percentage of Vehicles in Pace	73%	Recommended Speed Limit	<u>25 mph</u>
Number of Survey Samples	120		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	2,717	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled		
Crosswalks?	No		
Pedestrian Traffic	Minimal		
Truck Traffic	None present		
On-Street Parking	Street-adjacent parking available		
Sidewalks?	No		
Driveways?	Minimal		

ROADWAY FACTORS

Length of Segment	1,680'
Width	25'
Vertical Curve	Yes
Horizontal Curve	Minimal
Visibility	Restricted due to road curvature
Roadway Conditions	Fair
Lighting	No
Adjacent Land Use	Single Family Residential

Field Study By	KHA	Checked By	KHA
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	Date	State Registration Number

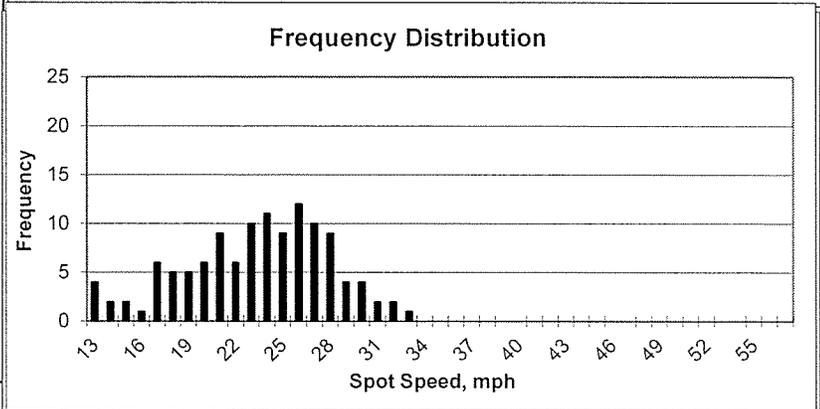
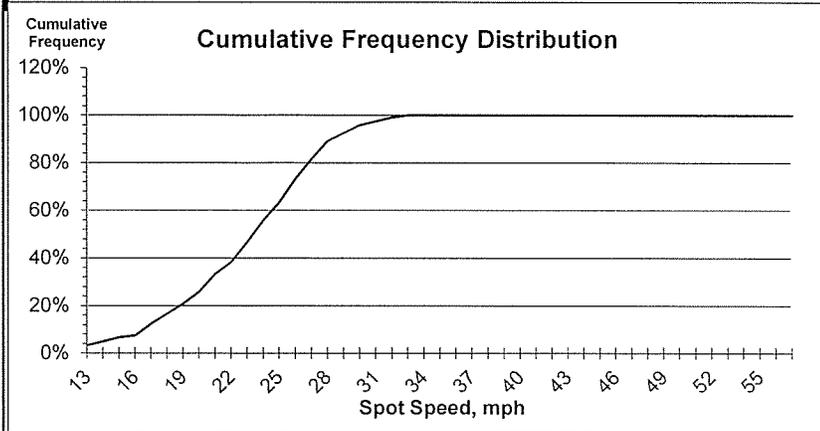
CITY OF MALIBU

Client: KIMLEY-HORN
Street: Fernhill Drive
Spt.Spd. Location: Wildlife Road to Grayfox Street

Ref. # 18

Speed	Frequency	Percent	Cumulative Percent
13	4	3.33%	3.33%
14	2	1.67%	5.00%
15	2	1.67%	6.67%
16	1	0.83%	7.50%
17	6	5.00%	12.50%
18	5	4.17%	16.67%
19	5	4.17%	20.83%
20	6	5.00%	25.83%
21	9	7.50%	33.33%
22	6	5.00%	38.33%
23	10	8.33%	46.67%
24	11	9.17%	55.83%
25	9	7.50%	63.33%
26	12	10.00%	73.33%
27	10	8.33%	81.67%
28	9	7.50%	89.17%
29	4	3.33%	92.50%
30	4	3.33%	95.83%
31	2	1.67%	97.50%
32	2	1.67%	99.17%
33	1	0.83%	100.00%
34	0	0.00%	100.00%
35	0	0.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	120	100%	

Date:	<u>3/12/2014</u>	Day:	<u>Wednesday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>9:36 A.M.</u>	To	<u>12:41 P.M.</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>25 mph</u>		
Channelization:	<u>Solid striping 2-way traffic</u>		
Street Width:	<u>25'</u>		
Comm./Resid.:	<u>Residential</u>		
DIRECTION:	<u>Northbound / Southbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	<u>N/A</u>		
Standard Deviation:	<u>N/A</u>		
Standard error of the mean:	<u>N/A</u>		
15th Percentile:	<u>18</u>		
50th Percentile:	<u>24</u>		
85th Percentile:	<u>28</u>		
10 Mile Pace:	<u>19</u>	to	<u>28</u>
% of Samples in 10-Mile Pace:	<u>72.50%</u>		
# in 10 MPH pace:	<u>87</u>		
Comments:	<u></u>		

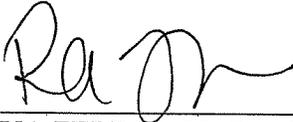


CERTIFICATE OF ACCEPTANCE

This is to certify that the interest in real property and the rights and obligations conveyed by this Assignment and Assumption of Wastewater Services and Easement Agreement and Bill of Sale from MBC COLONY PLAZA, a Delaware limited liability company, to the City of Malibu, a California municipal corporation (the "City"), are hereby accepted by the undersigned officer or agent on behalf of the City pursuant to the authority conferred by City Council minute order of May 23, 2016 and the City consents to the recordation hereof.

DATED: June 17, 2016

CITY OF MALIBU

By: 
REVA FELDMAN, City Manager

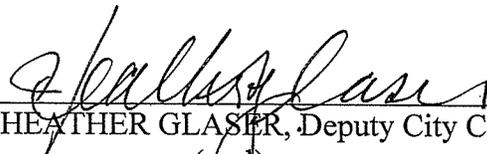
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
County of Los Angeles

On June 17, 2016, before me, Heather Glaser, Deputy City Clerk for the City of Malibu, personally appeared Reva Feldman, City Manager, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


HEATHER GLASER, Deputy City Clerk
(seal)



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

19

STREET	GUERNSEY AVENUE	CERTIFICATION DATE:	4/21/2015
FROM	Morning View Drive	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/19/2014	Posted Speed Limit	30 mph
Time of Speed Survey	9:30 A.M. to 12:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	28	85th percentile speed downgraded due to restricted sight distance from horizontal and vertical road curvature	
85th Percentile Speed	33		
10 mph Pace Speed	22-31		
Percentage of Vehicles in Pace	72%	Recommended Speed Limit	<u>30 mph</u>
Number of Survey Samples	215		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	1,344	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled		
Crosswalks?	No		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	No		
Sidewalks?	No		
Driveways?	Minimal		

ROADWAY FACTORS

Length of Segment	1,000'
Width	22'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair; "Share the Road" bike Lane
Lighting	No
Adjacent Land Use	Single family residential

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
	Date	State Registration Number

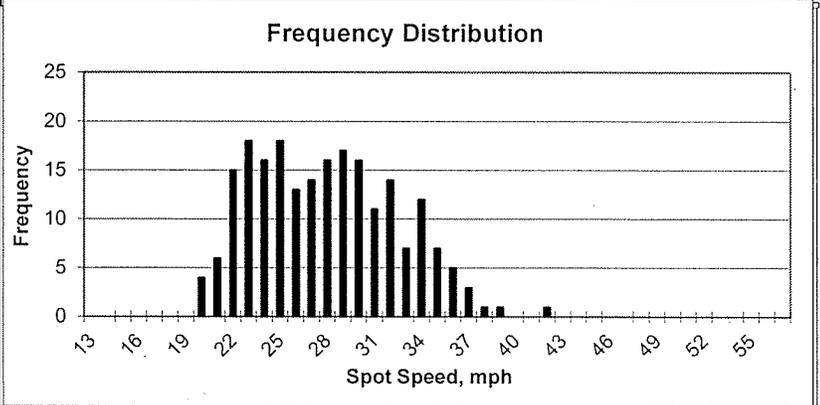
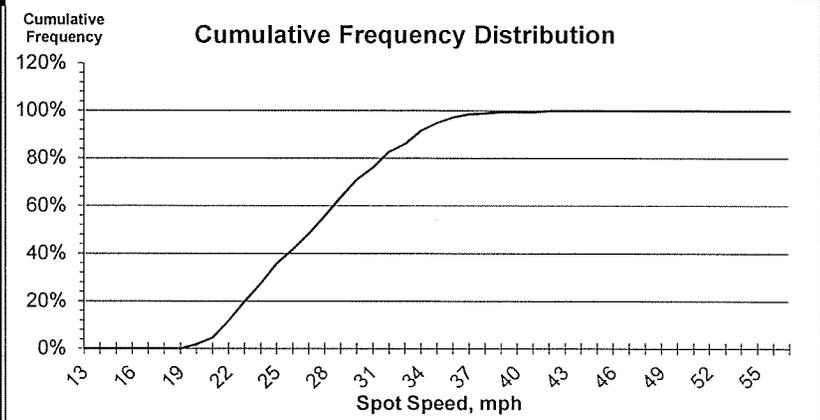
CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Guernsey Avenue
 Spt.Sp. Location: Morning View Drive to Pacific Coast Highway

Ref. # 19

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	4	1.86%	1.86%
21	6	2.79%	4.65%
22	15	6.98%	11.63%
23	18	8.37%	20.00%
24	16	7.44%	27.44%
25	18	8.37%	35.81%
26	13	6.05%	41.86%
27	14	6.51%	48.37%
28	16	7.44%	55.81%
29	17	7.91%	63.72%
30	16	7.44%	71.16%
31	11	5.12%	76.28%
32	14	6.51%	82.79%
33	7	3.26%	86.05%
34	12	5.58%	91.63%
35	7	3.26%	94.88%
36	5	2.33%	97.21%
37	3	1.40%	98.60%
38	1	0.47%	99.07%
39	1	0.47%	99.53%
40	0	0.00%	99.53%
41	0	0.00%	99.53%
42	1	0.47%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	215	100%	

Date:	<u>3/19/2014</u>	Day:	<u>Wednesday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>9:30 A.M.</u>	To	<u>12:30 P.M.</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>30 mph</u>		
Channelization:	<u>Skip dash 2-way traffic</u>		
Street Width:	<u>22'</u>		
Comm./Resid.:	<u>Residential</u>		
DIRECTION:	<u>Northbound / Southbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	<u>N/A</u>		
Standard Deviation:	<u>N/A</u>		
Standard error of the mean:	<u>N/A</u>		
15th Percentile:	<u>23</u>		
50th Percentile:	<u>28</u>		
85th Percentile:	<u>33</u>		
10 Mile Pace:	<u>22</u>	to	<u>31</u>
% of Samples in 10-Mile Pace:	<u>71.63%</u>		
# in 10 MPH pace:	<u>154</u>		
Comments:	<u></u>		



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

21

STREET	JOHN TYLER DRIVE	CERTIFICATION DATE:	4/21/2015
FROM	Pepperdine University Entrance	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/13/2014	Posted Speed Limit	Not posted
Time of Speed Survey	9:30 A.M. to 11:05 A.M.	Speed Justification	85th percentile speed
50th Percentile Speed (Mean Speed)	22		
85th Percentile Speed	25		
10 mph Pace Speed	17-26		
Percentage of Vehicles in Pace	83%	Recommended Speed Limit	<u>25 mph</u>
Number of Survey Samples	115		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.42

TRAFFIC FACTORS

Average Daily Traffic	4,228	Date Counted	3/18/2014
Number of Lanes	Two lanes in each direction		
Type of Traffic Control	Signalized at Pacific Coast Highway; stop-controlled at Malibu Country Dr		
Crosswalks?	At Pacific Coast Highway		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	Restricted parking at both sides of segment		
Sidewalks?	Yes		
Driveways?	No		

ROADWAY FACTORS

Length of Segment	2,000'
Width	
Vertical Curve	Minimal
Horizontal Curve	Minimal
Visibility	Fair
Roadway Conditions	Fair; raised median; university entrance
Lighting	Yes
Adjacent Land Use	Single family residential; University

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
Date		State Registration Number

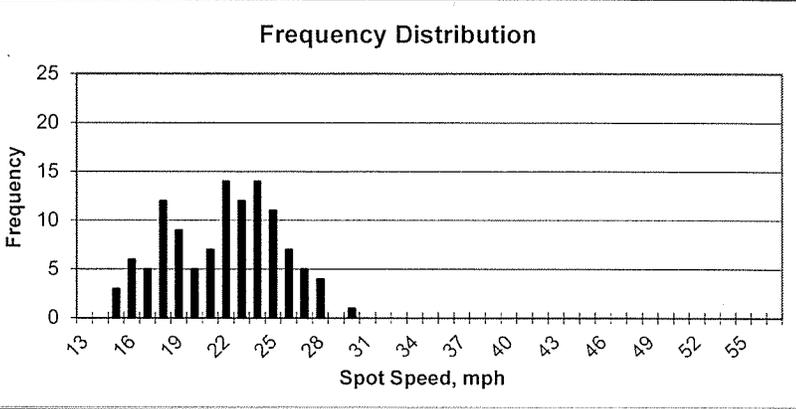
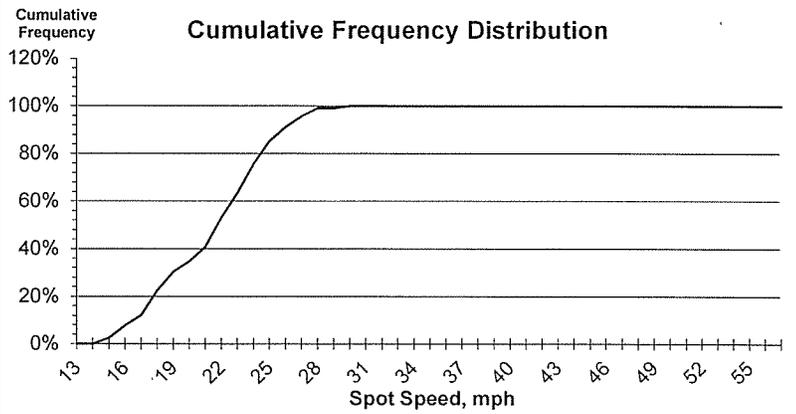
CITY OF MALIBU

Client: KIMLEY-HORN
 Street: John Tyler Drive
 Spt.Sp. Location: Pepperdine University Entrance to Pacific Coast Highway

Ref. # 21

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	3	2.61%	2.61%
16	6	5.22%	7.83%
17	5	4.35%	12.17%
18	12	10.43%	22.61%
19	9	7.83%	30.43%
20	5	4.35%	34.78%
21	7	6.09%	40.87%
22	14	12.17%	53.04%
23	12	10.43%	63.48%
24	14	12.17%	75.65%
25	11	9.57%	85.22%
26	7	6.09%	91.30%
27	5	4.35%	95.65%
28	4	3.48%	99.13%
29	0	0.00%	99.13%
30	1	0.87%	100.00%
31	0	0.00%	100.00%
32	0	0.00%	100.00%
33	0	0.00%	100.00%
34	0	0.00%	100.00%
35	0	0.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	115	100%	

Date:	<u>3/13/2014</u>	Day:	<u>Thursday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>9:30 A.M.</u>	To	<u>11:05 A.M.</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>N/A</u>		
Channelization:	<u>Raised median</u>		
Street Width:	<u>45'</u>		
Comm./Resid.:	<u>Residential and University</u>		
DIRECTION:	<u>Northbound / Southbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	<u>N/A</u>		
Standard Deviation:	<u>N/A</u>		
Standard error of the mean:	<u>N/A</u>		
15th Percentile:	<u>18</u>		
50th Percentile:	<u>22</u>		
85th Percentile:	<u>25</u>		
10 Mile Pace:	<u>17</u>	to	<u>26</u>
% of Samples in 10-Mile Pace:	<u>83.48%</u>		
# in 10 MPH pace:	<u>96</u>		
Comments:	<u></u>		



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

22

STREET	KANAN DUME ROAD	CERTIFICATION DATE:	4/21/2015
FROM	North City Limit	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/12/2014	Posted Speed Limit	50 mph
Time of Speed Survey	11:03 A.M. to 11:23 A.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	44	85th percentile speed	
85th Percentile Speed	49		
10 mph Pace Speed	39-48		
Percentage of Vehicles in Pace	75%	Recommended Speed Limit	<u>50 mph</u>
Number of Survey Samples	200		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	4
Collision Rate (ACC/MVM)	0.40
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	9,680	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Signalized at Pacific Coast Highway; stop-controlled at Mt. Dume Ln and Galahad Dr		
Crosswalks?	At Pacific Coast Highway		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	Yes		
Sidewalks?	No		
Driveways?	No		

ROADWAY FACTORS

Length of Segment	5,000'
Width	Var
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair; striped median
Lighting	Yes
Adjacent Land Use	Single family residential

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	Date	TE 2531 State Registration Number
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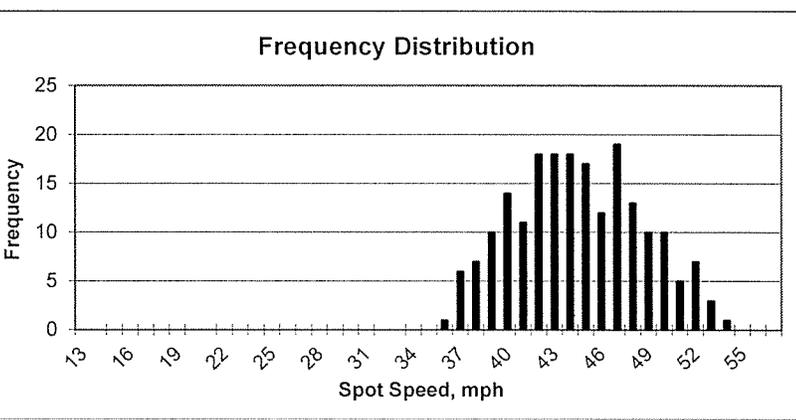
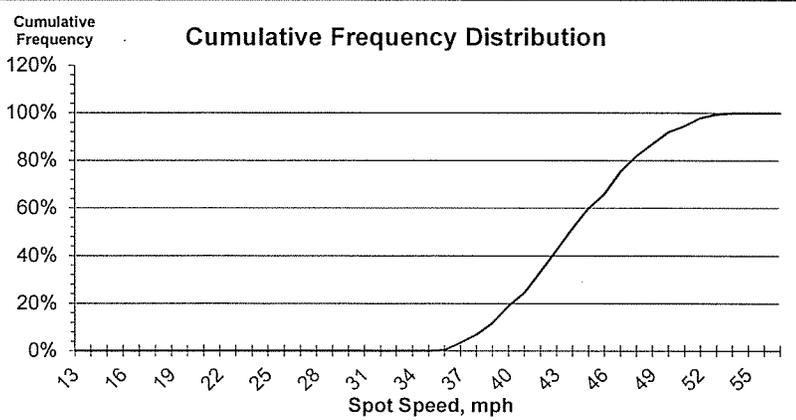
CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Kanan Dume Road
 Spt.Spd. Location: Pacific Coast Highway to North City Limit

Ref. # 22

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	0	0.00%	0.00%
27	0	0.00%	0.00%
28	0	0.00%	0.00%
29	0	0.00%	0.00%
30	0	0.00%	0.00%
31	0	0.00%	0.00%
32	0	0.00%	0.00%
33	0	0.00%	0.00%
34	0	0.00%	0.00%
35	0	0.00%	0.00%
36	1	0.50%	0.50%
37	6	3.00%	3.50%
38	7	3.50%	7.00%
39	10	5.00%	12.00%
40	14	7.00%	19.00%
41	11	5.50%	24.50%
42	18	9.00%	33.50%
43	18	9.00%	42.50%
44	18	9.00%	51.50%
45	17	8.50%	60.00%
46	12	6.00%	66.00%
47	19	9.50%	75.50%
48	13	6.50%	82.00%
49	10	5.00%	87.00%
50	10	5.00%	92.00%
51	5	2.50%	94.50%
52	7	3.50%	98.00%
53	3	1.50%	99.50%
54	1	0.50%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	200	100%	

Date:	<u>3/12/2014</u>	Day:	<u>Wednesday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>11:03 A.M.</u>	To	<u>11:23 A.M.</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>50 mph</u>		
Channelization:	<u>Painted median</u>		
Street Width:	<u>36'</u>		
Comm./Resid.:	<u>Residential</u>		
DIRECTION:	<u>Northbound / Southbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	<u>N/A</u>		
Standard Deviation:	<u>N/A</u>		
Standard error of the mean:	<u>N/A</u>		
15th Percentile:	<u>40</u>		
50th Percentile:	<u>44</u>		
85th Percentile:	<u>49</u>		
10 Mile Pace:	<u>39</u>	to	<u>48</u>
% of Samples in 10-Mile Pace:	<u>75.00%</u>		
# in 10 MPH pace:	<u>150</u>		
Comments:	<u></u>		



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

23

STREET	LAS FLORES CANYON ROAD	CERTIFICATION DATE:	4/21/2015
FROM	North City Limit	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/11/2014	Posted Speed Limit	25 mph
Time of Speed Survey	1:30 P.M. to 2:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	28	85th percentile speed downgraded due to high collision rate and restricted sight distance from vertical and horizontal road curvature	
85th Percentile Speed	32		
10 mph Pace Speed	22-31		
Percentage of Vehicles in Pace	80%	Recommended Speed Limit	<u>25 mph</u>
Number of Survey Samples	100		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	7
Collision Rate (ACC/MVM)	5.49
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	2,050	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Signalized at Pacific Coast Highway		
Crosswalks?	At Pacific Coast Highway		
Pedestrian Traffic	Moderate		
Truck Traffic	None present		
On-Street Parking	Yes		
Sidewalks?	No		
Driveways?	Multiple		

ROADWAY FACTORS

Length of Segment	3,000'
Width	22'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Good
Lighting	No
Adjacent Land Use	Single family residential; school

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
Date		State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Las Flores Canyon Road
 Spt.Sp. Location: Pacific Coast Highway to North City Limit

Ref. # 23

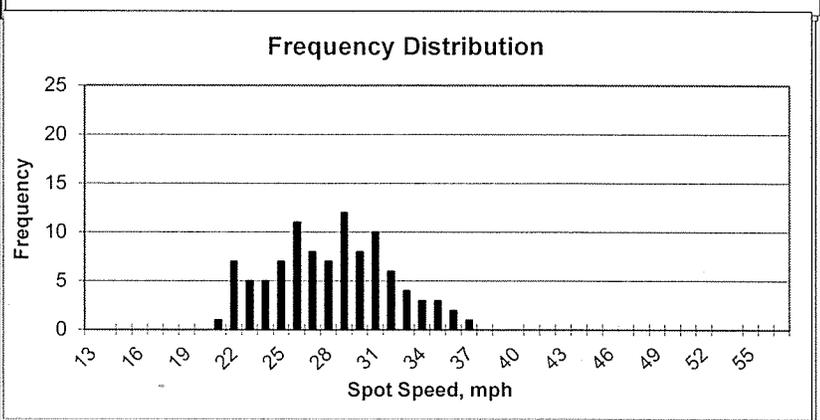
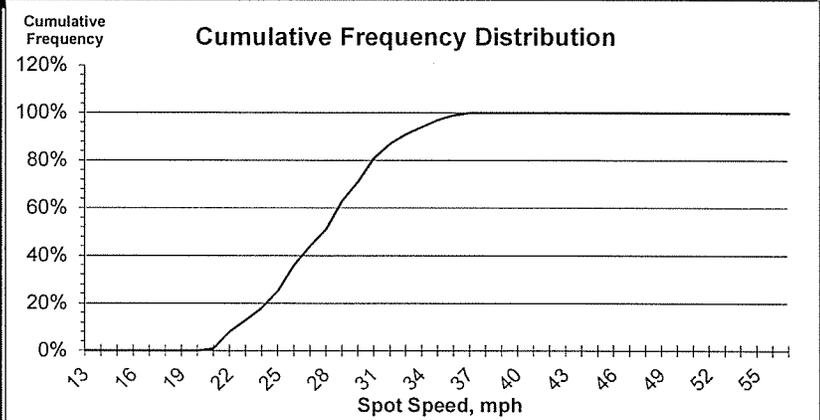
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	1	1.00%	1.00%
22	7	7.00%	8.00%
23	5	5.00%	13.00%
24	5	5.00%	18.00%
25	7	7.00%	25.00%
26	11	11.00%	36.00%
27	8	8.00%	44.00%
28	7	7.00%	51.00%
29	12	12.00%	63.00%
30	8	8.00%	71.00%
31	10	10.00%	81.00%
32	6	6.00%	87.00%
33	4	4.00%	91.00%
34	3	3.00%	94.00%
35	3	3.00%	97.00%
36	2	2.00%	99.00%
37	1	1.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	100	100%	

Date: 3/11/2014 Day: Tuesday
 Weather: Dry, clear
 Hours: 1:30 P.M. To 2:30 P.M.
 Recorder: NDS
 Posted Speed: 25 mph
 Channelization: Solid striping w-way traffic
 Street Width: 22'
 Comm./Resid.: Residential
 DIRECTION: Eastbound / Westbound Combined

DATA ANALYSIS:

Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	24
50th Percentile:	28
85th Percentile:	32
10 Mile Pace:	22 to 31
% of Samples in 10-Mile Pace:	80.00%
# in 10 MPH pace:	80

Comments: _____



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

24

STREET	LATIGO CANYON ROAD	CERTIFICATION DATE:	4/21/2015
FROM	North City Limit	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/13/2014	Posted Speed Limit	30 mph
Time of Speed Survey	9:35 A.M. to 12:35 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	31	85th percentile speed downgraded due to restricted sight distance from vertical and horizontal road curvature	
85th Percentile Speed	37		
10 mph Pace Speed	26-35		
Percentage of Vehicles in Pace	57%	Recommended Speed Limit	<u>30 mph</u>
Number of Survey Samples	330		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	3
Collision Rate (ACC/MVM)	1.37
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	1,066	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled		
Crosswalks?	No		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	No		
Sidewalks?	No		
Driveways?	No		

ROADWAY FACTORS

Length of Segment	9,900'
Width	22'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Good; sharp turns
Lighting	No
Adjacent Land Use	Single family residential and vacant

Field Study By KHA Checked By KHA

CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
	Date	State Registration Number

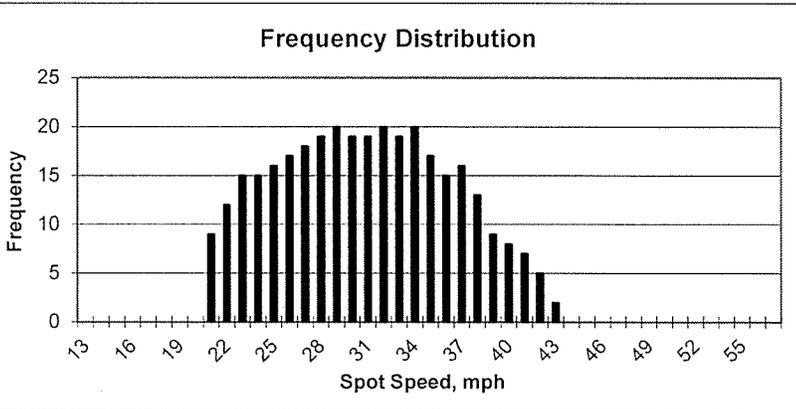
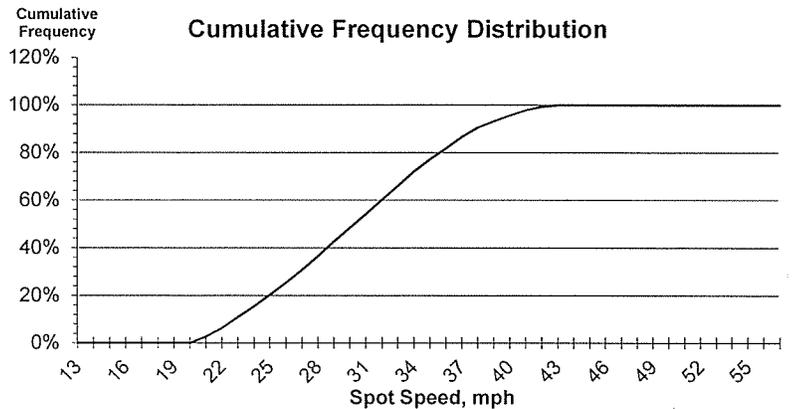
CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Latigo Canyon Road
 Spt.Spd. Location: North City Limit to Pacific Coast Highway

Ref. # 24

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	9	2.73%	2.73%
22	12	3.64%	6.36%
23	15	4.55%	10.91%
24	15	4.55%	15.45%
25	16	4.85%	20.30%
26	17	5.15%	25.45%
27	18	5.45%	30.91%
28	19	5.76%	36.67%
29	20	6.06%	42.73%
30	19	5.76%	48.48%
31	19	5.76%	54.24%
32	20	6.06%	60.30%
33	19	5.76%	66.06%
34	20	6.06%	72.12%
35	17	5.15%	77.27%
36	15	4.55%	81.82%
37	16	4.85%	86.67%
38	13	3.94%	90.61%
39	9	2.73%	93.33%
40	8	2.42%	95.76%
41	7	2.12%	97.88%
42	5	1.52%	99.39%
43	2	0.61%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	330	100%	

Date:	<u>3/13/2014</u>	Day:	<u>Thursday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>9:35 A.M.</u>	To	<u>12:35 P.M.</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>30 mph</u>		
Channelization:	<u>Solid striping 2-way traffic</u>		
Street Width:	<u>22'</u>		
Comm./Resid.:	<u>Residential</u>		
DIRECTION:	<u>Northbound / Southbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	<u>N/A</u>		
Standard Deviation:	<u>N/A</u>		
Standard error of the mean:	<u>N/A</u>		
15th Percentile:	<u>24</u>		
50th Percentile:	<u>31</u>		
85th Percentile:	<u>37</u>		
10 Mile Pace:	<u>26</u>	to	<u>35</u>
% of Samples in 10-Mile Pace:	<u>56.97%</u>		
# in 10 MPH pace:	<u>188</u>		
Comments:			



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

25

STREET	MALIBU CANYON ROAD	CERTIFICATION DATE:	4/21/2015
FROM	North City Limit	TO	Civic Center Way

SPEED FACTORS

Date of Speed Survey	3/18/2014	Posted Speed Limit	45 mph
Time of Speed Survey	9:30 A.M. to 11:00 A.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	46	85th percentile speed downgraded due to restricted sight distance from horizontal and vertical road curvature	
85th Percentile Speed	50		
10 mph Pace Speed	42-51		
Percentage of Vehicles in Pace	81%	Recommended Speed Limit	<u>45 mph</u>
Number of Survey Samples	100		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	4
Collision Rate (ACC/MVM)	0.25
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	23,202	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Signalized at Civic Center Way; stop-controlled at Poller Rd, Harbor Vista Dr, and Malibu Knolls Rd		
Crosswalks?	No		
Pedestrian Traffic	None present		
Truck Traffic	Moderate		
On-Street Parking	No		
Sidewalks?	No		
Driveways?	Minimal		

ROADWAY FACTORS

Length of Segment	3,300'
Width	Var
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair; striped median
Lighting	Yes
Adjacent Land Use	Single family residential and church

Field Study By	KHA	Checked By	KHA
----------------	-----	------------	-----

CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
	Date	State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Malibu Canyon Road
 Spt.Sp. Location: North City Limit to Civic Center Way Ref. # 25

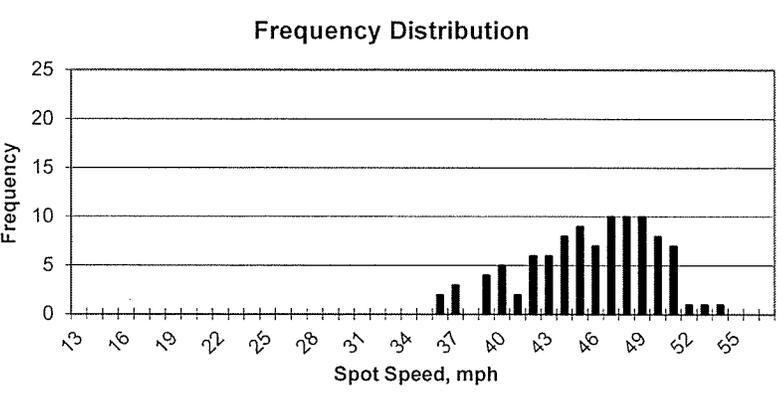
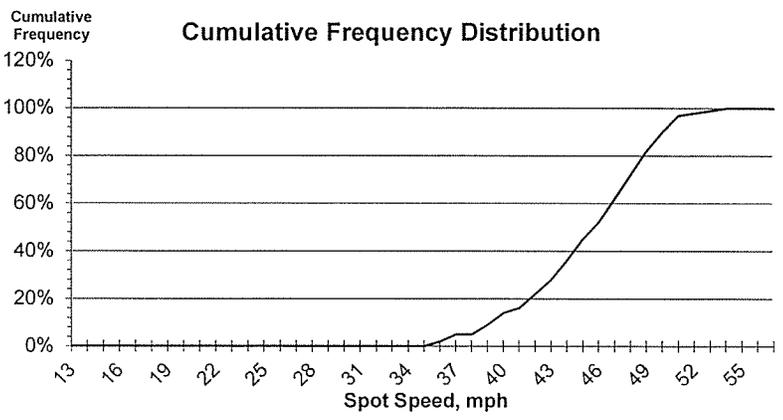
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	0	0.00%	0.00%
27	0	0.00%	0.00%
28	0	0.00%	0.00%
29	0	0.00%	0.00%
30	0	0.00%	0.00%
31	0	0.00%	0.00%
32	0	0.00%	0.00%
33	0	0.00%	0.00%
34	0	0.00%	0.00%
35	0	0.00%	0.00%
36	2	2.00%	2.00%
37	3	3.00%	5.00%
38	0	0.00%	5.00%
39	4	4.00%	9.00%
40	5	5.00%	14.00%
41	2	2.00%	16.00%
42	6	6.00%	22.00%
43	6	6.00%	28.00%
44	8	8.00%	36.00%
45	9	9.00%	45.00%
46	7	7.00%	52.00%
47	10	10.00%	62.00%
48	10	10.00%	72.00%
49	10	10.00%	82.00%
50	8	8.00%	90.00%
51	7	7.00%	97.00%
52	1	1.00%	98.00%
53	1	1.00%	99.00%
54	1	1.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	100	100%	

Date: 3/18/2014 Day: Tuesday
 Weather: Dry, clear
 Hours: 9:30 A.M. To 11:00 A.M.
 Recorder: NDS
 Posted Speed: 45 mph
 Channelization: Solid striping 2-way traffic
 Street Width: Var
 Comm./Resid.: Residential and church
 DIRECTION: Eastbound / Westbound Combined

DATA ANALYSIS:

Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	41
50th Percentile:	46
85th Percentile:	50
10 Mile Pace:	42 to 51
% of Samples in 10-Mile Pace:	81.00%
# in 10 MPH pace:	81

Comments: _____



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

26

STREET	MALIBU CANYON ROAD	CERTIFICATION DATE:	4/21/2015
FROM	Civic Center Way	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/18/2014	Posted Speed Limit	45 mph
Time of Speed Survey	1:30 P.M. to 3:00 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	41	85th percentile speed downgraded due to restricted sight distance from horizontal and vertical road curvature	
85th Percentile Speed	48		
10 mph Pace Speed	39-48		
Percentage of Vehicles in Pace	61%	Recommended Speed Limit	<u>45 mph</u>
Number of Survey Samples	100		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	6
Collision Rate (ACC/MVM)	0.98
Expected Collisions (ACC/MVM)	1.42

TRAFFIC FACTORS

Average Daily Traffic	14,109	Date Counted	3/18/2014
Number of Lanes	Two lanes in each direction		
Type of Traffic Control	Signalized at Pacific Coast Highway and Civic Center Way		
Crosswalks?	Yes		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	Yes		
Sidewalks?	Yes		
Driveways?	No		

ROADWAY FACTORS

Length of Segment	2,100'
Width	Var
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair; striped median
Lighting	Yes
Adjacent Land Use	University

Field Study By KHA Checked By KHA

CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
	Date	State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Malibu Canyon Road
 Spt.Sp. Location: Civic Center Way to Pacific Coast Highway Ref. # 26

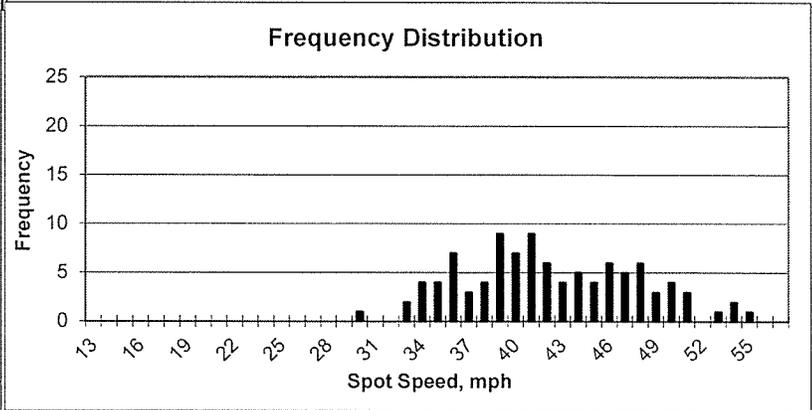
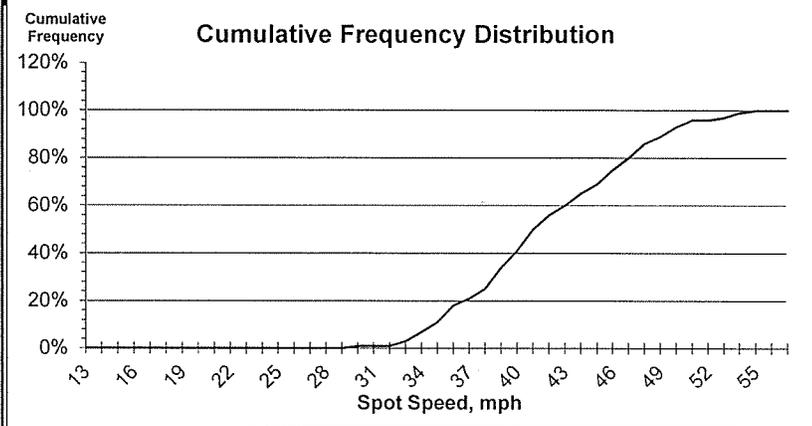
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	0	0.00%	0.00%
27	0	0.00%	0.00%
28	0	0.00%	0.00%
29	0	0.00%	0.00%
30	1	1.00%	1.00%
31	0	0.00%	1.00%
32	0	0.00%	1.00%
33	2	2.00%	3.00%
34	4	4.00%	7.00%
35	4	4.00%	11.00%
36	7	7.00%	18.00%
37	3	3.00%	21.00%
38	4	4.00%	25.00%
39	9	9.00%	34.00%
40	7	7.00%	41.00%
41	9	9.00%	50.00%
42	6	6.00%	56.00%
43	4	4.00%	60.00%
44	5	5.00%	65.00%
45	4	4.00%	69.00%
46	6	6.00%	75.00%
47	5	5.00%	80.00%
48	6	6.00%	86.00%
49	3	3.00%	89.00%
50	4	4.00%	93.00%
51	3	3.00%	96.00%
52	0	0.00%	96.00%
53	1	1.00%	97.00%
54	2	2.00%	99.00%
55	1	1.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	100	100%	

Date: 3/18/2014 Day: Tuesday
 Weather: Dry, clear
 Hours: 1:30 P.M. To 3:00 P.M.
 Recorder: NDS
 Posted Speed: 45 mph
 Channelization: Double solid striping 2-way traffic
 Street Width: Var
 Comm./Resid.: University and vacant
 DIRECTION: Northbound / Southbound Combined

DATA ANALYSIS:

Mean Speed:	N/A	
Standard Deviation:	N/A	
Standard error of the mean:	N/A	
15th Percentile:	36	
50th Percentile:	41	
85th Percentile:	48	
10 Mile Pace:	39	to 48
% of Samples in 10-Mile Pace:	61.00%	
# in 10 MPH pace:	61	

Comments: _____



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

30

STREET	MERRITT DRIVE	CERTIFICATION DATE:	4/21/2015
FROM	Morning View Drive	TO	Busch Drive

SPEED FACTORS

Date of Speed Survey	3/13/2014	Posted Speed Limit	30 mph
Time of Speed Survey	1:30 P.M. to 4:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	31	85th percentile speed downgraded due to sight restriction from vertical and horizontal road curvature	
85th Percentile Speed	35		
10 mph Pace Speed	26-35		
Percentage of Vehicles in Pace	77%	Recommended Speed Limit	<u>30 mph</u>
Number of Survey Samples	150		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	541	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled		
Crosswalks?	No		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	Street-adjacent in some areas along segment		
Sidewalks?	No		
Driveways?	Multiple		

ROADWAY FACTORS

Length of Segment	3,000'
Width	22'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair
Lighting	No
Adjacent Land Use	Single family residential; vacant

Field Study By KHA Checked By KHA

CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
Date		State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Merritt Drive
 Spt.Spd. Location: Morning View Drive to Busch Drive

Ref. # 30

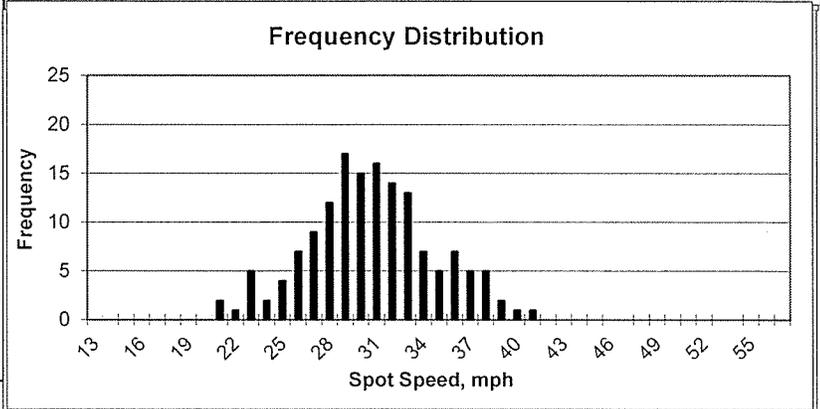
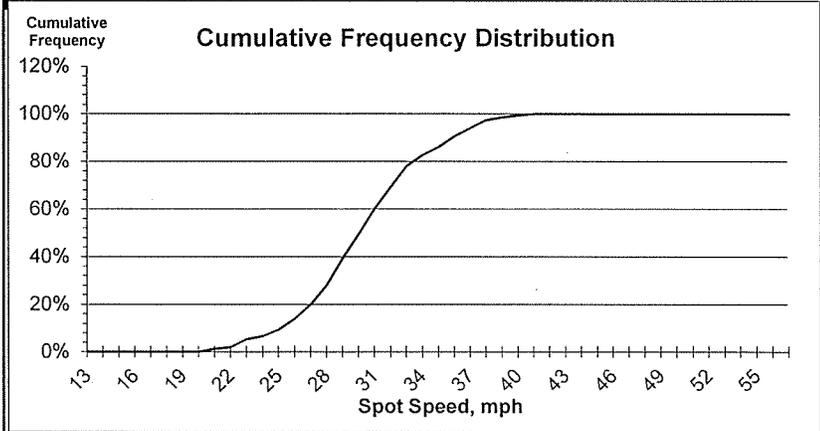
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	2	1.33%	1.33%
22	1	0.67%	2.00%
23	5	3.33%	5.33%
24	2	1.33%	6.67%
25	4	2.67%	9.33%
26	7	4.67%	14.00%
27	9	6.00%	20.00%
28	12	8.00%	28.00%
29	17	11.33%	39.33%
30	15	10.00%	49.33%
31	16	10.67%	60.00%
32	14	9.33%	69.33%
33	13	8.67%	78.00%
34	7	4.67%	82.67%
35	5	3.33%	86.00%
36	7	4.67%	90.67%
37	5	3.33%	94.00%
38	5	3.33%	97.33%
39	2	1.33%	98.67%
40	1	0.67%	99.33%
41	1	0.67%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	150	100%	

Date: 3/13/2014 Day: Thursday
 Weather: Dry, clear
 Hours: 1:30 P.M. To 4:30 P.M.
 Recorder: NDS
 Posted Speed: 30 mph
 Channelization: Skip dash and solid 2-way traffic
 Street Width: 22'
 Comm./Resid.: Residential
 DIRECTION: Eastbound / Westbound Combined

DATA ANALYSIS:

Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	27
50th Percentile:	31
85th Percentile:	35
10 Mile Pace:	26 to 35
% of Samples in 10-Mile Pace:	76.67%
# in 10 MPH pace:	115

Comments: _____



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

31

STREET	MORNING VIEW DRIVE	CERTIFICATION DATE:	4/21/2015
FROM	Guernsey Avenue	TO	Via Cabrillo

SPEED FACTORS

Date of Speed Survey	3/12/2014	Posted Speed Limit	30 mph
Time of Speed Survey	1:30 P.M. to 4:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	30	85th percentile speed downgraded due to restricted sight distance from horizontal and vertical road curvature	
85th Percentile Speed	35		
10 mph Pace Speed	25-34		
Percentage of Vehicles in Pace	75%	Recommended Speed Limit	<u>30 mph</u>
Number of Survey Samples	290		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	1
Collision Rate (ACC/MVM)	1.36
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	1,420	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled at Guernsey Ave and Phillip Ave		
Crosswalks?	No		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	Street-adjacent		
Sidewalks?	Yes, in some areas on east side of segment		
Driveways?	Multiple		

ROADWAY FACTORS

Length of Segment	2,500'
Width	Var
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair
Lighting	No
Adjacent Land Use	Single family residential

Field Study By KHA Checked By KHA

CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
Date		State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Morning View Drive
 Spt.Sp. Location: Guernsey Avenue to Via Cabrillo

Ref. # 31

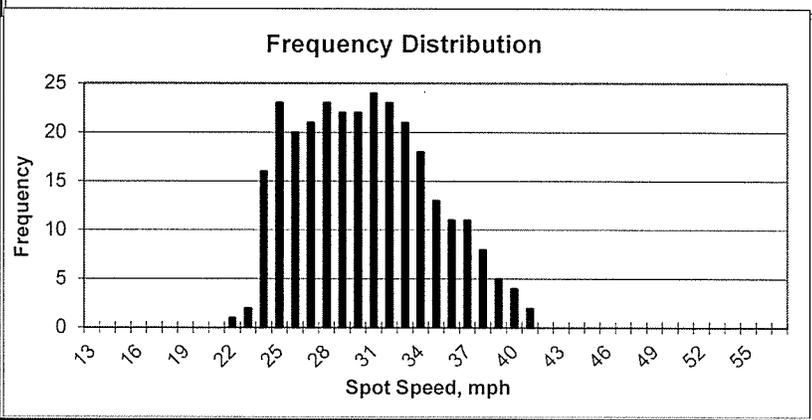
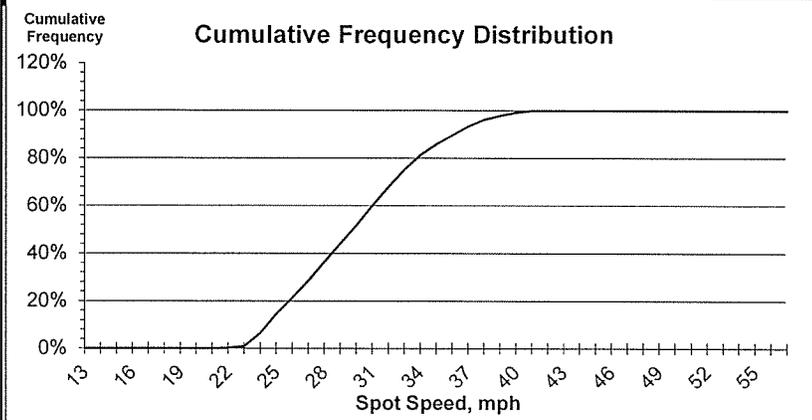
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	1	0.34%	0.34%
23	2	0.69%	1.03%
24	16	5.52%	6.55%
25	23	7.93%	14.48%
26	20	6.90%	21.38%
27	21	7.24%	28.62%
28	23	7.93%	36.55%
29	22	7.59%	44.14%
30	22	7.59%	51.72%
31	24	8.28%	60.00%
32	23	7.93%	67.93%
33	21	7.24%	75.17%
34	18	6.21%	81.38%
35	13	4.48%	85.86%
36	11	3.79%	89.66%
37	11	3.79%	93.45%
38	8	2.76%	96.21%
39	5	1.72%	97.93%
40	4	1.38%	99.31%
41	2	0.69%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	290	100%	

Date: 3/12/2014 Day: Wednesday
 Weather: Dry, clear
 Hours: 1:30 P.M. To 4:30 P.M.
 Recorder: NDS
 Posted Speed: 30 mph
 Channelization: Solid striping 2-way traffic
 Street Width: 22'
 Comm./Resid.: Residential
 DIRECTION: Northbound / Southbound Combined

DATA ANALYSIS:

Mean Speed: N/A
 Standard Deviation: N/A
 Standard error of the mean: N/A
 15th Percentile: 26
 50th Percentile: 30
 85th Percentile: 35
 10 Mile Pace: 25 to 34
 % of Samples in 10-Mile Pace: 74.83%
 # in 10 MPH pace: 217

Comments: _____



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

32

STREET	MORNING VIEW DRIVE	CERTIFICATION DATE:	4/21/2015
FROM	Via Cabrillo	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/19/2014	Posted Speed Limit	30 mph
Time of Speed Survey	1:30 P.M. to 4:30 P.M.	Speed Justification	85th percentile speed
50th Percentile Speed (Mean Speed)	25		
85th Percentile Speed	29		
10 mph Pace Speed	20-29		
Percentage of Vehicles in Pace	74%	Recommended Speed Limit	<u>30 mph</u>
Number of Survey Samples	254		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	2
Collision Rate (ACC/MVM)	1.08
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	3,705	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Signalized at Pacific Coast Highway		
Crosswalks?	Yes, at Pacific Coast Highway and school driveways		
Pedestrian Traffic	Minimal		
Truck Traffic	None present		
On-Street Parking	Yes		
Sidewalks?	Yes		
Driveways?	Multiple		

ROADWAY FACTORS

Length of Segment	2,400'
Width	30'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair; "Share the Road" bike lane
Lighting	No
Adjacent Land Use	Single family residential; church; school; vacant

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
	Date	State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Morning View Drive
 Spt.Sp. Location: Via Cabrillo to Pacific Coast Highway Ref. # 32

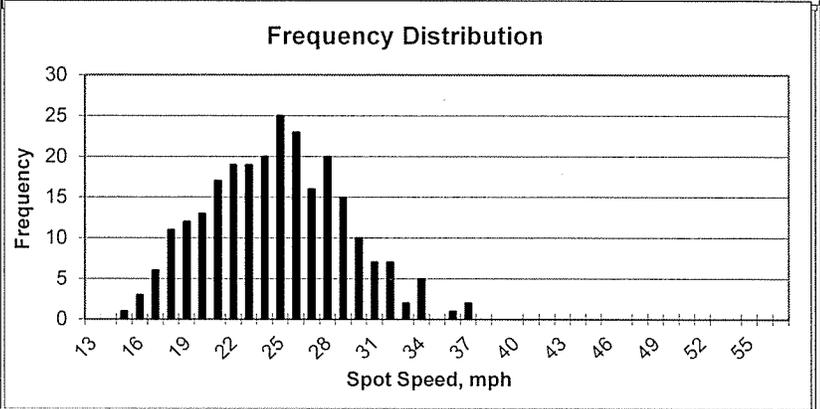
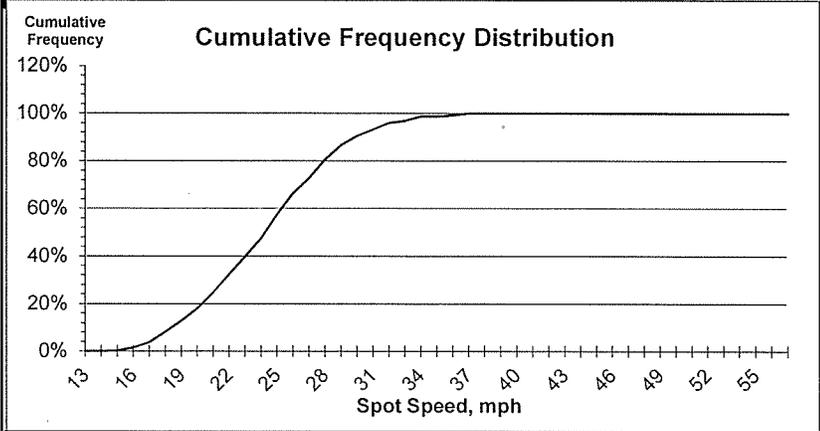
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	1	0.39%	0.39%
16	3	1.18%	1.57%
17	6	2.36%	3.94%
18	11	4.33%	8.27%
19	12	4.72%	12.99%
20	13	5.12%	18.11%
21	17	6.69%	24.80%
22	19	7.48%	32.28%
23	19	7.48%	39.76%
24	20	7.87%	47.64%
25	25	9.84%	57.48%
26	23	9.06%	66.54%
27	16	6.30%	72.83%
28	20	7.87%	80.71%
29	15	5.91%	86.61%
30	10	3.94%	90.55%
31	7	2.76%	93.31%
32	7	2.76%	96.06%
33	2	0.79%	96.85%
34	5	1.97%	98.82%
35	0	0.00%	98.82%
36	1	0.39%	99.21%
37	2	0.79%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	254	100%	

Date: 3/19/2014 Day: Wednesday
 Weather: Dry, clear
 Hours: 1:30 P.M. To 4:30 P.M.
 Recorder: NDS
 Posted Speed: N/A
 Channelization: Solid striping 2-way traffic
 Street Width: 30'
 Comm./Resid.: Residential, church, school and vacant
 DIRECTION: Northbound / Southbound Combined

DATA ANALYSIS:

Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	20
50th Percentile:	25
85th Percentile:	29
10 Mile Pace:	20 to 29
% of Samples in 10-Mile Pace:	73.62%
# in 10 MPH pace:	187

Comments: _____



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

33

STREET	PHILIP AVENUE	CERTIFICATION DATE:	4/21/2015
FROM	Morning View Drive	TO	Cuthbert Road

SPEED FACTORS

Date of Speed Survey	3/19/2014	Posted Speed Limit	Not posted
Time of Speed Survey	12:30 P.M. to 3:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	30	85th percentile speed downgraded due to restricted sight distance from horizontal and vertical curvature	
85th Percentile Speed	37		
10 mph Pace Speed	26-35		
Percentage of Vehicles in Pace	60%	Recommended Speed Limit	<u>30 mph</u>
Number of Survey Samples	120		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	1,047	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled		
Crosswalks?	No		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	No		
Sidewalks?	No		
Driveways?	Multiple		

ROADWAY FACTORS

Length of Segment	2,300'
Width	24'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair; horse crossing sign
Lighting	No
Adjacent Land Use	Single family residential

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
Date	State Registration Number	

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Philip Avenue
 Spt.Spd. Location: Morning View Drive to Cuthbert Road

Ref. # 33

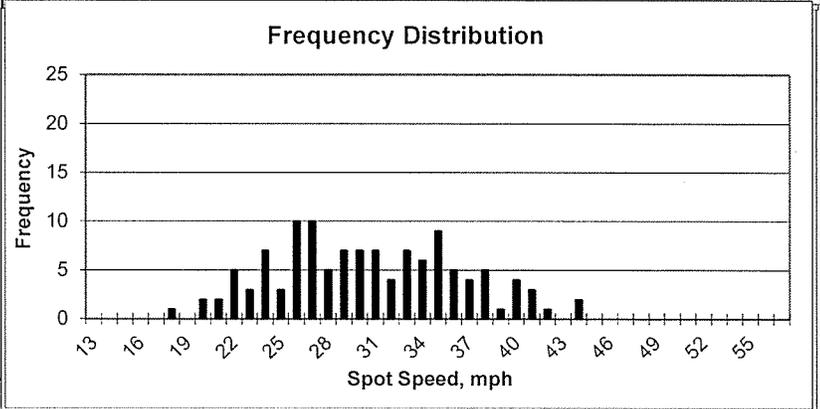
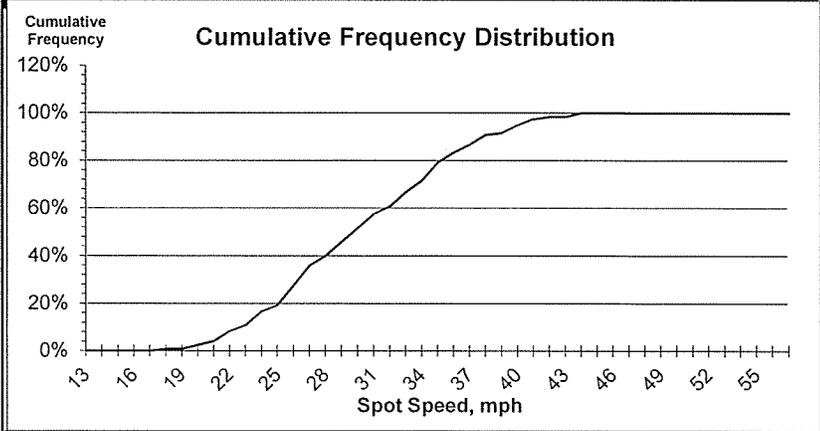
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	1	0.83%	0.83%
19	0	0.00%	0.83%
20	2	1.67%	2.50%
21	2	1.67%	4.17%
22	5	4.17%	8.33%
23	3	2.50%	10.83%
24	7	5.83%	16.67%
25	3	2.50%	19.17%
26	10	8.33%	27.50%
27	10	8.33%	35.83%
28	5	4.17%	40.00%
29	7	5.83%	45.83%
30	7	5.83%	51.67%
31	7	5.83%	57.50%
32	4	3.33%	60.83%
33	7	5.83%	66.67%
34	6	5.00%	71.67%
35	9	7.50%	79.17%
36	5	4.17%	83.33%
37	4	3.33%	86.67%
38	5	4.17%	90.83%
39	1	0.83%	91.67%
40	4	3.33%	95.00%
41	3	2.50%	97.50%
42	1	0.83%	98.33%
43	0	0.00%	98.33%
44	2	1.67%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	120	100%	

Date: 3/19/2014 Day: Wednesday
 Weather: Dry, clear
 Hours: 12:30 P.M. To 3:30 P.M.
 Recorder: NDS
 Posted Speed: N/A
 Channelization: Skip dash 2-way traffic
 Street Width: 24'
 Comm./Resid.: Residential
 DIRECTION: Eastbound / Westbound Combined

DATA ANALYSIS:

Mean Speed:	N/A
Standard Deviation:	N/A
Standard error of the mean:	N/A
15th Percentile:	24
50th Percentile:	30
85th Percentile:	37
10 Mile Pace:	26 to 35
% of Samples in 10-Mile Pace:	60.00%
# in 10 MPH pace:	72

Comments: _____



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

35

STREET	TRANCAS CANYON ROAD	CERTIFICATION DATE:	4/21/2015
FROM	North City Limit	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/18/2014	Posted Speed Limit	30 mph
Time of Speed Survey	9:30 A.M. to 12:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	33	85th percentile speed downgraded due to restricted sight distance from vertical and horizontal road curvature	
85th Percentile Speed	37		
10 mph Pace Speed	28-37		
Percentage of Vehicles in Pace	83%	Recommended Speed Limit	<u>30 mph</u>
Number of Survey Samples	169		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	1,581	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Signalized at Pacific Coast Highway; stop-controlled at Principio Dr, Tapia Dr, and Vista Playa Dr		
Crosswalks?	At Pacific Coast Highway		
Pedestrian Traffic	Minimal		
Truck Traffic	None present		
On-Street Parking	Yes, at east side of segment		
Sidewalks?	At east side of segment		
Driveways?	Multiple, at east side of segment		

ROADWAY FACTORS

Length of Segment	4,400'
Width	30'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair; bus stops
Lighting	No
Adjacent Land Use	Single family residential; vacant

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15 Date	TE 2531 State Registration Number
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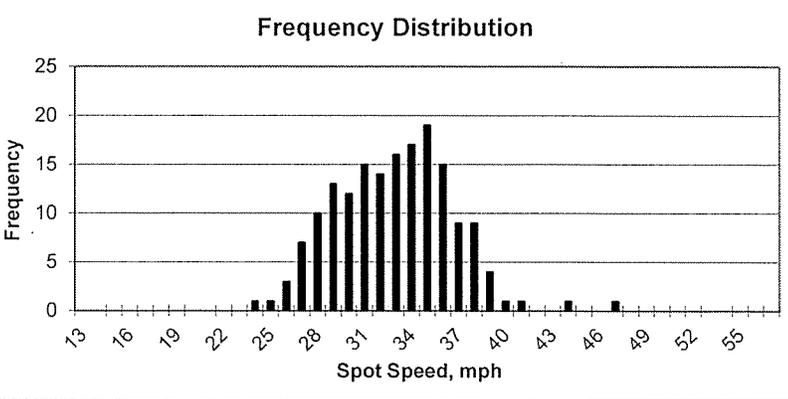
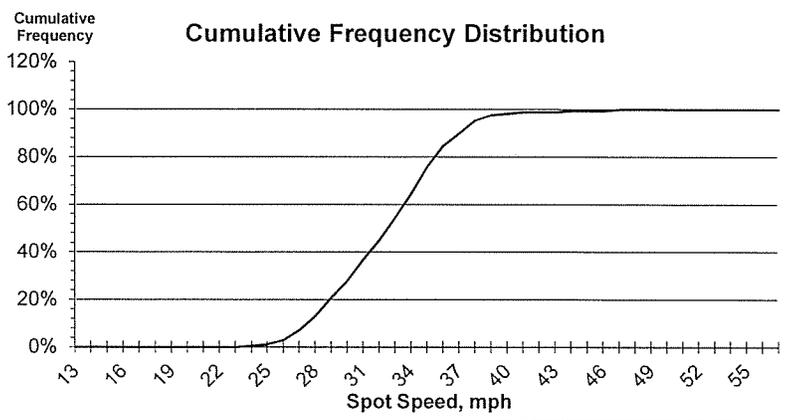
CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Trancas Canyon Road
 Spt.Spd. Location: Pacific Coast Highway to North City Limit

Ref. # 35

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	1	0.59%	0.59%
25	1	0.59%	1.18%
26	3	1.78%	2.96%
27	7	4.14%	7.10%
28	10	5.92%	13.02%
29	13	7.69%	20.71%
30	12	7.10%	27.81%
31	15	8.88%	36.69%
32	14	8.28%	44.97%
33	16	9.47%	54.44%
34	17	10.06%	64.50%
35	19	11.24%	75.74%
36	15	8.88%	84.62%
37	9	5.33%	89.94%
38	9	5.33%	95.27%
39	4	2.37%	97.63%
40	1	0.59%	98.22%
41	1	0.59%	98.82%
42	0	0.00%	98.82%
43	0	0.00%	98.82%
44	1	0.59%	99.41%
45	0	0.00%	99.41%
46	0	0.00%	99.41%
47	1	0.59%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	169	100%	

Date:	<u>3/18/2014</u>	Day:	<u>Tuesday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>9:30 A.M.</u>	To	<u>12:30 P.M.</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>30 mph</u>		
Channelization:	<u>Skip dash 2-way traffic</u>		
Street Width:	<u>30'</u>		
Comm./Resid.:	<u>Residential</u>		
DIRECTION:	<u>Northbound / Southbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	<u>N/A</u>		
Standard Deviation:	<u>N/A</u>		
Standard error of the mean:	<u>N/A</u>		
15th Percentile:	<u>29</u>		
50th Percentile:	<u>33</u>		
85th Percentile:	<u>37</u>		
10 Mile Pace:	<u>28</u>	to	<u>37</u>
% of Samples in 10-Mile Pace:	<u>82.84%</u>		
# in 10 MPH pace:	<u>140</u>		
Comments:	<u></u>		



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

36

STREET	WESTWARD BEACH ROAD	CERTIFICATION DATE:	4/21/2015
FROM	Pacific Coast Highway	TO	Birdview Avenue

SPEED FACTORS

Date of Speed Survey	3/20/2014	Posted Speed Limit	30 mph
Time of Speed Survey	9:30 A.M. to 12:30 P.M.	Speed Justification	85th percentile speed
50th Percentile Speed (Mean Speed)	21		
85th Percentile Speed	28		
10 mph Pace Speed	17-26		
Percentage of Vehicles in Pace	71%	Recommended Speed Limit	<u>30 mph</u>
Number of Survey Samples	291		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	3
Collision Rate (ACC/MVM)	2.14
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	2,704	Date Counted	3/18/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled		
Crosswalks?	No		
Pedestrian Traffic	High		
Truck Traffic	None present		
On-Street Parking	Street-adjacent at both sides of segment		
Sidewalks?	No		
Driveways?	Minimal		

ROADWAY FACTORS

Length of Segment	2,500'
Width	22'
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair; bus stops
Lighting	No
Adjacent Land Use	Beach

Field Study By KHA Checked By KHA

CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
Date		State Registration Number

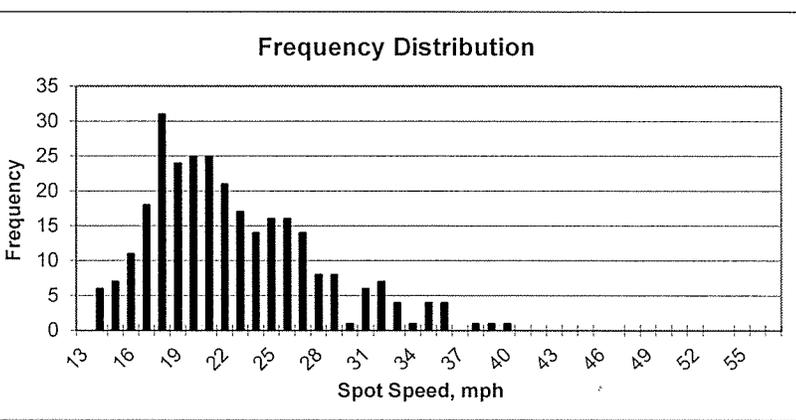
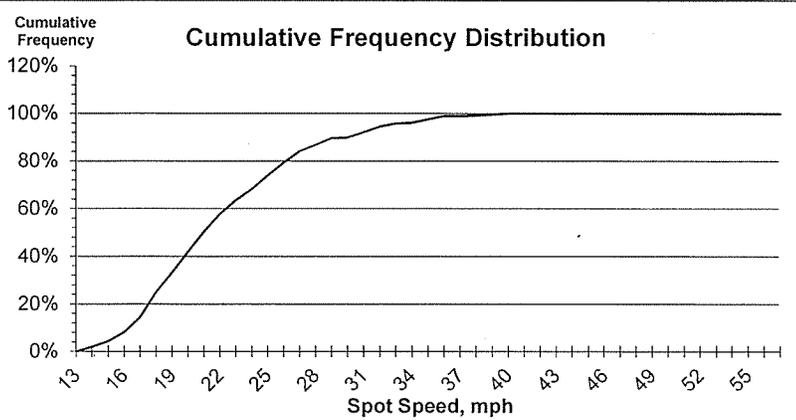
CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Westward Beach Road
 Spt.Spd. Location: Pacific Coast Highway to Birdview Avenue

Ref. # 36

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	6	2.06%	2.06%
15	7	2.41%	4.47%
16	11	3.78%	8.25%
17	18	6.19%	14.43%
18	31	10.65%	25.09%
19	24	8.25%	33.33%
20	25	8.59%	41.92%
21	25	8.59%	50.52%
22	21	7.22%	57.73%
23	17	5.84%	63.57%
24	14	4.81%	68.38%
25	16	5.50%	73.88%
26	16	5.50%	79.38%
27	14	4.81%	84.19%
28	8	2.75%	86.94%
29	8	2.75%	89.69%
30	1	0.34%	90.03%
31	6	2.06%	92.10%
32	7	2.41%	94.50%
33	4	1.37%	95.88%
34	1	0.34%	96.22%
35	4	1.37%	97.59%
36	4	1.37%	98.97%
37	0	0.00%	98.97%
38	1	0.34%	99.31%
39	1	0.34%	99.66%
40	1	0.34%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	291	100%	

Date:	<u>3/20/2014</u>	Day:	<u>Thursday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>9:30 A.M.</u>	To	<u>12:30 P.M.</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>30 mph</u>		
Channelization:	<u>Skip dash and solid striping 2-way traffic</u>		
Street Width:	<u>22'</u>		
Comm./Resid.:	<u>Beach</u>		
DIRECTION:	<u>Eastbound / Westbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	<u>N/A</u>		
Standard Deviation:	<u>N/A</u>		
Standard error of the mean:	<u>N/A</u>		
15th Percentile:	<u>18</u>		
50th Percentile:	<u>21</u>		
85th Percentile:	<u>28</u>		
10 Mile Pace:	<u>17</u>	to	<u>26</u>
% of Samples in 10-Mile Pace:	<u>71.13%</u>		
# in 10 MPH pace:	<u>207</u>		
Comments:			



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

38

STREET	PUERCO CANYON ROAD	CERTIFICATION DATE:	4/21/2015
FROM	Pacific Coast Highway	TO	1000' North of Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	3/18/2014	Posted Speed Limit	Not posted
Time of Speed Survey	1:30 P.M. to 4:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	26	85th percentile speed downgraded due to restricted sight distance due to horizontal and vertical road curvature	
85th Percentile Speed	31		
10 mph Pace Speed	22-31		
Percentage of Vehicles in Pace	72%	Recommended Speed Limit	<u>25 mph</u>
Number of Survey Samples	78		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	199	Date Counted	3/25/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Stop-controlled at Pacific Coast Highway		
Crosswalks?	No		
Pedestrian Traffic	None present		
Truck Traffic	None present		
On-Street Parking	No		
Sidewalks?	No		
Driveways?	Minimal		

ROADWAY FACTORS

Length of Segment	1000'
Width	Var
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restricted due to road curvature
Roadway Conditions	Fair
Lighting	No
Adjacent Land Use	Single family residential

Field Study By KHA Checked By KHA

CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

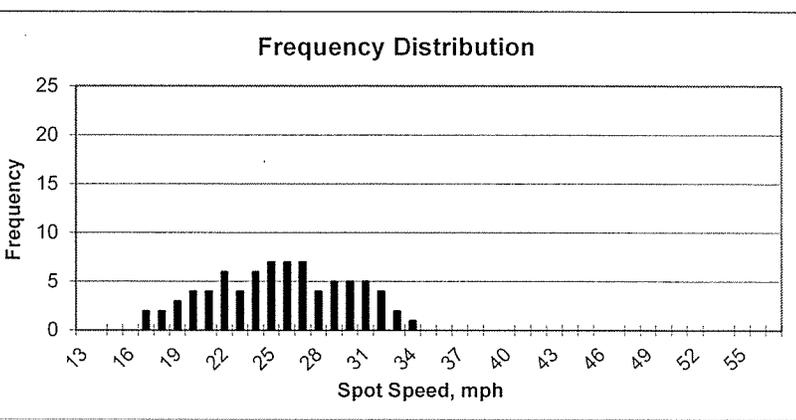
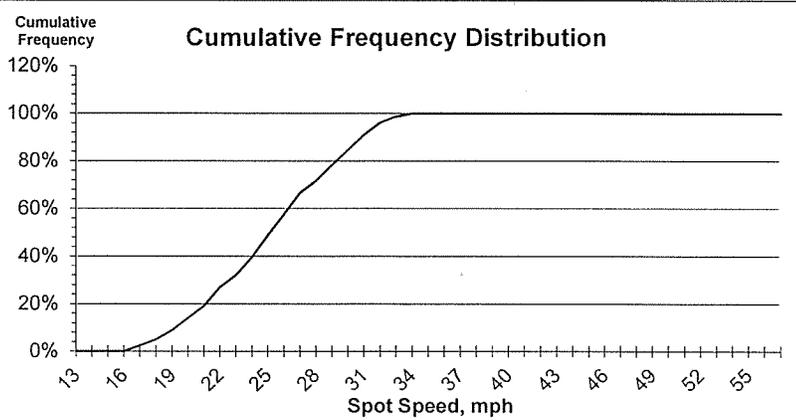
Sri Chakravarthy	21-Apr-15	TE 2531
Date		State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Puerto Canyon Road
 Spt.Spd. Location: Pacific Coast Highway to 1000' North of Pacific Coast Highway Ref. # 38

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	2	2.56%	2.56%
18	2	2.56%	5.13%
19	3	3.85%	8.97%
20	4	5.13%	14.10%
21	4	5.13%	19.23%
22	6	7.69%	26.92%
23	4	5.13%	32.05%
24	6	7.69%	39.74%
25	7	8.97%	48.72%
26	7	8.97%	57.69%
27	7	8.97%	66.67%
28	4	5.13%	71.79%
29	5	6.41%	78.21%
30	5	6.41%	84.62%
31	5	6.41%	91.03%
32	4	5.13%	96.15%
33	2	2.56%	98.72%
34	1	1.28%	100.00%
35	0	0.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	78	100%	

Date:	<u>3/18/2014</u>	Day:	<u>Tuesday</u>
Weather:	<u>Dry, clear</u>		
Hours:	<u>1:30 P.M.</u>	To	<u>4:30 P.M.</u>
Recorder:	<u>NDS</u>		
Posted Speed:	<u>N/A</u>		
Channelization:	<u>No striping 2-way traffic</u>		
Street Width:	<u>30'</u>		
Comm./Resid.:	<u>Residential</u>		
DIRECTION:	<u>Northbound / Southbound Combined</u>		
DATA ANALYSIS:			
Mean Speed:	<u>N/A</u>		
Standard Deviation:	<u>N/A</u>		
Standard error of the mean:	<u>N/A</u>		
15th Percentile:	<u>21</u>		
50th Percentile:	<u>26</u>		
85th Percentile:	<u>31</u>		
10 Mile Pace:	<u>22</u>	to	<u>31</u>
% of Samples in 10-Mile Pace:	<u>71.79%</u>		
# in 10 MPH pace:	<u>56</u>		
Comments:			



CITY OF MALIBU

ENGINEERING AND TRAFFIC SURVEY

40

STREET	RAMBLA PACIFICO	CERTIFICATION DATE:	4/21/2015
FROM	Pacific Coast Highway	TO	Pacific Coast Highway

SPEED FACTORS

Date of Speed Survey	6/17/2014	Posted Speed Limit	25 mph
Time of Speed Survey	9:30 A.M. to 12:30 P.M.	Speed Justification	
50th Percentile Speed (Mean Speed)	26	85th percentile speed downgraded due to restricted sight distance due to horizontal and vertical road curvature	
85th Percentile Speed	31		
10 mph Pace Speed	25-34		
Percentage of Vehicles in Pace	63%	Recommended Speed Limit	<u>25 mph</u>
Number of Survey Samples	73		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.06

TRAFFIC FACTORS

Average Daily Traffic	508	Date Counted	6/24/2014
Number of Lanes	One lane in each direction		
Type of Traffic Control	Signalized at Pacific Coast Highway		
Crosswalks?	At Pacific Coast Highway		
Pedestrian Traffic	Yes		
Truck Traffic	No		
On-Street Parking	Yes		
Sidewalks?	No		
Driveways?	Yes		

ROADWAY FACTORS

Length of Segment	1000'
Width	Var
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Restriction due to vertical and horizontal road curvature.
Roadway Conditions	Narrow Road
Lighting	No
Adjacent Land Use	Commercial

Field Study By	KHA	Checked By	KHA
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CERTIFICATION: I Sri Chakravarthy do hereby certify that this Engineering and Traffic Survey within the within the City of Malibu was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Sri Chakravarthy	21-Apr-15	TE 2531
	Date	State Registration Number

CITY OF MALIBU

Client: KIMLEY-HORN
 Street: Rambla Pacifico
 Spt.Spd. Location: Pacific Coast Highway to 1000' North of PCH Ref. # 40

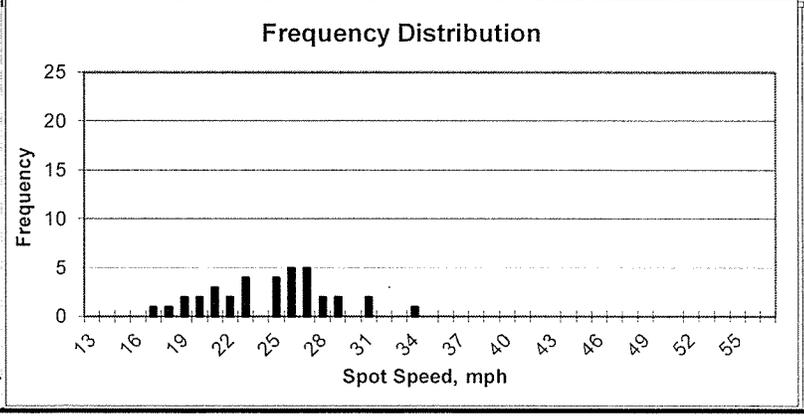
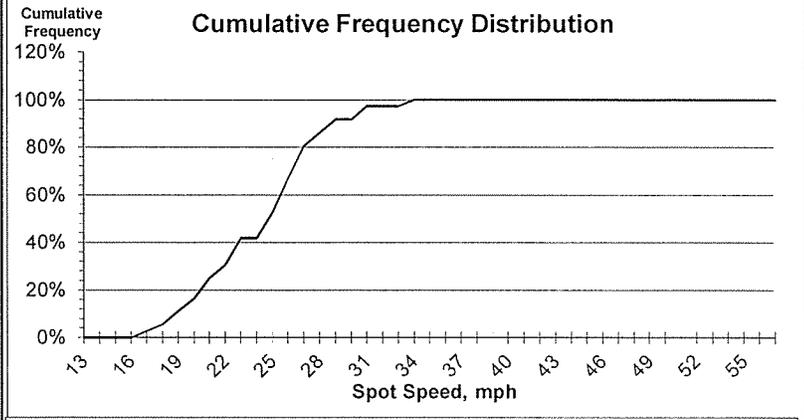
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	1	1.37%	1.37%
19	0	0.00%	1.37%
20	2	2.74%	4.11%
21	6	8.22%	12.33%
22	5	6.85%	19.18%
23	6	8.22%	27.40%
24	8	10.96%	38.36%
25	8	10.96%	49.32%
26	7	9.59%	58.90%
27	8	10.96%	69.86%
28	5	6.85%	76.71%
29	4	5.48%	82.19%
30	2	2.74%	84.93%
31	2	2.74%	87.67%
32	1	1.37%	89.04%
33	1	1.37%	90.41%
34	0	0.00%	90.41%
35	2	2.74%	93.15%
36	1	1.37%	94.52%
37	1	1.37%	95.89%
38	1	1.37%	97.26%
39	0	0.00%	97.26%
40	0	0.00%	97.26%
41	2	2.74%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

Date: 6/17/2014 Day: Tuesday
 Weather: Dry, clear
 Hours: _____ To _____
 Recorder: NDS
 Posted Speed: N/A Pacific Coast Highway
 Channelization: No striping 2-way traffic
 Street Width: Var
 Comm./Resid.: Commercial
 DIRECTION: Northbound / Southbound Combined

DATA ANALYSIS:

Mean Speed:	N/A	
Standard Deviation:	N/A	
Standard error of the mean:	N/A	
15th Percentile:	22	
50th Percentile:	26	
85th Percentile:	31	
10 Mile Pace:	20	to 29
% of Samples in 10-Mile Pace:	80.82%	
# in 10 MPH pace:	46	

Comments: _____



Total: 73 100%

APPENDIX "D"
ADT COUNTS

VOLUME

Big Rock Dr between Cool Oak Way & PCH (Pacific Coast Hwy)

Day: Thursday
Date: 3/20/2014

City: Malibu
Project #: CA14_5141_001

DAILY TOTALS						NB	SB	EB	WB	Total	
						851	830	0	0	1,681	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	3	0			3	12:00	22	12			34
00:15	2	1			3	12:15	13	19			32
00:30	2	1			3	12:30	15	14			29
00:45	0	7	0	2	9	12:45	7	57	11	56	113
01:00	0	1			1	13:00	15	23			38
01:15	0	0			0	13:15	8	10			18
01:30	0	0			0	13:30	20	18			38
01:45	1	1	2	3	4	13:45	18	61	13	64	125
02:00	0	0			0	14:00	17	18			35
02:15	1	0			1	14:15	22	19			41
02:30	1	0			1	14:30	15	17			32
02:45	0	2	0		2	14:45	24	78	16	70	148
03:00	0	0			0	15:00	9	17			26
03:15	1	0			1	15:15	23	21			44
03:30	1	0			1	15:30	14	25			39
03:45	0	2	1	1	3	15:45	12	58	17	80	138
04:00	1	0			1	16:00	6	9			15
04:15	0	0			0	16:15	5	19			24
04:30	1	2			3	16:30	14	12			26
04:45	0	2	1	3	5	16:45	9	34	15	55	89
05:00	1	1			2	17:00	14	17			31
05:15	1	0			1	17:15	10	11			21
05:30	1	0			1	17:30	17	10			27
05:45	1	4	3	4	8	17:45	15	56	15	53	109
06:00	9	0			9	18:00	12	14			26
06:15	6	6			12	18:15	17	9			26
06:30	7	9			16	18:30	16	10			26
06:45	7	29	14	29	58	18:45	12	57	7	40	97
07:00	15	18			33	19:00	10	8			18
07:15	14	13			27	19:15	8	11			19
07:30	8	14			22	19:30	16	4			20
07:45	15	52	10	55	107	19:45	7	41	5	28	69
08:00	9	9			18	20:00	10	3			13
08:15	18	15			33	20:15	5	2			7
08:30	16	22			38	20:30	7	1			8
08:45	13	56	19	65	121	20:45	6	28	2	8	36
09:00	19	15			34	21:00	5	5			10
09:15	14	14			28	21:15	5	2			7
09:30	13	13			26	21:30	8	2			10
09:45	14	60	14	56	116	21:45	1	19	3	12	31
10:00	7	18			25	22:00	6	4			10
10:15	14	24			38	22:15	10	2			12
10:30	14	18			32	22:30	7	2			9
10:45	10	45	10	70	115	22:45	7	30	2	10	40
11:00	9	13			22	23:00	2	2			4
11:15	13	13			26	23:15	6	9			15
11:30	15	13			28	23:30	1	1			2
11:45	23	60	14	53	113	23:45	3	12	1	13	25
TOTALS	320	341			661	TOTALS	531	489			1020
SPLIT %	48.4%	51.6%			39.3%	SPLIT %	52.1%	47.9%			60.7%

DAILY TOTALS						NB	SB	EB	WB	Total	
						851	830	0	0	1,681	
AM Peak Hour	11:15	09:45			08:15	PM Peak Hour	14:00	15:00		14:45	
AM Pk Volume	73	74			137	PM Pk Volume	78	80		149	
Pk Hr Factor	0.793	0.771			0.901	Pk Hr Factor	0.813	0.800		0.847	
7 - 9 Volume	108	120	0	0	228	4 - 6 Volume	90	108	0	0	198
7 - 9 Peak Hour	07:45	08:00			08:00	4 - 6 Peak Hour	17:00	16:15			17:00
7 - 9 Pk Volume	58	65	0	0	121	7 - 9 Pk Volume	56	63	0	0	109
Pk Hr Factor	0.806	0.739	0.000	0.000	0.796	Pk Hr Factor	0.824	0.829	0.000	0.000	0.879

VOLUME

Birdview Ave between Westward Beach & Cliffside Dr

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_S141_002

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	504	536	1,040	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			0	0	0	12:00			12	10	22
00:15			2	1	3	12:15			7	5	12
00:30			0	0	0	12:30			11	11	22
00:45			0	2	0	12:45			10	40	10
01:00			1	1	2	13:00			14	17	31
01:15			0	0	0	13:15			14	7	21
01:30			0	0	0	13:30			13	15	28
01:45			1	2	0	13:45			13	54	11
02:00			0	1	1	14:00			15	9	24
02:15			0	0	0	14:15			9	11	20
02:30			0	0	0	14:30			12	10	22
02:45			0	0	0	14:45			17	53	11
03:00			0	0	0	15:00			9	9	18
03:15			0	0	0	15:15			9	20	29
03:30			0	0	0	15:30			17	16	33
03:45			0	0	0	15:45			7	42	10
04:00			0	0	0	16:00			6	10	16
04:15			0	0	0	16:15			12	14	26
04:30			0	0	0	16:30			8	15	23
04:45			0	0	0	16:45			14	40	13
05:00			0	0	0	17:00			9	10	19
05:15			0	0	0	17:15			3	16	19
05:30			1	0	1	17:30			10	8	18
05:45			1	2	3	17:45			13	35	17
06:00			0	0	0	18:00			8	7	15
06:15			0	0	0	18:15			9	5	14
06:30			1	1	2	18:30			11	15	26
06:45			4	5	2	18:45			3	31	9
07:00			4	6	10	19:00			3	8	11
07:15			2	2	4	19:15			4	8	12
07:30			12	5	17	19:30			10	3	13
07:45			8	26	11	19:45			4	21	0
08:00			4	14	18	20:00			1	0	1
08:15			8	6	14	20:15			1	4	5
08:30			5	12	17	20:30			0	1	1
08:45			10	27	3	20:45			0	2	1
09:00			11	11	22	21:00			1	2	3
09:15			3	6	9	21:15			2	0	2
09:30			5	8	13	21:30			3	2	5
09:45			10	29	12	21:45			1	7	3
10:00			13	9	22	22:00			1	4	5
10:15			15	9	24	22:15			1	3	4
10:30			7	7	14	22:30			1	1	2
10:45			10	45	7	22:45			0	3	0
11:00			11	17	28	23:00			0	0	0
11:15			10	6	16	23:15			0	0	0
11:30			7	10	17	23:30			0	1	1
11:45			9	37	4	23:45			1	1	0
TOTALS			175	174	349	TOTALS			329	362	691
SPLIT %			50.1%	49.9%	33.6%	SPLIT %			47.6%	52.4%	66.4%

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	504	536	1,040	
AM Peak Hour			09:45	07:45	10:15	PM Peak Hour			13:15	14:45	14:45
AM Pk Volume			45	43	83	PM Pk Volume			55	56	108
Pk Hr Factor			0.750	0.768	0.741	Pk Hr Factor			0.917	0.700	0.818
7 - 9 Volume	0	0	53	59	112	4 - 6 Volume	0	0	75	103	178
7 - 9 Peak Hour			07:30	07:45	07:30	4 - 6 Peak Hour			16:15	16:30	16:15
7 - 9 Pk Volume	0	0	32	43	68	4 - 6 Pk Volume	0	0	43	54	95
Pk Hr Factor	0.000	0.000	0.667	0.768	0.895	Pk Hr Factor	0.000	0.000	0.768	0.844	0.880

VOLUME

Boniface Dr between Portshead Rd & Fernhill Dr

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_003

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	320	153	473		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			1	0	1	12:00			6	4	10
00:15			0	1	1	12:15			10	1	11
00:30			0	0	0	12:30			7	1	8
00:45			0	1	0	12:45		29	6	1	7
01:00			0	0	0	13:00			8	3	11
01:15			0	0	0	13:15			4	2	6
01:30			0	0	0	13:30			9	8	17
01:45			0	0	0	13:45		30	9	7	14
02:00			0	0	0	14:00			4	2	6
02:15			0	0	0	14:15			3	4	7
02:30			0	0	0	14:30			10	1	11
02:45			1	1	0	14:45		35	18	7	14
03:00			0	0	0	15:00			8	6	14
03:15			0	0	0	15:15			11	4	15
03:30			0	0	0	15:30			7	3	10
03:45			0	0	0	15:45		30	4	5	18
04:00			0	0	0	16:00			5	2	7
04:15			0	0	0	16:15			6	3	9
04:30			0	0	0	16:30			8	4	12
04:45			0	0	0	16:45		27	8	2	11
05:00			0	0	0	17:00			3	2	5
05:15			0	0	0	17:15			8	2	10
05:30			1	0	1	17:30			4	3	7
05:45			0	1	1	17:45		21	6	1	8
06:00			1	0	1	18:00			6	2	8
06:15			2	0	2	18:15			3	3	6
06:30			0	0	0	18:30			3	0	3
06:45			0	3	0	18:45		17	5	0	5
07:00			5	0	5	19:00			3	2	5
07:15			5	2	7	19:15			5	1	6
07:30			6	0	6	19:30			2	2	4
07:45			3	19	4	19:45		13	3	3	8
08:00			10	4	14	20:00			3	1	4
08:15			10	7	17	20:15			1	0	1
08:30			3	3	6	20:30			2	2	4
08:45			7	30	1	20:45		8	2	1	4
09:00			4	3	7	21:00			0	1	1
09:15			2	0	2	21:15			1	0	1
09:30			3	3	6	21:30			1	1	2
09:45			4	13	4	21:45		2	0	2	0
10:00			5	1	6	22:00			0	1	1
10:15			6	4	10	22:15			3	0	3
10:30			3	0	3	22:30			0	1	1
10:45			4	18	6	22:45		3	0	0	2
11:00			4	3	7	23:00			0	0	0
11:15			6	6	12	23:15			0	0	0
11:30			3	5	8	23:30			0	0	0
11:45			6	19	2	23:45			0	0	0
TOTALS			105	60	165	TOTALS			215	93	308
SPLIT %			63.6%	36.4%	34.9%	SPLIT %			69.8%	30.2%	65.1%

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	320	153	473

AM Peak Hour			08:00	10:45	08:00	PM Peak Hour			14:30	14:45	14:30
AM Pk Volume			30	20	45	PM Pk Volume			47	20	65
Pk Hr Factor			0.750	0.833	0.662	Pk Hr Factor			0.653	0.714	0.650
7 - 9 Volume	0	0	49	21	70	4 - 6 Volume	0	0	48	19	67
7 - 9 Peak Hour			08:00	07:45	08:00	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	30	18	45	4 - 6 Pk Volume	0	0	27	11	38
Pk Hr Factor	0.000	0.000	0.750	0.643	0.662	Pk Hr Factor	0.000	0.000	0.844	0.688	0.792

VOLUME

Portshhead Rd between PCH & Boniface Dr

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_S141_004

DAILY TOTALS					NB	SB	EB	WB	Total		
					269	500	0	0	769		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	1			1	12:00	7	14			21
00:15	0	0			0	12:15	6	10			16
00:30	0	0			0	12:30	7	9			16
00:45	1	1	1	2	2 3	12:45	10	30	14	47	24 77
01:00	0	0			0	13:00	4	10			14
01:15	0	0			0	13:15	2	7			9
01:30	0	0			0	13:30	2	20			22
01:45	0	1	1		1 1	13:45	5	13	12	49	17 62
02:00	0	0			0	14:00	4	12			16
02:15	0	0			0	14:15	5	12			17
02:30	0	0			0	14:30	6	5			11
02:45	0	0			0	14:45	6	21	8	37	14 58
03:00	0	0			0	15:00	9	10			19
03:15	0	0			0	15:15	8	12			20
03:30	0	0			0	15:30	3	10			13
03:45	1	1	0		1 1	15:45	3	23	12	44	15 67
04:00	0	0			0	16:00	3	5			8
04:15	1	1			2	16:15	3	9			12
04:30	0	0			0	16:30	4	3			7
04:45	0	1	1	2	1 3	16:45	4	14	9	26	13 40
05:00	0	1			1	17:00	3	5			8
05:15	0	0			0	17:15	5	7			12
05:30	2	1			3	17:30	3	9			12
05:45	0	2	3	5	3 7	17:45	2	13	6	27	8 40
06:00	2	6			8	18:00	3	5			8
06:15	3	7			10	18:15	2	5			7
06:30	3	8			11	18:30	3	9			12
06:45	5	13	8	29	13 42	18:45	5	13	7	26	12 39
07:00	7	15			22	19:00	0	9			9
07:15	7	14			21	19:15	3	3			6
07:30	5	3			8	19:30	2	1			3
07:45	9	28	7	39	16 67	19:45	4	9	2	15	6 24
08:00	4	7			11	20:00	1	5			6
08:15	5	5			10	20:15	3	6			9
08:30	5	7			12	20:30	1	2			3
08:45	4	18	7	26	11 44	20:45	2	7	2	15	4 22
09:00	3	3			6	21:00	1	1			2
09:15	3	11			14	21:15	0	6			6
09:30	5	6			11	21:30	0	0			0
09:45	5	16	7	27	12 43	21:45	0	1	0	7	0 8
10:00	7	12			19	22:00	0	0			0
10:15	7	7			14	22:15	0	0			0
10:30	8	4			12	22:30	0	1			1
10:45	4	26	7	30	11 56	22:45	0	0	1		0 1
11:00	7	9			16	23:00	0	1			1
11:15	5	12			17	23:15	0	0			0
11:30	4	8			12	23:30	0	1			1
11:45	3	19	14	43	17 62	23:45	0	0	2		0 2
TOTALS	125	204			329	TOTALS	144	296			440
SPLIT %	38.0%	62.0%			42.8%	SPLIT %	32.7%	67.3%			57.2%

DAILY TOTALS					NB	SB	EB	WB	Total
					269	500	0	0	769
AM Peak Hour	07:00	11:15			11:45	PM Peak Hour	12:00	13:30	12:00
AM Pk Volume	28	48			70	PM Pk Volume	30	56	77
Pk Hr Factor	0.778	0.857			0.833	Pk Hr Factor	0.750	0.700	0.802
7 - 9 Volume	46	65	0	0	111	4 - 6 Volume	27	53	0 80
7 - 9 Peak Hour	07:00	07:00			07:00	4 - 6 Peak Hour	16:30	16:45	16:45
7 - 9 Pk Volume	28	39	0	0	67	4 - 6 Pk Volume	16	30	0 45
Pk Hr Factor	0.778	0.650	0.000	0.000	0.761	Pk Hr Factor	0.800	0.833	0.000 0.000 0.865

VOLUME

Broad Beach Rd between PCH (East) & PCH (West)

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_005

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	586	494	1,080	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			0	0	0	12:00			4	9	13
00:15			0	1	1	12:15			9	12	21
00:30			0	0	0	12:30			10	9	19
00:45			1	1	2	12:45			8	31	39
01:00			0	0	0	13:00			16	13	29
01:15			0	1	1	13:15			12	6	18
01:30			0	0	0	13:30			7	10	17
01:45			0	0	0	13:45			12	47	59
02:00			0	0	0	14:00			14	12	26
02:15			0	0	0	14:15			8	8	16
02:30			0	0	0	14:30			10	10	20
02:45			0	0	0	14:45			7	39	46
03:00			2	0	2	15:00			10	13	23
03:15			2	1	3	15:15			20	14	34
03:30			3	3	6	15:30			15	15	30
03:45			0	7	7	15:45			13	58	71
04:00			0	0	0	16:00			9	8	17
04:15			0	1	1	16:15			16	11	27
04:30			0	1	1	16:30			6	9	15
04:45			0	0	0	16:45			13	44	57
05:00			1	1	2	17:00			12	6	18
05:15			0	0	0	17:15			6	7	13
05:30			0	0	0	17:30			9	6	15
05:45			2	3	5	17:45			8	35	43
06:00			5	4	9	18:00			5	6	11
06:15			3	1	4	18:15			13	7	20
06:30			4	3	7	18:30			3	5	8
06:45			14	26	40	18:45			8	29	37
07:00			4	3	7	19:00			4	4	8
07:15			6	6	12	19:15			6	4	10
07:30			4	3	7	19:30			13	5	18
07:45			8	22	30	19:45			6	29	35
08:00			6	4	10	20:00			11	4	15
08:15			9	7	16	20:15			8	8	16
08:30			10	10	20	20:30			2	3	5
08:45			9	34	43	20:45			5	26	31
09:00			9	5	14	21:00			7	3	10
09:15			8	15	23	21:15			3	2	5
09:30			9	14	23	21:30			3	4	7
09:45			14	40	54	21:45			6	19	25
10:00			11	11	22	22:00			3	0	3
10:15			5	10	15	22:15			3	0	3
10:30			7	6	13	22:30			0	2	2
10:45			15	38	53	22:45			2	8	10
11:00			8	13	21	23:00			1	0	1
11:15			11	14	25	23:15			0	0	0
11:30			15	12	27	23:30			0	0	0
11:45			13	47	60	23:45			2	3	5
TOTALS			218	192	410	TOTALS			368	302	670
SPLIT %			53.2%	46.8%	38.0%	SPLIT %			54.9%	45.1%	62.0%

DAILY TOTALS						NB	SB	EB	WB	Total
						0	0	586	494	1,080

AM Peak Hour			10:45	11:00	11:00	PM Peak Hour			15:00	15:00	15:00
AM Pk Volume			49	49	96	PM Pk Volume			58	53	111
Pk Hr Factor			0.817	0.875	0.889	Pk Hr Factor			0.725	0.883	0.816
7 - 9 Volume	0	0	56	48	104	4 - 6 Volume	0	0	79	64	143
7 - 9 Peak Hour			08:00	07:45	07:45	4 - 6 Peak Hour			16:15	16:00	16:15
7 - 9 Pk Volume	0	0	34	29	62	7 - 9 Pk Volume	0	0	47	37	82
Pk Hr Factor	0.000	0.000	0.850	0.725	0.775	Pk Hr Factor	0.000	0.000	0.734	0.841	0.759

VOLUME

Busch Dr between Calpine Dr & Merritt Dr

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_006

DAILY TOTALS					NB	SB	EB	WB	Total		
					586	560	0	0	1,146		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	2	0			2	12:00	8	10			18
00:15	1	0			1	12:15	4	11			15
00:30	2	1			3	12:30	5	13			18
00:45	0	5	0	1	6	12:45	14	31	4	38	69
01:00	0	0			0	13:00	6	10			16
01:15	1	0			1	13:15	10	10			20
01:30	0	0			0	13:30	10	8			18
01:45	1	2	0		3	13:45	6	32	14	42	74
02:00	0	0			0	14:00	9	10			19
02:15	0	0			0	14:15	7	11			18
02:30	0	0			0	14:30	12	9			21
02:45	0	0			0	14:45	11	39	10	40	79
03:00	1	0			1	15:00	17	10			27
03:15	0	0			0	15:15	10	9			19
03:30	0	0			0	15:30	12	14			26
03:45	0	1	0		1	15:45	17	56	12	45	101
04:00	0	0			0	16:00	14	13			27
04:15	0	0			0	16:15	9	14			23
04:30	0	1			1	16:30	7	11			18
04:45	0	0	1		1	16:45	12	42	6	44	86
05:00	0	2			2	17:00	11	12			23
05:15	3	2			5	17:15	5	3			8
05:30	0	1			1	17:30	9	6			15
05:45	1	4	1	6	10	17:45	8	33	7	28	61
06:00	2	5			7	18:00	7	5			12
06:15	3	6			9	18:15	8	9			17
06:30	3	4			7	18:30	7	8			15
06:45	9	17	6	21	38	18:45	3	25	6	28	53
07:00	8	6			14	19:00	5	4			9
07:15	10	14			24	19:15	10	3			13
07:30	7	12			19	19:30	3	5			8
07:45	11	36	9	41	77	19:45	13	31	4	16	47
08:00	10	19			29	20:00	5	5			10
08:15	12	11			23	20:15	7	1			8
08:30	8	7			15	20:30	3	4			7
08:45	10	40	9	46	86	20:45	6	21	0	10	31
09:00	12	14			26	21:00	6	2			8
09:15	15	8			23	21:15	3	1			4
09:30	9	16			25	21:30	2	0			2
09:45	6	42	12	50	92	21:45	0	11	1	4	15
10:00	14	13			27	22:00	4	2			6
10:15	14	12			26	22:15	2	0			2
10:30	10	4			14	22:30	2	1			3
10:45	11	49	11	40	89	22:45	2	10	1	4	14
11:00	11	11			22	23:00	3	3			6
11:15	12	6			18	23:15	3	0			3
11:30	15	11			26	23:30	0	3			3
11:45	11	49	21	49	98	23:45	4	10	0	6	16
TOTALS	245	255			500	TOTALS	341	305			646
SPLIT %	49.0%	51.0%			43.6%	SPLIT %	52.8%	47.2%			56.4%

DAILY TOTALS					NB	SB	EB	WB	Total
					586	560	0	0	1,146

AM Peak Hour	10:00	11:45			11:00	PM Peak Hour	15:00	15:30		15:30
AM Pk Volume	49	55			98	PM Pk Volume	56	53		105
Pk Hr Factor	0.875	0.655			0.766	Pk Hr Factor	0.824	0.946		0.905
7 - 9 Volume	76	87	0	0	163	4 - 6 Volume	75	72	0	147
7 - 9 Peak Hour	07:45	07:15			07:15	4 - 6 Peak Hour	16:00	16:00		16:00
7 - 9 Pk Volume	41	54	0	0	92	4 - 6 Pk Volume	42	44	0	86
Pk Hr Factor	0.854	0.711	0.000	0.000	0.793	Pk Hr Factor	0.750	0.786	0.000	0.796

VOLUME

Busch Dr between Merritt Dr & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_007

DAILY TOTALS					NB	SB	EB	WB	Total		
					1,130	1,131	0	0	2,261		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	4	0			4	12:00	15	18			33
00:15	1	1			2	12:15	15	22			37
00:30	1	0			1	12:30	20	18			38
00:45	0	6	2	3	2	12:45	17	67	28	86	45
01:00	0	0			0	13:00	12	24			36
01:15	1	0			1	13:15	16	23			39
01:30	1	0			1	13:30	18	19			37
01:45	1	3	0		1	13:45	12	58	19	85	31
02:00	1	0			1	14:00	18	19			37
02:15	0	0			0	14:15	15	26			41
02:30	0	0			0	14:30	26	22			48
02:45	0	1	0		0	14:45	27	86	17	84	44
03:00	1	0			1	15:00	30	18			48
03:15	1	0			1	15:15	21	23			44
03:30	0	0			0	15:30	28	24			52
03:45	0	2	0		0	15:45	30	109	25	90	55
04:00	0	0			0	16:00	31	18			49
04:15	0	0			0	16:15	18	24			42
04:30	0	0			0	16:30	18	25			43
04:45	0	0			0	16:45	20	87	22	89	42
05:00	0	4			4	17:00	20	20			40
05:15	5	3			8	17:15	14	17			31
05:30	0	2			2	17:30	24	15			39
05:45	2	7	5	14	7	17:45	16	74	14	66	30
06:00	5	9			14	18:00	13	7			20
06:15	2	8			10	18:15	16	11			27
06:30	6	7			13	18:30	18	15			33
06:45	19	32	13	37	32	18:45	13	60	14	47	27
07:00	12	13			25	19:00	16	16			32
07:15	14	27			41	19:15	18	8			26
07:30	15	19			34	19:30	10	12			22
07:45	22	63	19	78	41	19:45	19	63	15	51	34
08:00	13	20			33	20:00	8	8			16
08:15	17	28			45	20:15	14	6			20
08:30	15	26			41	20:30	10	8			18
08:45	16	61	22	96	38	20:45	14	46	1	23	15
09:00	24	29			53	21:00	13	4			17
09:15	21	21			42	21:15	11	2			13
09:30	15	24			39	21:30	9	0			9
09:45	21	81	18	92	39	21:45	9	42	5	11	14
10:00	15	32			47	22:00	6	1			7
10:15	16	16			32	22:15	7	2			9
10:30	15	18			33	22:30	8	1			9
10:45	18	64	19	85	37	22:45	4	25	1	5	5
11:00	17	31			48	23:00	7	3			10
11:15	16	10			26	23:15	8	2			10
11:30	21	14			35	23:30	0	4			4
11:45	19	73	25	80	44	23:45	5	20	0	9	5
TOTALS	393	485			878	TOTALS	737	646			1383
SPLIT %	44.8%	55.2%			38.8%	SPLIT %	53.3%	46.7%			61.2%

DAILY TOTALS					NB	SB	EB	WB	Total		
					1,130	1,131	0	0	2,261		
AM Peak Hour	09:00	08:15		08:15	PM Peak Hour	15:15	12:45		15:15		
AM Pk Volume	81	105		177	PM Pk Volume	110	94		200		
Pk Hr Factor	0.844	0.905		0.835	Pk Hr Factor	0.887	0.839		0.909		
7 - 9 Volume	124	174	0	0	298	4 - 6 Volume	161	155	0	0	316
7 - 9 Peak Hour	07:30	08:00		07:45	4 - 6 Peak Hour	16:00	16:15			16:00	
7 - 9 Pk Volume	67	96	0	0	160	4 - 6 Pk Volume	87	91	0	0	176
Pk Hr Factor	0.761	0.857	0.000	0.000	0.889	Pk Hr Factor	0.702	0.910	0.000	0.000	0.898

VOLUME

Carbon Canyon Rd between Carbon Mesa & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_008

DAILY TOTALS					NB	SB	EB	WB	Total		
					261	247	0	0	508		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	0			0	12:00	2	2			4
00:15	1	0			1	12:15	4	6			10
00:30	0	0			0	12:30	4	2			6
00:45	0	1	0		0	12:45	6	16	5	15	11
01:00	0	0			0	13:00	3	0			3
01:15	0	0			0	13:15	3	3			6
01:30	1	0			1	13:30	4	4			8
01:45	0	1	0		0	13:45	1	11	2	9	3
02:00	0	0			0	14:00	4	4			8
02:15	0	0			0	14:15	5	4			9
02:30	0	0			0	14:30	6	5			11
02:45	0	0			0	14:45	8	23	4	17	12
03:00	0	0			0	15:00	4	7			11
03:15	0	0			0	15:15	4	11			15
03:30	0	0			0	15:30	4	4			8
03:45	1	1	0		1	15:45	8	20	3	25	11
04:00	0	1			1	16:00	11	8			19
04:15	0	0			0	16:15	2	7			9
04:30	0	0			0	16:30	4	3			7
04:45	0	0	1		0	16:45	5	22	4	22	9
05:00	0	0			0	17:00	10	2			12
05:15	0	0			0	17:15	6	4			10
05:30	2	0			2	17:30	5	6			11
05:45	0	2	1	1	1	17:45	4	25	4	16	8
06:00	0	2			2	18:00	5	4			9
06:15	1	0			1	18:15	3	3			6
06:30	1	0			1	18:30	3	2			5
06:45	0	2	3	5	3	18:45	6	17	5	14	11
07:00	2	3			5	19:00	6	9			15
07:15	1	8			9	19:15	1	2			3
07:30	5	2			7	19:30	2	4			6
07:45	3	11	4	17	7	19:45	4	13	1	16	5
08:00	5	5			10	20:00	3	1			4
08:15	6	3			9	20:15	2	1			3
08:30	1	4			5	20:30	4	1			5
08:45	3	15	7	19	10	20:45	4	13	1	4	5
09:00	5	11			16	21:00	2	0			2
09:15	4	8			12	21:15	1	0			1
09:30	3	4			7	21:30	4	0			4
09:45	8	20	4	27	12	21:45	3	10	1	1	4
10:00	5	1			6	22:00	2	1			3
10:15	7	5			12	22:15	2	4			6
10:30	2	4			6	22:30	4	1			5
10:45	2	16	6	16	8	22:45	2	10	0	6	2
11:00	2	7			9	23:00	1	1			2
11:15	4	6			10	23:15	1	0			1
11:30	1	1			2	23:30	0	0			0
11:45	3	10	1	15	4	23:45	0	2	0	1	0
TOTALS	79	101			180	TOTALS	182	146			328
SPLIT %	43.9%	56.1%			35.4%	SPLIT %	55.5%	44.5%			64.6%

DAILY TOTALS					NB	SB	EB	WB	Total		
					261	247	0	0	508		
AM Peak Hour	09:30	08:30		09:00	PM Peak Hour	15:15	14:30		15:15		
AM Pk Volume	23	30		47	PM Pk Volume	27	27		53		
Pk Hr Factor	0.719	0.682		0.734	Pk Hr Factor	0.614	0.614		0.697		
7 - 9 Volume	26	36	0	0	62	4 - 6 Volume	47	38	0	0	85
7 - 9 Peak Hour	07:30	07:15		08:00	4 - 6 Peak Hour	16:45	16:00			16:00	
7 - 9 Pk Volume	19	19	0	0	34	Volume	26	22	0	0	44
Pk Hr Factor	0.792	0.594	0.000	0.000	0.850	Pk Hr Factor	0.650	0.688	0.000	0.000	0.579

VOLUME

Carbon Mesa between End & Carbon Canyon Rd

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_009

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	203	204	407		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			0	0	0	12:00			3	2	5
00:15			0	1	1	12:15			5	3	8
00:30			0	0	0	12:30			0	2	2
00:45			0	0	0	12:45			4	12	10
01:00			0	0	0	13:00			0	3	3
01:15			0	0	0	13:15			3	1	4
01:30			0	1	1	13:30			3	1	4
01:45			0	0	0	13:45			0	6	1
02:00			0	0	0	14:00			2	0	2
02:15			0	0	0	14:15			3	4	7
02:30			0	0	0	14:30			4	6	10
02:45			0	0	0	14:45			3	12	9
03:00			0	0	0	15:00			5	4	9
03:15			0	0	0	15:15			12	4	16
03:30			0	0	0	15:30			3	4	7
03:45			0	1	1	15:45			2	22	7
04:00			1	0	1	16:00			6	6	12
04:15			0	0	0	16:15			5	2	7
04:30			0	0	0	16:30			2	1	3
04:45			0	1	0	16:45			1	14	3
05:00			0	0	0	17:00			4	6	10
05:15			0	0	0	17:15			4	6	10
05:30			0	2	2	17:30			6	5	11
05:45			1	1	0	17:45			2	16	5
06:00			2	0	2	18:00			2	3	5
06:15			0	1	1	18:15			2	2	4
06:30			0	1	1	18:30			2	3	5
06:45			3	5	0	18:45			3	9	8
07:00			3	2	5	19:00			6	7	13
07:15			6	1	7	19:15			2	1	3
07:30			1	5	6	19:30			5	2	7
07:45			4	14	2	19:45			1	14	4
08:00			4	3	7	20:00			1	2	3
08:15			4	7	11	20:15			1	0	1
08:30			4	1	5	20:30			1	3	4
08:45			6	18	0	20:45			1	4	5
09:00			12	4	16	21:00			0	2	2
09:15			3	1	4	21:15			0	0	0
09:30			3	3	6	21:30			0	3	3
09:45			4	22	8	21:45			1	1	4
10:00			2	3	5	22:00			0	4	4
10:15			2	6	8	22:15			4	2	6
10:30			3	2	5	22:30			0	2	2
10:45			5	12	2	22:45			1	5	1
11:00			6	3	9	23:00			1	1	2
11:15			6	4	10	23:15			0	1	1
11:30			1	1	2	23:30			0	0	0
11:45			1	14	3	23:45			0	1	0
TOTALS			87	68	155	TOTALS			116	136	252
SPLIT %			56.1%	43.9%	38.1%	SPLIT %			46.0%	54.0%	61.9%

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	203	204	407		
AM Peak Hour			08:15	09:30	08:15	PM Peak Hour			14:30	14:15	14:30
AM Pk Volume			26	20	38	PM Pk Volume			24	20	44
Pk Hr Factor			0.542	0.625	0.594	Pk Hr Factor			0.500	0.833	0.688
7 - 9 Volume	0	0	32	21	53	4 - 6 Volume	0	0	30	31	61
7 - 9 Peak Hour			08:00	07:30	07:30	4 - 6 Peak Hour			17:00	17:00	17:00
7 - 9 Pk Volume	0	0	18	17	30	4 - 6 Pk Volume	0	0	16	20	36
Pk Hr Factor	0.000	0.000	0.750	0.607	0.682	Pk Hr Factor	0.000	0.000	0.667	0.833	0.818

VOLUME

Civic Center Way between Malibu Canyon Rd & Webb Way

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_010

DAILY TOTALS		NB	SB	EB	WB	Total								
		0	0	4,451	7,264	11,715								
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00			11	17	28	12:00			90	75	165			
00:15			5	13	18	12:15			83	88	171			
00:30			4	9	13	12:30			79	80	159			
00:45			1	21	5	12:45			65	317	98	341	163	658
01:00			0	5	5	13:00			64	99	163			
01:15			4	6	10	13:15			74	105	179			
01:30			3	3	6	13:30			54	85	139			
01:45			0	7	1	13:45			83	275	102	391	185	666
02:00			2	4	6	14:00			82	84	166			
02:15			1	0	1	14:15			51	113	164			
02:30			2	2	4	14:30			65	116	181			
02:45			1	6	2	14:45			87	285	141	454	228	739
03:00			3	2	5	15:00			83	167	250			
03:15			4	1	5	15:15			128	143	271			
03:30			1	4	5	15:30			93	165	258			
03:45			2	10	1	15:45			92	396	173	648	265	1044
04:00			1	1	2	16:00			105	163	268			
04:15			3	1	4	16:15			76	163	239			
04:30			11	4	15	16:30			70	182	252			
04:45			18	33	4	16:45			76	327	174	682	250	1009
05:00			12	5	17	17:00			93	179	272			
05:15			15	17	32	17:15			100	169	269			
05:30			39	17	56	17:30			88	214	302			
05:45			40	106	9	17:45			101	382	178	740	279	1122
06:00			18	18	36	18:00			93	196	289			
06:15			10	22	32	18:15			92	178	270			
06:30			14	26	40	18:30			63	181	244			
06:45			17	59	35	18:45			53	301	165	720	218	1021
07:00			20	47	67	19:00			66	164	230			
07:15			25	73	98	19:15			52	160	212			
07:30			25	93	118	19:30			54	136	190			
07:45			44	114	124	19:45			44	216	120	580	164	796
08:00			32	120	152	20:00			49	89	138			
08:15			27	109	136	20:15			39	86	125			
08:30			52	145	197	20:30			40	70	110			
08:45			72	183	112	20:45			23	151	60	305	83	456
09:00			110	91	201	21:00			44	64	108			
09:15			114	72	186	21:15			29	49	78			
09:30			106	87	193	21:30			24	50	74			
09:45			84	414	67	21:45			23	120	47	210	70	330
10:00			79	70	149	22:00			19	37	56			
10:15			74	65	139	22:15			26	37	63			
10:30			75	69	144	22:30			31	43	74			
10:45			64	292	80	22:45			24	100	29	146	53	246
11:00			76	72	148	23:00			16	30	46			
11:15			65	77	142	23:15			11	25	36			
11:30			70	64	134	23:30			9	24	33			
11:45			76	287	81	23:45			13	49	16	95	29	144
TOTALS			1532	1952	3484	TOTALS			2919	5312	8231			
SPLIT %			44.0%	56.0%	29.7%	SPLIT %			35.5%	64.5%	70.3%			

DAILY TOTALS		NB	SB	EB	WB	Total					
		0	0	4,451	7,264	11,715					
AM Peak Hour		09:00	07:45	08:30	PM Peak Hour	15:15	17:30	17:30			
AM Pk Volume		414	498	768	PM Pk Volume	418	766	1140			
Pk Hr Factor		0.908	0.859	0.955	Pk Hr Factor	0.816	0.895	0.944			
7 - 9 Volume	0	0	297	823	1120	4 - 6 Volume	0	0	709	1422	2131
7 - 9 Peak Hour			08:00	07:45	08:00	4 - 6 Peak Hour			17:00	17:00	17:00
7 - 9 Pk Volume	0	0	183	498	669	4 - 6 Pk Volume	0	0	382	740	1122
Pk Hr Factor	0.000	0.000	0.635	0.859	0.849	Pk Hr Factor	0.000	0.000	0.946	0.864	0.929

VOLUME

Civic Center Way between Webb Way & Cross Creek Rd

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_011

DAILY TOTALS						NB	SB	EB	WB	Total				
						0	0	2,950	2,742	5,692				
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00			0	4	4	12:00			76	44	120			
00:15			2	4	6	12:15			82	57	139			
00:30			0	4	4	12:30			72	41	113			
00:45			0	2	0	12:45		12	70	300	61	203	131	503
01:00			0	2	2	13:00			60	62	122			
01:15			1	0	1	13:15			63	58	121			
01:30			0	0	0	13:30			58	51	109			
01:45			0	1	1	13:45		3	59	240	57	228	116	468
02:00			0	2	2	14:00			59	43	102			
02:15			1	2	3	14:15			68	59	127			
02:30			0	0	0	14:30			57	60	117			
02:45			0	1	0	14:45		4	71	255	62	224	133	479
03:00			0	1	1	15:00			57	88	145			
03:15			0	0	0	15:15			65	58	123			
03:30			0	1	1	15:30			67	69	136			
03:45			0	0	0	15:45		2	59	248	50	265	109	513
04:00			1	0	1	16:00			93	70	163			
04:15			3	0	3	16:15			55	69	124			
04:30			10	0	10	16:30			44	78	122			
04:45			5	19	0	16:45		19	54	246	59	276	113	522
05:00			3	0	3	17:00			51	55	106			
05:15			11	4	15	17:15			53	75	128			
05:30			8	5	13	17:30			40	64	104			
05:45			14	36	3	17:45		12	59	203	46	240	105	443
06:00			11	14	25	18:00			54	64	118			
06:15			11	12	23	18:15			42	55	97			
06:30			15	11	26	18:30			40	57	97			
06:45			26	63	13	18:45		50	26	162	39	215	65	377
07:00			33	24	57	19:00			30	49	79			
07:15			29	25	54	19:15			17	38	55			
07:30			19	23	42	19:30			31	22	53			
07:45			20	101	36	19:45		108	28	106	30	139	58	245
08:00			36	30	66	20:00			24	18	42			
08:15			29	29	58	20:15			16	25	41			
08:30			33	43	76	20:30			15	25	40			
08:45			66	164	45	20:45		147	13	68	18	86	31	154
09:00			63	43	106	21:00			14	14	28			
09:15			55	24	79	21:15			12	11	23			
09:30			62	33	95	21:30			6	11	17			
09:45			61	241	36	21:45		136	8	40	7	43	15	83
10:00			54	39	93	22:00			3	6	9			
10:15			29	34	63	22:15			5	8	13			
10:30			56	38	94	22:30			5	11	16			
10:45			58	197	36	22:45		147	2	15	3	28	5	43
11:00			52	41	93	23:00			1	6	7			
11:15			41	34	75	23:15			1	4	5			
11:30			73	26	99	23:30			0	6	6			
11:45			72	238	54	23:45		155	2	4	3	19	5	23
TOTALS			1063	776	1839	TOTALS			1887	1966	3853			
SPLIT %			57.8%	42.2%	32.3%	SPLIT %			49.0%	51.0%	67.7%			

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	2,950	2,742	5,692	
AM Peak Hour			11:30	11:45	11:45	PM Peak Hour			12:00	14:45	14:45
AM Pk Volume			303	196	498	PM Pk Volume			300	277	537
Pk Hr Factor			0.924	0.860	0.896	Pk Hr Factor			0.915	0.787	0.926
7 - 9 Volume	0	0	265	255	520	4 - 6 Volume	0	0	449	516	965
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	164	147	311	4 - 6 Pk Volume	0	0	246	276	522
Pk Hr Factor	0.000	0.000	0.621	0.817	0.700	Pk Hr Factor	0.000	0.000	0.661	0.885	0.801

VOLUME

Cliffside Dr between Birdview Ave & Fernhill Dr

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_012

DAILY TOTALS					NB	SB	EB	WB	Total			
					0	0	420	523	943			
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00			0	0	0	12:00			14	11	25	
00:15			0	0	0	12:15			4	11	15	
00:30			0	1	1	12:30			8	12	20	
00:45			0	0	0	12:45			4	30	10	44
01:00			0	0	0	13:00			11	13	24	
01:15			0	0	0	13:15			9	7	16	
01:30			0	0	0	13:30			9	9	18	
01:45			0	0	0	13:45			4	33	12	41
02:00			0	0	0	14:00			10	14	24	
02:15			0	0	0	14:15			20	17	37	
02:30			0	0	0	14:30			11	12	23	
02:45			0	0	0	14:45			15	56	30	73
03:00			0	0	0	15:00			9	9	18	
03:15			0	0	0	15:15			12	7	19	
03:30			0	0	0	15:30			7	8	15	
03:45			0	1	1	15:45			10	38	10	34
04:00			0	0	0	16:00			13	11	24	
04:15			0	0	0	16:15			9	9	18	
04:30			0	0	0	16:30			9	8	17	
04:45			1	1	0	16:45			5	36	7	35
05:00			1	0	1	17:00			8	5	13	
05:15			0	1	1	17:15			4	10	14	
05:30			2	0	2	17:30			7	9	16	
05:45			0	3	1	17:45			8	27	6	30
06:00			1	0	1	18:00			6	9	15	
06:15			0	1	1	18:15			9	9	18	
06:30			0	2	2	18:30			11	3	14	
06:45			4	5	1	18:45			2	28	3	24
07:00			3	6	9	19:00			7	9	16	
07:15			4	3	7	19:15			6	8	14	
07:30			7	5	12	19:30			6	7	13	
07:45			4	18	7	19:45			3	22	2	26
08:00			14	7	21	20:00			5	6	11	
08:15			6	18	24	20:15			3	3	6	
08:30			6	7	13	20:30			2	3	5	
08:45			5	31	8	20:45			0	10	3	15
09:00			7	8	15	21:00			2	3	5	
09:15			10	11	21	21:15			0	3	3	
09:30			4	6	10	21:30			1	1	2	
09:45			12	33	8	21:45			2	5	2	9
10:00			7	9	16	22:00			0	6	6	
10:15			4	8	12	22:15			0	0	0	
10:30			2	9	11	22:30			0	1	1	
10:45			4	17	10	22:45			0	1	8	
11:00			4	17	21	23:00			1	0	1	
11:15			6	8	14	23:15			0	0	0	
11:30			7	10	17	23:30			0	0	0	
11:45			9	26	11	23:45			0	1	0	
TOTALS			134	184	318	TOTALS			286	339	625	
SPLIT %			42.1%	57.9%	33.7%	SPLIT %			45.8%	54.2%	66.3%	

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	420	523	943

AM Peak Hour			11:15	11:00	11:45	PM Peak Hour			14:00	14:00	14:00
AM Pk Volume			36	46	80	PM Pk Volume			56	73	129
Pk Hr Factor			0.643	0.676	0.800	Pk Hr Factor			0.700	0.608	0.717
7 - 9 Volume	0	0	49	61	110	4 - 6 Volume	0	0	63	65	128
7 - 9 Peak Hour			07:30	08:00	08:00	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	31	40	71	4 - 6 Pk Volume	0	0	36	35	71
Pk Hr Factor	0.000	0.000	0.554	0.556	0.740	Pk Hr Factor	0.000	0.000	0.692	0.795	0.740

VOLUME

Corral Canyon Rd between City Limit & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_013

DAILY TOTALS						NB	SB	EB	WB	Total	
						738	765	0	0	1,503	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	0			0	12:00	11	20			31
00:15	0	0			0	12:15	8	16			24
00:30	0	0			0	12:30	10	15			25
00:45	2	2	0		2	12:45	10	39	4	55	14
01:00	0	1			1	13:00	11	6			17
01:15	0	0			0	13:15	17	8			25
01:30	1	0			1	13:30	13	12			25
01:45	1	2	0	1	1	13:45	11	52	15	41	26
02:00	0	0			0	14:00	11	14			25
02:15	0	0			0	14:15	5	10			15
02:30	0	0			0	14:30	12	14			26
02:45	0	0			0	14:45	15	43	10	48	25
03:00	1	0			1	15:00	13	11			24
03:15	1	0			1	15:15	18	17			35
03:30	0	1			1	15:30	14	13			27
03:45	0	2	1	2	1	15:45	17	62	14	55	31
04:00	0	0			0	16:00	17	11			28
04:15	0	0			0	16:15	12	13			25
04:30	0	1			1	16:30	13	9			22
04:45	0	1	2		1	16:45	19	61	9	42	28
05:00	0	1			1	17:00	18	10			28
05:15	0	1			1	17:15	17	14			31
05:30	0	1			1	17:30	8	12			20
05:45	0	5	8		5	17:45	17	60	17	53	34
06:00	0	5			5	18:00	16	12			28
06:15	1	4			5	18:15	14	7			21
06:30	1	12			13	18:30	10	13			23
06:45	5	7	9	30	14	18:45	5	45	8	40	13
07:00	4	15			19	19:00	9	7			16
07:15	3	18			21	19:15	11	10			21
07:30	7	24			31	19:30	14	7			21
07:45	12	26	25	82	37	19:45	16	50	10	34	26
08:00	7	31			38	20:00	14	5			19
08:15	8	14			22	20:15	13	1			14
08:30	14	16			30	20:30	12	1			13
08:45	13	42	13	74	26	20:45	11	50	3	10	14
09:00	14	8			22	21:00	15	2			17
09:15	13	16			29	21:15	10	6			16
09:30	12	9			21	21:30	5	3			8
09:45	10	49	16	49	26	21:45	4	34	1	12	5
10:00	9	12			21	22:00	8	2			10
10:15	10	14			24	22:15	4	2			6
10:30	10	18			28	22:30	5	1			6
10:45	8	37	24	68	32	22:45	3	20	2	7	5
11:00	14	11			25	23:00	3	4			7
11:15	11	14			25	23:15	1	1			2
11:30	11	9			20	23:30	2	1			3
11:45	13	49	11	45	24	23:45	0	6	1	7	1
TOTALS	216	361			577	TOTALS	522	404			926
SPLIT %	37.4%	62.6%			38.4%	SPLIT %	56.4%	43.6%			61.6%

DAILY TOTALS						NB	SB	EB	WB	Total
						738	765	0	0	1,503

AM Peak Hour	08:30	07:15			07:30	PM Peak Hour	16:30	12:00			15:15
AM Pk Volume	54	98			128	PM Pk Volume	67	55			121
Pk Hr Factor	0.964	0.790			0.842	Pk Hr Factor	0.882	0.688			0.864
7 - 9 Volume	68	156	0	0	224	4 - 6 Volume	121	95	0	0	216
7 - 9 Peak Hour	08:00	07:15			07:30	4 - 6 Peak Hour	16:30	17:00			17:00
7 - 9 Pk Volume	42	98	0	0	128	4 - 6 Pk Volume	67	53	0	0	113
Pk Hr Factor	0.750	0.790	0.000	0.000	0.842	Pk Hr Factor	0.882	0.779	0.000	0.000	0.831

VOLUME

Cross Creek Rd between Civic Center Way & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_014

DAILY TOTALS											NB	SB	EB	WB	Total
											3,108	3,144	0	0	6,252
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL				
00:00	2	1			3	12:00	76	71			147				
00:15	1	4			5	12:15	58	72			130				
00:30	4	0			4	12:30	51	80			131				
00:45	0	7	1	6	14	12:45	69	254	65	288	542				
01:00	2	0			2	13:00	75	76			151				
01:15	0	1			1	13:15	63	77			140				
01:30	0	0			0	13:30	56	65			121				
01:45	2	4	0	1	7	13:45	65	259	50	268	527				
02:00	2	0			2	14:00	61	64			125				
02:15	1	2			3	14:15	68	82			150				
02:30	0	0			0	14:30	65	59			124				
02:45	1	4	0	2	7	14:45	71	265	90	295	560				
03:00	0	0			0	15:00	59	84			143				
03:15	0	0			0	15:15	61	70			131				
03:30	1	0			1	15:30	64	87			151				
03:45	0	1	0		1	15:45	53	237	63	304	541				
04:00	0	0			0	16:00	59	75			134				
04:15	0	3			3	16:15	56	67			123				
04:30	2	0			2	16:30	65	73			138				
04:45	1	3	5	8	17	16:45	56	236	53	268	504				
05:00	2	3			5	17:00	46	62			108				
05:15	4	4			8	17:15	65	64			129				
05:30	12	7			19	17:30	67	63			130				
05:45	12	30	7	21	70	17:45	51	229	55	244	473				
06:00	17	8			25	18:00	64	65			129				
06:15	23	10			33	18:15	45	50			95				
06:30	32	12			44	18:30	44	40			84				
06:45	27	99	14	44	184	18:45	47	200	32	187	387				
07:00	39	24			63	19:00	35	37			72				
07:15	39	27			66	19:15	49	23			72				
07:30	38	26			64	19:30	34	29			63				
07:45	45	161	21	98	225	19:45	29	147	30	119	266				
08:00	34	25			59	20:00	24	36			60				
08:15	44	24			68	20:15	31	21			52				
08:30	49	29			78	20:30	22	25			47				
08:45	52	179	55	133	319	20:45	19	96	27	109	205				
09:00	60	49			109	21:00	12	16			28				
09:15	39	44			83	21:15	10	22			32				
09:30	51	54			105	21:30	10	19			29				
09:45	57	207	54	201	419	21:45	8	40	10	67	107				
10:00	54	48			102	22:00	3	14			17				
10:15	50	47			97	22:15	2	7			9				
10:30	49	54			103	22:30	7	9			16				
10:45	40	193	47	196	376	22:45	4	16	4	34	50				
11:00	48	58			106	23:00	5	6			11				
11:15	51	59			110	23:15	3	3			6				
11:30	57	56			113	23:30	3	5			8				
11:45	69	225	62	235	531	23:45	5	16	2	16	32				
TOTALS	1113	945			2058	TOTALS	1995	2199			4194				
SPLIT %	54.1%	45.9%			32.9%	SPLIT %	47.6%	52.4%			67.1%				

DAILY TOTALS											NB	SB	EB	WB	Total
											3,108	3,144	0	0	6,252

AM Peak Hour	11:30	11:45			11:45	PM Peak Hour	14:00	14:45			14:45
AM Pk Volume	260	285			539	PM Pk Volume	265	331			586
Pk Hr Factor	0.855	0.891			0.917	Pk Hr Factor	0.933	0.919			0.910
7 - 9 Volume	340	231	0	0	571	4 - 6 Volume	465	512	0	0	977
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:00	16:00			16:00
7 - 9 Pk Volume	179	133	0	0	312	Volume	236	268	0	0	504
Pk Hr Factor	0.861	0.605	0.000	0.000	0.729	Pk Hr Factor	0.908	0.893	0.000	0.000	0.913

VOLUME

Dume Dr between Heathercliff Rd & Cliffside Dr

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_015

DAILY TOTALS						NB	SB	EB	WB	Total	
						1,501	1,539	0	0	3,040	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	1	2			3	12:00	23	30			53
00:15	0	1			1	12:15	34	17			51
00:30	2	1			3	12:30	30	25			55
00:45	0	3	2	6	2	12:45	34	121	37	109	230
01:00	0	2			2	13:00	20	34			54
01:15	0	1			1	13:15	36	26			62
01:30	1	1			2	13:30	26	33			59
01:45	0	1	2	6	2	13:45	34	116	29	122	238
02:00	1	1			2	14:00	27	28			55
02:15	0	0			0	14:15	22	31			53
02:30	1	0			1	14:30	26	52			78
02:45	0	2	0	1	0	14:45	51	126	29	140	266
03:00	0	0			0	15:00	38	31			69
03:15	0	0			0	15:15	43	32			75
03:30	0	0			0	15:30	32	23			55
03:45	0	0			0	15:45	31	144	25	111	255
04:00	0	0			0	16:00	36	27			63
04:15	0	0			0	16:15	34	29			63
04:30	0	0			0	16:30	46	60			106
04:45	0	0			0	16:45	30	146	34	150	296
05:00	0	0			0	17:00	33	16			49
05:15	0	0			0	17:15	24	32			56
05:30	2	3			5	17:30	23	25			48
05:45	3	5	1	4	4	17:45	28	108	22	95	203
06:00	3	2			5	18:00	27	21			48
06:15	4	2			6	18:15	21	24			45
06:30	4	8			12	18:30	22	22			44
06:45	5	16	11	23	16	18:45	18	88	16	83	171
07:00	18	18			36	19:00	12	16			28
07:15	10	18			28	19:15	14	13			27
07:30	31	25			56	19:30	13	16			29
07:45	22	81	17	78	39	19:45	12	51	9	54	105
08:00	19	67			86	20:00	7	11			18
08:15	46	42			88	20:15	10	8			18
08:30	28	27			55	20:30	6	9			15
08:45	33	126	21	157	54	20:45	5	28	11	39	67
09:00	22	29			51	21:00	6	7			13
09:15	29	29			58	21:15	4	9			13
09:30	22	16			38	21:30	9	7			16
09:45	23	96	28	102	51	21:45	9	28	10	33	61
10:00	26	24			50	22:00	4	8			12
10:15	26	21			47	22:15	2	2			4
10:30	27	28			55	22:30	5	3			8
10:45	17	96	33	106	50	22:45	1	12	4	17	29
11:00	28	27			55	23:00	2	4			6
11:15	25	21			46	23:15	2	3			5
11:30	19	26			45	23:30	1	0			1
11:45	27	99	22	96	49	23:45	3	8	0	7	15
TOTALS	525	579			1104	TOTALS	976	960			1936
SPLIT %	47.6%	52.4%			36.3%	SPLIT %	50.4%	49.6%			63.7%

DAILY TOTALS						NB	SB	EB	WB	Total
						1,501	1,539	0	0	3,040
AM Peak Hour	08:15	08:00			08:00	PM Peak Hour	14:45	16:00		14:30
AM Pk Volume	129	157			283	PM Pk Volume	164	150		302
Pk Hr Factor	0.701	0.586			0.804	Pk Hr Factor	0.804	0.625		0.944
7 - 9 Volume	207	235	0	0	442	4 - 6 Volume	254	245	0	499
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:00	16:00		16:00
7 - 9 Pk Volume	126	157	0	0	283	4 - 6 Pk Volume	146	150	0	296
Pk Hr Factor	0.685	0.586	0.000	0.000	0.804	Pk Hr Factor	0.793	0.625	0.000	0.698

VOLUME

Encinal Canyon Rd between North City Limit & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_016

DAILY TOTALS					NB	SB	EB	WB	Total		
					459	465	0	0	924		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	1	0			1	12:00	7	7			14
00:15	0	0			0	12:15	6	11			17
00:30	0	1			1	12:30	9	10			19
00:45	0	1	0	1	2	12:45	8	30	13	41	71
01:00	0	0			0	13:00	6	8			14
01:15	0	0			0	13:15	4	9			13
01:30	0	0			0	13:30	2	8			10
01:45	0	0			0	13:45	12	24	4	29	53
02:00	0	0			0	14:00	11	10			21
02:15	0	0			0	14:15	11	8			19
02:30	0	0			0	14:30	10	11			21
02:45	0	0			0	14:45	12	44	10	39	83
03:00	0	0			0	15:00	15	14			29
03:15	0	0			0	15:15	9	8			17
03:30	0	0			0	15:30	6	11			17
03:45	0	1	1		2	15:45	12	42	14	47	89
04:00	0	0			0	16:00	10	5			15
04:15	0	0			0	16:15	7	8			15
04:30	1	0			1	16:30	6	12			18
04:45	2	3	1	1	7	16:45	6	29	10	35	64
05:00	2	2			4	17:00	13	4			17
05:15	3	0			3	17:15	13	4			17
05:30	1	3			4	17:30	8	10			18
05:45	0	6	2	7	15	17:45	10	44	5	23	67
06:00	2	3			5	18:00	7	3			10
06:15	4	4			8	18:15	6	3			9
06:30	3	1			4	18:30	4	5			9
06:45	5	14	14	22	36	18:45	6	23	6	17	40
07:00	3	7			10	19:00	7	3			10
07:15	6	9			15	19:15	3	7			10
07:30	10	19			29	19:30	3	3			6
07:45	8	27	5	40	67	19:45	6	19	5	18	37
08:00	12	8			20	20:00	5	2			7
08:15	8	8			16	20:15	6	0			6
08:30	7	6			13	20:30	1	2			3
08:45	6	33	10	32	65	20:45	4	16	2	6	22
09:00	9	12			21	21:00	0	1			1
09:15	8	14			22	21:15	1	4			5
09:30	6	9			15	21:30	2	1			3
09:45	6	29	4	39	68	21:45	2	5	1	7	12
10:00	7	5			12	22:00	2	2			4
10:15	7	6			13	22:15	2	1			3
10:30	6	4			10	22:30	1	0			1
10:45	8	28	5	20	48	22:45	3	8	1	4	12
11:00	11	7			18	23:00	0	0			0
11:15	6	12			18	23:15	2	1			3
11:30	3	7			10	23:30	1	0			1
11:45	11	31	9	35	66	23:45	0	3	0	1	4
TOTALS	172	198			370	TOTALS	287	267			554
SPLIT %	46.5%	53.5%			40.0%	SPLIT %	51.8%	48.2%			60.0%

DAILY TOTALS					NB	SB	EB	WB	Total		
					459	465	0	0	924		
AM Peak Hour	07:30	06:45			07:30	PM Peak Hour	14:15	15:00	14:15		
AM Pk Volume	38	49			78	PM Pk Volume	48	47	91		
Pk Hr Factor	0.792	0.645			0.672	Pk Hr Factor	0.800	0.839	0.784		
7 - 9 Volume	60	72	0	0	132	4 - 6 Volume	73	58	0	0	131
7 - 9 Peak Hour	07:30	07:15			07:30	4 - 6 Peak Hour	17:00	16:00			16:30
7 - 9 Pk Volume	38	41	0	0	78	Volume	44	35	0	0	68
Pk Hr Factor	0.792	0.539	0.000	0.000	0.672	Pk Hr Factor	0.846	0.729	0.000	0.000	0.944

VOLUME

Fernhill Dr between Grayfox St & Cliffside Dr

Day: Tuesday
Date: 3/18/2014City: Malibu
Project #: CA14_5141_017

DAILY TOTALS						NB	SB	EB	WB	Total	
						992	984	0	0	1,976	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	1			1	12:00	18	12			30
00:15	0	2			2	12:15	15	14			29
00:30	1	0			1	12:30	14	14			28
00:45	0	1	0	3	4	12:45	20	67	23	63	130
01:00	0	0			0	13:00	10	19			29
01:15	0	0			0	13:15	20	16			36
01:30	0	0			0	13:30	11	19			30
01:45	0	0			0	13:45	28	69	17	71	140
02:00	0	0			0	14:00	20	20			40
02:15	0	0			0	14:15	22	20			42
02:30	0	0			0	14:30	20	42			62
02:45	0	0			0	14:45	78	140	41	123	263
03:00	0	0			0	15:00	27	18			45
03:15	0	0			0	15:15	30	16			46
03:30	0	0			0	15:30	31	17			48
03:45	0	0			0	15:45	22	110	16	67	177
04:00	1	0			1	16:00	26	13			39
04:15	1	0			1	16:15	18	13			31
04:30	0	0			0	16:30	27	12			39
04:45	2	4	0		4	16:45	19	90	7	45	135
05:00	1	0			1	17:00	14	8			22
05:15	0	1			1	17:15	15	13			28
05:30	0	1			1	17:30	10	15			25
05:45	3	4	1	3	7	17:45	7	46	11	47	93
06:00	3	0			3	18:00	8	14			22
06:15	2	3			5	18:15	12	6			18
06:30	2	8			10	18:30	12	10			22
06:45	4	11	4	15	26	18:45	9	41	9	39	80
07:00	4	12			16	19:00	7	13			20
07:15	6	15			21	19:15	9	11			20
07:30	6	11			17	19:30	6	10			16
07:45	6	22	27	65	87	19:45	6	28	6	40	68
08:00	36	74			110	20:00	4	6			10
08:15	52	64			116	20:15	6	3			9
08:30	34	25			59	20:30	4	4			8
08:45	19	141	22	185	326	20:45	1	15	6	19	34
09:00	19	18			37	21:00	5	3			8
09:15	20	15			35	21:15	3	8			11
09:30	18	9			27	21:30	3	5			8
09:45	17	74	20	62	136	21:45	5	16	2	18	34
10:00	15	15			30	22:00	0	11			11
10:15	19	14			33	22:15	1	1			2
10:30	11	9			20	22:30	0	1			1
10:45	10	55	14	52	107	22:45	0	1	1	14	15
11:00	10	13			23	23:00	1	3			4
11:15	20	6			26	23:15	0	1			1
11:30	17	15			32	23:30	0	0			0
11:45	9	56	14	48	104	23:45	0	1	1	5	6
TOTALS	368	433			801	TOTALS	624	551			1175
SPLIT %	45.9%	54.1%			40.5%	SPLIT %	53.1%	46.9%			59.5%

DAILY TOTALS						NB	SB	EB	WB	Total	
						992	984	0	0	1,976	
AM Peak Hour	08:00	07:45			08:00	PM Peak Hour	14:45	14:00		14:30	
AM Pk Volume	141	190			326	PM Pk Volume	166	123		272	
Pk Hr Factor	0.678	0.642			0.703	Pk Hr Factor	0.532	0.732		0.571	
7 - 9 Volume	163	250	0	0	413	4 - 6 Volume	136	92	0	0	228
7 - 9 Peak Hour	08:00	07:45			08:00	4 - 6 Peak Hour	16:00	17:00			16:00
7 - 9 Pk Volume	141	190	0	0	326	4 - 6 Pk Volume	90	47	0	0	135
Pk Hr Factor	0.678	0.642	0.000	0.000	0.703	Pk Hr Factor	0.833	0.783	0.000	0.000	0.865

VOLUME

Fernhill Dr between Wildlife Rd & Grayfox St

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_018

DAILY TOTALS						NB	SB	EB	WB	Total	
						1,382	1,335	0	0	2,717	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	4			4	12:00	22	15			37
00:15	0	3			3	12:15	25	20			45
00:30	1	0			1	12:30	13	22			35
00:45	0	1	0	7	8	12:45	28	88	22	79	167
01:00	0	0			0	13:00	21	25			46
01:15	0	1			1	13:15	25	17			42
01:30	0	0			0	13:30	19	22			41
01:45	1	1	0	1	2	13:45	28	93	24	88	181
02:00	0	0			0	14:00	30	26			56
02:15	0	0			0	14:15	24	22			46
02:30	0	0			0	14:30	30	45			75
02:45	0	1	1		1	14:45	78	162	54	147	309
03:00	0	0			0	15:00	39	27			66
03:15	0	0			0	15:15	37	28			65
03:30	0	0			0	15:30	47	23			70
03:45	1	1	0		1	15:45	37	160	23	101	261
04:00	1	0			1	16:00	32	25			57
04:15	0	0			0	16:15	28	25			53
04:30	3	0			3	16:30	32	25			57
04:45	1	5	0		5	16:45	22	114	18	93	207
05:00	4	1			5	17:00	25	20			45
05:15	1	1			2	17:15	18	20			38
05:30	0	1			1	17:30	19	26			45
05:45	4	9	1	4	13	17:45	21	83	22	88	171
06:00	9	0			9	18:00	17	23			40
06:15	6	3			9	18:15	16	17			33
06:30	3	11			14	18:30	23	18			41
06:45	13	31	17	31	62	18:45	18	74	15	73	147
07:00	15	25			40	19:00	8	21			29
07:15	14	23			37	19:15	13	13			26
07:30	14	13			27	19:30	12	13			25
07:45	11	54	23	84	138	19:45	7	40	12	59	99
08:00	32	61			93	20:00	6	9			15
08:15	55	35			90	20:15	4	7			11
08:30	33	24			57	20:30	8	5			13
08:45	24	144	25	145	289	20:45	2	20	10	31	51
09:00	27	24			51	21:00	7	9			16
09:15	28	15			43	21:15	3	8			11
09:30	23	17			40	21:30	1	6			7
09:45	25	103	27	83	186	21:45	5	16	6	29	45
10:00	25	24			49	22:00	2	11			13
10:15	22	25			47	22:15	1	3			4
10:30	14	16			30	22:30	3	3			6
10:45	21	82	22	87	169	22:45	0	6	7	24	30
11:00	16	17			33	23:00	1	1			2
11:15	28	18			46	23:15	0	0			0
11:30	24	20			44	23:30	1	2			3
11:45	24	92	19	74	166	23:45	1	3	3	6	9
TOTALS	523	517			1040	TOTALS	859	818			1677
SPLIT %	50.3%	49.7%			38.3%	SPLIT %	51.2%	48.8%			61.7%

DAILY TOTALS						NB	SB	EB	WB	Total	
						1,382	1,335	0	0	2,717	
AM Peak Hour	08:00	08:00			08:00	PM Peak Hour	14:45	14:30		14:30	
AM Pk Volume	144	145			289	PM Pk Volume	201	154		338	
Pk Hr Factor	0.655	0.594			0.777	Pk Hr Factor	0.644	0.713		0.640	
7 - 9 Volume	198	229	0	0	427	4 - 6 Volume	197	181	0	0	378
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:00	16:00			16:00
7 - 9 Pk Volume	144	145	0	0	289	Volume	114	93	0	0	207
Pk Hr Factor	0.655	0.594	0.000	0.000	0.777	Pk Hr Factor	0.891	0.930	0.000	0.000	0.908

VOLUME

Guernsey Ave between Morning View Dr & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_019

DAILY TOTALS					NB	SB	EB	WB	Total
					692	652	0	0	1,344

AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	1	0			1	12:00	16	10			26
00:15	0	0			0	12:15	23	12			35
00:30	1	0			1	12:30	26	30			56
00:45	0	2	1	1	1	12:45	18	83	34	86	52
01:00	0	1			1	13:00	20	15			35
01:15	0	0			0	13:15	16	9			25
01:30	0	0			0	13:30	15	13			28
01:45	0	0	1		0	13:45	14	65	10	47	24
02:00	0	0			0	14:00	24	9			33
02:15	0	0			0	14:15	17	14			31
02:30	1	0			1	14:30	17	18			35
02:45	0	1	0		0	14:45	20	78	17	58	37
03:00	0	1			1	15:00	24	19			43
03:15	0	1			1	15:15	17	12			29
03:30	0	0			0	15:30	17	15			32
03:45	0	0	2		0	15:45	21	79	14	60	35
04:00	0	1			1	16:00	13	10			23
04:15	0	0			0	16:15	17	10			27
04:30	1	0			1	16:30	14	11			25
04:45	0	1	0	1	0	16:45	18	62	14	45	32
05:00	0	1			1	17:00	15	12			27
05:15	0	0			0	17:15	11	9			20
05:30	1	2			3	17:30	12	14			26
05:45	0	1	0	3	0	17:45	16	54	5	40	21
06:00	0	0			0	18:00	12	7			19
06:15	0	2			2	18:15	11	7			18
06:30	0	2			2	18:30	8	8			16
06:45	7	7	4	8	11	18:45	8	39	5	27	13
07:00	6	5			11	19:00	5	2			7
07:15	9	12			21	19:15	4	2			6
07:30	17	17			34	19:30	5	2			7
07:45	24	56	41	75	65	19:45	2	16	2	8	4
08:00	15	35			50	20:00	6	4			10
08:15	7	14			21	20:15	2	3			5
08:30	6	8			14	20:30	1	2			3
08:45	8	36	7	64	15	20:45	0	9	1	10	1
09:00	2	10			12	21:00	0	1			1
09:15	3	8			11	21:15	2	0			2
09:30	8	8			16	21:30	0	1			1
09:45	5	18	11	37	16	21:45	1	3	1	3	2
10:00	9	11			20	22:00	1	0			1
10:15	7	10			17	22:15	1	1			2
10:30	7	7			14	22:30	0	2			2
10:45	9	32	9	37	18	22:45	0	2	1	4	1
11:00	14	5			19	23:00	0	1			1
11:15	11	10			21	23:15	0	0			0
11:30	13	12			25	23:30	1	0			1
11:45	9	47	7	34	16	23:45	0	1	0	1	0
TOTALS	201	263			464	TOTALS	491	389			880
SPLIT %	43.3%	56.7%			34.5%	SPLIT %	55.8%	44.2%			65.5%

DAILY TOTALS					NB	SB	EB	WB	Total
					692	652	0	0	1,344

AM Peak Hour	11:45	07:30			07:15	PM Peak Hour	12:15	12:15		12:15	
AM Pk Volume	74	107			170	PM Pk Volume	87	91		178	
Pk Hr Factor	0.712	0.652			0.654	Pk Hr Factor	0.837	0.669		0.795	
7 - 9 Volume	92	139	0	0	231	4 - 6 Volume	116	85	0	0	201
7 - 9 Peak Hour	07:15	07:30			07:15	4 - 6 Peak Hour	16:15	16:45			16:15
7 - 9 Pk Volume	65	107	0	0	170	Volume	64	49	0	0	111
Pk Hr Factor	0.677	0.652	0.000	0.000	0.654	Pk Hr Factor	0.889	0.875	0.000	0.000	0.867

VOLUME

Heathercliff Rd between PCH & Wandermere Rd

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_020

DAILY TOTALS						NB	SB	EB	WB	Total	
						4,602	4,980	0	0	9,582	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	4	4			8	12:00	85	111			196
00:15	11	5			16	12:15	100	100			200
00:30	6	0			6	12:30	96	91			187
00:45	1	22	5	14	6	12:45	90	371	120	422	210
01:00	1	4			5	13:00	94	106			200
01:15	3	3			6	13:15	79	102			181
01:30	1	1			2	13:30	87	84			171
01:45	2	7	4	12	6	13:45	77	337	84	376	161
02:00	2	2			4	14:00	71	82			153
02:15	0	2			2	14:15	84	91			175
02:30	1	1			2	14:30	92	107			199
02:45	0	3	2	7	2	14:45	104	351	88	368	192
03:00	0	0			0	15:00	108	115			223
03:15	0	1			1	15:15	97	134			231
03:30	0	0			0	15:30	104	86			190
03:45	0	1	2		1	15:45	99	408	94	429	193
04:00	1	1			2	16:00	94	93			187
04:15	3	2			5	16:15	100	99			199
04:30	2	1			3	16:30	100	100			200
04:45	4	10	0	4	4	16:45	95	389	121	413	216
05:00	3	3			6	17:00	87	91			178
05:15	4	2			6	17:15	92	87			179
05:30	4	5			9	17:30	79	82			161
05:45	9	20	9	19	18	17:45	76	334	69	329	145
06:00	20	12			32	18:00	81	78			159
06:15	22	16			38	18:15	65	57			122
06:30	23	25			48	18:30	69	74			143
06:45	36	101	34	87	70	18:45	52	267	61	270	113
07:00	35	42			77	19:00	63	59			122
07:15	49	52			101	19:15	54	53			107
07:30	85	56			141	19:30	38	53			91
07:45	61	230	77	227	138	19:45	37	192	56	221	93
08:00	59	107			166	20:00	42	54			96
08:15	73	71			144	20:15	34	38			72
08:30	57	71			128	20:30	26	25			51
08:45	81	270	65	314	146	20:45	21	123	40	157	61
09:00	74	81			155	21:00	26	34			60
09:15	87	93			180	21:15	22	38			60
09:30	83	97			180	21:30	22	20			42
09:45	72	316	74	345	146	21:45	12	82	28	120	40
10:00	76	104			180	22:00	11	20			31
10:15	88	93			181	22:15	15	16			31
10:30	89	95			184	22:30	14	11			25
10:45	82	335	99	391	181	22:45	12	52	14	61	26
11:00	80	77			157	23:00	8	10			18
11:15	80	87			167	23:15	4	9			13
11:30	100	106			206	23:30	3	6			9
11:45	101	361	91	361	192	23:45	6	21	6	31	12
TOTALS	1675	1783			3458	TOTALS	2927	3197			6124
SPLIT %	48.4%	51.6%			36.1%	SPLIT %	47.8%	52.2%			63.9%

DAILY TOTALS						NB	SB	EB	WB	Total
						4,602	4,980	0	0	9,582
AM Peak Hour	11:30	11:30			11:30	PM Peak Hour	14:45	14:30		14:30
AM Pk Volume	386	408			794	PM Pk Volume	413	444		845
Pk Hr Factor	0.955	0.919			0.964	Pk Hr Factor	0.956	0.828		0.915
7 - 9 Volume	500	541	0	0	1041	4 - 6 Volume	723	742	0	0
7 - 9 Peak Hour	07:30	07:45			07:30	4 - 6 Peak Hour	16:00	16:00		16:00
7 - 9 Pk Volume	278	326	0	0	589	Volume	389	413	0	0
Pk Hr Factor	0.818	0.762	0.000	0.000	0.887	Pk Hr Factor	0.973	0.853	0.000	0.000

VOLUME

John Tyler Dr between Pepperdine University Entrance & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_021

DAILY TOTALS						NB	SB	EB	WB	Total	
						1,994	2,234	0	0	4,228	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	1	2			3	12:00	32	51			83
00:15	1	0			1	12:15	24	41			65
00:30	0	0			0	12:30	37	39			76
00:45	0	2	0	2	4	12:45	43	136	33	164	300
01:00	2	0			2	13:00	37	56			93
01:15	0	2			2	13:15	23	40			63
01:30	2	0			2	13:30	30	36			66
01:45	1	5	0	2	7	13:45	32	122	41	173	295
02:00	0	0			0	14:00	18	48			66
02:15	0	0			0	14:15	26	34			60
02:30	0	0			0	14:30	27	30			57
02:45	0	0			0	14:45	33	104	47	159	263
03:00	1	0			1	15:00	20	53			73
03:15	0	1			1	15:15	17	42			59
03:30	0	0			0	15:30	33	46			79
03:45	0	1	0	1	2	15:45	46	116	53	194	310
04:00	0	0			0	16:00	37	54			91
04:15	0	0			0	16:15	28	65			93
04:30	1	1			2	16:30	31	45			76
04:45	0	1	0	1	2	16:45	32	128	40	204	332
05:00	0	0			0	17:00	33	96			129
05:15	0	2			2	17:15	31	78			109
05:30	0	0			0	17:30	28	50			78
05:45	1	1	1	3	4	17:45	33	125	47	271	396
06:00	1	1			2	18:00	30	48			78
06:15	2	4			6	18:15	36	51			87
06:30	5	3			8	18:30	21	47			68
06:45	9	17	10	18	35	18:45	18	105	50	196	301
07:00	19	14			33	19:00	24	39			63
07:15	28	23			51	19:15	25	33			58
07:30	43	30			73	19:30	33	31			64
07:45	96	186	17	84	270	19:45	23	105	23	126	231
08:00	44	20			64	20:00	28	25			53
08:15	37	12			49	20:15	19	22			41
08:30	55	19			74	20:30	21	24			45
08:45	76	212	33	84	296	20:45	22	90	27	98	188
09:00	43	21			64	21:00	11	28			39
09:15	51	27			78	21:15	15	21			36
09:30	52	22			74	21:30	11	20			31
09:45	58	204	45	115	319	21:45	12	49	13	82	131
10:00	36	26			62	22:00	8	8			16
10:15	29	18			47	22:15	5	3			8
10:30	34	23			57	22:30	7	2			9
10:45	33	132	30	97	229	22:45	1	21	1	14	35
11:00	21	37			58	23:00	1	0			1
11:15	30	30			60	23:15	2	1			3
11:30	32	31			63	23:30	1	0			1
11:45	44	127	46	144	271	23:45	1	5	1	2	7
TOTALS	888	551			1439	TOTALS	1106	1683			2789
SPLIT %	61.7%	38.3%			34.0%	SPLIT %	39.7%	60.3%			66.0%

DAILY TOTALS						NB	SB	EB	WB	Total
						1,994	2,234	0	0	4,228
AM Peak Hour	07:45	11:45			08:30	PM Peak Hour	15:30	17:00		17:00
AM Pk Volume	232	177			325	PM Pk Volume	144	271		396
Pk Hr Factor	0.604	0.868			0.745	Pk Hr Factor	0.783	0.706		0.767
7 - 9 Volume	398	168	0	0	566	4 - 6 Volume	253	475	0	728
7 - 9 Peak Hour	07:45	07:15			07:15	4 - 6 Peak Hour	16:00	17:00		17:00
7 - 9 Pk Volume	232	90	0	0	301	4 - 6 Pk Volume	128	271	0	396
Pk Hr Factor	0.604	0.750	0.000	0.000	0.666	Pk Hr Factor	0.865	0.706	0.000	0.767

DAILY TOTALS												TOTAL	
			NB		SB		EB		WB				TOTAL
			4,683	4,997	0	0	0	0	0	0	0	0	9,680
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	TOTAL	
00:00	3	6			9	12:00	56	68			124	124	
00:15	4	3			8	12:15	62	96			158	158	
00:30	5	4			8	12:30	72	64			136	136	
00:45	5	17	15		7	12:45	87	77			164	582	
01:00	3	2			32	13:00	86	103			189	189	
01:15	3	3			5	13:15	91	68			159	159	
01:30	2	2			4	13:30	71	83			154	154	
01:45	0	8	9		2	13:45	67	315	80		334	147	
02:00	0	0			17	14:00	77	67			144	144	
02:15	0	2			2	14:15	96	91			187	187	
02:30	1	2			2	14:30	108	114			222	222	
02:45	0	3	6		3	14:45	86	367	70		342	156	
03:00	0	3			9	15:00	101	70			342	156	
03:15	0	1			3	15:15	115	81			171	171	
03:30	0	1			1	15:30	143	96			196	196	
03:45	3	1	6		4	15:45	111	470	77		324	239	
04:00	0	0			9	16:00	118	82			188	188	
04:15	0	2			0	16:15	120	93			200	200	
04:30	3	1			4	16:30	133	84			213	213	
04:45	2	5	3		2	16:45	91	462	62		321	217	
05:00	5	4			8	16:55	115	72			187	153	
05:15	3	8			9	17:00	115	72			187	187	
05:30	7	10			11	17:15	120	83			203	203	
05:45	5	20	41		17	17:30	121	74			195	195	
06:00	13	19			24	17:45	101	457	79		308	180	
06:15	18	35			61	18:00	111	67			178	178	
06:30	16	62			40	18:15	82	73			155	155	
06:45	23	70	218		53	18:30	91	86			177	177	
07:00	49	86			78	18:45	73	357	56		282	129	
07:15	54	113			117	19:00	62	63			125	125	
07:30	44	130			167	19:15	80	40			120	120	
07:45	51	198	478		174	19:30	69	33			102	102	
08:00	56	128			200	19:45	54	265	39		175	93	
08:15	72	115			184	20:00	49	38			87	87	
08:30	52	118			187	20:15	63	36			99	99	
08:45	52	232	499		170	20:30	38	36			74	74	
09:00	64	95			190	20:45	30	180	34		144	64	
09:15	51	104			159	21:00	27	28			55	55	
09:30	64	100			155	21:15	20	36			56	56	
09:45	54	233	382		164	21:30	23	26			49	49	
10:00	67	56			137	21:45	28	98			61	61	
10:15	64	72			123	22:00	18	22			40	40	
10:30	71	72			136	22:15	14	20			34	34	
10:45	67	269	272		143	22:30	16	26			42	42	
11:00	67	66			139	22:45	16	64	15		83	31	
11:15	75	85			133	23:00	11	9			20	20	
11:30	69	74			160	23:15	12	8			20	20	
11:45	61	272	299		143	23:30	8	4			12	12	
TOTALS	1330	2228			571	23:45	10	41	7		28	69	
SPLIT %	37.4%	62.6%			135	TOTALS	3353	2769			6122	63.2%	
DAILY TOTALS			NB		SB		EB		WB		Total		
			4,683		4,997		0		0		9,680		

AM Peak Hour	10:30	07:30	PM Peak Hour	15:30	13:45	Total
AM Peak Hour	280	522	PM Peak Hour	492	352	15:30
AM PK Volume	0.933	0.876	PM PK Volume	0.860	0.772	840
PK Hr Factor			PK Hr Factor			0.879
7 - 9 Volume	430	977	4 - 6 Volume	919	629	1548
7 - 9 Peak Hour	08:00	07:30	4 - 6 Peak Hour	16:00	16:00	16:00
7 - 9 PK Volume	232	522	PK Hr Factor	452	321	783
PK Hr Factor	0.806	0.876	PK Hr Factor	0.868	0.863	0.902

VOLUME

Las Flores Canyon Rd between North City Limit & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_023

DAILY TOTALS					NB	SB	EB	WB	Total		
					1,048	1,002	0	0	2,050		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	5	0			5	12:00	11	25			36
00:15	3	1			4	12:15	14	15			29
00:30	0	2			2	12:30	14	16			30
00:45	1	9	0	3	13	12:45	21	60	24	80	145
01:00	0	0			0	13:00	16	17			33
01:15	1	0			1	13:15	31	17			48
01:30	2	1			3	13:30	19	13			32
01:45	0	3	0	1	4	13:45	16	82	17	64	135
02:00	0	0			0	14:00	11	14			25
02:15	1	0			1	14:15	17	22			39
02:30	2	0			2	14:30	16	19			35
02:45	0	3	0		3	14:45	18	62	18	73	135
03:00	0	1			1	15:00	11	25			36
03:15	0	3			3	15:15	15	27			42
03:30	0	0			0	15:30	22	15			37
03:45	0	1	5		6	15:45	18	66	9	76	142
04:00	0	1			1	16:00	16	17			33
04:15	1	2			3	16:15	15	20			35
04:30	0	3			3	16:30	21	15			36
04:45	0	1	0	6	7	16:45	20	72	17	69	141
05:00	0	1			1	17:00	14	7			21
05:15	1	2			3	17:15	12	14			26
05:30	0	2			2	17:30	19	12			31
05:45	1	2	8	13	14	17:45	12	57	18	51	108
06:00	5	5			10	18:00	17	9			26
06:15	9	7			16	18:15	14	17			31
06:30	10	11			21	18:30	18	9			27
06:45	9	33	19	42	63	18:45	27	76	11	46	122
07:00	17	24			41	19:00	21	10			31
07:15	12	21			33	19:15	16	10			26
07:30	12	22			34	19:30	18	8			26
07:45	11	52	15	82	134	19:45	18	73	12	40	113
08:00	12	16			28	20:00	19	4			23
08:15	10	18			28	20:15	16	10			26
08:30	13	28			41	20:30	19	0			19
08:45	18	53	16	78	131	20:45	19	73	3	17	90
09:00	16	11			27	21:00	11	2			13
09:15	17	12			29	21:15	14	1			15
09:30	14	19			33	21:30	6	5			11
09:45	19	66	23	65	133	21:45	12	43	4	12	55
10:00	18	18			36	22:00	4	4			8
10:15	15	24			39	22:15	7	2			9
10:30	20	19			39	22:30	1	2			3
10:45	20	73	19	80	153	22:45	3	15	1	9	24
11:00	12	21			33	23:00	4	3			7
11:15	14	29			43	23:15	5	1			6
11:30	20	16			36	23:30	1	1			2
11:45	17	63	19	85	148	23:45	1	11	0	5	16
TOTALS	358	460			818	TOTALS	690	542			1232
SPLIT %	43.8%	56.2%			39.9%	SPLIT %	56.0%	44.0%			60.1%

DAILY TOTALS					NB	SB	EB	WB	Total
					1,048	1,002	0	0	2,050

AM Peak Hour	10:00	11:15			09:45	PM Peak Hour	12:45	14:30			12:45
AM Pk Volume	73	89			156	PM Pk Volume	87	89			158
PK Hr Factor	0.913	0.767			0.929	PK Hr Factor	0.702	0.824			0.823
7 - 9 Volume	105	160	0	0	265	4 - 6 Volume	129	120	0	0	249
7 - 9 Peak Hour	08:00	07:00			07:00	4 - 6 Peak Hour	16:00	16:00			16:00
7 - 9 Pk Volume	53	82	0	0	134	4 - 6 Pk Volume	72	69	0	0	141
PK Hr Factor	0.736	0.854	0.000	0.000	0.817	PK Hr Factor	0.857	0.863	0.000	0.000	0.953

VOLUME

Latigo Canyon Rd between North City Limit & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_024

DAILY TOTALS						NB	SB	EB	WB	Total	
						502	564	0	0	1,066	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	1	0			1	12:00	12	11			23
00:15	1	1			2	12:15	8	12			20
00:30	1	0			1	12:30	5	18			23
00:45	0	3	0	1	4	12:45	12	37	12	53	90
01:00	0	0			0	13:00	12	6			18
01:15	0	0			0	13:15	7	18			25
01:30	0	0			0	13:30	13	9			22
01:45	0	0			0	13:45	13	45	16	49	94
02:00	0	0			0	14:00	10	8			18
02:15	0	0			0	14:15	2	9			11
02:30	0	0			0	14:30	5	12			17
02:45	0	0			0	14:45	12	29	8	37	66
03:00	0	0			0	15:00	16	7			23
03:15	0	0			0	15:15	11	10			21
03:30	0	0			0	15:30	9	6			15
03:45	0	0			0	15:45	10	46	7	30	76
04:00	0	0			0	16:00	12	8			20
04:15	0	2			2	16:15	7	5			12
04:30	0	1			1	16:30	8	7			15
04:45	0	0	3		3	16:45	11	38	10	30	68
05:00	0	1			1	17:00	9	7			16
05:15	1	2			3	17:15	6	8			14
05:30	2	1			3	17:30	12	10			22
05:45	0	3	5	9	12	17:45	5	32	6	31	63
06:00	3	3			6	18:00	12	8			20
06:15	1	5			6	18:15	3	5			8
06:30	4	10			14	18:30	10	7			17
06:45	4	12	10	28	40	18:45	8	33	6	26	59
07:00	5	5			10	19:00	7	6			13
07:15	8	23			31	19:15	6	5			11
07:30	4	20			24	19:30	9	7			16
07:45	10	27	15	63	90	19:45	8	30	5	23	53
08:00	7	10			17	20:00	7	6			13
08:15	7	12			19	20:15	2	2			4
08:30	8	6			14	20:30	4	5			9
08:45	7	29	10	38	67	20:45	5	18	2	15	33
09:00	8	11			19	21:00	5	1			6
09:15	8	11			19	21:15	5	2			7
09:30	4	6			10	21:30	4	2			6
09:45	8	28	13	41	69	21:45	2	16	3	8	24
10:00	7	7			14	22:00	1	2			3
10:15	11	13			24	22:15	3	2			5
10:30	6	12			18	22:30	0	2			2
10:45	12	36	11	43	79	22:45	2	6	1	7	13
11:00	5	7			12	23:00	0	0			0
11:15	8	7			15	23:15	1	0			1
11:30	8	6			14	23:30	1	1			2
11:45	10	31	8	28	59	23:45	1	3	0	1	4
TOTALS	169	254			423	TOTALS	333	310			643
SPLIT %	40.0%	60.0%			39.7%	SPLIT %	51.8%	48.2%			60.3%

DAILY TOTALS						NB	SB	EB	WB	Total	
						502	564	0	0	1,066	
AM Peak Hour	11:15	07:15			07:15	PM Peak Hour	14:45	12:30		13:00	
AM Pk Volume	38	68			97	PM Pk Volume	48	54		94	
Pk Hr Factor	0.792	0.739			0.782	Pk Hr Factor	0.750	0.750		0.810	
7 - 9 Volume	56	101	0	0	157	4 - 6 Volume	70	61	0	0	131
7 - 9 Peak Hour	07:45	07:15			07:15	4 - 6 Peak Hour	16:00	16:45			16:45
7 - 9 Pk Volume	32	68	0	0	97	7 - 9 Pk Volume	38	35	0	0	73
Pk Hr Factor	0.800	0.739	0.000	0.000	0.782	Pk Hr Factor	0.792	0.875	0.000	0.000	0.830

DAILY TOTALS										NB		SB		EB		WB		Total
										13,622	11,580	0	0					23,202
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	SPLIT %						
00:00	29	9			38	12:00	115	158			273						273	
00:15	16	11			27	12:15	104	153			257						257	
00:30	15	5			20	12:30	153	133			286						286	
00:45	4	64	2	27	6	12:45	140	512	131	575	271	1087					271	
01:00	13	5			18	13:00	147	156			303						303	
01:15	11	2			13	13:15	152	132			284						284	
01:30	8	3			11	13:30	142	137			279						279	
01:45	4	36	3	13	7	13:45	147	588	135	560	282	1148					282	
02:00	5	2			7	14:00	174	123			297						297	
02:15	3	2			5	14:15	175	141			316						316	
02:30	2	4			6	14:30	195	131			326						326	
02:45	3	13	1	9	4	14:45	218	762	130	525	348	1267					348	
03:00	2	3			5	15:00	260	145			405						405	
03:15	1	6			7	15:15	283	137			420						420	
03:30	7	3			10	15:30	309	154			463						463	
03:45	1	11	3	15	4	15:45	326	1178	172	608	498	1786					498	
04:00	2	1			3	16:00	318	162			480						480	
04:15	2	7			9	16:15	282	130			412						412	
04:30	5	13			18	16:30	309	142			451						451	
04:45	3	12	19	40	22	16:45	327	1236	130	564	457	1800					457	
05:00	6	15			21	17:00	389	161			550						550	
05:15	16	32			48	17:15	336	160			496						496	
05:30	15	58			73	17:30	326	183			509						509	
05:45	12	49	100	205	112	17:45	311	1362	176	680	487	2042					487	
06:00	19	147			166	18:00	337	136			473						473	
06:15	34	216			250	18:15	328	156			484						484	
06:30	37	285			322	18:30	284	102			386						386	
06:45	49	139	322	970	371	18:45	246	1195	106	500	352	1695					352	
07:00	62	361			423	19:00	242	100			342						342	
07:15	123	367			490	19:15	235	99			334						334	
07:30	116	369			485	19:30	247	68			315						315	
07:45	138	439	351	1448	489	19:45	204	928	82	349	286	1277					286	
08:00	126	284			410	20:00	171	60			231						231	
08:15	132	287			419	20:15	165	64			229						229	
08:30	138	352			490	20:30	122	41			163						163	
08:45	129	525	368	1291	497	20:45	74	532	34	199	108	731					108	
09:00	111	365			476	21:00	118	56			174						174	
09:15	116	342			458	21:15	91	40			131						131	
09:30	101	288			389	21:30	79	37			116						116	
09:45	92	420	258	1253	350	21:45	89	377	46	179	135	556					135	
10:00	104	205			309	22:00	66	37			103						103	
10:15	101	182			283	22:15	72	28			100						100	
10:30	97	198			295	22:30	67	40			107						107	
10:45	110	412	196	781	306	22:45	42	247	22	127	64	374					64	
11:00	124	139			263	23:00	41	16			57						57	
11:15	109	139			248	23:15	27	13			40						40	
11:30	103	142			245	23:30	33	16			49						49	
11:45	115	451	181	601	296	23:45	33	134	16	61	49	195					49	
TOTALS	2571	6653			9224	TOTALS	9051	4927			13978						13978	
SPLIT %	27.9%	72.1%			39.8%	TOTALS	64.8%	35.2%			60.2%						60.2%	
DAILY TOTALS										NB		SB		EB		WB		Total
										14,622	11,580	0	0					23,202
AM Peak Hour	07:45	07:00			08:30	PM Peak Hour	16:45	17:00			17:00						17:00	
AM PK Volume	534	1448			1971	PM PK Volume	1378	680			2042						2042	
PK Hr Factor	0.967	0.981			0.966	PK Hr Factor	0.886	0.929			0.928						0.928	
7 - 9 Volume	964	2739	0	0	3703	4 - 6 Peak Hour	2598	1244	0	0	3842						3842	
7 - 9 Peak Hour	07:45	07:00			07:00	4 - 6 Peak Hour	16:45	17:00			17:00						17:00	
7 - 9 PK Volume	534	1448			1887	PK Hr Factor	1378	680			2042						2042	
PK Hr Factor	0.967	0.981			0.966	PK Hr Factor	0.886	0.929			0.928						0.928	

VOLUME

Malibu Canyon Rd between Civic Center Way & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_S141_026

DAILY TOTALS					NB	SB	EB	WB	Total		
					5,822	8,287	0	0	14,109		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	15	14			29	12:00	49	101			150
00:15	11	6			17	12:15	50	102			152
00:30	10	1			11	12:30	87	73			160
00:45	5	41	4	25	9	12:45	55	241	83	359	138
01:00	8	7			15	13:00	58	108			166
01:15	9	2			11	13:15	95	98			193
01:30	5	2			7	13:30	80	90			170
01:45	2	24	2	13	4	13:45	76	309	98	394	174
02:00	3	2			5	14:00	103	88			191
02:15	3	4			7	14:15	97	100			197
02:30	1	1			2	14:30	109	93			202
02:45	2	9	1	8	3	14:45	120	429	99	380	219
03:00	0	3			3	15:00	148	113			261
03:15	1	4			5	15:15	141	130			271
03:30	3	2			5	15:30	156	114			270
03:45	3	7	2	11	5	15:45	172	617	117	474	289
04:00	2	1			3	16:00	145	115			260
04:15	1	4			5	16:15	116	94			210
04:30	3	5			8	16:30	143	98			241
04:45	8	14	7	17	15	16:45	148	552	82	389	230
05:00	5	4			9	17:00	142	131			273
05:15	12	12			24	17:15	123	101			224
05:30	8	22			30	17:30	150	114			264
05:45	15	40	61	99	76	17:45	120	535	114	460	234
06:00	19	124			143	18:00	134	92			226
06:15	28	200			228	18:15	138	107			245
06:30	25	265			290	18:30	120	65			185
06:45	39	111	287	876	326	18:45	105	497	72	336	177
07:00	36	323			359	19:00	99	60			159
07:15	73	308			381	19:15	115	67			182
07:30	88	305			393	19:30	112	51			163
07:45	115	312	241	1177	356	19:45	90	416	50	228	140
08:00	77	215			292	20:00	77	48			125
08:15	88	231			319	20:15	75	55			130
08:30	114	297			411	20:30	54	31			85
08:45	82	361	268	1011	350	20:45	28	234	28	162	56
09:00	73	217			290	21:00	47	47			94
09:15	72	208			280	21:15	40	26			66
09:30	53	159			212	21:30	26	30			56
09:45	67	265	139	723	206	21:45	42	155	34	137	76
10:00	56	123			179	22:00	44	34			78
10:15	54	128			182	22:15	29	28			57
10:30	55	113			168	22:30	23	26			49
10:45	61	226	115	479	176	22:45	16	112	17	105	33
11:00	75	77			152	23:00	14	15			29
11:15	65	89			154	23:15	13	13			26
11:30	61	90			151	23:30	10	20			30
11:45	63	264	107	363	170	23:45	14	51	13	61	27
TOTALS	1674	4802			6476	TOTALS	4148	3485			7633
SPLIT %	25.8%	74.2%			45.9%	SPLIT %	54.3%	45.7%			54.1%

DAILY TOTALS					NB	SB	EB	WB	Total		
					5,822	8,287	0	0	14,109		
AM Peak Hour	07:45	06:45			07:00	PM Peak Hour	15:00	15:15		15:00	
AM Pk Volume	394	1223			1489	PM Pk Volume	617	476		1091	
Pk Hr Factor	0.857	0.947			0.947	Pk Hr Factor	0.897	0.915		0.944	
7 - 9 Volume	673	2188	0	0	2861	4 - 6 Volume	1087	849	0	0	1936
7 - 9 Peak Hour	07:45	07:00			07:00	4 - 6 Peak Hour	16:45	17:00			17:00
7 - 9 Pk Volume	394	1177	0	0	1489	Volume	563	460	0	0	995
Pk Hr Factor	0.857	0.911	0.000	0.000	0.947	Pk Hr Factor	0.938	0.878	0.000	0.000	0.911

VOLUME

Malibu Country Drive between John Tyler Dr (Private) & John Tyler Dr (South)

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_027

DAILY TOTALS					NB	SB	EB	WB	Total					
					0	0	450	455	905					
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00			0	0	0	12:00			10	6	16			
00:15			0	1	1	12:15			10	9	19			
00:30			0	0	0	12:30			9	10	19			
00:45			0	0	1	12:45			9	38	9	34	18	72
01:00			0	2	2	13:00			11	5	16			
01:15			2	0	2	13:15			5	6	11			
01:30			0	2	2	13:30			6	10	16			
01:45			0	2	1	13:45			13	35	8	29	21	64
02:00			0	0	0	14:00			4	6	10			
02:15			0	0	0	14:15			6	12	18			
02:30			0	0	0	14:30			7	9	16			
02:45			0	0	0	14:45			10	27	9	36	19	63
03:00			0	0	0	15:00			16	12	28			
03:15			0	0	0	15:15			7	8	15			
03:30			0	0	0	15:30			6	5	11			
03:45			0	0	0	15:45			7	36	11	36	18	72
04:00			0	0	0	16:00			10	11	21			
04:15			0	0	0	16:15			11	4	15			
04:30			0	0	0	16:30			6	10	16			
04:45			0	0	0	16:45			6	33	14	39	20	72
05:00			0	0	0	17:00			3	5	8			
05:15			2	0	2	17:15			4	6	10			
05:30			0	0	0	17:30			4	6	10			
05:45			1	3	0	17:45			6	17	7	24	13	41
06:00			2	0	2	18:00			5	9	14			
06:15			4	1	5	18:15			8	19	27			
06:30			1	0	1	18:30			11	8	19			
06:45			2	9	1	18:45			7	31	4	40	11	71
07:00			12	2	14	19:00			3	6	9			
07:15			5	5	10	19:15			2	5	7			
07:30			14	3	17	19:30			5	9	14			
07:45			10	41	7	19:45			5	15	4	24	9	39
08:00			6	5	11	20:00			3	11	14			
08:15			7	7	14	20:15			2	7	9			
08:30			12	5	17	20:30			4	4	8			
08:45			15	40	3	20:45			4	13	9	31	13	44
09:00			5	4	9	21:00			1	2	3			
09:15			11	10	21	21:15			0	4	4			
09:30			5	5	10	21:30			3	4	7			
09:45			13	34	10	21:45			1	5	6	16	7	21
10:00			7	9	16	22:00			4	5	9			
10:15			8	6	14	22:15			2	3	5			
10:30			3	4	7	22:30			0	6	6			
10:45			9	27	9	22:45			1	7	1	15	2	22
11:00			8	6	14	23:00			0	3	3			
11:15			13	5	18	23:15			2	1	3			
11:30			5	4	9	23:30			0	1	1			
11:45			6	32	7	23:45			3	5	2	7	5	12
TOTALS			188	124	312	TOTALS			262	331	593			
SPLIT %			60.3%	39.7%	34.5%	SPLIT %			44.2%	55.8%	65.5%			

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	450	455	905		
AM Peak Hour			08:30	09:15	09:15	PM Peak Hour			14:30	17:45	14:15
AM Pk Volume			43	34	70	PM Pk Volume			40	43	81
Pk Hr Factor			0.717	0.850	0.761	Pk Hr Factor			0.625	0.566	0.723
7 - 9 Volume	0	0	81	37	118	4 - 6 Volume	0	0	50	63	113
7 - 9 Peak Hour			07:00	07:45	08:00	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	41	24	60	7 - 9 Pk Volume	0	0	33	39	72
Pk Hr Factor	0.000	0.000	0.732	0.857	0.833	Pk Hr Factor	0.000	0.000	0.750	0.696	0.857

VOLUME

Malibu Rd between PCH & Webb Way (west of)

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_S141_028

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	120	533	653		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			0	2	2	12:00			0	13	13
00:15			1	3	4	12:15			2	14	16
00:30			0	1	1	12:30			1	14	15
00:45			0	1	0	12:45			4	7	12
01:00			0	0	0	13:00			3	10	13
01:15			0	1	1	13:15			0	10	10
01:30			0	0	0	13:30			4	14	18
01:45			2	2	0	13:45			3	10	14
02:00			0	0	0	14:00			1	13	14
02:15			0	0	0	14:15			3	11	14
02:30			0	0	0	14:30			4	15	19
02:45			0	1	1	14:45			2	10	17
03:00			0	0	0	15:00			3	9	12
03:15			0	0	0	15:15			1	14	15
03:30			0	0	0	15:30			3	8	11
03:45			0	0	0	15:45			3	10	7
04:00			0	0	0	16:00			5	9	14
04:15			0	0	0	16:15			2	7	9
04:30			0	1	1	16:30			2	8	10
04:45			0	0	0	16:45			1	10	10
05:00			1	0	1	17:00			0	5	5
05:15			0	0	0	17:15			1	10	11
05:30			0	0	0	17:30			2	10	12
05:45			0	1	0	17:45			4	7	11
06:00			1	1	2	18:00			3	9	12
06:15			0	0	0	18:15			2	7	9
06:30			1	0	1	18:30			1	5	6
06:45			0	2	3	18:45			2	8	5
07:00			1	4	5	19:00			1	6	7
07:15			1	1	2	19:15			1	3	4
07:30			0	4	4	19:30			2	4	6
07:45			2	4	1	19:45			1	5	6
08:00			2	11	13	20:00			0	5	5
08:15			1	10	11	20:15			1	6	7
08:30			1	2	3	20:30			0	2	2
08:45			0	4	4	20:45			0	1	2
09:00			0	4	4	21:00			1	1	2
09:15			2	6	8	21:15			1	1	2
09:30			1	9	10	21:30			0	7	7
09:45			2	5	16	21:45			0	2	3
10:00			2	8	10	22:00			0	0	0
10:15			1	7	8	22:15			0	6	6
10:30			4	11	15	22:30			1	4	5
10:45			8	15	16	22:45			0	1	3
11:00			5	10	15	23:00			0	2	2
11:15			2	14	16	23:15			0	2	2
11:30			3	17	20	23:30			1	0	1
11:45			2	12	11	23:45			2	3	0
TOTALS			46	179	225	TOTALS			74	354	428
SPLIT %			20.4%	79.6%	34.5%	SPLIT %			17.3%	82.7%	65.5%

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	120	533	653		
AM Peak Hour			10:30	10:45	10:45	PM Peak Hour			15:30	14:00	14:00
AM Pk Volume			19	57	75	PM Pk Volume			13	56	66
Pk Hr Factor			0.594	0.838	0.781	Pk Hr Factor			0.650	0.824	0.868
7 - 9 Volume	0	0	8	37	45	4 - 6 Volume	0	0	17	70	87
7 - 9 Peak Hour			07:45	08:00	07:30	4 - 6 Peak Hour			16:00	17:00	16:00
7 - 9 Pk Volume	0	0	6	27	31	4 - 6 Pk Volume	0	0	10	36	44
Pk Hr Factor	0.000	0.000	0.750	0.614	0.596	Pk Hr Factor	0.000	0.000	0.500	0.818	0.786

VOLUME

Malibu Rd between Webb Way (east of) & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_S141_029

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	1,972	600	2,572	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			2	0	2	12:00			45	13	58
00:15			1	0	1	12:15			33	12	45
00:30			0	0	0	12:30			57	12	69
00:45			0	3	0	12:45			39	174	55
01:00			2	3	5	13:00			41	8	49
01:15			0	2	2	13:15			44	17	61
01:30			0	0	0	13:30			40	14	54
01:45			1	3	0	13:45			43	168	54
02:00			0	0	0	14:00			31	13	44
02:15			0	0	0	14:15			44	13	57
02:30			0	0	0	14:30			54	11	65
02:45			1	1	0	14:45			41	170	64
03:00			0	1	1	15:00			40	28	68
03:15			1	0	1	15:15			48	19	67
03:30			0	0	0	15:30			37	16	53
03:45			0	1	0	15:45			45	170	59
04:00			1	0	1	16:00			36	20	56
04:15			1	0	1	16:15			40	9	49
04:30			1	1	2	16:30			34	5	39
04:45			1	4	0	16:45			42	152	56
05:00			2	0	2	17:00			35	12	47
05:15			3	0	3	17:15			45	8	53
05:30			4	1	5	17:30			26	14	40
05:45			3	12	1	17:45			26	132	36
06:00			10	0	10	18:00			26	6	32
06:15			8	0	8	18:15			29	15	44
06:30			14	2	16	18:30			25	7	32
06:45			20	52	2	18:45			25	105	38
07:00			32	1	33	19:00			17	4	21
07:15			29	2	31	19:15			19	4	23
07:30			28	8	36	19:30			23	2	25
07:45			17	106	5	19:45			18	77	18
08:00			18	6	24	20:00			8	0	8
08:15			31	7	38	20:15			12	2	14
08:30			33	7	40	20:30			14	3	17
08:45			39	121	9	20:45			10	44	13
09:00			35	5	40	21:00			6	1	7
09:15			27	5	32	21:15			7	2	9
09:30			27	20	47	21:30			8	0	8
09:45			31	120	8	21:45			9	30	10
10:00			32	21	53	22:00			8	2	10
10:15			42	10	52	22:15			6	4	10
10:30			32	9	41	22:30			4	1	5
10:45			30	136	10	22:45			6	24	7
11:00			41	10	51	23:00			4	2	6
11:15			39	14	53	23:15			4	0	4
11:30			37	11	48	23:30			0	0	0
11:45			41	158	14	23:45			1	9	1
TOTALS			717	195	912	TOTALS			1255	405	1660
SPLIT %			78.6%	21.4%	35.5%	SPLIT %			75.6%	24.4%	64.5%

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	1,972	600	2,572	
AM Peak Hour			11:45	09:30	11:45	PM Peak Hour			14:30	14:45	14:30
AM Pk Volume			176	59	227	PM Pk Volume			183	86	264
Pk Hr Factor			0.772	0.702	0.822	Pk Hr Factor			0.847	0.768	0.971
7 - 9 Volume	0	0	227	45	272	4 - 6 Volume	0	0	284	92	376
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:30	16:00	16:00
7 - 9 Pk Volume	0	0	121	29	150	4 - 6 Pk Volume	0	0	156	48	200
Pk Hr Factor	0.000	0.000	0.776	0.806	0.781	Pk Hr Factor	0.000	0.000	0.867	0.600	0.893

VOLUME

Merritt Dr between Morning View Dr & Busch Dr

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_S141_030

DAILY TOTALS					NB	SB	EB	WB	Total		
					267	274	0	0	541		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	0			0	12:00	4	3			7
00:15	0	0			0	12:15	3	2			5
00:30	0	1			1	12:30	7	7			14
00:45	0	0	1		0	12:45	24	38	9	21	33
01:00	0	0			0	13:00	9	5			14
01:15	0	0			0	13:15	5	2			7
01:30	0	0			0	13:30	6	4			10
01:45	0	0			0	13:45	5	25	8	19	13
02:00	0	0			0	14:00	4	7			11
02:15	0	0			0	14:15	3	5			8
02:30	0	0			0	14:30	5	7			12
02:45	0	0			0	14:45	11	23	7	26	18
03:00	0	0			0	15:00	5	6			11
03:15	0	0			0	15:15	6	5			11
03:30	0	0			0	15:30	7	5			12
03:45	0	0			0	15:45	4	22	4	20	8
04:00	0	0			0	16:00	5	3			8
04:15	0	0			0	16:15	5	3			8
04:30	0	1			1	16:30	4	3			7
04:45	0	1	2		1	16:45	7	21	7	16	14
05:00	0	0			0	17:00	2	4			6
05:15	0	0			0	17:15	2	2			4
05:30	0	0			0	17:30	3	3			6
05:45	2	2	1	1	3	17:45	2	9	3	12	5
06:00	1	2			3	18:00	3	5			8
06:15	2	1			3	18:15	3	5			8
06:30	2	0			2	18:30	2	2			4
06:45	0	5	0	3	0	18:45	2	10	0	12	2
07:00	5	3			8	19:00	1	2			3
07:15	4	5			9	19:15	3	1			4
07:30	3	13			16	19:30	0	0			0
07:45	13	25	22	43	35	19:45	2	6	1	4	3
08:00	15	15			30	20:00	3	3			6
08:15	5	5			10	20:15	1	1			2
08:30	5	4			9	20:30	0	0			0
08:45	3	28	5	29	8	20:45	1	5	1	5	2
09:00	3	4			7	21:00	0	0			0
09:15	3	1			4	21:15	0	0			0
09:30	6	5			11	21:30	1	0			1
09:45	5	17	1	11	6	21:45	1	2	1	1	2
10:00	2	5			7	22:00	0	0			0
10:15	5	7			12	22:15	0	0			0
10:30	2	1			3	22:30	0	2			2
10:45	4	13	6	19	10	22:45	0	0	2		0
11:00	6	4			10	23:00	0	0			0
11:15	2	3			5	23:15	0	0			0
11:30	2	6			8	23:30	1	4			5
11:45	5	15	10	23	15	23:45	0	1	0	4	0
TOTALS	105	132			237	TOTALS	162	142			304
SPLIT %	44.3%	55.7%			43.8%	SPLIT %	53.3%	46.7%			56.2%

DAILY TOTALS					NB	SB	EB	WB	Total		
					267	274	0	0	541		
AM Peak Hour	07:45	07:15			07:30	PM Peak Hour	12:30	13:45		12:30	
AM Pk Volume	38	55			91	PM Pk Volume	45	27		68	
Pk Hr Factor	0.633	0.625			0.650	Pk Hr Factor	0.469	0.844		0.515	
7 - 9 Volume	53	72	0	0	125	4 - 6 Volume	30	28	0	0	58
7 - 9 Peak Hour	07:45	07:15			07:30	4 - 6 Peak Hour	16:00	16:15			16:00
7 - 9 Pk Volume	38	55	0	0	91	Volume	21	17	0	0	37
Pk Hr Factor	0.633	0.625	0.000	0.000	0.650	Pk Hr Factor	0.750	0.607	0.000	0.000	0.661

VOLUME

Morning View Dr between Guernsey Ave & Via Cabrillo

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_031

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	681	739	1,420		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			0	0	0	12:00			8	7	15
00:15			0	0	0	12:15			15	2	17
00:30			0	0	0	12:30			32	48	80
00:45			0	0	0	12:45			12	67	72
01:00			0	0	0	13:00			8	19	27
01:15			1	0	1	13:15			9	11	20
01:30			0	0	0	13:30			6	6	12
01:45			0	1	0	13:45			8	31	6
02:00			0	0	0	14:00			12	14	26
02:15			0	0	0	14:15			14	9	23
02:30			0	0	0	14:30			16	8	24
02:45			0	1	1	14:45			29	71	30
03:00			0	0	0	15:00			17	20	37
03:15			0	0	0	15:15			14	15	29
03:30			0	0	0	15:30			8	10	18
03:45			0	0	0	15:45			10	49	4
04:00			0	0	0	16:00			8	7	15
04:15			0	0	0	16:15			12	16	28
04:30			0	0	0	16:30			11	16	27
04:45			0	0	0	16:45			9	40	21
05:00			1	0	1	17:00			13	21	34
05:15			1	0	1	17:15			11	7	18
05:30			3	1	4	17:30			5	12	17
05:45			4	9	0	17:45			14	43	12
06:00			1	2	3	18:00			9	12	21
06:15			0	0	0	18:15			5	9	14
06:30			3	5	8	18:30			10	9	19
06:45			0	4	4	18:45			7	31	9
07:00			17	9	26	19:00			2	2	4
07:15			12	10	22	19:15			0	4	4
07:30			54	26	80	19:30			3	1	4
07:45			83	166	67	19:45			4	9	4
08:00			48	58	106	20:00			4	8	12
08:15			12	20	32	20:15			0	0	0
08:30			14	5	19	20:30			0	1	1
08:45			5	79	9	20:45			0	4	2
09:00			4	9	13	21:00			1	0	1
09:15			3	5	8	21:15			0	1	1
09:30			3	9	12	21:30			6	0	6
09:45			7	17	4	21:45			1	8	1
10:00			6	9	15	22:00			0	0	0
10:15			8	5	13	22:15			0	1	1
10:30			5	4	9	22:30			1	0	1
10:45			6	25	7	22:45			0	1	1
11:00			11	3	14	23:00			0	0	0
11:15			4	9	13	23:15			0	0	0
11:30			3	9	12	23:30			0	0	0
11:45			8	26	3	23:45			0	0	0
TOTALS			327	293	620	TOTALS			354	446	800
SPLIT %			52.7%	47.3%	43.7%	SPLIT %			44.3%	55.8%	56.3%

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	681	739	1,420

AM Peak Hour			07:15	07:30	07:30	PM Peak Hour			14:15	12:30	12:30
AM Pk Volume			197	171	368	PM Pk Volume			76	138	199
Pk Hr Factor			0.593	0.638	0.613	Pk Hr Factor			0.655	0.575	0.622
7 - 9 Volume	0	0	245	204	449	4 - 6 Volume	0	0	83	112	195
7 - 9 Peak Hour			07:15	07:30	07:30	4 - 6 Peak Hour			16:15	16:15	16:15
7 - 9 Pk Volume	0	0	197	171	368	Volume	0	0	45	74	119
Pk Hr Factor	0.000	0.000	0.593	0.638	0.613	Pk Hr Factor	0.000	0.000	0.865	0.881	0.875

VOLUME

Morning View Dr between Via Cabrillo & PCH

Day: Thursday
Date: 3/20/2014

City: Malibu
Project #: CA14_S141_032

DAILY TOTALS						NB	SB	EB	WB	Total	
						1,941	1,764	0	0	3,705	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	1	0			1	12:00	23	21			44
00:15	0	0			0	12:15	12	10			22
00:30	1	1			2	12:30	14	11			25
00:45	1	3	0	1	1	12:45	27	76	16	58	43
					4						134
01:00	2	0			2	13:00	26	24			50
01:15	2	3			5	13:15	10	14			24
01:30	0	1			1	13:30	15	20			35
01:45	0	4	0	4	0	13:45	25	76	10	68	35
					8						144
02:00	0	0			0	14:00	31	21			52
02:15	0	0			0	14:15	35	19			54
02:30	0	0			0	14:30	71	17			88
02:45	0	0			0	14:45	78	215	38	95	116
											310
03:00	0	0			0	15:00	77	140			217
03:15	2	0			2	15:15	45	99			144
03:30	0	0			0	15:30	30	38			68
03:45	0	2	0		0	15:45	27	179	29	306	56
					2						485
04:00	0	0			0	16:00	37	36			73
04:15	0	0			0	16:15	37	26			63
04:30	2	0			2	16:30	32	40			72
04:45	0	2	0		0	16:45	52	158	39	141	91
					2						299
05:00	0	2			2	17:00	29	42			71
05:15	0	2			2	17:15	27	38			65
05:30	2	1			3	17:30	22	20			42
05:45	1	3	0	5	1	17:45	25	103	35	135	60
					8						238
06:00	4	3			7	18:00	25	25			50
06:15	8	3			11	18:15	23	35			58
06:30	11	5			16	18:30	17	34			51
06:45	12	35	4	15	16	18:45	10	75	26	120	36
					50						195
07:00	23	18			41	19:00	12	46			58
07:15	59	25			84	19:15	12	24			36
07:30	203	90			293	19:30	10	11			21
07:45	202	487	153	286	355	19:45	7	41	8	89	15
					773						130
08:00	96	94			190	20:00	10	14			24
08:15	41	37			78	20:15	7	20			27
08:30	29	26			55	20:30	3	7			10
08:45	35	201	15	172	50	20:45	7	27	9	50	16
					373						77
09:00	33	12			45	21:00	6	5			11
09:15	15	10			25	21:15	3	3			6
09:30	11	11			22	21:30	1	0			1
09:45	16	75	16	49	32	21:45	2	12	0	8	2
					124						20
10:00	33	30			63	22:00	4	4			8
10:15	15	25			40	22:15	0	0			0
10:30	13	10			23	22:30	0	1			1
10:45	15	76	11	76	26	22:45	1	5	1	6	2
					152						11
11:00	21	13			34	23:00	5	2			7
11:15	17	27			44	23:15	2	0			2
11:30	18	10			28	23:30	0	2			2
11:45	23	79	25	75	48	23:45	0	7	1	5	1
					154						12
TOTALS	967	683			1650	TOTALS	974	1081			2055
SPLIT %	58.6%	41.4%			44.5%	SPLIT %	47.4%	52.6%			55.5%

DAILY TOTALS						NB	SB	EB	WB	Total	
						1,941	1,764	0	0	3,705	
AM Peak Hour	07:15	07:30			07:15	PM Peak Hour	14:30	14:45		14:30	
AM Pk Volume	560	374			922	PM Pk Volume	271	315		565	
Pk Hr Factor	0.690	0.611			0.649	Pk Hr Factor	0.869	0.563		0.651	
7 - 9 Volume	688	458	0	0	1146	4 - 6 Volume	261	276	0	0	537
7 - 9 Peak Hour	07:15	07:30			07:15	4 - 6 Peak Hour	16:00	16:30			16:00
7 - 9 Pk Volume	560	374	0	0	922	4 - 6 Pk Volume	158	159	0	0	299
Pk Hr Factor	0.690	0.611	0.000	0.000	0.649	Pk Hr Factor	0.760	0.946	0.000	0.000	0.821

VOLUME

Philip Ave between Morning View Dr & Cuthbert Rd

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_033

DAILY TOTALS						NB	SB	EB	WB	Total	
						489	558	0	0	1,047	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	0			0	12:00	7	12			19
00:15	1	0			1	12:15	6	11			17
00:30	0	0			0	12:30	13	14			27
00:45	1	2	0		1	12:45	9	35	6	43	15
01:00	0	0			0	13:00	14	15			29
01:15	0	2			2	13:15	14	9			23
01:30	0	0			0	13:30	9	13			22
01:45	0	0	2		0	13:45	7	44	10	47	17
02:00	0	0			0	14:00	11	5			16
02:15	0	0			0	14:15	3	13			16
02:30	0	0			0	14:30	5	16			21
02:45	0	0			0	14:45	15	34	16	50	31
03:00	1	0			1	15:00	10	13			23
03:15	0	0			0	15:15	13	15			28
03:30	0	0			0	15:30	8	15			23
03:45	0	1	0		0	15:45	8	39	13	56	21
04:00	0	0			0	16:00	4	11			15
04:15	0	0			0	16:15	8	10			18
04:30	0	0			0	16:30	6	6			12
04:45	0	0			0	16:45	10	28	12	39	22
05:00	0	1			1	17:00	8	11			19
05:15	0	0			0	17:15	7	14			21
05:30	0	1			1	17:30	4	7			11
05:45	1	1	1	3	2	17:45	15	34	9	41	24
06:00	4	3			7	18:00	8	5			13
06:15	1	1			2	18:15	9	8			17
06:30	4	4			8	18:30	4	7			11
06:45	12	21	10	18	22	18:45	11	32	1	21	12
07:00	15	8			23	19:00	2	3			5
07:15	7	13			20	19:15	7	2			9
07:30	5	11			16	19:30	0	3			3
07:45	18	45	21	53	39	19:45	2	11	1	9	3
08:00	14	15			29	20:00	5	2			7
08:15	11	5			16	20:15	2	2			4
08:30	4	11			15	20:30	1	4			5
08:45	12	41	7	38	19	20:45	2	10	1	9	3
09:00	6	9			15	21:00	0	3			3
09:15	7	7			14	21:15	3	0			3
09:30	10	6			16	21:30	0	1			1
09:45	8	31	8	30	16	21:45	4	7	0	4	4
10:00	11	17			28	22:00	0	0			0
10:15	6	11			17	22:15	2	2			4
10:30	3	8			11	22:30	0	2			2
10:45	9	29	7	43	16	22:45	3	5	2	6	5
11:00	7	8			15	23:00	0	0			0
11:15	11	12			23	23:15	0	0			0
11:30	14	14			28	23:30	0	1			1
11:45	7	39	11	45	18	23:45	0	0	1		0
TOTALS	210	232			442	TOTALS	279	326			605
SPLIT %	47.5%	52.5%			42.2%	SPLIT %	46.1%	53.9%			57.8%

DAILY TOTALS						NB	SB	EB	WB	Total
						489	558	0	0	1,047
AM Peak Hour	07:30	07:15			07:15	PM Peak Hour	12:30	14:30		14:45
AM Pk Volume	48	60			104	PM Pk Volume	50	60		105
Pk Hr Factor	0.667	0.714			0.667	Pk Hr Factor	0.893	0.938		0.847
7 - 9 Volume	86	91	0	0	177	4 - 6 Volume	62	80	0	0
7 - 9 Peak Hour	07:30	07:15			07:15	4 - 6 Peak Hour	17:00	16:45		17:00
7 - 9 Pk Volume	48	60	0	0	104	4 - 6 Pk Volume	34	44	0	0
Pk Hr Factor	0.667	0.714	0.000	0.000	0.667	Pk Hr Factor	0.567	0.786	0.000	0.000

Rambla Vista between PCH & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_034

DAILY TOTALS										NB		SB		EB		WB		TOTAL	
										252	282	0	0	0	0	0	0	0	594
AM/Period	NB	SB	EB	WB	TOTAL	PM/Period	NB	SB	WB	TOTAL	SPLIT %	EB	WB	TOTAL	SPLIT %	EB	WB	TOTAL	
00:00	0	0	0	0	0	12:00	0	8	4	4				4				4	
00:15	0	0	0	0	0	12:15	3	3	6	6				14				14	
00:30	2	1	1	2	3	12:30	6	3	3	6				6				6	
00:45	2	4	2	2	6	12:45	17	5	18	18				11				35	
01:00	0	0	0	0	0	13:00	3	6	6	6				9				9	
01:15	0	0	0	0	0	13:15	9	3	3	3				12				12	
01:30	0	0	0	0	0	13:30	4	9	9	9				13				13	
01:45	0	0	0	0	0	13:45	4	20	3	21				7				41	
02:00	0	0	0	0	0	14:00	4	2	2	6				6				6	
02:15	0	0	0	0	0	14:15	3	1	1	4				4				4	
02:30	0	0	0	0	0	14:30	6	6	6	6				12				12	
02:45	0	0	0	0	0	14:45	2	15	3	12				5				27	
03:00	0	0	0	0	0	15:00	7	8	8	15				15				15	
03:15	0	0	0	0	0	15:15	4	8	2	8				12				12	
03:30	0	0	0	0	0	15:30	3	2	2	5				5				5	
03:45	0	0	0	0	0	15:45	8	4	4	12				12				12	
04:00	0	0	0	0	0	16:00	2	2	4	2				6				6	
04:15	1	1	1	0	2	16:15	2	7	7	4				9				9	
04:30	0	0	0	0	0	16:30	5	5	4	9				9				9	
04:45	0	1	2	2	3	16:45	3	12	5	20				32				32	
05:00	0	0	0	0	0	17:00	6	6	6	6				12				12	
05:15	1	1	1	0	2	17:15	5	9	9	9				14				14	
05:30	0	1	1	3	4	17:30	5	5	5	5				10				10	
05:45	0	1	1	1	1	17:45	5	21	2	22				7				43	
06:00	1	1	1	1	2	18:00	1	9	9	9				10				10	
06:15	1	1	1	2	2	18:15	8	6	6	6				14				14	
06:30	3	2	2	5	5	18:30	3	2	2	5				5				5	
06:45	4	9	2	6	15	18:45	2	14	1	18				3				32	
07:00	6	8	8	14	14	19:00	1	1	2	2				3				3	
07:15	2	2	2	4	4	19:15	1	2	2	2				3				3	
07:30	0	0	5	5	5	19:30	2	4	4	4				6				6	
07:45	8	4	4	19	4	19:45	5	9	0	8				5				17	
08:00	4	2	2	6	6	20:00	4	4	1	5				5				5	
08:15	3	2	2	5	5	20:15	4	2	2	2				6				6	
08:30	2	10	12	7	12	20:30	4	4	1	5				5				5	
08:45	3	12	4	18	30	20:45	2	14	1	5				3				19	
09:00	5	4	4	9	9	21:00	4	2	2	2				6				6	
09:15	5	5	10	15	10	21:15	1	2	2	3				3				3	
09:30	5	5	10	15	15	21:30	6	3	3	9				3				9	
09:45	6	21	8	27	48	21:45	3	14	5	12				8				26	
10:00	3	5	5	8	8	22:00	2	1	1	3				3				3	
10:15	4	12	16	9	16	22:15	0	3	3	3				3				3	
10:30	3	6	9	9	9	22:30	2	0	0	2				2				2	
10:45	4	14	4	27	41	22:45	0	4	3	7				3				11	
11:00	4	2	2	6	6	23:00	1	0	0	1				1				1	
11:15	3	2	2	5	5	23:15	1	0	0	1				1				1	
11:30	7	5	5	12	12	23:30	0	0	0	0				0				0	
11:45	2	16	4	13	29	23:45	2	4	0	4				2				4	
TOTALS	86	117	117	203	38.0%	TOTALS	166	165	49.8%	TOTALS	331	62.0%	534	62.0%	331	62.0%	534	62.0%	
SPLIT %	42.4%	57.6%	57.6%	38.0%	38.0%	SPLIT %	50.2%	49.8%	49.8%	49.8%	50.2%	49.8%	49.8%	50.2%	49.8%	49.8%	50.2%	49.8%	
DAILY TOTALS										NB		SB		EB		WB		TOTAL	
										252	282	0	0	0	0	0	0	534	
AM Peak Hour	09:00	09:30	09:30	09:30	53	PM Peak Hour	12:45	14:30	14:30	25	12:45	14:30	14:30	45					
AM Pk Volume	21	35	0.729	0.828	0.828	PM Pk Volume	22	25	0.781	0.865	0.865	0.865	0.865	45					
Pk Hr Factor	0.875	0.729	0.729	0.828	0.828	Pk Hr Factor	0.611	0.781	0.781	0.865	0.865	0.865	0.865	45					
7 - 9 Volume	20	37	0	0	57	4 - 6 Volume	33	42	0	75	75	75	75	75					
7 - 9 Peak Hour	08:00	07:00	0	0	30	4 - 6 Peak Hour	17:00	16:45	0	16:45	16:45	16:45	16:45	44					
7 - 9 Pk Volume	12	19	0	0	30	4 - 6 Pk Volume	21	25	0	44	44	44	44	44					
Pk Hr Factor	0.750	0.594	0.000	0.000	0.625	Pk Hr Factor	0.875	0.694	0.000	0.000	0.786	0.786	0.786	44					

VOLUME

Trancas Canyon Rd between North City Limit & PCH

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_035

DAILY TOTALS						NB	SB	EB	WB	Total	
						812	769	0	0	1,581	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	2	3			5	12:00	16	18			34
00:15	0	0			0	12:15	8	11			19
00:30	0	0			0	12:30	12	17			29
00:45	0	2	0	3	5	12:45	25	61	17	63	124
01:00	2	2			4	13:00	14	10			24
01:15	0	1			1	13:15	11	11			22
01:30	0	0			0	13:30	10	9			19
01:45	0	2	0	3	5	13:45	13	48	13	43	91
02:00	0	0			0	14:00	12	16			28
02:15	0	0			0	14:15	9	13			22
02:30	0	0			0	14:30	11	18			29
02:45	0	0			0	14:45	17	49	12	59	108
03:00	0	0			0	15:00	16	17			33
03:15	1	1			2	15:15	30	19			49
03:30	0	0			0	15:30	28	15			43
03:45	0	1	1	2	3	15:45	21	95	22	73	168
04:00	0	0			0	16:00	20	16			36
04:15	1	1			2	16:15	21	18			39
04:30	2	2			4	16:30	6	8			14
04:45	1	4	2	5	9	16:45	15	62	14	56	118
05:00	0	1			1	17:00	12	20			32
05:15	0	0			0	17:15	12	11			23
05:30	1	1			2	17:30	8	6			14
05:45	0	1	2	4	5	17:45	15	47	10	47	94
06:00	0	2			2	18:00	16	10			26
06:15	2	8			10	18:15	11	12			23
06:30	6	3			9	18:30	11	7			18
06:45	7	15	8	21	36	18:45	10	48	11	40	88
07:00	9	7			16	19:00	11	10			21
07:15	8	12			20	19:15	6	8			14
07:30	17	18			35	19:30	9	15			24
07:45	18	52	16	53	105	19:45	9	35	13	46	81
08:00	13	10			23	20:00	6	8			14
08:15	10	9			19	20:15	8	5			13
08:30	11	10			21	20:30	1	3			4
08:45	13	47	14	43	90	20:45	9	24	6	22	46
09:00	9	12			21	21:00	12	3			15
09:15	14	6			20	21:15	4	4			8
09:30	13	10			23	21:30	10	8			18
09:45	20	56	14	42	98	21:45	10	36	5	20	56
10:00	16	8			24	22:00	5	5			10
10:15	14	16			30	22:15	6	5			11
10:30	13	13			26	22:30	1	0			1
10:45	14	57	21	58	115	22:45	0	12	2	12	24
11:00	10	14			24	23:00	3	4			7
11:15	16	10			26	23:15	0	0			0
11:30	18	17			35	23:30	0	0			0
11:45	10	54	9	50	104	23:45	1	4	0	4	8
TOTALS	291	284			575	TOTALS	521	485			1006
SPLIT %	50.6%	49.4%			36.4%	SPLIT %	51.8%	48.2%			63.6%

DAILY TOTALS						NB	SB	EB	WB	Total
						812	769	0	0	1,581

AM Peak Hour	09:15	10:15			10:45	PM Peak Hour	15:15	15:00		15:15	
AM Pk Volume	63	64			120	PM Pk Volume	99	73		171	
Pk Hr Factor	0.788	0.762			0.857	Pk Hr Factor	0.825	0.830		0.872	
7 - 9 Volume	99	96	0	0	195	4 - 6 Volume	109	103	0	0	212
7 - 9 Peak Hour	07:30	07:15			07:15	4 - 6 Peak Hour	16:00	16:15			16:00
7 - 9 Pk Volume	58	56	0	0	112	7 - 9 Pk Volume	62	60	0	0	118
Pk Hr Factor	0.806	0.778	0.000	0.000	0.800	Pk Hr Factor	0.738	0.750	0.000	0.000	0.756

VOLUME

Westward Beach Rd between PCH & Birdview Avenue

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_036

DAILY TOTALS					NB	SB	EB	WB	Total		
					1,312	1,392	0	0	2,704		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	2	1			3	12:00	19	33			52
00:15	3	2			5	12:15	35	29			64
00:30	1	0			1	12:30	16	28			44
00:45	0	6	0	3	9	12:45	21	91	34	124	215
01:00	1	0			1	13:00	38	31			69
01:15	0	0			0	13:15	26	35			61
01:30	0	0			0	13:30	20	35			55
01:45	0	1	0		1	13:45	23	107	24	125	232
02:00	1	2			3	14:00	17	30			47
02:15	1	0			1	14:15	22	34			56
02:30	0	0			0	14:30	37	30			67
02:45	0	2	0	2	4	14:45	29	105	33	127	232
03:00	1	0			1	15:00	36	32			68
03:15	0	0			0	15:15	30	30			60
03:30	0	0			0	15:30	35	30			65
03:45	0	1	0		1	15:45	46	147	31	123	270
04:00	0	0			0	16:00	37	21			58
04:15	0	0			0	16:15	20	24			44
04:30	0	0			0	16:30	21	26			47
04:45	0	1	1		2	16:45	34	112	41	112	224
05:00	1	1			2	17:00	27	27			54
05:15	1	1			2	17:15	27	24			51
05:30	2	1			3	17:30	26	30			56
05:45	0	4	1	4	9	17:45	24	104	29	110	214
06:00	1	1			2	18:00	26	17			43
06:15	3	6			9	18:15	20	24			44
06:30	2	2			4	18:30	41	33			74
06:45	8	14	8	17	31	18:45	39	126	29	103	229
07:00	7	9			16	19:00	34	17			51
07:15	4	10			14	19:15	38	18			56
07:30	15	11			26	19:30	23	8			31
07:45	13	39	27	57	96	19:45	17	112	4	47	159
08:00	13	26			39	20:00	11	6			17
08:15	7	18			25	20:15	5	3			8
08:30	11	30			41	20:30	3	4			7
08:45	14	45	13	87	132	20:45	7	26	3	16	42
09:00	15	23			38	21:00	5	4			9
09:15	15	16			31	21:15	14	5			19
09:30	9	23			32	21:30	7	6			13
09:45	19	58	22	84	142	21:45	4	30	1	16	46
10:00	17	24			41	22:00	4	3			7
10:15	28	25			53	22:15	4	2			6
10:30	14	23			37	22:30	6	5			11
10:45	21	80	28	100	180	22:45	1	15	4	14	29
11:00	27	34			61	23:00	1	0			1
11:15	20	32			52	23:15	1	0			1
11:30	19	22			41	23:30	1	2			3
11:45	16	82	29	117	199	23:45	2	5	1	3	8
TOTALS	332	472			804	TOTALS	980	920			1900
SPLIT %	41.3%	58.7%			29.7%	SPLIT %	51.6%	48.4%			70.3%

DAILY TOTALS					NB	SB	EB	WB	Total		
					1,312	1,392	0	0	2,704		
AM Peak Hour	10:15	11:45			11:45	PM Peak Hour	18:30	12:45	15:00		
AM Pk Volume	90	119			205	PM Pk Volume	152	135	270		
Pk Hr Factor	0.804	0.902			0.801	Pk Hr Factor	0.927	0.964	0.877		
7 - 9 Volume	84	144	0	0	228	4 - 6 Volume	216	222	0	0	438
7 - 9 Peak Hour	07:30	07:45			07:45	4 - 6 Peak Hour	16:45	16:45			16:45
7 - 9 Pk Volume	48	101	0	0	145	Volume	114	122	0	0	236
Pk Hr Factor	0.800	0.842	0.000	0.000	0.884	Pk Hr Factor	0.838	0.744	0.000	0.000	0.787

VOLUME

Wildlife Rd between Zumirez Dr & Fernhill Dr

Day: Tuesday
Date: 3/18/2014

City: Malibu
Project #: CA14_5141_037

DAILY TOTALS					NB	SB	EB	WB	Total			
					0	0	1,591	1,299	2,890			
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00			0	5	5	12:00			22	22	44	
00:15			2	4	6	12:15			38	23	61	
00:30			2	0	2	12:30			17	18	35	
00:45			0	4	2	12:45			28	105	20	83
01:00			0	0	0	13:00			31	24	55	
01:15			0	1	1	13:15			27	20	47	
01:30			0	0	0	13:30			18	31	49	
01:45			1	1	0	13:45			27	103	25	100
02:00			0	0	0	14:00			36	17	53	
02:15			0	0	0	14:15			31	22	53	
02:30			0	0	0	14:30			35	39	74	
02:45			0	0	0	14:45			58	160	31	109
03:00			0	0	0	15:00			51	22	73	
03:15			0	0	0	15:15			42	34	76	
03:30			0	0	0	15:30			56	17	73	
03:45			1	1	0	15:45			45	194	23	96
04:00			1	0	1	16:00			36	23	59	
04:15			0	0	0	16:15			29	31	60	
04:30			3	0	3	16:30			39	17	56	
04:45			0	4	0	16:45			25	129	22	93
05:00			4	1	5	17:00			28	23	51	
05:15			3	2	5	17:15			21	16	37	
05:30			2	3	5	17:30			22	31	53	
05:45			5	14	1	17:45			23	94	13	83
06:00			9	0	9	18:00			20	17	37	
06:15			14	3	17	18:15			20	19	39	
06:30			5	12	17	18:30			26	16	42	
06:45			16	44	23	18:45			21	87	17	69
07:00			23	22	45	19:00			9	12	21	
07:15			13	21	34	19:15			11	17	28	
07:30			28	14	42	19:30			15	10	25	
07:45			15	79	29	19:45			14	49	14	53
08:00			33	39	72	20:00			7	10	17	
08:15			34	22	56	20:15			12	10	22	
08:30			28	20	48	20:30			6	7	13	
08:45			34	129	26	20:45			2	27	12	39
09:00			32	25	57	21:00			6	10	16	
09:15			37	21	58	21:15			3	9	12	
09:30			26	19	45	21:30			3	14	17	
09:45			28	123	23	21:45			8	20	8	41
10:00			25	20	45	22:00			3	11	14	
10:15			30	24	54	22:15			3	3	6	
10:30			23	11	34	22:30			3	3	6	
10:45			24	102	27	22:45			1	10	10	27
11:00			21	16	37	23:00			0	2	2	
11:15			33	20	53	23:15			0	0	0	
11:30			25	24	49	23:30			1	4	5	
11:45			31	110	18	23:45			1	2	2	8
TOTALS			611	498	1109	TOTALS			980	801	1781	
SPLIT %			55.1%	44.9%	38.4%	SPLIT %			55.0%	45.0%	61.6%	

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	1,591	1,299	2,890

AM Peak Hour			08:30	07:45	08:00	PM Peak Hour			14:45	14:30	14:30
AM Pk Volume			131	110	236	PM Pk Volume			207	126	312
Pk Hr Factor			0.885	0.705	0.819	Pk Hr Factor			0.892	0.808	0.876
7 - 9 Volume	0	0	208	193	401	4 - 6 Volume	0	0	223	176	399
7 - 9 Peak Hour			08:00	07:45	08:00	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	129	110	236	4 - 6 Pk Volume	0	0	129	93	222
Pk Hr Factor	0.000	0.000	0.949	0.705	0.819	Pk Hr Factor	0.000	0.000	0.827	0.750	0.925

DAILY TOTALS										NB		SB		EB		WB		Total	
										101		98		0		0		199	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	SPLIT %	DAILY TOTALS		NB		WB		Total
										101		98		0		0		199	
00:00	0	0	0	0	0	12:00	3	4	0	0	7		DAILY TOTALS		NB		WB		Total
00:15	0	0	0	0	0	12:15	1	0	0	1	1		101		98		0		199
00:30	0	0	0	0	0	12:30	3	3	0	0	6		0		0		0		
00:45	0	0	0	0	0	12:45	4	11	1	8	5		0		0		0		
01:00	0	0	0	0	0	13:00	6	5	5	11	11		0		0		0		
01:15	0	0	0	0	0	13:15	3	1	1	4	4		0		0		0		
01:30	0	0	0	0	0	13:30	0	3	3	3	3		0		0		0		
01:45	0	0	0	0	0	13:45	1	10	2	11	3		0		0		0		
02:00	0	0	0	0	0	14:00	1	0	0	1	1		0		0		0		
02:15	0	0	0	0	0	14:15	1	1	1	2	2		0		0		0		
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03:00	0	0	0	0	0	15:00	2	3	3	5	5		0		0		0		
03:15	0	0	0	0	0	15:15	1	1	2	3	4		0		0		0		
03:30	0	0	0	0	0	15:30	1	2	2	3	3		0		0		0		
03:45	0	0	0	0	0	15:45	4	8	1	9	5		0		0		0		
04:00	0	0	0	0	0	16:00	3	1	1	4	4		0		0		0		
04:15	0	0	0	0	0	16:15	1	0	0	1	1		0		0		0		
04:30	1	0	0	0	1	16:30	1	1	4	5	5		0		0		0		
04:45	0	1	0	0	1	16:45	5	10	2	7	7		0		0		0		
05:00	0	0	0	0	0	17:00	3	1	1	4	4		0		0		0		
05:15	0	0	0	0	0	17:15	1	0	0	1	1		0		0		0		
05:30	0	0	0	0	0	17:30	0	1	1	1	1		0		0		0		
05:45	0	0	0	0	0	17:45	0	4	1	3	1		0		0		0		
06:00	0	0	0	0	0	18:00	1	1	1	2	2		0		0		0		
06:15	0	0	0	0	0	18:15	0	2	2	2	2		0		0		0		
06:30	0	1	1	1	3	18:30	1	2	2	3	3		0		0		0		
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08:30	2	3	3	5	5	20:30	0	0	0	0	0		0		0		0		
08:45	4	8	4	15	23	20:45	0	1	0	1	2		0		0		0		
09:00	2	2	2	4	4	21:00	0	0	0	0	0		0		0		0		
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09:45	1	6	1	7	13	21:45	0	3	0	2	5		0		0		0		
10:00	4	3	3	7	13	22:00	0	0	0	0	0		0		0		0		
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10:30	2	2	2	4	4	22:30	0	0	0	0	0		0		0		0		
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11:15	1	2	2	3	3	23:15	0	0	0	0	0		0		0		0		
11:30	0	0	0	0	0	23:30	0	0	0	0	0		0		0		0		
11:45	5	7	4	6	13	23:45	0	0	0	0	0		0		0		0		
TOTALS	37	46	46	83	41.7%	TOTALS	64	52	44.8%	SPLIT %	58.3%		DAILY TOTALS		NB		WB		Total
										101		98		0		0		199	

AM Peak Hour	11:45	07:45	08:00	PM Peak Hour	12:30	13:00	12:30	13:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00
AM Pk Volume	12	15	23	PM Pk Volume	16	11	10	7	10	7	10	7	10	7	10
Pk Hr Factor	0.600	0.750	0.719	Pk Hr Factor	0.667	0.550	0.500	0.438	0.500	0.438	0.500	0.438	0.500	0.438	0.500
7 - 9 Volume	13	20	33	4 - 6 Volume	14	10	10	7	10	7	10	7	10	7	10
7 - 9 Peak Hour	08:00	07:45	08:00	4 - 6 Peak Hour	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00
7 - 9 Pk Volume	8	15	23	V1 - V11 Pk Volume	10	7	10	7	10	7	10	7	10	7	10
Pk Hr Factor	0.500	0.750	0.719	Pk Hr Factor	0.500	0.438	0.500	0.438	0.500	0.438	0.500	0.438	0.500	0.438	0.500

Ranbla Pacifico St btwn PCH & 1000' N/o PCH

Day: Tuesday
 Date: 6/24/2014

City: Malibu
 Project #: CA14_5422_001

DAILY TOTALS												Total						
												NB	SB	EB		WB		TOTAL
												254	254	0		0		508
AM/Period	NB	SB	EB	WB	TOTAL	PM/Period	NB	SB	EB	WB	TOTAL							
00:00	0	0	0	0	0	12:00	3	4	4	7	7							
00:15	0	0	0	0	0	12:15	3	3	3	6	6							
00:30	0	0	0	0	0	12:30	4	2	2	6	6							
00:45	0	0	0	0	0	12:45	6	16	3	12	9	28						
01:00	0	0	0	0	0	13:00	5	3	3	8	8							
01:15	1	0	0	0	1	13:15	4	2	4	6	6							
01:30	0	0	0	0	0	13:30	3	3	4	7	7							
01:45	0	1	0	0	1	13:45	2	14	3	12	5	26						
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03:00	0	0	0	0	0	15:00	6	7	7	13	13							
03:15	0	1	1	1	3	15:15	5	6	6	11	11							
03:30	0	1	1	1	3	15:30	5	4	4	9	9							
03:45	1	1	3	2	4	15:45	3	19	4	21	7	40						
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04:15	0	0	0	0	0	16:15	3	4	4	7	7							
04:30	0	0	0	0	0	16:30	1	6	6	7	7							
04:45	0	0	0	0	0	16:45	4	12	6	20	10	32						
05:00	0	0	0	0	0	17:00	4	4	4	8	8							
05:15	0	0	0	0	0	17:15	3	3	3	6	6							
05:30	0	1	1	1	3	17:30	6	9	9	15	15							
05:45	0	0	1	0	1	17:45	1	14	2	18	3	32						
06:00	2	0	0	2	2	18:00	9	8	8	17	17							
06:15	2	0	0	2	2	18:15	5	5	5	10	10							
06:30	1	0	0	1	1	18:30	7	2	2	9	9							
06:45	3	8	2	2	10	18:45	2	23	4	19	6	42						
07:00	4	1	1	5	5	19:00	4	2	2	6	6							
07:15	2	3	3	5	5	19:15	2	4	4	6	6							
07:30	5	1	1	6	6	19:30	3	5	5	8	8							
07:45	3	14	2	7	21	19:45	3	12	5	16	3	28						
08:00	4	4	4	8	8	20:00	0	3	3	3	3							
08:15	9	4	3	12	12	20:15	0	3	3	3	3							
08:30	4	4	3	7	7	20:30	1	4	4	5	5							
08:45	6	23	2	8	35	20:45	1	2	4	14	5	16						
09:00	9	6	6	15	15	21:00	1	3	3	4	4							
09:15	2	2	2	4	4	21:15	1	3	3	4	4							
09:30	5	8	8	13	13	21:30	2	2	5	7	7							
09:45	5	21	8	24	45	21:45	2	6	2	13	4	19						
10:00	4	4	4	8	8	22:00	0	1	1	1	1							
10:15	2	6	6	8	8	22:15	1	0	0	1	1							
10:30	7	5	5	12	12	22:30	0	3	3	3	3							
10:45	8	21	4	19	40	22:45	1	2	2	6	3	8						
11:00	6	2	2	8	8	23:00	0	1	1	1	1							
11:15	7	5	5	12	12	23:15	1	1	1	2	2							
11:30	8	4	4	12	12	23:30	0	0	1	1	1							
11:45	9	30	4	15	45	23:45	2	3	0	3	2	6						
TOTALS	119	83	41.1%	202	39.8%	TOTALS	135	171	55.9%	306	60.2%							
DAILY TOTALS												NB	SB	EB		WB		Total
												254	254	0		0		508

DAILY TOTALS												Total						
												NB	SB	EB		WB		TOTAL
												254	254	0		0		508
AM/Period	NB	SB	EB	WB	TOTAL	PM/Period	NB	SB	EB	WB	TOTAL							
AM Peak Hour	11:00	09:30	09:00	18:00	17:30	17:30						17:30						
AM Pk Volume	30	26	45	23	24	45						45						
PK Hr Factor	0.833	0.813	0.750	0.539	0.667	0.662						0.662						
7 - 9 Volume	37	19	0	0	56	4 - 6 Volume	26	38	0	0	64	64						
7 - 9 Peak Hour	08:00	07:45	08:00	16:45	16:45	16:45	17	22	0	0	39	39						
7 - 9 Pk Volume	23	12	0	0	35	4 - 6 Peak Hour	17	22	0	0	39	39						
PK Hr Factor	0.639	0.750	0.000	0.000	0.729	PK Hr Factor	0.708	0.611	0.000	0.000	0.650	0.650						

MEMORANDUM

To: Arthur Aladjajian, Public Works Superintendent
City of Malibu

From: Sri Chakravarthy, P.E., T.E.,
Kimley-Horn and Associates, Inc.

Date: April 25, 2016

Subject: Malibu Citywide Speed Survey Report – Option 2: Residential Density

In 2014-2015, a draft Engineering and Traffic Survey (E&TS) was prepared by Kimley-Horn and Associates, Inc. to update/establish posted speed limits on various street segments within the City of Malibu in accordance with the requirements set forth by the California Vehicle Code (CVC) and the procedures outlined in the California Manual of Uniform Traffic Control Devices (CAMUTCD). The report included an evaluation of existing conditions for 41 road segments and provided recommendations on any changes on posted speed limits that may be addressed. The analysis also included a few residential street segments, where a prima facie speed limit of 25 mph is allowed as per CVC Section 22352 as defined below:

“A ‘residence district’ is that portion of a highway and the property contiguous thereto, other than a business district, (a) upon one side of which highway, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses or business structures, or (b) upon both sides of which highway, collectively, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures. A residence district may be longer than one-quarter of a mile if the above ratio of separate dwelling houses or business structures to the length of the highway exists.”¹

This memorandum documents the street segments that can be considered within the definition of a “residence district” as defined above, so that a prima facie speed limit of 25 mph can be established for these locations. Table 1 on the next page presents a summary of the data analysis from the draft E&TS and highlights the residential street segments that can be considered for a 25 mph prima facie speed limit. The grey shade indicates that the segment meets the residence district criteria.

¹ California Department of Motor Vehicles, California Vehicle Code, Division 1, Section 515, 2011.

Table 1: Speed Survey Recommendations (Modified from Draft Report)

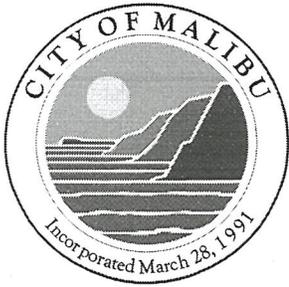
Location Number	Location Name	Limit (From)	Limit (To)	Existing Speed Limit (mph)	85th Percentile Speed (mph)	Recommended Speed Limit (mph)	Justification
1	Big Rock Dr	Cool Oak Way	PCH	30	32	25	Restricted sight distance from horizontal and vertical road curvature
2	Birdview Ave	Westward Beach	Cliffside Dr	25	-	25	Fronting residential; Prima Facie speed limit
3	Boniface Dr	Portshead Rd	Fernhill Dr	25	-	25	Fronting residential; Prima Facie speed limit
4	Portshead Rd	PCH	Boniface Dr	25	-	25	Fronting residential; Prima Facie speed limit
5	Broad Beach Rd	PCH	PCH	25	-	25	Fronting residential; Prima Facie speed limit
6	Busch Dr	Calpine Dr	Merritt Dr	30	36	30	Restricted sight distance from horizontal road curvature
7	Busch Dr	Merritt Dr	PCH	30	32	25	High collision rate and restricted sight distance from vertical and horizontal road curvature
8	Carbon Canyon Rd	Carbon Mesa	PCH	30	32	25	Restricted sight distance from vertical and horizontal road curvature
9	Carbon Mesa	End	Carbon Canyon Rd	25	31	25	Restricted sight distance from vertical road curvature
10	Civic Center Way	Malibu Canyon Rd	Webb Way	40	46	40	Restricted sight distance from horizontal road curvature, residential density and no sidewalks
11	Civic Center Way	Webb Way	Cross Creek Rd	25	31	25	High pedestrian activity
12	Cliffside Dr	Birdview Ave	Fernhill Dr	30	-	25	Fronting residential; Prima Facie speed limit
13	Corral Canyon Rd	City Limit	PCH	30	36	30	Restricted sight distance from vertical and horizontal road curvature
14	Cross Creek Rd	Civic Center Way	PCH	25	22	25	85th percentile speed
15	Dume Dr	Heathercliff Rd	Cliffside Dr	30	36	30	Restricted sight distance from vertical and horizontal road curvature
16	Encinal Canyon Rd	North City Limit	PCH	45	49	45	Restricted sight distance from vertical and horizontal road curvature
17	Fernhill Dr	Grayfox Street	Cliffside Dr	25	-	25	Fronting residential; Prima Facie speed limit
18	Fernhill Dr	Wildlife Rd	Grayfox Street	25	28	25	Restricted sight distance from vertical road curvature

Location Number	Location Name	Limit (From)	Limit (To)	Existing Speed Limit (mph)	85th Percentile Speed (mph)	Recommended Speed Limit (mph)	Justification
19	Guernsey Ave	Morning View Dr	PCH	30	33	30	Restricted sight distance from vertical and horizontal road curvature
20	Heathercliff Rd	PCH	Wandermere Rd	25	-	25	Fronting residential; Prima Facie speed limit
21	John Tyler Dr	Pepperdine University Entrance	PCH	NP	25	25	85th percentile speed
22	Kanan Dume Rd	North City Limit	PCH	50	49	50	85th percentile speed
23	Las Flores Canyon Rd	North City Limit	PCH	25	32	25	High collision rate and restricted sight distance from vertical and horizontal road curvature
24	Latigo Canyon Rd	North City Limit	PCH	30	37	30	Restricted sight distance from vertical and horizontal road curvature
25	Malibu Canyon Rd	North City Limit	Civic Center Way	45	50	45	Restricted sight distance from vertical and horizontal road curvature
26	Malibu Canyon Rd	Civic Center Way	PCH	45	48	45	Restricted sight distance from vertical and horizontal road curvature
27	Malibu Country Dr	John Tyler Dr (Priv.)	John Tyler Dr	NP	-	25	Fronting Residential; Prima Facie Speed Limit
28	Malibu Rd	PCH	West of Webb Way	25	-	25	Fronting residential; Prima Facie speed limit
29	Malibu Rd	East of Webb Way	PCH	25	-	25	Fronting residential; Prima Facie speed limit
30	Merritt Dr	Morning View Dr	Busch Dr	30	35	30	Restricted sight distance from vertical and horizontal road curvature
31	Morning View Dr	Guernsey Ave	Via Cabrillo	30	35	30	Restricted sight distance from vertical and horizontal road curvature
32	Morning View Dr	Via Cabrillo	PCH	30	29	30	85th percentile speed
33	Phillip Ave	Morning View Dr	Cuthbert Rd	NP	37	30	Restricted sight distance from vertical and horizontal road curvature
34	Rambla Vista	PCH	PCH	25	-	25	Fronting residential; Prima Facie speed limit
35	Trancas Canyon Rd	North City Limit	PCH	30	37	30	Restricted sight distance from vertical and horizontal road curvature
36	Westward Beach Rd	PCH	Birdview Ave	30	28	30	85th percentile speed

Location Number	Location Name	Limit (From)	Limit (To)	Existing Speed Limit (mph)	85th Percentile Speed (mph)	Recommended Speed Limit (mph)	Justification
37	Wildlife Rd	Zumirez Dr	End	30	-	25	Fronting residential; Prima Facie speed limit
38	Puerco Canyon Rd	PCH	1000' North of PCH	NP	31	25	Restricted sight distance from vertical and horizontal road curvature
39	Zumirez Dr	PCH	End	NP	-	25	Fronting Residential; Prima Facie Speed Limit
40	Rambla Pacifico	PCH	750' North of PCH	25	31	25	Restricted sight distance from vertical and horizontal road curvature
41*	Blucwater Rd	Birdview Ave	Dume Dr	30	-	25	Fronting residential; Prima Facie speed limit

Prima Facie Speed Limit for Residential Streets

Kimley»»Horn



Council Agenda Report

To: Mayor Rosenthal and the Honorable Members of the City Council

Prepared by: Jennifer Voccola Brown, Senior Environmental Programs Coordinator *JVB*

Reviewed by: Craig George, Environmental Sustainability Director *CG*

Approved by: Reva Feldman, City Manager *RF*

Date prepared: June 8, 2016 Meeting date: June 27, 2016

Subject: Amendments to Agreements with Solid Waste Solutions, Inc. and SCS Engineers to Provide Solid Waste Consulting Services

RECOMMENDED ACTION: 1) Authorize the City Manager to execute Amendment No. 1 to Agreement with Solid Waste Solutions, Inc. to provide primary solid waste consulting services and to allow for a two-year extension of the existing agreement through June 30, 2018; and 2) Authorize the City Manager to execute Amendment No. 1 to Agreement with SCS Engineers as a secondary consultant and to allow for a two-year extension of the existing agreement through June 30, 2018.

FISCAL IMPACT: Funding is included in the Adopted Budget for Fiscal Year 2016-2017 in Account No. 207-3004-5100 (Solid Waste). The combined contract expenditures shall not exceed \$50,000 per year.

DISCUSSION: These consulting firms provide specialized services to the Environmental Sustainability Department including implementing current solid waste procedures and policies, developing solid waste programs, preparing franchise agreements and hauler permits, tracking fees associated with hauler permits, researching grants and funding, conducting inspections, researching and advising on existing and upcoming legislature and regulations as they relate to resource conservation issues, and assisting the City to meet regulatory requirements. On August 12, 2013, the City entered into agreements with Solid Waste Solutions, Inc. and SCS Engineers for such consulting services.

Solid Waste Solutions, Inc. continues to consistently provide excellent specialized consulting services to the City. The secondary consultant, SCS Engineers, will serve as

a backup contractor available to provide services for overflow work and special projects, should the primary contract consultant be delegated other priorities by the City.

Staff requests extending both agreements for an additional two years.

ATTACHMENTS:

1. Amendment No. 1 to Agreement with Solid Waste Solutions
2. Amendment No. 1 to Agreement with SCS Engineers

AMENDMENT NO. 1 TO AGREEMENT

THIS AMENDMENT NO. 1 TO AGREEMENT is made and entered in the City of Malibu on this 13th day of June 2016, by and between the CITY OF MALIBU, herein after referred to as City, and Solid Waste Solutions, Inc., hereinafter referred to as Consultant.

The City and the Consultant agree as follows:

RECITALS

A. On July 1, 2013, the City entered into an Agreement with Consultant for Solid Waste Consulting Services (the "Agreement").

B. The City desires to amend the Agreement to extend the Term of the Agreement, such that the contract will now expire on June 30, 2018.

NOW THEREFORE, in consideration of their mutual promises, obligations and covenants hereinafter contained, the parties hereto agree as follows:

1. Section 2.0 - Term of Agreement, is hereby amended to provide that the Agreement will remain in effect until June 30, 2018, unless otherwise terminated or extended as provided in the Agreement.
2. Section 4.0 - Fee Schedule / Standard Billing Rates (Exhibit B) is hereby amended; the cost of services shall not exceed \$50,000 per year.
3. All terms and conditions of the Agreement not amended by this Amendment No. 1 remain in full force and effect.

This Agreement is executed on this 13th day of June 2016, at Malibu, California, and effective as of July 1, 2016.

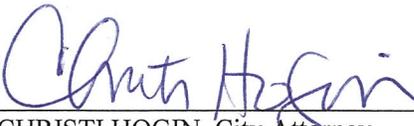
CITY OF MALIBU:

REVA FELDMAN, City Manager

ATTEST:

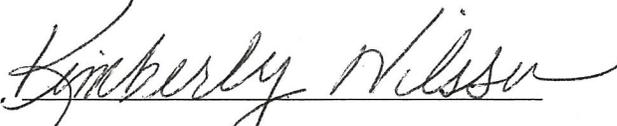
LISA POPE, City Clerk
(seal)

APPROVED AS TO FORM:



CHRISTI HOGIN, City Attorney

CONSULTANT:



By: KIMBERLY NILSSON
Title: President



Standard SWS Inc. Billing Rates January 2016

Professional Staff	Hourly Rate
Intern:	\$26.00/hour
Clerical / Office Assistant	\$55.00/hour
Recycling Coordinator & Permit Processor:	\$73.00/hour
Project Coordinator:	\$90.00/hour
Project Management:	\$114.00/hour
Computer Programming / Database Management:	\$148.00/hour
Principal:	\$170.00/hour
Travel:	Actual Costs
2016 IRS Mileage Reimbursement:	\$0.54/mile

Note: All hourly rates are effective for 12 months after the date of proposal or contract execution, at which time they can be raised due to cost of living increases and inflation.

AMENDMENT NO. 1 TO AGREEMENT

THIS AMENDMENT NO. 1 TO AGREEMENT is made and entered in the City of Malibu on this 13th day of June 2016, by and between the CITY OF MALIBU, herein after referred to as City, and SCS Engineers, hereinafter referred to as Consultant.

The City and the Consultant agree as follows:

RECITALS

A. On July 1, 2013, the City entered into an Agreement with Consultant for Solid Waste Consulting Services (the "Agreement").

B. The City desires to amend the Agreement to extend the Term of the Agreement, such that the contract will now expire on June 30, 2018.

NOW THEREFORE, in consideration of their mutual promises, obligations and covenants hereinafter contained, the parties hereto agree as follows:

- 1. Section 2.0 - Term of Agreement, is hereby amended to provide that the Agreement will remain in effect until June 30, 2018, unless otherwise terminated or extended as provided in the Agreement.
- 2. All terms and conditions of the Agreement not amended by this Amendment No. 1 remain in full force and effect.

This Agreement is executed on this 13th day of June 2016, at Malibu, California, and effective as of July 1, 2016.

CITY OF MALIBU:

REVA FELDMAN, City Manager

ATTEST:

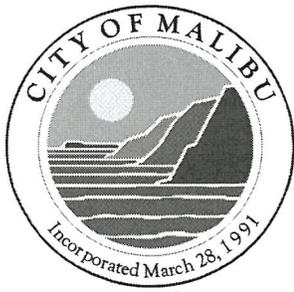
LISA POPE, City Clerk
(seal)

APPROVED AS TO FORM:

Christi Hogin
CHRISTI HOGIN, City Attorney

CONSULTANT:

Michelle Leonard, Vice President
By: MICHELLE LEONARD
Title: Vice President / Project Director



Council Agenda Report

To: Mayor Rosenthal and the Honorable Members of the City Council

Prepared by: Jennifer Voccola Brown, Senior Environmental Programs Coordinator 

Reviewed by: Craig George, Environmental Sustainability Director 

Approved by: Reva Feldman, City Manager 

Date prepared: June 8, 2016 Meeting date: June 27, 2016

Subject: Professional Services Agreement and Memorandum of Understanding to Implement the Coordinated Integrated Monitoring Program

RECOMMENDED ACTION: 1) Authorize the City Manager to execute a professional services agreement (Attachment 1) with Tetra Tech in an amount not to exceed \$1,208,258 to provide a three year program for water quality monitoring, technical assistance, and reporting in order to implement the Coordinated Integrated Monitoring Program (CIMP) for the North Santa Monica Bay Coastal Watersheds and to comply with the municipal NPDES stormwater permit (Permit); and 2) Authorize the City Manager to execute a Memorandum of Understanding (MOU) between the City of Malibu, Los Angeles County Flood Control District (District) and the County of Los Angeles (County) for the administration and cost sharing to implement the CIMP (Attachment 2).

FISCAL IMPACT: The total cost of the program over a three year period is \$1,208,258. The City will be responsible for paying \$263,612 over the three year period. The amount that will be expended in Fiscal Year (FY) 2016-2017 is \$598,574 and the City is responsible for \$130,594 during FY 2016-2017. Funding in the amount of \$130,594 has been included in the Proposed Budget for FY 2016-2017 in Account Number 101-3003-5100 (Clean Water). The City will be reimbursed for the remaining amount from the District and the County.

DISCUSSION: On November 8, 2012, the Los Angeles Regional Water Quality Control Board (RWQCB) adopted the Permit for discharges from the municipal separate storm sewer system (MS4) within Los Angeles County. The Permit became effective December 28, 2012. The Permit maintains the requirements of the 2001 permit with

several significant additions and revisions. The most significant additions were the incorporation of the numerous Total Maximum Daily Loads (TMDLs) for each watershed listed as impaired, increased program tracking, the option to develop an Enhanced Watershed Management Program (EWMP), and increased Monitoring and Reporting Program (MRP) requirements. Staff determined that in addition to the minimum requirements of the Permit, implementing the EWMP was the City's only feasible option in seeking compliance with the permit.

The purpose of the MRP is to assess chemical, physical, and biological impacts from the MS4 on receiving waters, assess compliance with receiving water limitations, characterize pollutant loads in MS4 discharges, identify sources of pollutants in MS4 discharges, and to evaluate the results to refine control measures for the reduction of pollutant loading to the receiving waters. The MRP requires receiving water monitoring, outfall monitoring, new development/redevelopment program effectiveness tracking, regional studies, and reporting of findings to RWQCB.

The Permit allows a CIMP to be developed to address the required TMDL and other MS4 monitoring elements set forth in the MRP. Due to the unique terrain and unconventional drainage system in this region, implementing a CIMP provided the best approach for the City in seeking compliance. The CIMP is effectively a complement to the EWMP and addresses the necessary monitoring requirements of the Permit. The primary benefit of a CIMP is the opportunity for the City to pool resources with partners to conduct a cost efficient and effective monitoring program on a watershed basis and assess how effective projects in the EWMP area are at protecting water quality. The City, District, and County agreed to collaborate on the implementation of the EWMP and CIMP for the coastal watersheds of North Santa Monica Bay from Arroyo Sequit through Topanga Canyon, including a portion Malibu Creek watershed within the City of Malibu's boundaries. The EWMP and CIMP were prepared under a separate agreement and MOU that were approved by City Council in 2013. Both the EWMP and CIMP have now been approved by the RWQCB.

The following elements are included in the scope of work to accomplish the objectives of the CIMP and comply with the permit:

- Project management
- Stormwater (wet weather) outfall monitoring
- Receiving water monitoring
- TMDL compliance monitoring (Bacteria and Trash TMDLs for Malibu Creek)
- Non-stormwater (dry weather) outfall monitoring & source identification
- Laboratory analysis
- Data management
- Reporting

- Fecal indicator bacteria monitoring for specified analysis areas in the EWMP

Optional items were also included in the RFP:

- Installation of monitoring stations and obtaining all necessary permits, if later determined to be necessary to ensure successful sampling
- Coordinated Shoreline Monitoring Program (CSMP) for the Santa Monica Bay Bacteria TMDL shoreline sampling
- Preparation of the Report of Waste Discharge (ROWD) (essentially the renewal application for the Permit; due to the RWQCB July 2017)

The City will continue to participate in the CSMP for fecal indicator bacteria monitoring at the shoreline compliance sites under a separate agreement with the City of Los Angeles because that has proven to be most cost effective. That sampling is included in this new agreement only as an optional task if the CSMP agreement is terminated in the future. These optional items are not included in the cost allocation, but may be considered for implementation by the participants. If the participating agencies decide any of the optional elements are necessary, they will be addressed through an amendment to this MOU, as necessary, with a request for allocation and approval from Council.

On April 26, 2016, the City issued a Request for Proposals (RFP) for monitoring services for the North Santa Monica Bay Coastal Watersheds. The City received two proposals. The proposals were reviewed and both firms were chosen to be interviewed. On June 2, 2016, interviews were conducted by a panel consisting of representatives from the District, the County, and Malibu staff.

Of the firms interviewed, Tetra Tech scored the highest. Tetra Tech has successfully completed several stormwater projects and studies for other Southern California agencies and is recognized as a leader in environmental design and innovative watershed protection approaches to assess, protect, and restore water bodies. More specifically, members of the chosen consulting team have provided consulting services to the City and the County for environmental health reviews, preparation of the Area of Special Biological Significance Compliance Plan, and a Santa Monica Bay Beaches Bacterial Indicator TMDL Compliance Study.

A cost sharing formula was negotiated for administration and contract costs, which includes a percentage of the contract cost based on land area within the watershed that the City and County each have jurisdiction over, a contract administration fee, a 5% contribution of the total cost from the District, and contingencies. The City will administer the consultant contract. The District and the County will pay the City an additional contract administration fee of 5% of each agency's total contribution towards the consultant contract for this service. Participation by other agencies that are also sources of runoff to the EWMP area, such as Caltrans and park agencies, continues to be

sought. The MOU and costs will be amended accordingly, if additional agencies later join in this effort.

Staff recommends authorizing the City Manager to execute a professional services agreement with Tetra Tech to provide the services in the RFP, and to execute a Memorandum of Understanding between the City of Malibu, Los Angeles County Flood Control District, and the County of Los Angeles for the development and cost sharing of monitoring and reporting for the North Santa Monica Bay Coastal Watersheds EWMP and CIMP.

The City will be reimbursed all costs of the agreement except for the \$130,594 portion applicable to the City of Malibu. This amount has been included in the Budget for FY 2016-2017.

STAFF FOLLOW-UP: Upon executing the agreement and the Memorandum of Understanding, staff will issue a notice to proceed to the consultant and invoice the County and the District for the first year cost share.

ATTACHMENTS:

1. Professional Services Agreement with Tetra Tech (scope of work attachments available at <http://www.malibucity.org/DocumentCenter/View/12900>)
2. Memorandum of Understanding between the City of Malibu, Los Angeles County Flood Control District, and County of Los Angeles
3. Multi-Agency Cost Breakdown for CIMP Implementation Tasks

AGREEMENT FOR PROFESSIONAL SERVICES

This Agreement is made and entered into as of June 27, 2016 by and between the City of Malibu (hereinafter referred to as the "City"), and Tetra Tech (hereinafter referred to as "Consultant").

The City and the Consultant agree as follows:

RECITALS

A. The City does not have the personnel able and/or available to perform the services required under this Agreement.

B. The City desires to contract out for consulting services for certain projects relating to implementation of the Coordinated Integrated Monitoring Program (CIMP) for the North Santa Monica Bay Coastal Watersheds and comply with the municipal national pollutant discharge elimination system stormwater permit.

C. The Consultant warrants to the City that it has the qualifications, experience and facilities to perform properly and timely the services under this Agreement.

D. The City desires to contract with the Consultant to perform the services as described in Exhibit A of this Agreement.

NOW, THEREFORE, the City and the Consultant agree as follows:

1.0 SCOPE OF THE CONSULTANT'S SERVICES. The Consultant agrees to provide the services and perform the tasks set forth in the Scope of Work, attached to and made part of this Agreement, except that, to the extent that any provision in Exhibit A conflicts with this Agreement, the provisions of this Agreement govern. The Scope of Work may be amended from time to time by way of a written directive from the City.

2.0 TERM OF AGREEMENT. This Agreement will become effective on July 1, 2016 and will remain in effect for a period of three (3) years from said date unless otherwise expressly extended and agreed to by both parties or terminated by either party as provided herein.

3.0 CITY AGENT. The City Manager, or her designee, for the purposes of this Agreement, is the agent for the City; whenever approval or authorization is required, Consultant understands that the City Manager, or her designee, has the authority to provide that approval or authorization.

4.0 COMPENSATION FOR SERVICES. The City shall pay the Consultant for its professional services rendered and costs incurred pursuant to this Agreement in accordance with the Scope of Work's fee and cost schedule (Exhibit B). The cost of services shall be for a total amount not to exceed \$1,208,258. No additional compensation shall be paid for any other expenses incurred, unless first approved by the City Manager, or her designee.

4.1 The Consultant shall submit to the City, by no later than the 10th day of each month, its bill for services itemizing the fees and costs incurred during the previous month. The City shall pay the Consultant all uncontested amounts set forth in the Consultant's bill within 30 days after it is received.

5.0 CONFLICT OF INTEREST. The Consultant represents that it presently has no interest and shall not acquire any interest, direct or indirect, in any real property located in the City which may be affected by the services to be performed by the Consultant under this Agreement. The Consultant further represents that in performance of this Agreement, no person having any such interest shall be employed by it.

5.1 The Consultant represents that no City employee or official has a material financial interest in the Consultant's business. During the term of this Agreement and/or as a result of being awarded this contract, the Consultant shall not offer, encourage or accept any financial interest in the Consultant's business by any City employee or official.

5.2 If a portion of the Consultant's services called for under this Agreement shall ultimately be paid for by reimbursement from and through an agreement with a developer of any land within the City or with a City franchisee, the Consultant warrants that it has not performed any work for such developer/franchisee within the last 12 months, and shall not negotiate, offer or accept any contract or request to perform services for that identified developer/franchisee during the term of this Agreement.

6.0 GENERAL TERMS AND CONDITIONS.

6.1 Termination. Either the City Manager or the Consultant may terminate this Agreement, without cause, by giving the other party ten (10) days written notice of such termination and the effective date thereof.

6.1.1 In the event of such termination, all finished or unfinished documents, reports, photographs, films, charts, data, studies, surveys, drawings, models, maps, or other documentation prepared by or in the possession of the Consultant under this Agreement shall be returned to the City. If the City terminates this Agreement without cause, the Consultant shall prepare and shall be entitled to receive compensation pursuant to a close-out bill for services rendered and fees incurred pursuant to this Agreement through the notice of termination. If the Consultant terminates this Agreement without cause, the Consultant shall be paid only for those services completed in a manner satisfactory to the City.

6.1.2 If the Consultant or the City fail to fulfill in a timely and proper manner its obligations under this Agreement, or if the Consultant or the City violate any of the covenants, agreements, or stipulations of this Agreement, the Consultant or the City shall have the right to terminate this Agreement by giving written notice to the other party of such termination and specifying the effective date of such termination. The Consultant shall be entitled to receive compensation in accordance with the terms of this Agreement for any work satisfactorily completed hereunder. Notwithstanding the foregoing, the Consultants shall not be relieved of liability for damage sustained by virtue of any breach of this Agreement and any payments due under this Agreement may be withheld to off-set anticipated damages.

6.2 Non-Assignability. The Consultant shall not assign or transfer any interest in this Agreement without the express prior written consent of the City.

6.3 Non-Discrimination. The Consultant shall not discriminate as to race, creed, gender, color, national origin or sexual orientation in the performance of its services and duties pursuant to this Agreement, and will comply with all applicable laws, ordinances and codes of the Federal, State, County and City governments.

6.4 Insurance. The Consultant shall submit to the City certificates indicating compliance with the following minimum insurance requirements no less than one (1) day prior to beginning of performance under this Agreement:

(a) Workers Compensation Insurance as required by law. The Consultant shall require all subcontractors similarly to provide such compensation insurance for their respective employees.

(b) Comprehensive general and automobile liability insurance protecting the Consultant in amounts not less than \$1,000,000 for personal injury to any one person, \$1,000,000 for injuries arising out of one occurrence, and \$500,000 for property damages or a combined single limit of \$1,000,000. Each such policy of insurance shall:

1) Be issued by a financially responsible insurance company or companies admitted and authorized to do business in the State of California or which is approved in writing by City.

2) Name and list as additional insured the City, its officers and employees.

3) Specify its acts as primary insurance.

4) Contain a clause substantially in the following words: "It is hereby understood and agreed that this policy shall not be canceled nor materially changed except upon thirty (30) days prior written notice to the City of such cancellation or material change."

5) Cover the operations of the Consultant pursuant to the terms of this Agreement.

6.5 Indemnification. Consultant shall indemnify, defend with counsel approved by City, and hold harmless City, its officers, officials, employees and volunteers from and against all liability, loss, damage, expense, cost (including without limitation reasonable attorneys fees, expert fees and all other costs and fees of litigation) of every nature arising out of or in connection with Consultant's performance of work hereunder or its failure to comply with any of its obligations contained in this Agreement, regardless of City's passive negligence, but excepting such loss or damage which is caused by the sole active negligence or willful misconduct of the City. Should City in its sole discretion find Consultant's legal counsel unacceptable, then Consultant shall reimburse the City its costs of defense, including without

limitation reasonable attorneys fees, expert fees and all other costs and fees of litigation. The Consultant shall promptly pay any final judgment rendered against the City (and its officers, officials, employees and volunteers) covered by this indemnity obligation. It is expressly understood and agreed that the foregoing provisions are intended to be as broad and inclusive as is permitted by the law of the State of California and will survive termination of this Agreement.

6.6 Compliance with Applicable Law. The Consultant and the City shall comply with all applicable laws, ordinances and codes of the Federal, State, County and City governments.

6.7 Independent Contractor. This Agreement is by and between the City and the Consultant and is not intended, and shall not be construed, to create the relationship of agency, servant, employee, partnership, joint venture or association, as between the City and the Consultant.

6.7.1. The Consultant shall be an independent contractor, and shall have no power to incur any debt or obligation for or on behalf of the City. Neither the City nor any of its officers or employees shall have any control over the conduct of the Consultant, or any of the Consultant's employees, except as herein set forth, and the Consultant expressly warrants not to, at any time or in any manner, represent that it, or any of its agents, servants or employees are in any manner employees of the City, it being distinctly understood that the Consultant is and shall at all times remain to the City a wholly independent contractor and the Consultant's obligations to the City are solely such as are prescribed by this Agreement.

6.8 Copyright. No reports, maps or other documents produced in whole or in part under this Agreement shall be the subject of an application for copyright by or on behalf of the Consultant.

6.9 Legal Construction.

(a) This Agreement is made and entered into in the State of California and shall in all respects be interpreted, enforced and governed under the laws of the State of California.

(b) This Agreement shall be construed without regard to the identity of the persons who drafted its various provisions. Each and every provision of this Agreement shall be construed as though each of the parties participated equally in the drafting of same, and any rule of construction that a document is to be construed against the drafting party shall not be applicable to this Agreement.

(c) The article and section, captions and headings herein have been inserted for convenience only, and shall not be considered or referred to in resolving questions of interpretation or construction.

(d) Whenever in this Agreement the context may so require, the masculine gender shall be deemed to refer to and include the feminine and neuter, and the singular shall refer to and include the plural.

6.10 Counterparts. This Agreement may be executed in counterparts and as so executed shall constitute an agreement which shall be binding upon all parties hereto.

6.11 Final Payment Acceptance Constitutes Release. The acceptance by the Consultant of the final payment made under this Agreement shall operate as and be a release of the City from all claims and liabilities for compensation to the Consultant for anything done, furnished or relating to the Consultant's work or services. Acceptance of payment shall be any negotiation of the City's check or the failure to make a written extra compensation claim within ten (10) calendar days of the receipt of that check. However, approval or payment by the City shall not constitute, nor be deemed, a release of the responsibility and liability of the Consultant, its employees, sub-consultants and agents for the accuracy and competency of the information provided and/or work performed; nor shall such approval or payment be deemed to be an assumption of such responsibility or liability by the City for any defect or error in the work prepared by the Consultant, its employees, sub-consultants and agents.

6.12 Corrections. In addition to the above indemnification obligations, the Consultant shall correct, at its expense, all errors in the work which may be disclosed during the City's review of the Consultant's report or plans. Should the Consultant fail to make such correction in a reasonably timely manner, such correction shall be made by the City, and the cost thereof shall be charged to the Consultant.

6.13 Files. All files of the Consultant pertaining to the City shall be and remain the property of the City. The Consultant will control the physical location of such files during the term of this Agreement and shall be entitled to retain copies of such files upon termination of this Agreement.

6.14 Waiver; Remedies Cumulative. Failure by a party to insist upon the performance of any of the provisions of this Agreement by the other party, irrespective of the length of time for which such failure continues, shall not constitute a waiver of such party's right to demand compliance by such other party in the future. No waiver by a party of a default or breach of the other party shall be effective or binding upon such party unless made in writing by such party, and no such waiver shall be implied from any omissions by a party to take any action with respect to such default or breach. No express written waiver of a specified default or breach shall affect any other default or breach, or cover any other period of time, other than any default or breach and/or period of time specified. All of the remedies permitted or available to a party under this Agreement, or at law or in equity, shall be cumulative and alternative, and invocation of any such right or remedy shall not constitute a waiver or election of remedies with respect to any other permitted or available right of remedy.

6.15 Mitigation of Damages. In all such situations arising out of this Agreement, the parties shall attempt to avoid and minimize the damages resulting from the conduct of the other party.

6.16 Partial Invalidity. If any provision in this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions will nevertheless continue in full force without being impaired or invalidated in any way.

6.17 Attorneys' Fees. The parties hereto acknowledge and agree that each will bear his/her or its own costs, expenses and attorneys' fees arising out of and/or connected with the negotiation, drafting and execution of the Agreement, and all matters arising out of or connected therewith except that, in the event any action is brought by any party hereto to enforce this Agreement, the prevailing party in such action shall be entitled to reasonable attorneys' fees and costs in addition to all other relief to which that party or those parties may be entitled.

6.18 Entire Agreement. This Agreement constitutes the whole agreement between the City and the Consultant, and neither party has made any representations to the other except as expressly contained herein. Neither party, in executing or performing this Agreement, is relying upon any statement or information not contained in this Agreement. Any changes or modifications to this Agreement must be made in writing appropriately executed by both the City and the Consultant.

6.19 Notices. Any notice required to be given hereunder shall be deemed to have been given by depositing said notice in the United States mail, postage prepaid, and addressed as follows:

CITY:	Jennifer Voccola Brown Senior Environmental Programs Coordinator City of Malibu 23825 Stuart Ranch Road Malibu, CA 90265-4861 TEL (310) 456-2489 x 275 FAX (310) 456-2760	CONSULTANT:	Oliver Galang Project Manager Tetra Tech 3475 East Foothill Blvd. Pasadena, CA 91107 TEL (626) 351-4664 FAX (626) 351-5291
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6.20 Warranty of Authorized Signatories. Each of the signatories hereto warrants and represents that he or she is competent and authorized to enter into this Agreement on behalf of the party for whom he or she purports to sign.

7.0 GENERAL TERMS AND CONDITIONS. (City and Consultant initials required at EITHER 7.1 or 7.2)

7.1 Disclosure Required. By their respective initials next to this paragraph, City and Consultant hereby acknowledge that Consultant is a "consultant" for the purposes of the California Political Reform Act because Consultant's duties would require him or her to make one or more of the governmental decisions set forth in Fair Political Practices Commission Regulation 18701(a)(2) or otherwise serves in a staff capacity for which disclosure would otherwise be required were Consultant employed by the City. Consultant hereby acknowledges his or her assuming-office, annual, and leaving-office financial reporting obligations under the California Political Reform Act and the City's Conflict of Interest Code and agrees to comply with those obligations at his or her expense. Prior to consultant commencing services hereunder, the City's Manager shall prepare and deliver to consultant a memorandum detailing the extent of Consultant's disclosure obligations in accordance with the City's Conflict of Interest Code.

City Initials _____
Consultant Initials _____

Agreement for Professional Services
Tetra Tech
Page 7 of 7

7.2 Disclosure not Required. By their initials next to this paragraph, City and Consultant hereby acknowledge that Consultant is not a "consultant" for the purpose of the California Political Reform Act because Consultant's duties and responsibilities are not within the scope of the definition of consultant in Fair Political Practice Commission Regulation 18701(a)(2)(A) and is otherwise not serving in staff capacity in accordance with the City's Conflict of Interest Code.

City Initials _____
Consultant Initials ARA

This Agreement is executed on _____, 2016, at Malibu, California, and effective as of July 1, 2016.

CITY OF MALIBU:

REVA FELDMAN, City Manager

ATTEST:

LISA POPE, City Clerk
(seal)

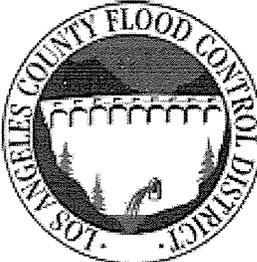
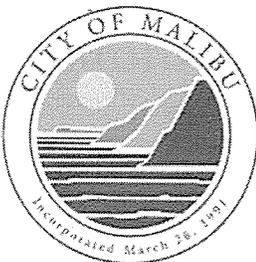
CONSULTANT:

By: ANDREW R. PARKER, Vice President

APPROVED AS TO FORM:

CHRISTI HOGIN, City Attorney

Coordinated Integrated Monitoring Program: North Santa Monica Bay Coastal Watersheds



Scope of Work

April 26, 2016

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Attachments

Attachment A.....	Coordinated Integrated Monitoring Plan
Attachment B	MCW Bacteria TMDL Coordinated Monitoring Plan
Attachment C.....	Malibu Creek Trash TMDL Trash Monitoring and Reporting Plan
Attachment D	NSW Outfall Monitoring Program- Major and Minor Outfalls
Attachment E... EWMP Figures – Analysis Regions, BMP Locations, and Watersheds/Shoreline Locations	
Attachment F.....	Standard Plans 3099 for Water Quality Monitoring Stations

Purpose

The City of Malibu, on behalf of the North Santa Monica Bay Coastal Watersheds Group (NSMB Coastal Watersheds or NSMBCW) Enhanced Watershed Management Program (EWMP), comprised of the City of Malibu, County of Los Angeles (County), and the Los Angeles County Flood Control District (FCD), is requesting the services of a consultant to implement the North Santa Monica Bay Coastal Watersheds Coordinated Integrated Monitoring Program (CIMP) to meet the monitoring, assessment, and reporting requirements of Order R4-2012-0175 (Los Angeles County MS4 Permit) including its associated attachments.

Background

The Los Angeles County MS4 Permit was adopted by the Los Angeles Regional Water Quality Control Board (Regional Board) on November 8, 2012 and became effective December 28, 2012. The Los Angeles County MS4 Permit, Attachment E, Part II.A.1, includes requirements for a Monitoring and Reporting Program (MRP).

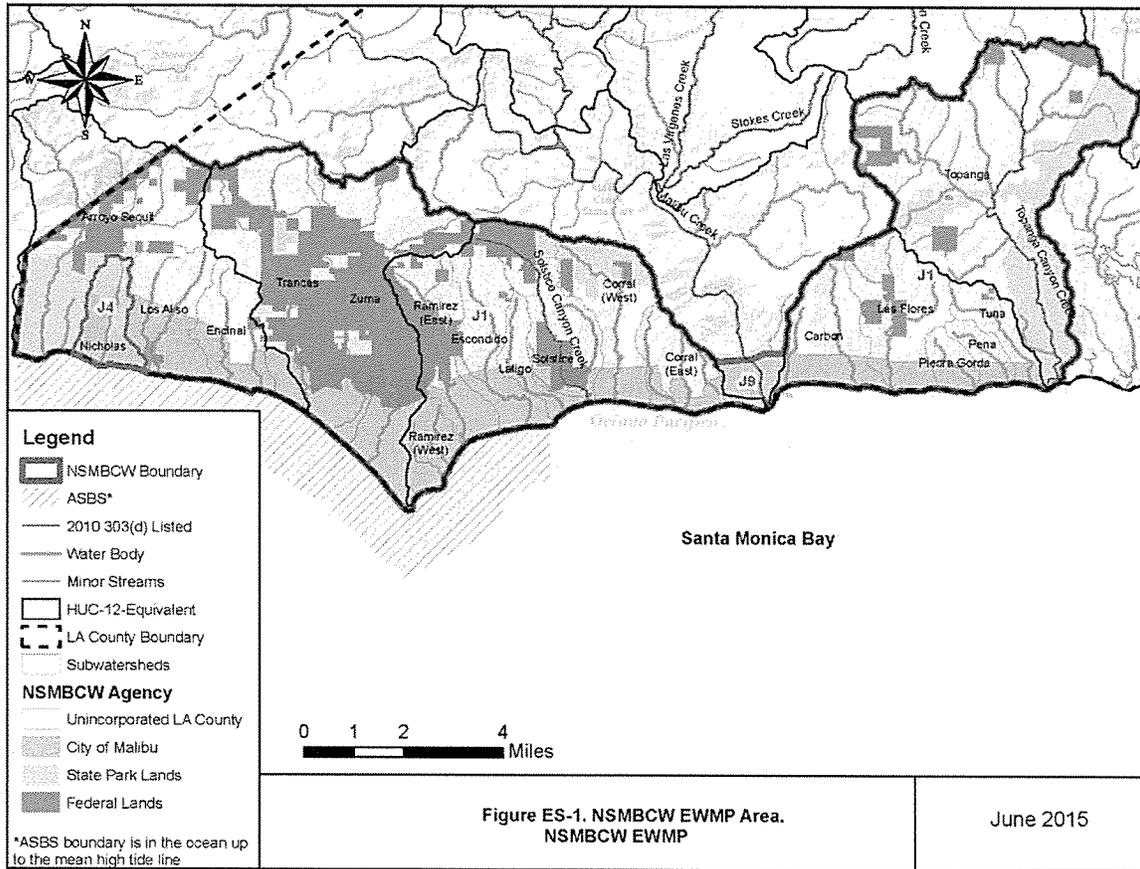
Default monitoring requirements are specified in the MRP; however, the Permittees were given the option to develop a CIMP that uses alternative approaches to meet the stated primary objectives. The major required components are:

- Non-Stormwater (NSW) Outfall Monitoring
- Stormwater (SW) Outfall Monitoring
- Receiving Water Monitoring

The NSMB EWMP Group, which consists of the participating agencies of the City of Malibu, the County of Los Angeles, and the Los Angeles County Flood Control District (LACFCD), submitted the Draft CIMP to the Los Angeles Regional Water Quality Control Board (Regional Board) on June 26, 2014. It was subsequently revised and resubmitted on July 14, 2015 and September 4, 2015 based on comments received from the Regional Board on May 15, 2015 and August 15, 2015 respectively. The Regional Board approved the CIMP as of November 13, 2015. The approved CIMP (Attachment A) is the basis for this Scope of Work (SOW). The CIMP, MRP, and any future revisions approved by the Regional Board shall be followed, and the consultant shall accommodate changes as necessary.

The geographic scope of this monitoring program includes the MS4 jurisdictional areas for the participating agencies within the coastal subwatersheds of the North Santa Monica Bay (also referred to as jurisdictional groups J1 and J4), and the portion of Malibu Creek (J9) within the City of Malibu's borders. This area is known as the NSMB EWMP area and is shown on Figure 1.

Figure 1 The Geographic Boundary of the North Santa Monica Bay Coastal Watershed



The NSMB EWMP Area encompasses 55,121 acres, including portions of six HUC-12 watersheds, 18 primary subwatersheds, and several freshwater coastal streams or gullies tributary to or that outlet at the coast of Santa Monica Bay (SMB) as defined by the Los Angeles Basin Plan. No one stream dominates this drainage area. Rather, it is composed of several small streams including Topanga Canyon Creek, Malibu Creek, and Zuma Canyon Creek.¹ Most streams are predominantly in their natural state, not engineered channels, with the exception of Caltrans culverts under the Pacific Coast Highway. Many streams are ephemeral, having only intermittent, seasonal or storm driven flows.

The EWMP Area is over 93% vacant land, with minimal EWMP Group-owned storm drains serving the undeveloped areas. Of the 7% of the watershed that is developed, a majority is not served by a traditional storm drain system, and relies primarily on sheet flow, culverts, and natural canyons to transport stormwater. This area poses unique challenges due to intermixing of natural flow, its location

¹ Los Angeles Regional Water Quality Control Board, *Water Quality Control Plan Los Angeles Region: Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties* (Regional Board, 1995, Updated 2011).

at the bottom of the watershed that receives runoff from several other agencies or land owners, and the topography of the land with steep ravines and densely vegetated riparian corridors. In addition, nonanthropogenic factors within the EWMP area including the upper watershed and shoreline are believed to contribute to water quality impairments. Such factors include the Monterey/Modelo formation as a source of sulfate, phosphate, metals, and selenium, exposed marine sedimentary rock throughout the region is relatively weaker and more susceptible to erosion as sources of sediment, and abundant wildlife and presence of kelp on beaches are sources of indicator bacteria.

Additionally, other entities that have jurisdiction over lands operate within the EWMP area or are tributary to it could contribute pollutant loads, but are not currently part of the NSMB EWMP Group. Such entities include the cities of Agoura Hills, Calabasas, Hidden Hills, Thousand Oaks, Westlake Village, County of Ventura, California Department of Parks and Recreation (State Parks), National Parks Service (National Parks), Santa Monica Mountains Conservancy (SMMC), Mountains Recreation and Conservation Authority (MRCA), California Department of Transportation (Caltrans), Las Virgenes Municipal Water District (LVMWD), and various schools, utilities, and organizations that may be subject to other monitoring programs, different types of NPDES Permits, and other regulatory permits or waivers. While these other agencies may have jurisdiction over lands in this area or are tributary to it, the NSMB CIMP program and assessment of compliance with it does not include them.

Wet weather major outfall monitoring locations were selected as representative of the runoff that could be observed from the types of land uses in that area. The monitoring data collected at the monitored major outfalls will be representative of MS4 discharges within developed lands of the EWMP area. Additionally, outfall sites are paired with receiving water sites as shown in Figure 2.

Figure 2 MS4 Outfall and Receiving Water Sample Sites

HUC-12	Receiving Water	Outfall ID	Major Outfall Latitude/ Longitude	Major Outfall Type	Receiving Water ID	RW Latitude Longitude (approx.)
Zuma Canyon	Trancas Canyon	NSMBCW-O1	34.03141 -118.84124	Round, concrete	NSMBCW-RW1	34.03069 -118.84167
Malibu Creek	Malibu Creek	NSMBCW-O2	34.03701 -118.68396	Box, concrete	NSMBCW-RW2	34.03643 -118.68379
Garapito Creek	Topanga Canyon	N/A	N/A	N/A	NSMBCW-RW3	34.06402 -118.58710

To meet MS4 Permit established deadlines for the non-stormwater screening of MS4 outfalls within the NSMB Coastal Watersheds EWMP area, the partners completed the required three rounds of non-stormwater outfall screening. No significant non-stormwater discharges were observed. As such, this request excludes the initial required round of non-stormwater outfall screening, source identification, and sampling required by the permit. However the proposal should still include a cost to conduct non-stormwater outfall monitoring including screening for significant non-stormwater discharges, and outfall source identification and water quality sampling should a significant non-stormwater discharge occur .

This area is subject to additional regulatory conditions that have been incorporated into the LA County MS4 permit. A portion of the SMB that the NSMB EWMP Area is tributary to includes an Area of Special Biological Significance (ASBS), as designated by the California Ocean Plan (SWRCB, 2012a). The ASBS stretches along the Malibu coast from Laguna Point to Latigo Point and is known as ASBS 24. The NSMBCW group agencies are also listed as responsible parties to multiple TMDLs in this area, several of which were adopted as Basin Plan Amendments years prior to the adoption of the 2012 LA MS4 Permit.

Therefore, TMDL compliance monitoring is currently conducted for bacteria and trash. Two of the existing contracts are scheduled to expire June 30, 2016. As such, compliance monitoring for sites within the Malibu Creek Watershed within the limits of the City of Malibu shown on Figure 3 are part of this request for proposals to begin monitoring as of July 1, 2016.

Figure 3 Malibu Creek TMDL Sample Sites in NSMBCW CIMP

Site ID	Reach Location	Latitude Longitude	(Downstream) Latitude Longitude	Frequency	TMDL	Description
MCW-1	Malibu Lagoon-Compliance Monitoring	34.0344 -118.68280	N/A	Weekly	Bacteria	Malibu Lagoon, below PCH bridge (LVMWD R-11)
CMS_ML_1	Malibu Lagoon-Compliance Monitoring	34.03697 -118.68404	34.03677 -118.68385	2/month & critical events	Trash	West bank of Malibu Creek, just upstream of PCH bridge, bordered by a block wall. Area 19' depth from bank x 100' length along bank.
GAS_ML_1	Malibu Lagoon-General Assessment	34.03482 -118.68366	34.03477 -118.68367	2/year	Trash	West bank of Malibu Creek, about 300 yards upstream of PCH bridge, adjacent to NSMBCW-O2, bordered by a chainlink fence. Area of 147' depth from bank x 19' length along bank.

1. Objectives

The goal of this project is to implement the monitoring and reporting program in accordance with the requirements of the approved NSMBCW CIMP and this Scope of Work in order to determine if compliance is met with the MS4 Permit. Consultants are required to design their proposals based on the CIMP, as approved by the Regional Board. Changes to methods may be incorporated into the proposal for consideration by the NSMB EWMP Group, but such substitutions are subject to approval and must provide a means to determine compliance. Regardless, if any substitutions are suggested the consultant must also include a cost proposal to complete the work as specified in the approved CIMP.

The NSMBCWMCW EWMP Group will be considered in compliance if any of the following conditions are met:

1. There are no violations of the final water quality-based effluent limitation for the specific pollutant at the MS4 outfall(s);
2. There are no exceedances of applicable receiving water limitation for the specific pollutant in the receiving water(s) at, or downstream of, the outfall(s);
3. There is no direct or indirect discharge from the MS4 to the receiving water during the time period subject to the water quality-based effluent limitation and/or receiving water limitation for the pollutant(s) associated with a specific TMDL; or
4. In drainage areas where the NSMBCW EWMP Group is implementing the NSMCW EWMP, (i) all non-storm water and (ii) all storm water runoff up to and including the volume equivalent to the 85th percentile, 24-hour event is retained for the drainage area tributary to the applicable receiving water.

2. Scope of Services

The following tasks and deliverables are provided as a guide to accomplish the objectives. In the case of a conflict between Permit requirements and approved CIMP requirements, the approved CIMP shall prevail. The firm(s) applying should have significant experience in working with Los Angeles Regional Water Quality Control Board, TMDLs, and be especially familiar with the LA MS4 Permit to provide the following services for the NSMBCW Group:

- Project management
- Stormwater Outfall Monitoring
- Receiving Water Monitoring
- TMDL Compliance Monitoring
- Non-Stormwater (NSW) Outfall Monitoring & Source Identification (if requested)
- Laboratory Analysis
- Data Management
- Reporting
- Installation of new monitoring stations and obtaining all necessary permits

3. Project Management

The Contractor shall be prepared to begin work as soon as the Notice to Proceed is issued. The professional services agreement is currently scheduled for City Council on June 13, 2016.

Within seven (7) working days of the Notice to Proceed, the Consultant team shall conduct a kick-off meeting with NSMB EWMP Group to discuss the CIMP, this Scope of Work, and any other pertinent details.

The Consultant shall also conduct a field kick-off meeting with the NSMB EWMP Group and sub-consultants to familiarize everyone with the sampling locations and team members. The Consultant shall recommend any procedural (not programmatic) improvements to the SOW tasks and changes to the sampling plan within 14 days of the field kick-off meeting.

As-needed memorandums shall be prepared with options and recommendations of the type of monitoring equipment to be installed/repaired and/or replaced.

All sample collection and field measurements shall be performed in accordance with the processes and procedures set forth in the Approved CIMP, unless otherwise approved in writing. The Consultant shall be responsible for scheduling and activation of the sampling teams² and shall notify the City of Malibu and LACFCD prior to and upon activation of the sampling team as per this SOW.

The Consultant shall submit a tentative project schedule and monthly updates in order to meet deadlines established by the Scope of Work.

All meeting agendas shall be submitted electronically to NSMB EWMP Group two (2) business days prior to the meeting date. All meeting minutes shall be submitted electronically to the City of Malibu within five (5) business days after the meeting date.

The Consultant shall secure all permits and comply with all conditions necessary for monitoring site access and installation of monitoring equipment. If private property access is required, the Consultant shall confer with the City of Malibu before contacting any private property owners.

The Consultant shall handle water quality exceedances as expeditiously as possible. Notification of exceedances shall be sent via email to the City of Malibu and the LACFCD within two business days from receipt of final laboratory results. The notification shall include the laboratory transmittal of said results (i.e. email, fax, documented phone call, hard copy mail, etc.), and tracking document of all exceedances between annual reports.

² Contact information for all pertinent City, County, and Consultant team members will be provided at the kickoff meeting.

The Consultant shall conduct a formal presentation of the semi-annual and annual reports after the submittal of each draft report and before the receipt of comments on the draft report from the NSMB EWMP Group.

Deliverables:

- 3.1 Project schedule and updated schedules as necessary.
- 3.2 Electronic copies of meeting agendas.
- 3.3 Electronic copies of meeting summaries.
- 3.4 Electronic copies of presentations.
- 3.5 Copies of access permits.
- 3.6 As needed, electronic copy of exceedance tracking document.
- 3.7 Monitoring equipment installation documentation, if equipment installation is proposed.
 - 3.7.1 Design plans for proposed monitoring equipment
 - 3.7.2 As-built plans of any monitoring equipment that is installed
 - 3.7.3 Copies of monitoring equipment installation permits

4. Stormwater Outfall Monitoring

The MS4 permit requires that the Permittees implement a stormwater outfall monitoring program during wet weather conditions. The objectives of the stormwater outfall based monitoring program include:

- Assess the quality of a Permittee's discharge relative to municipal action levels (MAL)
- Assess whether a Permittee's discharge is in compliance with applicable stormwater water quality based effluent limitations (WQBEL) derived from TMDL waste load allocations (WLA)
- Assess whether discharge from an outfall causes or contributes to an exceedance of receiving water limitations.

The Stormwater Outfall Monitoring program developed to comply with these requirements is described in Section 3 of the CIMP. The constituents and the frequencies each site shall be monitored at are listed in Section 3.1, and Tables 3-2 and 3-3 of the CIMP respectively. The Consultant shall be prepared to collect samples and analyze water quality according to that program.

Automated sampling and flow monitoring equipment was not required or specifically called out in the CIMP, but is an option for consideration if such equipment would improve the stormwater outfall monitoring program. The County's standard plans for monitoring sites are included in Attachment F for reference.

The Consultant shall collect and analyze stormwater data for three (3) wet weather events (concurrent with wet weather Receiving Water Monitoring events) including the first qualifying rain event of the wet season each monitoring year at the two stormwater outfalls designated in Table 3-1 and Appendix A of the CIMP, and Figure 2 of this scope of work. The wet season is October 1 to April 15. The wet season may be extended beyond April 15 in dry years to accommodate meeting the requirements of three (3)

storms of 0.25 inches. The Consultant is expected to be prepared for wet weather monitoring at the receiving water and outfall sites for any qualifying storm starting October 1, 2016.

The Consultant will be responsible for quality control and quality assurance of sampling procedures as required by the NSMBCW CIMP. This includes preparation of sampling sites and equipment, calibration of field meters, bottle preparation, label preparation to successfully complete all samples (including blanks and duplicates), in-situ field measurements, field observation logs, chains of custody, or other tasks as specified in the CIMP.

Sampling includes the following conditions:

1. A qualifying storm event is a rain event of at least 0.25 inch of a rainfall accumulation within 24 hours is forecast with at least a seventy 70 percent probability.
2. The first qualifying rain event of each storm year must be sampled.
3. Sampling events shall be separated by a minimum of three days of dry conditions with <0.1 inches of rain.
4. The County rain gauges specified for monitoring rainfall accumulation must be used, unless an alternate is proposed and approved. They are found in section 2.2 of the CIMP.

Because a significant storm event is based on predicted rainfall, it is recognized that this monitoring may be triggered without 0.25 inches of rainfall actually occurring. In this case, the monitoring event will still qualify as meeting this requirement provided that sufficient sample volume is collected to do all required laboratory analysis. Documentation will be provided showing the predicted rainfall amount.

The Consultant shall notify the City of Malibu and the LACFCD by email 72 hours prior to and upon activation of the sampling team. The notification shall contain, but is not limited to:

- Anticipated start time and date of the storm event, anticipated highest total amount of rain during any given 24-hour period during the storm, probability of the precipitation, and source of the weather information
- Confirmation that the laboratory has been notified to expect samples
- Any planned deviations from the established monitoring plan
- Name and cell phone number of Consultant's storm event coordinator
- Confirmation that the equipment has been tested, calibrated, and verified that is properly functioning for monitoring

The Consultant shall notify City of Malibu and the LACFCD when storm activation, deactivation, or sample delivery to the lab has been completed.

At the conclusion of monitoring event, submit a follow-up e-mail summarizing successes and/or issues with corresponding causes/justifications and recommendations.

Consultant will not be compensated for false starts. Consultant shall provide corresponding hydrographs and time of sampling event for each to help assess how representative the sample is.

The Consultant shall provide quality assurance and quality control review of the data received from the laboratory analysis.

The Consultant shall provide as-needed maintenance services (i.e. troubleshooting, repairs, etc) for the project's monitoring equipment and separate task for buying or replacing equipment or parts

Deliverables:

- 4.1 E-mail notifications with the information requested above.
- 4.2 Electronic submittal of copies of post-event sampling data and monitoring reports in the format specified in the CIMP within 30 calendar days of each event.
- 4.3 Submittal of the annual and semi-annual monitoring reports per the Reporting section of this SOW conforming to the requirements of the 2012 MS4 permit and approved CIMP. This deliverable shall also include and consider relevant monitoring data collected as part of other compliance monitoring programs and prior to commencement of the Consultant's contract.

5. Receiving Water Monitoring

MS4 receiving water monitoring must be conducted during wet and dry weather at the sampling sites in the NSMB Coastal Watersheds to characterize levels of pollutants in surface waters. The permit requires that the Permittees conduct receiving water monitoring at:

- Receiving water monitoring sites representative of the impacts from MS4 discharges
- TMDL Receiving Water Monitoring Sites based on locations designated in Regional Water Board Executive Officer approved TMDL Monitoring Plans³
- Mass Emission Stations (MES) previously designated⁴

The objectives of the receiving water monitoring are to:

- Determine whether the receiving water limitations are being achieved;
- Assess trends in pollutant concentrations over time, or during specified conditions; and
- Determine whether the designated beneficial uses are fully supported as determined by water chemistry, as well as aquatic toxicity and bioassessment monitoring.

The program developed to comply with these requirements and achieve these objectives is outlined in Section 2 of the CIMP. Specific receiving water monitoring requirements and monitoring parameters are found in the CIMP Table 2-5 and 2-6 respectively. The Consultant shall conduct all work according to that program. The wet season is October 1 to April 15. The wet season may be extended beyond April 15

³ Sites refers to those that fall within the geographic bounds of the NSMBCW EWMP area. Sampling for that task is discussed in the TMDL Compliance Monitoring section of this SOW.

⁴ The nearest Mass Emission Station is located upstream and outside of the boundaries of the NSMB EWMP group area in Malibu Creek near Malibu Canyon Road south of Piuma Road. It is currently monitored by the Los Angeles County Flood Control District as a part of the Malibu Creek Watershed CIMP. It is not a part of this Scope, but data from that program may be considered as part of preparing reports .

in dry years to accommodate meeting the requirements of three (3) storms of 0.25 inches. The Consultant is expected to be prepared for receiving water dry weather monitoring for the critical dry month, August 2016, and wet weather monitoring at the receiving water and outfall sites for any qualifying storm starting October 1, 2016.

Automated sampling and flow monitoring equipment was not required or specifically called out in the CIMP, but is an option for consideration if such equipment would improve the receiving water monitoring program.

1. A qualifying storm event is a rain event of at least 0.25 inch of a rainfall accumulation within 24 hours is forecast with at least a seventy 70 percent probability.
2. The first qualifying rain event of each storm year must be sampled.
3. Sampling events shall be separated by a minimum of three days of dry conditions with <0.1 inches of rain.
4. The County rain gauges specified for monitoring rainfall accumulation must be used, unless an alternate is proposed and approved. They are found in section 2.2 of the CIMP.

The Consultant shall collect and analyze water quality samples at the three receiving water sites as outlined in Table 2-2 of the CIMP and Figure 2 of this scope of work. This Includes but is not limited to:

- Two (2) dry- weather sampling events at 3 sites as described in Table 2-2 of the CIMP
- Three (3) wet-weather⁵ sampling events at 3 sites as described in Table 2-2 of the CIMP
- Constituents with MLs requirements during the first year of implementation at one wet weather and one dry weather event as well as required actions in later years based on year one results per Section 2.3 of the CIMP document

The Consultant shall notify the City of Malibu and LACFCD via email 72 hours prior to and upon activation of the sampling team. The notification shall contain but is not limited to:

- Anticipated start time and date of the sampling event (dry or wet weather). When it is a wet-weather event, include anticipated highest total amount of rain during any given 24-hour period during the storm, probability of the precipitation, and the source of weather information
- Confirmation that the laboratory has been notified to expect samples
- Any planned deviations from the established monitoring plan
- Name and cell phone number of Consultant's storm event coordinator
- Confirmation that the equipment has been tested, calibrated, and verified that is properly functioning for monitoring

The Consultant shall notify City of Malibu and the LACFCD, via email or telephone, when storm activation, deactivation, or sample delivery to the lab has been completed.

Consultant will not be compensated for false starts. Consultant shall provide corresponding hydrographs and time of sampling event for each to help assess how representative the sample is.

The Consultant shall provide quality assurance and quality control review of the laboratory analysis data.

The Consultant shall provide as-needed maintenance services (i.e. troubleshooting, repairs, etc) for the project's monitoring equipment and separate task for buying or replacing equipment or parts

Deliverables:

- 5.1 E-mail notifications with the information requested above
- 5.2 Electronic copies of post-event sampling data and monitoring reports in the format specified in the CIMP within 30 calendar days of each event.
- 5.3 Submittal of the annual and semi-annual monitoring reports per the Reporting section of this SOW conforming to the requirements of the 2012 MS4 permit and approved CIMP. This deliverable shall also include and consider relevant monitoring data collected as part of other compliance monitoring programs and prior to commencement of the Consultant's contract.

6. TMDL Compliance Monitoring

Routine TMDL compliance monitoring within the NSMBCW EWMP Area is conducted in accordance with the SMB Beaches TMDLs Coordinated Shoreline Monitoring Plan (SMB CSMP), City of Los Angeles and County of Los Angeles, 2004), the Malibu Creek and Lagoon Bacteria TMDL Compliance Monitoring Plan (MCW Bacterial TMDL CMP, LACDPW, 2008), the Malibu Creek Trash Monitoring and Reporting Plan (MCW TMRP, LACDPW, 2010), and the Santa Monica Bay Watershed Management Area Trash Monitoring and Reporting Plan (SMB TMRP, LACDPW, 2012).

The monitoring sites, parameters, frequencies, and reporting of existing TMDL compliance monitoring programs associated with the Malibu Creek Watershed for sites within the NSMBCW area only will continue as part of implementation of this CIMP and associated reporting. The Consultant is not required to conduct monitoring/collection, analysis, per the SMB CSMP or TMRP at monitoring locations along Santa Monica Bay that are outlined in Table 2-1 and shown on Figure 2 of the CIMP within the NSMB EWMP Group's boundary (excluding MCW-1). This work is currently being conducted under separate agreements. However, a task for conducting the SMB CSMP monitoring is an optional item for the proposal.

Data collected under these TMDL monitoring programs will be used to:

- Assess if TMDL Receiving Water Limitations are being achieved;
- Assess trends in pollutant concentrations over time, or during specified conditions; and
- Determine whether the designated beneficial uses are fully supported as determined by water chemistry

To achieve these objectives, the Consultant shall conduct TMDL compliance monitoring at the sites identified in Figure 3 of this scope of work in accordance with the work outlined and parameters identified in Section 2 and Appendix A of the of the CIMP. This includes the following tasks:⁶

The Consultant shall conduct monitoring, analysis, and reporting per the MCW Bacterial TMDL CMP (Attachment B) at monitoring locations within the NSMB EWMP Group's boundary specified in Figure 3 of this scope of work.

- Weekly sampling on Tuesday as required by the MCW Bacterial TMDL CMP for at least one (1) weekly TMDL Compliance monitoring location.
- Laboratory analysis, compilation of data, and reporting of results.

The Consultant shall conduct monitoring, data analysis, and reporting per the MCW TMRP (Attachment C) at monitoring locations within the NSMB EWMP Group's boundary specified in Figure 3

- Bimonthly (twice per month) at one compliance monitoring site adjacent to upper Malibu Lagoon
- Prior to critical events at the compliance monitoring site as detailed in the TMRP
- Twice annually at one general assessment site adjacent to the west/upcoast bank of Malibu Lagoon just north of the bridge on Pacific Coast Highway
- Routine sampling shall be conducted on Tuesdays⁷ to correspond to bacteria sampling, but shall not affect sample holding times
- Data compilation, analysis and reporting per the Malibu Creek TRMP, and in the semi-annual and annual reports

The Consultant shall notify the City of Malibu and LACFCD via email two business days prior to routine sampling events for the MCW Bacterial TMDL CMP and MC TMRP if any issues or conditions require changes or deviations from the standard protocol.

The Consultant shall notify the City of Malibu and LACFCD via email 72 hours prior to and upon activation of the sampling team for pre-critical condition (major wind and rain) monitoring events per the Malibu Creek TMRP. If prediction of a pre-critical condition happens where 72 hour advanced notice is not possible, the Consultant shall provide earliest possible notification. The notification shall contain but is not limited to:

⁶ The City and County have existing agreements and contracts for conducting TMDL sampling and analyses. Consultant shall coordinate with contacts under existing agreements/contracts until such time that contracts/agreements expire, are amended, or are terminated, in order to receive and report data in accordance with this scope. Proposal shall still include all costs for collection, analysis, and reporting.

⁷ Alternate sampling days may be approved for routine sampling if program efficiencies and economies of scale are demonstrated.

- Anticipated start time and date of the critical event conditions, characteristics of the anticipated critical conditions, and probability of the event
- Any planned deviations from the established monitoring plan
- Name and cell phone number of Consultant's pre-critical event coordinator

The Consultant shall notify City of Malibu and the LACFCD, via email or telephone, when storm activation, deactivation, or sample delivery to the lab has been completed. The Consultant shall document specifics of the event (total rainfall, wind speed, relevant National Weather Service [NWS] warnings) shall be recorded.

Although the Consultant is not conducting the sampling for TMDL monitoring programs other than specified in this section, the Consultant shall still provide compilation and assessment of the data, and reporting per this scope of work for sampling conducted at TMDL monitoring locations within the NSMB EWMP Group's boundary in order to meet the objectives stated in this SOW.

Deliverables:

- 6.1 E-mail notifications with the information requested above
- 6.2 Electronic copies of post-event sampling data and monitoring reports in the format specified in the CIMP within 30 calendar days after each event.
- 6.3 Draft monthly data summary report to the City of Malibu seven (7) calendar days after the last day of each month for review. The City, County, and FCD will review and provide comments.
- 6.4 Submit monthly monitoring reports per the MCW Bacterial TMDL CMP⁸.
- 6.5 Submit monthly monitoring summary reports to the City per the MCW TMRP.
- 6.6 Submit monthly monitoring reports per the SMB TMRP.
- 6.7 Submit the annual and semi-annual reports per the Reporting section of this SOW. This deliverable shall also include and consider relevant monitoring data collected as part of other compliance monitoring programs and prior to commencement of the consultant's contract, conforming to the requirements of the 2012 MS4 permit, MCW TMRP, MCW Bacterial TMDL CMP, SMB TMRP, and SMB CSMP.

Optional Tasks:

The Consultant is not required to conduct monitoring/collection, analysis, and reporting per the SMB CSMP at monitoring locations as outlined in Table 2-1 and shown on Figure 2 of the CIMP within the NSMB EWMP Group's boundary (excluding MCW-1). This work is already conducted by the City of Los Angeles Environmental Monitoring Division and the Los Angeles County Department of Public Health. Changes to the existing Memorandum of Understanding with the City of Los Angeles may change in the future, or the City, County, and FCD may desire additional sampling at these sites necessitating an additional service provider.

⁸ It will be determined at the kickoff meeting if these reports will be incorporated into the submittal with the Malibu Creek Watershed Bacteria Monitoring report for consistency or if it shall be a separate submittal to the Regional Board.

6.8 Consultant may prepare a separate proposal and cost for providing this service.

This work includes but is not limited to:

- Daily⁹ sampling as required by the SMB CSMP for the two (2) daily TMDL Compliance monitoring locations.
- Weekly sampling as required by the SMB CSMP for the 22 weekly TMDL Compliance monitoring locations.
- Accelerated monitoring due to any exceedances observed
- Laboratory analysis of the water quality samples
- Data management and quality assurance
- Monthly data summary reporting for the 24 TMDL Compliance monitoring locations as outlined in the reporting section of the SMB CSMP

7. Dry Weather Outfall Monitoring

Non-stormwater (NSW) Outfall Screening and Monitoring Program

The non-stormwater outfall based monitoring plan is described in Section 4 of the CIMP. The objectives of the non-stormwater outfall based monitoring program include:

- Assess compliance with applicable non-stormwater WQBELs derived from TMDL waste load allocations (WLA).
- Assess whether an observed discharge exceeds non-stormwater action levels.
- Assist in identifying illicit discharges and identify their sources where feasible.
- Assess whether a discharge causes or contributes to an exceedance of receiving water limitations.

The NSW Outfall Screening and Monitoring Program is used to identify and address NSW discharges and potential sources of pollutants to receiving waters during dry weather (non-stormwater) conditions. As described in Section 4 of the CIMP, NSW outfall monitoring involves the creation of an outfall inventory, input of that inventory into a geographic information system (GIS) database, and screening of those NSW outfalls to identify any significant discharges. When discharges are identified, additional monitoring to identify the source of discharge, eliminate it where feasible, and determine if it is a source of pollutants is required. The overall process follows. A summary list of major and minor outfalls is included as Attachment D.

Non-Stormwater Outfall Screening for Significant Discharges

Monitoring is required to identify if outfalls have significant dry-weather flows present. This has been conducted by the NSMB EWMP Group. Three screening events were conducted in 2014-2015. No significant flows were observed during these events. A Discharge Report which summarizes the

⁹Daily shall mean five (5) consecutive sample days per week. Sites include SMB MC-2 and SMB 1-18.

screening events will be provided to the selected Consultant. The NSMBCW group may consider additional screening events. Therefore, the consultant will commence with this program on an as needed basis with source investigation and sampling if significant NSW discharges are observed.

The Consultant shall prepare cost estimates for the completion of monitoring outfalls for significant discharges and be ready to complete the required task upon request as described in Section 4 of the CIMP and as outlined below .

Significant NSW Source Identification and Outfall Monitoring

When significant NSW discharges are present, monitoring to identify the source, eliminate the cause (where not exempted or feasible), observe improvements to conditions, and for reporting of results are required. If future significant NSW discharges are observed, the Consultant will conduct this work.

As previously stated, no significant flows were observed during NSW screenings. However, the Consultant shall prepare cost estimates for the completion of the task of source identification and monitoring significant discharges, and be ready to complete the required tasks as described in Section 4.3 of the CIMP and as outlined below.

The Consultant shall also review, update, and maintain the GIS database ensuring all required data from ongoing activities remain current and available to the NSMB EWMP Group.

As necessary, the Consultant shall work with the NSMB EWMP Group to identify and develop an updated prioritized list of outfalls exhibiting significant non-stormwater discharges and a source identification schedule based on Section 4 of the CIMP. The schedule shall ensure that source investigations are initiated for outfalls with newly identified significant non-stormwater discharges within 72 hours of being aware of the discharge. The Consultant shall develop and implement a plan and schedule for conducting the Significant NSW Discharge source identification based on the summary found in the CIMP Section 4.5 and the MS4 Permit.

Significant Non-Stormwater Discharge Monitoring must begin within 90 days of the completion of the source identification. Monitoring shall continue until the flow is satisfactorily resolved or is determined to be comprised of exempt sources, per Section 4.7 of the CIMP.

Monitoring frequency will be two times during the first year following source identification, distributed evenly, during dry weather conditions.

Criteria and constituents to be measured are outlined in Section 4.7.2 of the CIMP.

Sampling events are to be coordinated with the dry weather receiving water monitoring events, unless otherwise approved by the City and County.

Deliverables:

- 7.1 All necessary permits for access to conduct source identification as described in the Approved CIMP.

- 7.2 Updated GIS Database of MS4 Outfalls information and discharge data, when applicable.
- 7.3 Draft Significant NSW Discharge source identification plan and schedule prioritizing source investigations within 30 days of confirmed significant NSW discharges. Following receipt of the NSMB EWMP Group comments, the contractor will produce a final document for approval of the work group, for submission to the Regional Board.
- 7.4 The Final Significant NSW Discharge source identification plan and schedule shall be submitted 15 calendar days after receipt of comments.
- 7.5 Summary of source identification results for each outfall.
- 7.6 Post-Event sampling data and monitoring reports shall be submitted electronically in the format specified in the CIMP within 30 calendar days of each event.
- 7.7 The Consultant shall include the results of the NSW Outfall Monitoring Program in the annual and semi-annual reports submittals per the reporting Section of this SOW.

8. Special Study

The Consultant shall prepare a separate proposed approach and cost for the development and implementation of a wet and dry weather fecal indicator bacteria monitoring and source identification plan the purpose of which is assessing water quality at shoreline receiving water sites paired with representative MS4 discharges or surface runoff, and adjacent freshwater receiving waters or drainage gully, where conditions are applicable. For instance, the study must take into account unique circumstances of each analysis region in order to best characterize the quality of runoff coming from it (e.g. there is not always an MS4 structure, so characterizing the quality and volume of wet weather non-point source runoff would be needed, or some drainage gullies and canyons only flow intermittently in wet-weather and are not year-round receiving waters) and if there is an impact.

Sites chosen for monitoring shall be located in analysis regions identified for installation of BMPs in the NSMBCW EWMP, and in some instances where there is not an existing shoreline monitoring site because the analysis region is located between and far enough away from established SMB CSMP sample sites¹⁰. The proposed analysis regions are included below and shown in Attachment E to this scope. The information will be used to improve calibrations of the model used to develop the Reasonable Assurance Analysis and in adaptive management of the EWMP. The term of the study would be at a time period long enough to collect and analyze a sufficient representative number of samples to characterize water quality of discharges and coordinating receiving water (stream and shoreline) of the analysis regions. It is anticipated that wet-weather events will be the driving force of the study, since the NSW Outfall Monitoring Program did not identify any significant dry weather discharges. The minimum expected Deliverables are listed below.

The analysis regions proposed for monitoring include:

- East of Ramirez Creek at Paradise Cove (Analysis Region E1-07)
- Latigo Canyon (Analysis Region S1-09)

¹⁰ Analysis regions with the “S1” notation indicate a shoreline monitoring site exists.

- East of Corral Canyon Creek (Analysis Region E1-11)
- Sweetwater Creek at Carbon Beach (Analysis Region S1-13)
- West of Las Flores Creek (Analysis Region W1-14)
- Las Flores Creek (Analysis Region S1-14)

Deliverables:

- 8.1 Draft Monitoring Plan.
- 8.2 Monitoring Plan.
- 8.3 Data analysis, management, and submittal to the EWMP work group consistent with this SOW.
- 8.4 Presentation summarizing the data and findings at the conclusion of the study.
- 8.5 Draft study report.
- 8.6 After review and receiving comments back from the work group, the Consultant shall prepare a Final study report.

9. Laboratory Analysis

The Consultant is responsible for selecting a certified laboratory with the ability to perform water quality, sediment, and tissue analyses meeting the detection and reporting limits identified in the CIMP and MS4 Permit.

The Consultant is responsible for the collection, validation, and management of all data produced by the certified lab prior to reporting activities.

Deliverables:

- 9.1 Test laboratory certificate of qualifications to meet the approved/modified laboratory detection and reporting limits identified in the NSMBCW CIMP Appendices.
- 9.2 Completed Chain of custody forms submitted with the post-event sampling data and monitoring reports.

10. Data Management

The Consultant shall gather and integrate data for use in the semi-annual and annual reports.

The Consultant shall meet all data management and requirements as specified by the MS4 permit and the approved CIMP, including gathering and integrating other compliance monitoring and event data conducted outside of this scope.

The Consultant shall maintain copies and provide the NSMB EWMP Group with copies of all field logs and photo-documentation in accordance with the requirements of MS4 Permit and the approved CIMP. The photo-documented assessments of site conditions for upstream and downstream of all the monitoring sites shall be submitted in an approved electronic format.

Monitoring and event data shall include data from any TMDL monitoring conducted by other Consultants, storm event details, rainfall volume and intensity, and other tracked information that the Consultant will need to prepare the reports. Although the LACFCD Malibu Creek MES is outside of the

NSMBCW EWMP area, that data is useful in assessing contributions from upstream of this area to the shared receiving waters.

The Consultant shall develop and maintain a database application to store all information collected as part of this SOW. The database shall include all required information, attachments, and water quality results. The database shall allow users should be able to perform simple spatial queries on the data and create reports. Data should be managed in a way that all water quality monitoring information for all monitoring locations is accessible to NSMB EWMP Group members. Data should also be accessible for further analysis and reporting within ArcGIS. NSMB EWMP group members may require use of specific data collection and management devices and applications, and are currently exploring options including the use of Test the Water's applications for other monitoring programs. Information is at www.testthewater.org.

Deliverables:

- 10.3 Database of all information collected as part of this contract, the format of which must be approved by the NSMBCW EWMP group.
- 10.4 The consultant shall submit all laboratory results after each monitoring/sampling event in a format consistent with the most recent update of the the California Environmental Data Exchange Network (CEDEN) data format and Southern California Municipal Stormwater Monitoring Coalition's (SMC) Standardized Data Transfer Format (SDTF).¹¹ The City of Malibu will provide comments from the NSMB EWMP Group within 30 calendar days from the receipt of each data file.
- 10.5 The Consultant shall re-submit the modified data files within 15 calendar days from the receipt of comments.
- 10.6 The Consultant shall also provide a list to the NSMB EWMP Group identifying the additional information tracked or collected by the City, County, and FCD that will be needed to prepare the semi-annual and annual reports and assessments in the Reporting section of this scope. Recognizing that the first draft annual report is due October 1, 2016, the work group will provide this information within 30 days of the request where the information is readily available.

11. Reporting

The Consultant will be responsible for reporting requirements outlined in Section 7 of the CIMP and those specified in Section XVII through XIX of the Monitoring and Reporting Program (Los Angeles County MS4 Permit, Appendix E) for the monitoring and reporting period of July 1 through June 30. Primary reporting tasks include annual reports submitted by the Permittees by December 15th of each

¹¹ Templates can be found online at: www.ceden.org/ceden_datatemplates.shtml and www.sccwrp.org/Data/DataSubmission/SouthernCaliforniaRegionalDataCenter.aspx.

year. The annual reports include the data collected during monitoring activities, and assessments of compliance activities in relation to data.

The Annual Integrated Monitoring Compliance Report will summarize any exceedances of :

- Wet-weather outfall stormwater monitoring data
- Wet-weather receiving water monitoring data
- Non-Stormwater outfall monitoring data
- Dry weather receiving water data

Additionally, the MRP specifies semi-annual, electronic submittal of receiving water and outfall monitoring data. Therefore, to fulfill the reporting requirements, the monitoring year will be split accordingly:

Monitoring Data Submission Requirements

Monitoring Period	Data Submittal
July 1 through December 31	By June 15 th of the following year
January 1 through June 30	By December 15 th , included with the Annual Monitoring Report

The annual monitoring reports must include:

1. Event summaries
2. Analytical results
3. Assessment of effectiveness of control measures
4. Compliance report
5. Adaptive management strategies and proposed modifications to the CIMP
6. All relevant monitoring data collected prior to commencement of this contract

Reports shall include a summary of all identified exceedances of all applicable receiving water limitations (RWL), water quality-based effluent limitations (WQBELs), Municipal action levels (MALs). The report shall detail achievement of actions and milestones within the reporting year for the NSMBCW EWMP permittees, as well as status of and progress towards future milestones and implementation steps related to multi-year projects and efforts. Reports shall include discussion and assessment of minimum control measures, programs, and projects (implemented or completed) for their impact on the attainment of water quality standards, including consideration of external factors which may influence water quality.

Reports shall include a Municipal Action Level (MAL) Assessment Report, which presents the stormwater outfall monitoring data with a running average of 20% or greater of exceedances of the MALs. The list of MALs can be found in Attachment G of the MS4 Permit.

As an optional task, reports may include a MAL Action Plan at Year 3 to address any exceedances of MALs, in accordance to Attachment G of the MS4 Permit.

Reports should also describe any proposed or approved, changes to the monitoring program that the work group has approved.

Deliverables:

- 11.1 Draft Semi-annual Reports shall be submitted by April 1st and October 1st annually. The work group will require 30 calendar days to review and provide comments prior to finalizing the semi-annual report for submission to the Regional Board. This shall begin with October 1, 2016 draft for the January 1, 2016 through June 30, 2016 period.
- 11.2 The Consultant shall submit the Draft Annual Report by October 1 of each year. The Annual Report shall address all reporting requirements from the MRP (Attachment E of the MS4 Permit), Sections XV through XVIII. It shall also incorporate watershed and agency specific reporting requirements based on the Annual Reporting form currently being finalized by the Regional Board. The work group will require 30 calendar days to review and provide comments prior to finalizing the Annual Report. This shall begin with October 1, 2016 draft.
- 11.3 The Consultant shall incorporate comments received by the workgroup for final review, and provide a final report to be submitted by the Permittees to the Regional Board by December 15 of each year.
- 11.4 The Consultant will submit the monitoring data per the submission requirements listed above, including the annual monitoring report and the MAL Assessment Report.

Optional Tasks:

- 11.5 MAL Action Plan as part of the Annual Report.

12. Health and Safety

The proposed work shall be performed by the Consultant and any sub-contractor in accordance with the requirements of California Occupational Health & Safety (Cal-OSHA). The Consultant shall:

- Develop and provide the City of Malibu with three copies of a Health and Safety Plan (HSP) prior to the start of any field work.
- Shall comply with any other Federal Occupational Health and Safety Administration requirements, if applicable to the proposed work.
- The HSP shall address site-specific safety concerns at all sites including, but not limited to, permit required confined-space entry safety requirements, vandalism, site accessibility, lane closures, storm drain laterals, and other environmental hazards.

The HSP shall cover all practices related to the work involved, including but not limited to:

- Acceptable entry conditions
- Testing, monitoring, communications and lighting equipment

- Barriers and shields
- Ladders
- Retrieval devices

Deliverables:

12.1 Electronic copy of the Health and Safety Plan.

13. Quality Assurance Project Plan

The NSMB CIMP currently includes a QAPP. The Consultant shall update the document within 30 days of issuance of the NTP if changes to procedures are made that affect the QAPP.

The Consultant shall ensure the Quality Assurance Project Plan (QAPP) includes the following:

- Sampling locations and frequency
- Sample handling and storing procedures
- Laboratories that will be used for the monitoring program
- Analytical methods
- Data processing procedures
- Quality assurance/quality control

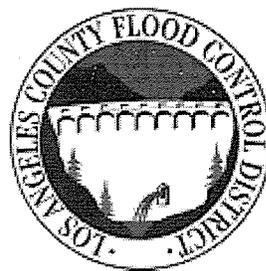
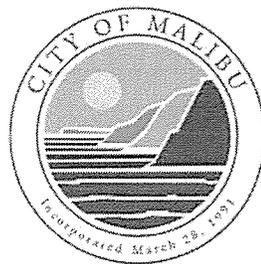
Deliverables:

13.1 The Consultant shall submit a revised QAPP within 30 days of issuance of the NTP, if changes are necessary.

COST PROPOSAL

The following page presents Tetra Tech proposed cost estimate to implement the monitoring services per the North Santa Monica Bay Coastal Watersheds Coordinated Integrated Monitoring Program.

Coordinated Integrated Monitoring Plan



Attachment A-F available online at
<http://www.malibucity.org/DocumentCenter/View/12900>

MEMORANDUM OF UNDERSTANDING

**BETWEEN THE COUNTY OF LOS ANGELES,
THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT,
AND THE CITY OF MALIBU**

**REGARDING THE ADMINISTRATION AND COST SHARING FOR IMPLEMENTING
THE COORDINATED INTEGRATED MONITORING PROGRAM (CIMP)
AND NECESSARY REPORTS FOR THE NORTH SANTA MONICA BAY COASTAL
WATERSHEDS**

This Memorandum of Understanding ("MOU"), is made and entered into as of the date of the last signature set forth below by and between the COUNTY OF LOS ANGELES ("COUNTY"), a political subdivision of the State of California, the LOS ANGELES COUNTY FLOOD CONTROL DISTRICT ("LACFCD"), a body corporate and politic, and the CITY OF MALIBU ("CITY"), a municipal corporation. Collectively, these entities shall be known herein as PARTIES or individually as PARTY.

WITNESSETH

WHEREAS, the Regional Water Quality Control Board, Los Angeles Region ("REGIONAL BOARD") adopted National Pollutant Discharge Elimination System ("NPDES") Municipal Separate Storm Sewer System Permit Order No. R4-2012-0175 ("MS4 Permit") on November 8, 2012; and

WHEREAS, the MS4 Permit became effective on December 28, 2012, and requires that the LACFCD, the COUNTY, and 84 of the 88 Cities (excluding Avalon, Long Beach, Palmdale, and Lancaster) within Los Angeles County, comply with the prescribed elements of the MS4 Permit; and

WHEREAS, the MS4 Permit identified the PARTIES as MS4 Permittees that are responsible for compliance with the MS4 Permit requirements pertaining to the Santa Monica Bay Watershed Management Area; and

WHEREAS, the North Santa Monica Bay Coastal Watersheds ("NSMBCW") group consists of the coastal watersheds within the Santa Monica Bay Beaches Bacteria ("SMBBB") TMDL known as Jurisdictional Groups 1 (J1) and 4 (J4), and the portion of Malibu Creek Watershed (SMBBB TMDL Jurisdictional Group 9 [J9]) within the City of Malibu's jurisdiction; and

WHEREAS, the PARTIES entered into an Memorandum of Understanding ("MOU") on October 15, 2013 regarding the administration and cost sharing for development of the NSMBCW Enhanced Watershed Management Program ("EWMP") and Coordinated Integrated Monitoring Program ("CIMP"); and

WHEREAS, the NSMBCW CIMP was submitted to the REGIONAL BOARD by the PARTIES on September 4, 2015, and was approved by the REGIONAL BOARD as of November 13, 2015; and

WHEREAS, the PARTIES have agreed to collaborate and hire consultants (“CONSULTANTS”) as set forth in Section 6(a), below, to implement certain requirements of the CIMP and MS4 Permit, which for purposes of this MOU, also includes the preparation of reports, special studies, and any necessary revisions to the CIMP in compliance with the MS4 Permit; and

WHEREAS, the PARTIES agree that each shall assume full and independent responsibility for ensuring its own compliance with the MS4 Permit despite the collaborative approach of the MOU; and

WHEREAS, the PARTIES have agreed to a cost sharing formula and to share costs in the implementation of certain requirements of the NSMBCW CIMP and MS4 Permit (collectively referred to herein as “PROGRAM”) as set forth in Exhibit A, which is attached and made part of this MOU; and

WHEREAS, the PARTIES have determined that hiring CONSULTANTS to implement the PROGRAM will be beneficial to the PARTIES; and

WHEREAS, the PARTIES have agreed to contribute funds to CITY, who will act as Project Administrator on their behalf to contract with CONSULTANTS to implement the PROGRAM; and

WHEREAS, the PARTIES collaboratively prepared a Scope of Work and Request for Proposals (“RFP”) to obtain CONSULTANTS to assist the PARTIES with implementing the PROGRAM, as specified in the Scope of Work and CONSULTANTS Proposal, which are incorporated into this MOU by reference; and

WHEREAS, the PARTIES have agreed to cooperatively share and fully fund the estimated costs of implementing the PROGRAM, as shown in Table 1 of Exhibit A; based on the cost allocation formula contained in Table 3 of Exhibit A of this MOU; and

WHEREAS, the PARTIES have agreed that the total cost for implementing the PROGRAM shall not exceed One Million Two Hundred Eight Thousand Two Hundred Fifty-Eight and 00/100 Dollars (\$1,208,258) for three years, which includes a five percent (5%) project administration cost paid to the CITY and a ten percent (10%) contingency for the initial three-year term; and

WHEREAS, the costs of the three optional tasks as shown in Table 5 of Exhibit A of this MOU are currently not included in the cost allocation, but will be considered for

possible implementation by all PARTIES, and addressed through an amendment to this MOU as necessary; and

WHEREAS, the CITY OF MALIBU will act on behalf of the PARTIES in the administration of the Professional Services Agreement(s) with CONSULTANTS for the implementation of the PROGRAM; and

WHEREAS, the PARTIES have agreed to have their PARTY Representatives identified in Exhibit B and their designees provide technical and project management oversight for the implementation of the PROGRAM and this AGREEMENT; and

WHEREAS, other entities subject to their own NPDES Permit and/or named as responsible agencies in a Total Maximum Daily Load (“TMDL”) may participate in applicable portions of the PROGRAM by amendment to this MOU, with the concurrence of the PARTIES;

NOW, THEREFORE, in consideration of the mutual benefits to be derived by the PARTIES, and of the promises contained in this MOU, the PARTIES agree as follows:

Section 1. Recitals. The recitals set forth above are incorporated into this MOU.

Section 2. Purpose. The purpose of this MOU is to cooperatively fund the implementation of certain requirements of the CIMP and MS4 Permit PROGRAM for the Santa Monica Bay Coastal Watersheds area, and to coordinate the payment and performance of the CONSULTANTS’ services for the Program.

Section 3. Cooperation.

- a. The PARTIES shall fully cooperate with one another to attain the purposes of this MOU.
- b. The PARTIES agree that substantiated costs incurred by the CITY OF MALIBU for implementing the PROGRAM until MOU execution shall be cost-shared by the PARTIES.

Section 4. Voluntary. This MOU is voluntarily entered into for the implementation of certain requirements of the CIMP and MS4 Permit.

Section 5. Term. This MOU shall become effective on the first date of execution by a PARTY or July 1, 2016, whichever is sooner, and shall remain in effect for three years until June 30, 2019. The term of this MOU may be extended for up to two additional years. through an amendment.

Section 6. City of Malibu’s Responsibilities. The CITY OF MALIBU agrees:

- a. Consultant Services. To facilitate the PARTIES' selection of CONSULTANTS for implementation of the PROGRAM, and to administer the professional services agreement(s) with the CONSULTANTS in accordance with the Scope of Work and Proposal, and any subsequent changes to the PROGRAM as agreed upon by the PARTIES and approved by the REGIONAL BOARD. The CITY will be compensated for the administration of the PROGRAM and professional services agreement with the CONSULTANTS at a rate of five percent (5%) of each PARTY'S cost as described in Table 1 of Exhibit A.
- b. LACFCD Facilities. To assist the CONSULTANTS in obtaining any necessary permits from LACFCD for access to and construction within LACFCD storm drains, channels, catch basins, and similar properties ("FACILITIES"), provided that the CITY or its CONSULTANTS provide written notice 72 hours in advance of entry to LACFCD's FACILITIES.
- c. Report. To facilitate submittal of reports to the REGIONAL BOARD as described in the CIMP and MS4 Permit and distribute copies of the reports to the PARTIES for review and comment prior to submittal to the REGIONAL BOARD. The CITY will provide the PARTIES with an electronic copy the draft Semi-Annual and Annual Report and completed Reports within seven (7) business days after receipt from the CONSULTANT. In addition, the CITY will submit to the PARTIES the data used to prepare the reports. This data will be transmitted electronically in a format and structure agreed to by the PARTIES.
- d. Invoice. To invoice the PARTIES in amounts not exceeding the invoice amounts shown in Table 4 of Exhibit A. The annual payments for the period of July 1 through June 30 will be invoiced in July of that year, except for the first invoice, which will be issued upon the execution of this MOU by all PARTIES or June 30, 2016, whichever comes first. At the end of each monitoring year, any unused funds will be rolled over and used towards future years of CIMP implementation.
- e. Expenditure. To utilize the funds deposited by the PARTIES only for the administration of the CONSULTANT professional services agreement and the implementation of the PROGRAM, including necessary reports. The CITY will provide an accounting of funds expended and remaining at the end of each fiscal year.
- f. Contingency. The CITY will notify the PARTIES if actual expenditures are anticipated to exceed the cost estimates contained in Table 1 of Exhibit A, and obtain written approval of such expenditures from all PARTIES. Upon approval, the PARTIES agree to reimburse the CITY for their proportional share of these additional expenditures at an amount not to exceed 10 percent of the original cost estimate as shown in Exhibit A. This 10 percent contingency will not be invoiced, unless actual expenditures will exceed the original cost estimate. Expenditures that exceed the 10 percent contingency will require an amendment to this MOU.

- g. Accounting. To provide an accounting upon termination of this MOU. At the completion of the accounting, the CITY shall return any unused portion of all funds deposited with the CITY within 180 days of said termination in accordance with the cost allocation formula set forth in Exhibit A. Subject to agreement by the CITY OF MALIBU, any funds which are to be reimbursed to a PARTY may be reimbursed through credits towards future invoices and agreements, if requested in writing by that PARTY.
- h. Permit. To make a full-faith effort to work with the CONSULTANTS to obtain all necessary permits for installation of permanent infrastructure or modifications to monitoring sites, and subsequent access during monitoring events and maintenance.
- i. Payments to Third Parties. The CITY shall have no obligation to pay the CONSULTANTS any funds other than those owed for the CITY'S proportional share as set forth in Table 3 of Exhibit A, and those funds remitted to the CITY following invoice.

Section 7. LACFCD Responsibilities. The LACFCD agrees:

- a. Access to LACFCD Facilities. To grant access to the PARTIES and their CONSULTANTS to LACFCD FACILITIES, to achieve the purposes of this MOU, provided the PARTIES and their CONSULTANTS obtain a permit and provide written notice 72 hours in advance of entry to LACFCD'S FACILITIES.
- b. LACFCD Data. To provide available data, within reason, managed by the LACFCD needed for assessment of compliance and preparation of reporting for the CIMP and MS4 Permit.

Section 8. PARTIES Responsibilities. The PARTIES further agree:

- a. Payment. To fund the cost of the implementation of the PROGRAM and to pay the CITY for their proportional shares of the estimated cost and administration of the professional services agreement(s) with the CONSULTANTS, not exceeding the invoice amounts as shown in Table 4 of Exhibit A, no later than sixty (60) days after receipt of the invoice from the CITY. The cost estimates presented in Exhibit A have been agreed upon by the PARTIES and are subject to changes in the PROGRAM pursuant to new REGIONAL BOARD requirements and/or unforeseen challenges in the field. Any such changes proposed to the PARTIES' proportional share are subject to funding appropriation and will require written agreement of the PARTIES as set forth in Section 11(e).
- b. Documentation. To make a full-faith effort to cooperate with one another to achieve the purposes of this MOU by providing all requested information and documentation in their possession and available for release to the CITY, and its

CONSULTANT, that is deemed necessary by the PARTIES to implement the PROGRAM.

- c. Implementation. To assist with the preparation of the Annual Report as directly related to the PROGRAM. Any requirements not agreed upon by the PARTIES to be implemented by CONSULTANTS are the responsibility of individual agencies.
- d. Access. Each PARTY will allow reasonable access and entry to the CITY and its CONSULTANT, on an as needed basis during the term of this MOU, to each PARTY'S FACILITIES to achieve the purposes of this MOU, provided, however, that prior to entering any of the PARTIES' FACILITIES, the CONSULTANT provide written notice 72 hours in advance of entry from the applicable PARTY.
- e. Permit. Each PARTY will make a full-faith effort to work with the PARTIES and their CONSULTANTS to obtain all necessary permits for installation of permanent infrastructure and monitoring equipment, or modifications to the monitoring sites, and subsequent access during monitoring events and maintenance, within each PARTY'S jurisdiction.
- f. Additional Participants. The PARTIES agree that if any other entity wishes to participate and cost share any element of the CIMP, an amendment to the MOU will be drafted with the concurrence of the MS4 permittees.

Section 9. Indemnification.

- a. To the maximum extent permitted by law, the CITY shall require the CONSULTANTS retained pursuant to this MOU to agree to indemnify, defend, and hold harmless each PARTY, its special districts, elected and appointed officers, employees, attorneys, agents, and designated volunteers from and against any and all liability, including but not limited to demands, claims, actions, fees, costs, and expenses (including attorney and expert fees), arising from or connected with the CONSULTANT'S performance of its agreements with the CITY OF MALIBU. In addition, the CITY shall require the CONSULTANT to carry, maintain, and keep in full force and effect an insurance policy or policies, and each PARTY, it's elected and appointed officers, employees, attorneys, agents, and designated volunteers shall be named as additional insured on the policy(ies) with respect to liabilities arising out of the CONSULTANTS' work. These requirements will also apply to any subcontractors hired by the CONSULTANTS to implement the PROGRAM.
- b. To the maximum extent permitted by law, each PARTY shall indemnify, defend, and hold harmless each other PARTY, including its special districts, elected and appointed officers, employees, agents, attorneys, and designated volunteers from and against any and all liability, including, but not limited to demands, claims, actions, fees, costs, and expenses (including reasonable attorney's and expert witness fees), arising from or connected with the respective acts of each

PARTY arising from or related to this MOU; provided, however, that no PARTY shall indemnify another PARTY for that PARTY'S own negligence or willful misconduct.

- c. In light of the provisions of Section 895.2 of the Government Code of the State of California imposing certain tort liability jointly upon public entities solely by reason of such entities being parties to an agreement (as defined in Section 895 of said Code), each of the PARTIES hereto, pursuant to the authorization contained in Section 895.4 and 895.6 of said Code, shall assume the full liability imposed upon it or any of its officers, agents, or employees, by law for injury caused by any act or omission occurring in the performance of this MOU to the same extent such liability would be imposed in the absence of Section 895.2 of said Code. To achieve the above stated purpose, each PARTY indemnifies, defends, and holds harmless each other PARTY for any liability, cost, or expense that may be imposed upon such other PARTY solely by virtue of said Section 895.2. The provisions of Section 2778 of the California Civil Code are made a part hereof as if incorporated herein.
- d. The CITY makes no guarantee or warranty that the reports prepared by the CONSULTANTS will be approved by the relevant governmental authorities. The CITY shall have no liability to the other PARTIES for the negligent or intentional acts or omissions of the CONSULTANTS. The other PARTIES' sole recourse for any negligent or intentional act or omission of the CONSULTANTS shall be against the CONSULTANTS and their insurance.

Section 10. Termination and Withdrawal

- a. Termination. This MOU may be terminated upon the express written agreement of all PARTIES. Completed work shall be owned by the PARTY or PARTIES who fund the completion of such work. Rights to uncompleted work by the CONSULTANTS still under contract will be held by the PARTY or PARTIES who fund the completion of such work.
- b. Withdrawal. If a PARTY wishes to withdraw from this MOU for any reason, that party must give the other PARTIES and the REGIONAL BOARD prior written notice thereof. The withdrawing PARTY shall be responsible for its share of the agreed upon implementation costs of the PROGRAM through the end of the current fiscal year (July 1 through June 30), including costs for reporting of data and results during the monitoring year which said PARTY withdraws. Moreover, unless the withdrawing PARTY provides written notice of withdrawal to the other PARTIES by December 15th, the withdrawing PARTY shall also be responsible for its share of the implementation costs of the PROGRAM through the end of the following monitoring year (e.g., if a PARTY withdraws on December 16, 2016, said PARTY is responsible for its share of costs for both monitoring year 2016-2017 and monitoring year 2017-2018. If the same PARTY withdraws on or before December 15, 2016, said PARTY is responsible for costs only for monitoring year

2016-2017, not for monitoring year 2017-2018). Such implementation costs of the CIMP shall include the remaining fees of any Consultant retained by the CITY through the end of the applicable monitoring year(s). The effective date of withdrawal shall be the 60th day after the CITY receives written notice of the PARTY's intent to withdraw. Should any PARTY withdraw from this MOU, the remaining PARTIES' cost share allocation shall be adjusted in accordance with the cost allocation formula in Table 3 of the Exhibit A. Each PARTY shall be responsible for its proportional share of the implementation costs of the PROGRAM incurred through the completion of all requirements of the monitoring year (e.g. completion of the annual report due December 15, 2017, covering monitoring and reporting period from July 1, 2016 to June 30, 2017). Each PARTY shall also be responsible for the payment of its own fines, penalties and costs incurred as a result of the non-performance of the PROGRAM.

- c. Delinquent Payments. A PARTY's payment shall be delinquent if the invoiced amount is not received by the CITY within 60 days of the invoice date. The following Notice of Delinquency procedures may be implemented by the CITY to attain payments from the delinquent PARTY: 1) verbally contact the representative of the PARTY; and 2) submit a formal letter to the Delinquent PARTY OR PARTIES from the CITY's legal counsel. If the PARTY or PARTIES remain delinquent after the above Notice of Delinquency procedures have been followed and after 90 days after being invoiced, then the CITY shall notify the non-delinquent PARTIES and may notify the Regional Board that the delinquent PARTY OR PARTIES are no longer a participating member of the CIMP, and said PARTY or PARTIES shall then be deemed to have terminated its participation as a PARTY to this MOU ("EXCLUDED PARTY") and their name(s) may be removed from the CIMP and all reports required as part of the CIMP. Any EXCLUDED PARTY'S delinquent amount(s) will be paid in accordance with the remaining PARTIES pro-rata share pursuant to Table 3 of Exhibit A, as adjusted to remove the EXCLUDED PARTY from the allocation. The CITY will revise Exhibit A to show the recalculated costs for each remaining participating PARTY; these revised exhibits will be included with the next invoice.
- d. Suspension of CONSULTANTS' Work. The CITY may unilaterally suspend or modify the Scope of Work being performed by any CONSULTANT retained by the CITY for implementation of the PROGRAM if any PARTY has not paid its invoice within 90 days of receipt unless the non-delinquent PARTIES pay the delinquent PARTY's costs.
- e. Remaining Funds or Invoices Due at Termination. If this MOU is mutually terminated by all PARTIES, and invoice payments are due then all PARTIES must agree on the equitable payment of invoices due at the time of termination. Funds remaining in the possession of the CITY at the end the term of this MOU, or at the termination of this Agreement, whichever occurs earlier, shall be returned to the then remaining non-delinquent and non-excluded PARTIES within 180 days of said termination in accordance with the cost allocation formula in

Table 3 of Exhibit A. Subject to agreement by the CITY, any funds which are to be reimbursed to a PARTY may be reimbursed through credits towards future invoices and agreements, if requested in writing by that PARTY.

- f. If a PARTY fails to comply with any of the terms or conditions of this MOU, then that PARTY shall forfeit its rights to work completed through this MOU, but no such forfeiture shall occur unless and until the defaulting PARTY has first been given notice of its default and a reasonable opportunity to cure the alleged default.

Section 11. General Provisions

- a. Notices. Any notices, bills, invoices, or reports relating to this MOU, and any request, demand, statement, or other communication required or permitted hereunder shall be in writing and shall be delivered to the primary representatives of the PARTIES at the addresses set forth in Exhibit B attached hereto and incorporated herein by reference. The PARTIES shall promptly notify each other of any change of contact information, including personnel changes, provided in Exhibit B within 30 days of such change. Written notice shall include notice delivered via e-mail, or other method agreed by the PARTIES. A notice shall be deemed to have been received on (a) the date of delivery, if delivered by hand during regular business hours, or by confirmed e-mail; or (b) on the third (3) business day following mailing by registered or certified mail (return receipt requested) to the addresses set forth in Exhibit B.
- b. Administration. For the purposes of this MOU, the PARTIES hereby designate as their respective PARTY representatives the persons named in Exhibit B. The designated PARTY representatives, or their respective designees, shall administer the terms and conditions of this MOU on behalf of their respective PARTY. Each of the persons signing below on behalf of a PARTY represents and warrants that he or she is authorized to sign this MOU on behalf of such PARTY.
- c. Relationship of the Parties. The PARTIES are, and shall remain at all times as to each other, wholly independent entities. No PARTY to this MOU shall have power to incur any debt, obligation, or liability on behalf of any other PARTY unless expressly provided to the contrary by this MOU. No employee, agent, or officer of a PARTY shall be deemed for any purpose whatsoever to be an agent, employee, or officer of another PARTY.
- d. Binding Effect. This MOU shall be binding upon, and shall be to the benefit of the respective successors, heirs, and assigns of each PARTY; provided, however, no PARTY may assign its respective rights or obligations under this MOU without the prior written consent of the other PARTIES.

- e. Amendment. The terms and provisions of this MOU may not be amended, modified, or waived, except by an instrument in writing signed by all non-delinquent PARTIES. For purposes of this subsection, a PARTY shall be considered a DELINQUENT PARTY if that PARTY fails to timely pay an invoice as required by Sections 9(a), or withdraws pursuant to Section 11(b).
- f. Law to Govern. This MOU is governed by, interpreted under, construed and enforced in accordance with the laws of the State of California.
- g. No Presumption in Drafting. The PARTIES to this Agreement agree that the general rule that an Agreement is to be interpreted against the PARTY drafting it, or causing it to be prepared shall not apply.
- h. Severability. If any provision of this MOU shall be determined by any court to be invalid, illegal, or unenforceable to any extent, then the remainder of this MOU shall not be affected, and this MOU shall be construed as if the invalid, illegal, or unenforceable provision had never been contained in this MOU.
- i. Entire Agreement. This MOU constitutes the entire agreement of the PARTIES with respect to the subject matter hereof.
- j. Waiver. Waiver by any PARTY to this MOU of any term, condition, or covenant of this MOU shall not constitute a waiver of any other term, condition, or covenant. Waiver by any PARTY to any breach of the provisions of this MOU shall not constitute a waiver of any other provision, nor a waiver of any subsequent breach or violation of any provision of this MOU.
- k. Counterparts. This MOU may be executed in any number of counterparts, each of which shall be an original, but all of which taken together shall constitute one and the same instrument, provided, however, that such counterparts shall have been delivered to all PARTIES to this MOU.
- l. Counsel Representation. All PARTIES have been represented by counsel in the preparation and negotiation of this MOU. Accordingly, this MOU shall be construed according to its fair language. Any ambiguities shall be resolved in a collaborative manner by the PARTIES and shall be rectified by amending this MOU as described in Section 12(e).

IN WITNESS WHEREOF, the PARTIES hereto have caused this MOU to be executed by their duly authorized representatives and affixed as of the date of signature of the PARTIES:

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//
//

COUNTY OF LOS ANGELES

By _____
Gail Farber, Director of Public Works

Date

APPROVED AS TO FORM:

Mary C. Wickham
County Counsel

By _____
Deputy

Date

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

By _____
Gail Farber, Chief Engineer

Date

APPROVED AS TO FORM:

Mary C. Wickham
County Counsel

By _____
Deputy

Date

MOU – County of LA, LAFCD, and City of Malibu
GIMP Implementation and MS4 Permit Reporting
Page 13 of 16

CITY OF MALIBU

By: _____
Reva Feldman, City Manager

Date: _____

ATTEST:

By: _____
Lisa Pope, City Clerk

Date: _____

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APPROVED AS TO FORM:

By: 
Christi Hogin, City Attorney

ATTEST:

By: _____

By: _____

By: _____

EXHIBIT A

**North Santa Monica Bay Coastal Watersheds
 CIMP Cost Tables**

The total cost shall be \$1,208,258 unless agreed upon and amended by the Parties. The professional services agreement with the Consultant, and any amendments or change orders thereto, is hereby incorporated by reference.

Cost Contributions:

The LACFCD will contribute five (5) Percent of the total project cost. The remaining balance will be distributed based on the percent of the combined land area for which each PARTY is responsible.

Table 1 Estimated Consultant Costs

Deliverables	2016-17 Estimated Cost	2017-18 Estimated Cost	2018-19 Estimated Cost	3 Years Estimated Cost
Monitoring & Reporting Cost	\$ 418,444.40	\$ 313,833.30	\$ 313,833.30	\$ 1,046,111.00
Project Administration (5%)	\$ 20,922.22	\$ 15,691.67	\$ 15,691.67	\$ 52,305.55
Annual Cost	\$ 439,366.62	\$ 329,524.97	\$ 329,524.97	\$ 1,098,416.55
Contingency (10%)				\$ 109,841.66
Total MOU Cost (3 Years)				\$ 1,208,258.21

Table 2 Cost with LACFCD Contribution¹

Item	2016-17	2017-18	2018-19	Total
Permit Monitoring				
Subtotal	\$ 439,366.62	\$ 329,524.97	\$ 329,524.97	\$ 1,098,416.55
LACFCD Contribution (5%)	\$ 21,968.33	\$ 16,476.25	\$ 16,476.25	\$ 54,920.83
Remaining Cost²	\$ 417,398.28	\$ 313,048.72	\$ 313,048.72	\$ 1,043,495.72
MOU Cost				
Subtotal	\$ 598,574	\$ 304,842	\$ 304,842	\$ 1,208,258
LACFCD Contribution (5%)	\$ 29,929	\$ 15,242	\$ 15,242	\$ 60,413
Total Remaining Cost²	\$ 568,645	\$ 289,600	\$ 289,600	\$ 1,147,845

1. Cost includes 5 percent administration, but not 10 percent contingency.
2. Remaining cost to be cost shared between County, and the City of Malibu.

Table 3 Cost Allocation Formula¹ for 3 Years

Party	Acres	Percent of Area	Allocated Cost	Cost w/ Admin. & Contingency
Monitoring & Reporting Costs				
County of Los Angeles	77%	12,659	\$ 803,848	\$ 60,413
City of Malibu	23%	42,462	\$ 239,648	\$ 263,612
LACFCD (5%)	N/A	N/A	\$ 54,921	\$ 884,233
Total		100	\$ 1,098,417	\$ 1,208,258

1. Costs include 10% contingency.

Table 4 Invoicing Schedule

Party	2016-17	2017-18	2018-19	3-Year Total ¹	Contingency ²
	Invoice ^{1,3}	Invoice ¹	Invoice ¹		
County of Los Angeles	\$ 398,228	\$ 202,810	\$ 202,810	\$ 803,848	\$ 80,385
City of Malibu	\$ 118,722	\$ 60,463	\$ 60,463	\$ 239,648	\$ 23,965
LACFCD	\$ 27,208	\$ 13,856	\$ 13,856	\$ 54,921	\$ 5,492
Total	\$ 544,158	\$ 277,129	\$ 277,129	\$ 1,098,417	\$ 109,842

1. Includes 5% project administration.
2. Contingency is 10% of the 3-year total invoice amount. Contingency will not be invoiced unless there is a need for its expenditure as agreed in writing by all PARTIES.
3. The first invoice shall be sent once the MOU becomes effective or by June 30, 2016, whichever comes first, as set for in Section 6.

Table 5 Contract Costs for Optional Tasks¹

Tasks	Cost	Cost w/ Admin.	Contingency
Santa Monica Bay Bacterial TMDL Monitoring & Reporting	\$ 1,690,171.00	\$ 1,774,679.50	\$ 177,467.95
Report of Waste Discharge	\$ 60,940.00	\$ 63,987.00	\$ 6,398.70
Installation of Auto-samplers	\$ 150,000.00	\$ 157,500.55	\$ 15,750.06
Total	\$ 1,690,171.00	\$ 1,996,167.00	\$ 199,616.71

1. Costs for these optional tasks are provided for reference. Should any of the PARTIES agree to conduct any or all of these tasks, funding and cost allocation can be addressed by way of an amendment to this MOU. Special Study Task 6 of the Consultant proposal is included in the 3-Year Total.

EXHIBIT B

North Santa Monica Bay Coastal Watershed CIMP
Responsible Agencies Representatives

City of Malibu

23825 Stuart Ranch Road
Malibu, CA 90265-4861

Primary Representative: Jennifer Voccola Brown
Environmental Sustainability Department
jbrown@malibucity.org
(310) 456-2489 x 275

Secondary Representative: Rob DuBoux
Public Works Department
rduboux@malibucity.org
(310) 456-2489 x 339

County of Los Angeles

Department of Public Works
Watershed Management Division, 11th Floor
900 South Fremont Avenue
Alhambra, CA 91803-1331

Representative: Paul Alva
PALVA@dpw.lacounty.gov
(626) 458-4325

Los Angeles County Flood Control District

Department of Public Works
Watershed Management Division, 11th Floor
900 South Fremont Avenue
Alhambra, CA 91803-1331

Representative: Angela George
AGEORGE@dpw.lacounty.gov
(626) 458-4300

COST PROPOSAL

The following page presents Tetra Tech proposed cost estimate to implement the monitoring services per the North Santa Monica Bay Coastal Watersheds Coordinated Integrated Monitoring Program. .

Price Proposal		Labor Plan																	Subtotal w/o Optional Tasks					Optional Tasks	Total	
North Santa Monica Bay Coastal Watersheds CIMP		235	207	160	210	120	100	160	135	110	80	70	70	80	75	207										
Implementation		Principal in Charge (Chad Helmer, PE)	Project Manager (Katherine, PE)	Deputy Project Manager (Katherine, PE)	QA/QC Manager (Jim Boehner)	Associate Water Resources Specialist (John Stein)	Junior Civil Engineer (Alpha Chen)	Senior Civil Engineer (Jason Fuzell, P.E., ENV S.P.)	Senior Field Scientist (Robert Sabater)	Field Staff Scientist (Eric Nelson)	Field Staff Scientist (Sean Fisher)	Field Staff Scientist (Wen-Hao Lu)	Field Staff Scientist (Tiffany Chang)	Field Staff Scientist (Wen-Hao Lu)	Field Staff Scientist (Dorelle Chisney)	Database Manager (Jill Sorangella)										
Submitted to: City of Malibu		Labor Hrs																								
Contract Type: T&M		5,310	92	234	1,050	218	944	1,750	96	182	213	96	96	96	69	288										
Project Phases / Tasks		5,310	92	234	1,050	218	944	1,750	96	182	213	96	96	96	69	288										
Task 1. Project Management		578	56	116	224	6	-	152	-	16	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1 Project Management and Coordination		266	38	76	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2 Kick-off Meeting		28	8	12	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.3 Field Kick-off Meeting		44	8	12	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.4 Monitoring Report Workshop		240	18	24	48	6	-	144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2017/17 Annual Report Workshop		60	6	8	16	2	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2017/18 Annual Report Workshop		80	8	16	24	2	-	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2018/19 Annual Report Workshop		80	8	16	24	2	-	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Task 2. Stormwater Outfall Monitoring		342	-	-	36	-	-	48	-	18	48	48	48	48	48	48	-	-	-	-	-	-	-	-	-	
2.1 2016/17 Season		114	-	-	12	-	-	16	-	6	16	16	16	16	16	16	-	-	-	-	-	-	-	-	-	
2.2 2017/18 Season		114	-	-	12	-	-	16	-	6	16	16	16	16	16	16	-	-	-	-	-	-	-	-	-	
2.3 2018/19 Season		114	-	-	12	-	-	16	-	6	16	16	16	16	16	16	-	-	-	-	-	-	-	-	-	
Task 3. Receiving Water Monitoring		540	-	-	34	-	-	48	-	30	48	117	48	48	48	69	-	-	-	-	-	-	-	-	-	
3.1 Wet Weather Receiving Water Monitoring		342	-	-	36	-	-	48	-	18	48	48	48	48	48	69	-	-	-	-	-	-	-	-	-	
2017/17 Season		114	-	-	12	-	-	16	-	6	16	16	16	16	16	16	-	-	-	-	-	-	-	-	-	
2017/18 Season		114	-	-	12	-	-	16	-	6	16	16	16	16	16	16	-	-	-	-	-	-	-	-	-	
2018/19 Season		114	-	-	12	-	-	16	-	6	16	16	16	16	16	16	-	-	-	-	-	-	-	-	-	
3.2 Dry Weather Receiving Water Monitoring		198	-	-	48	-	-	12	-	69	-	-	-	-	-	69	-	-	-	-	-	-	-	-	-	
2017/17 Season		66	-	-	16	-	-	4	-	23	-	-	-	-	-	23	-	-	-	-	-	-	-	-	-	
2017/18 Season		66	-	-	16	-	-	4	-	23	-	-	-	-	-	23	-	-	-	-	-	-	-	-	-	
2018/19 Season		66	-	-	16	-	-	4	-	23	-	-	-	-	-	23	-	-	-	-	-	-	-	-	-	
Task 4. TMDL Compliance Monitoring		114	-	-	114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4.1 Bacteria TMDL Monitoring		78	-	-	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2017/17 Bacteria TMDL Monitoring		26	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2017/18 Bacteria TMDL Monitoring		26	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2018/19 Bacteria TMDL Monitoring		26	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.2 MCW Trash TMRP		36	-	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2017/17 Trash TMRP		12	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2017/18 Trash TMRP		12	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2018/19 Trash TMRP		12	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Task 5. Dry Weather Outfall Monitoring		172	-	-	32	-	-	24	-	20	48	48	48	48	48	48	-	-	-	-	-	-	-	-	-	
5.1 Non-stormwater (NSW) Outfall Screening and Monitoring Program		172	-	-	32	-	-	24	-	20	48	48	48	48	48	48	-	-	-	-	-	-	-	-	-	
2017/17 Outfall Screening		57	-	-	16	-	-	16	-	40	40	40	40	40	40	40	-	-	-	-	-	-	-	-	-	
2018/18 Outfall Screening		57	-	-	16	-	-	16	-	40	40	40	40	40	40	40	-	-	-	-	-	-	-	-	-	
2019/19 Outfall Screening		58	-	-	16	-	-	16	-	40	40	40	40	40	40	40	-	-	-	-	-	-	-	-	-	
Task 7. Laboratory Analysis		120	-	-	42	-	-	48	-	30	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7.1 Laboratory Coordination		60	-	-	30	-	-	48	-	30	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7.2 Laboratory Analysis, 2016/17 DW		10	-	-	2	-	-	8	-	8	8	8	8	8	8	8	-	-	-	-	-	-	-	-	-	
7.2 Laboratory Analysis, 2016/17 WW		10	-	-	2	-	-	8	-	8	8	8	8	8	8	8	-	-	-	-	-	-	-	-	-	
7.2 Laboratory Analysis, 2017/18 DW		10	-	-	2	-	-	8	-	8	8	8	8	8	8	8	-	-	-	-	-	-	-	-	-	
7.2 Laboratory Analysis, 2017/18 WW		10	-	-	2	-	-	8	-	8	8	8	8	8	8	8	-	-	-	-	-	-	-	-	-	
7.2 Laboratory Analysis, 2018/19 DW		10	-	-	2	-	-	8	-	8	8	8	8	8	8	8	-	-	-	-	-	-	-	-	-	
7.2 Laboratory Analysis, 2018/19 WW		10	-	-	2	-	-	8	-	8	8	8	8	8	8	8	-	-	-	-	-	-	-	-	-	
Task 8. Data Management		578	-	10	48	-	80	200	-	-	-	-	-	-	-	240	-	-	-	-	-	-	-	-	-	
8.1 Database Development		352	-	8	24	-	40	110	-	-	-	-	-	-	-	160	-	-	-	-	-	-	-	-	-	
8.2 Standard Reports		226	-	2	24	-	40	80	-	-	-	-	-	-	-	80	-	-	-	-	-	-	-	-	-	
Task 9. Reporting		2,866	36	104	438	208	840	1,192	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	
9.1 Meeting and Coordination		170	10	24	104	-	-	32	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	
2016 Annual Report Coordination and Meetings		34	2	8	24	-	-	16	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	
2017 Annual Report Coordination and Meetings		46	4	8	40	-	-	16	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	
2018 Annual Report Coordination and Meetings		58	4	8	40	-	-	16	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	
2019 Annual Report Coordination and Meetings		58	4	8	40	-	-	16	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	
9.2 Report Development		2,636	14	56	310	208	840	1,160	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	
2016 Annual Report		396	2	8	40	16	120	290	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	
2017 Annual Report		73	1	2	12	40	120	40	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	
2018 Annual Report		73	1	2	12	40	120	40	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	
2019 Annual Report		73	1	2	12	40	120	40	-	-	-	-	-													

Price Proposal

North State Monica Bay Coastal Watersheds CIWP

Implementation

Submitted to: City of Malibu

Contract Type: RMA

Principal in Charge (Chad Helme, PE)

Project Manager (Oliver Galang, PE, ENV SPI)

Deputy Project Manager (Bronwyn Kelly, PG, PMP)

QA/QC Manager (Clint Boschen)

Associate Water Resources Specialist (John Stein)

Junior Civil Engineer (Alysha Chan)

Senior Civil Engineer (Jason Fussel, PE, EITV SPI)

Senior Field Scientist (Robert Sabater)

Field Staff Scientist (Eric Nelson)

Field Staff Scientist (Sean Fulcher)

Field Staff Scientist (Wen-Hao Liu)

Field Staff Scientist (Tiffany Chang)

Field Staff Scientist (Wen-Han Liu)

Field Staff Scientist (Danielle Christen)

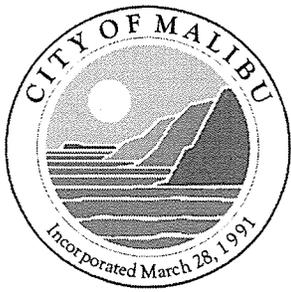
Database Manager (Julie Scarangella)

Subtotal w/o/Optional Tasks \$ 879,775

Optional Tasks \$ 2,947,222

Task Pricing Totals \$ 2,067,447

OPTIONAL TASKS	7,801	1,190	510	72	5,429	600	600	207	748,990	900,226				45,955	1,690,171
4.1 Project Management and Coordination	438	124	207	464	208	208	208	208	42,540	42,540					42,540
4.2 Special Studies (Optional)	4,472	464	464	464	464	464	464	464	42,540	42,540					42,540
4.3 Special Studies (Optional)	316	212	212	212	212	212	212	212	42,540	42,540					42,540
4.4 Special Studies (Optional)	4,472	464	464	464	464	464	464	464	42,540	42,540					42,540
4.5 Special Studies (Optional)	296	212	212	212	212	212	212	212	42,540	42,540					42,540
4.6 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.7 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.8 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.9 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.10 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.11 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.12 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.13 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.14 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.15 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.16 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.17 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.18 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.19 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.20 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.21 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.22 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.23 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.24 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.25 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.26 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.27 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.28 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.29 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.30 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.31 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.32 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.33 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.34 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.35 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.36 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.37 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.38 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.39 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.40 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.41 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.42 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.43 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.44 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.45 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.46 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.47 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.48 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.49 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.50 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.51 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.52 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.53 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.54 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.55 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.56 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.57 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.58 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.59 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.60 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.61 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.62 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.63 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.64 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.65 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.66 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.67 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.68 Special Studies (Optional)	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	42,540	42,540					42,540
4.69 Special															



Council Agenda Report

To: Mayor Rosenthal and Honorable Members of the City Council

Prepared by: Bonnie Blue, Planning Director *BB*

Approved by: Reva Feldman, City Manager *[Signature]*

Date prepared: June 15, 2016 Meeting date: June 27, 2016

Subject: Rezoning Four Open Space Lots to Rural Residential (Assessor Parcel Numbers (APNs) 4449-009-001,-002,-003, and -004)

RECOMMENDED ACTION: Adopt Resolution No. 16-32 initiating Local Coastal Program Amendment (LCPA) No. 16-003 to correct a land use and zoning discrepancy between the City of Malibu zoning and land use maps and the City of Malibu Local Coastal Program (LCP) maps from Public Open Space to Rural Residential-20 acre minimum lot size (RR-20) for four lots identified as APNs 4449-009-001,-002,-003, and -004 (also known as 5603 Tuna Canyon Road).

FISCAL IMPACT: None.

DISCUSSION: Pursuant to the Council's direction as provided on June 13, 2016, staff has prepared a resolution to process said LCPA.

SUMMARY: Staff will publish a Notice of Availability pursuant to LCP Local Implementation Plan Section 19.3. The amendments will be presented to the Planning Commission in a public hearing. Based on the Planning Commission's recommendation, the amendments will then be presented to the City Council, followed by a submittal to the California Coastal Commission for processing.

ATTACHMENT: Resolution No. 16-32

RESOLUTION NO. 16-32

A RESOLUTION OF THE CITY COUNCIL INITIATING LOCAL COASTAL PROGRAM AMENDMENT NO. 16-003 TO CORRECT A LAND USE AND ZONING DISCREPANCY BETWEEN THE CITY OF MALIBU ZONING AND LAND USE MAPS AND THE CITY OF MALIBU LOCAL COASTAL PROGRAM MAPS FROM PUBLIC OPEN SPACE TO RURAL RESIDENTIAL-20 ACRE MINIMUM LOT SIZE (RR-20) FOR FOURS LOTS IDENTIFIED AS ASSESSOR PARCEL NUMBERS 4449-009-001,-002,-003, AND -004 (ALSO KNOWN AS 5603 TUNA CANYON ROAD)

The City Council of the City of Malibu does hereby ordain as follows:

SECTION 1. Initiation.

A. Pursuant to Local Coastal Program (LCP) Local Implementation Plan (LIP) Chapter 19 and Malibu Municipal Code (MMC) Chapter 17.74, the City Council hereby initiates an amendment to the LCP and MMC and directs staff to issue a Notice of Availability consistent with LIP Section 19.3.1 to amend the provisions concerning expiration of coastal development permits.

SECTION 2. Planning Commission Hearing.

The Planning Commission is hereby directed to conduct a duly noticed public hearing in accordance with the provisions of LIP Chapter 19 no earlier than six weeks from the date of mailing of the Notice of Availability. Following the public hearing, the Planning Commission shall recommend to the City Council whether it should approve, modify, or reject the amendment. The Planning Commission's recommendation shall be made by resolution carried by the affirmative vote of not less than the majority of the entire Planning Commission.

SECTION 3. The City Clerk shall certify to the passage and adoption of this resolution and enter it into the book of original ordinances.

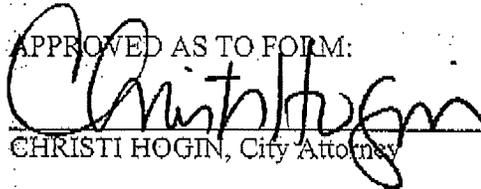
PASSED, APPROVED AND ADOPTED this 27th day of June 2016.

LAURA ROSENTHAL, Mayor

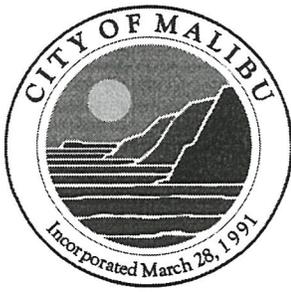
ATTEST:

LISA POPE, City Clerk
(seal)

APPROVED AS TO FORM:



CHRISTI HOGIN, City Attorney



Council Agenda Report

To: Mayor Rosenthal and the Honorable Members of the City Council

Prepared by: Jessica Colvard, Associate Planner *JC*

Reviewed: Bonnie Blue, Planning Director *BB*

Approved by: Reva Feldman, City Manager *RF*

Date prepared: June 8, 2016 Meeting date: June 27, 2016

Subject: Amendments to Malibu Municipal Code Chapter 5.34 (Special Events)

RECOMMENDED ACTION: 1) After the City Attorney reads the title of the ordinance, introduce on first reading Ordinance No. 406, determining the project is categorically exempt from the California Environmental Quality Act (CEQA) and amending Malibu Municipal Code (MMC) Chapter 5.34 (Special Events); and 2) Direct staff to schedule a second reading and adoption of Ordinance No. 406 for the July 11, 2016 Regular City Council meeting.

FISCAL IMPACT: None.

DISCUSSION: Recently, the number of complaints associated with special events held on residential properties has been increasing. Many of the complaints arise from events held without obtaining a permit, and many of the unpermitted events occur on properties occupied by short term renters. Additionally, the City occasionally receives special event permit applications for properties with open code violations. The code does not clearly authorize the City to deny these applications nor does it penalize properties with documented event violations. Staff proposes to amend MMC Chapter 5.34 (Special Events) to address these issues.

MMC Chapter 5.34 (Special Events) regulates large events on residential properties, restricting the number of events to four events per calendar year. Events which require a special event permit include any event anticipated to have 100 people or more,

charges an admission fee, is publically advertised, is intended to promote a product or attract media or is proposed at a venue being rented for the event.

The changes to MMC Chapter 5.34 are intended to improve the City's ability to regulate special events, therefore, aiding in the preservation of the residential character of the neighborhoods. The changes include:

- A reduction in the threshold of anticipated attendees requiring a special event permit, adding a provision that addresses events being held on rental properties and including the Malibu Coast Estate Planned Development zone in the zoning districts which require special event permits.
- Adding a requirement for the property owner's signature on the special event permit application form and restricting special events on properties with open code enforcement violations.
- Adding a penalty for properties where violations of the conditions of approval for special event permits have occurred and extending the timeframe for future permit issuance.

1. MMC Section 5.34.020 – Prohibition on excessive special events in residential neighborhoods - Events Requiring Permits

The amendment to MMC Section 5.34.020 reduces the threshold of anticipated attendees at an event from 100 to 50. This amendment would improve the City's ability to limit large events proposed in residential neighborhoods thereby helping to preserve the residential character of the neighborhood. The amendment to this section also includes a provision that requires events with as few as 15 people to receive a special event permit if the property being used for the event is being rented as a short term rental for a period of less than 30 days.

All other requirements contained within MMC Section 5.34.020 will remain the same.

As amended, MMC Section 5.34.020 (Events requiring permits) would read as follows:

It is unlawful for any person to conduct or hold in any residence or on any residential property any special event requiring a special event permit as provided in this chapter without such a permit. A special event permit issued by the city prior to the commencement of the event shall be required for all of the following events on property located in any RR, SF, MF, MFBF, or MH, or PD zone:

- A. Any event anticipating or prepared to accommodate ~~one hundred (100)~~ fifty (50) or more persons; or

- B. Any event with any commercial component such as an admission fee, renting of facility, public advertising, or promoting a product in the media by inviting persons who wear or display a product or products for the purpose of attracting media attention to such products at the event, such as to attract the attention of the paparazzi; or
- C. Any event held at a location that is being rented for a period of thirty (30) days or less qualifies as a special event if fifteen (15) or more people are anticipated to attend.

2. MMC Section 5.34.030 - Application Requirements

The amendment to MMC Section 5.34.030 includes the requirement for the property owner to sign the special event permit application. This requirement ensures the City that the property owner is aware of an event proposed to take place on their property which requires permit issuance. The amendment to this section also includes a provision that the property be free and clear of any open code enforcement violations or that the property owner be actively working with the City to resolve outstanding violations. This provision ensures that the City is not permitting events to take place on properties or structures that are unpermitted and, therefore, uninspected by a City official. Unpermitted and uninspected structures may contain risks to the public health, safety and/or welfare of the property.

All other requirements contained within MMC Section 5.34.030 will remain the same.

As amended, MMC Section 5.34.030 (Application requirements) would read as follows:

A resident of the city may obtain from the city a maximum of four special events permits per calendar year per parcel in order to conduct a special event at the resident's residence pursuant to the provisions of this section. Properties with outstanding code enforcement violations are not eligible for special event permits unless a compliance agreement between the City and the property owner exists that addresses a resolution to the violation.

- A. Requirements. A complete application for special event permit shall consist of the following:
 - 1. An application, in a form as approved by the city, completely filled out and signed by applicant and property owner;

3. MMC Section 5.34.040 - Special Event Permit Issuance

The amendment to MMC Section 5.34.040 allows the City to restrict the issuance of special event permits on properties where violations of the conditions of approval for previously issued special event permits have occurred or where events have been held without first obtaining the proper permit. The amendment also increases the permit issuance timeframe from five days to ten days to allow for additional planning analysis.

As amended MMC, Section 5.34.040 (Special event permit issuance) would read as follows:

The city manager, or his or her designee, shall issue a permit for special events that meet the requirements of this chapter within five ten business days of receipt of a complete application. The city manager may impose conditions on the permit to protect against the event becoming a nuisance to the surrounding neighborhood due to the number of people in attendance, the amount of traffic to be generated, the type and volume of amplified music or entertainment to be utilized and other similar considerations. Conditions shall take into account the size of the residential property, the capacity of the street on which it is located, the availability of parking and the proximity to neighbors.

Should a special event be held without a special event permit, or be in violation of the special event permit conditions, no special event permits will be issued for the property for a period of six months from the date of violation. An additional six month restriction period will be imposed for each subsequent special event permit violation.

ATTACHMENT: Ordinance No. 406

ORDINANCE NO. 406

AN ORDINANCE OF THE CITY OF MALIBU DETERMINING THE PROJECT IS CATEGORICALLY EXEMPT FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT AND AMENDING MALIBU MUNICIPAL CODE CHAPTER 5.34 (SPECIAL EVENTS)

The City Council of the City of Malibu does hereby ordain as follows:

SECTION 1. Environmental Review.

This Ordinance has been determined to be exempt from the California Environmental Quality Act pursuant to CEQA Guidelines Section 15061(b)(3) because there is no possibility that this Ordinance may have a significant effect on the environment.

SECTION 2. Amendments.

A. MMC Section 5.34.020 (Prohibition on excessive special events in residential neighborhoods – Events Requiring Permits) is hereby amended to read as follows:

It is unlawful for any person to conduct or hold in any residence or on any residential property any special event requiring a special event permit as provided in this chapter without such a permit. A special event permit issued by the city prior to the commencement of the event shall be required for all of the following events on property located in any RR, SF, MF, MFBF, MH, or (Malibu Coast Estate) PD zone:

- A. Any event anticipating or prepared to accommodate fifty (50) or more persons; or
- B. Any event with any commercial component such as an admission fee, renting of facility, public advertising, or promoting a product in the media by inviting persons who wear or display a product or products for the purpose of attracting media attention to such products at the event, such as to attract the attention of the paparazzi; or
- C. Any event held at a location that is being rented for a period of thirty (30) days or less qualifies as a special event if fifteen (15) or more people are anticipated to attend.

A special event permit shall not be issued for an event of more than eight hours in duration.

B. MMC Section 5.34.030 (Application Requirements) is hereby amended to read as follows: and all additional application requirements 2. through 5. shall remain unchanged:

A resident of the city may obtain from the city a maximum of four special events permits per calendar year per parcel in order to conduct a special event at the resident's residence pursuant to the provisions of this section. Properties with outstanding code enforcement violations are not eligible for special event permits unless a compliance agreement between the City and the property owner exists that addresses a resolution to the violation.

- A. Requirements. A complete application for special event permit shall consist of the following:
1. An application, in a form as approved by the city, completely filled out and signed by applicant and property owner;

C. Amend MMC Section 5.34.040 (Special Event Permit Issuance) to read as follows:

The city manager, or his or her designee, shall issue a permit for special events that meet the requirements of this chapter within ten business days of receipt of a complete application. The city manager may impose conditions on the permit to protect against the event becoming a nuisance to the surrounding neighborhood due to the number of people in attendance, the amount of traffic to be generated, the type and volume of amplified music or entertainment to be utilized and other similar considerations. Conditions shall take into account the size of the residential property, the capacity of the street on which it is located, the availability of parking and the proximity to neighbors.

Should a special event be held without a special event permit, or be in violation of the special event permit conditions, no special event permits will be issued for the property for a period of six months from the date of violation. An additional six month restriction period will be imposed for each subsequent special event permit violation.

SECTION 3. Severability. If any section, subsection, phrase, or clause of this ordinance is for any reason held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance.

The City Council hereby declares that it would have passed this ordinance and each section, subsection, phrase or clause thereof irrespective of the fact that any one or more sections, subsections, phrases, or clauses be declared unconstitutional.

SECTION 4. The City Clerk shall certify to the passage and adoption of the ordinance and enter it into the book of original ordinances.

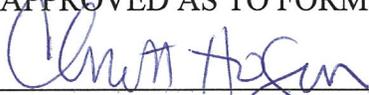
PASSED, APPROVED AND ADOPTED this ____ day of ____, 2016.

LAURA ROSENTHAL, Mayor

ATTEST:

LISA POPE, City Clerk
(seal)

APPROVED AS TO FORM:



CHRISTI HOGIN, City Attorney



Council Agenda Report

To: Mayor Rosenthal and the Honorable Members of the City Council

Prepared by: Robert DuBoux, Assistant Public Works Director/City Engineer 

Reviewed by: Robert L. Brager, Public Works Director/City Engineer 

Approved by: Reva Feldman, City Manager 

Date prepared: June 7, 2016 Meeting date: June 27, 2016

Subject: Valet Attendant Safety Requirements

RECOMMENDED ACTION: 1) After the City Attorney reads the title, introduce on first reading Ordinance No. 407 adding Chapter 9.38 (Valet Attendant Safety Requirements) to the Malibu Municipal Code (MMC) Title 9 (Public Peace and Welfare) requiring valet parking attendants to wear high-visibility safety apparel while providing valet services in the public right-of-ways within the City limits; and 2) Direct staff to schedule second reading and adoption of Ordinance No. 407 for the July 11, 2016 Regular City Council meeting.

FISCAL IMPACT: None.

DISCUSSION: In 2012, the Public Safety Commission (Commission) raised concerns about the safety of valet attendants parking and retrieving vehicles along Pacific Coast Highway and recommended that the City Council consider various options in order to address these concerns. The Commission suggested the following: 1) draft an ordinance authorizing the City to require valet parking attendants to wear high-visibility safety apparel at all times as a precondition to, and requirement for holding, City-issued business licenses; 2) direct staff to include a requirement that valet parking attendants wear high-visibility safety apparel at all times as a precondition to, and requirement for holding, City-issued CUPs for valet services; or 3) direct the Volunteers on Patrol (VOP) team to contact local valet services to encourage their employees to wear high-visibility safety apparel at all times.

At its regular meeting on June 11, 2012, the City Council considered the Commission's recommendations and directed the VOP team to reach out to local valet operators and provide a report to the Public Safety Commission after six months' time (Attachment 2).

Upon consideration of the VOP's report, the Commission ultimately concluded that increased measures would be necessary in order to ensure the safety of valet attendants, motorists, and the general public.

At its January 9, 2013 Special meeting, the Commission voted unanimously to recommend that the Council: 1) adopt an ordinance requiring valet companies using the public right-of-ways in the City of Malibu to wear reflective outerwear at all times; and 2) consider adding a requirement to the ordinance that operators also wear blinking lights on their wrists and/or ankles during hours when visibility is low (between sunset and sunrise).

On March 11, 2013, the City Council again considered the Commission's recommendations and directed staff to draft an ordinance requiring valet parking attendants to wear high-visibility safety apparel while performing valet services in the public right-of-ways within the City limits.

SUMMARY OF PROPOSED ORDINANCE:

Modeled after the Manual on Uniform Traffic Control Devices¹, the California Department of Transportation is responsible for publishing the California Manual on Uniform Traffic Control Devices ("Cal-MUTCD"); which adopts uniform standards and specifications for all official traffic control devices, in accordance with Section 21400 of the California Vehicle Code. Both the MUTCD and Cal-MUTCD specify that certain individuals performing work within the public right-of-way who are exposed to traffic must wear high-visibility safety apparel that meets the requirements of the American National Standards Institute/International Safety Equipment Association ("ANSI/ISEA"). While ANSI/ISEA 107 is silent as to whether blinking lights are necessary, it does specify that the high-visibility safety apparel worn by persons exposed to traffic must be certified and labeled either Performance Class 2² or 3³. The proposed definition of "High-Visibility Safety Apparel" in the ordinance has been taken from Section 6E.02 (High-Visibility Safety Apparel) of the 2014 edition of the Cal-MUTCD.

Pursuant to proposed MMC Section 9.38.020, valet parking attendants are required to

¹ Which is approved by the Federal Highway Administrator as the National Standard in accordance with federal law

² These are High Visibility garments for workers who are on or near roadways, are exposed to traffic traveling at speeds in excess of 25 mph, and are in situations where complex visual backgrounds may be present. Examples of workers benefiting from this class of garments are roadway construction workers, utility workers, survey crews, crossing guards, tollgate personnel, airport baggage handlers, first responders, and law enforcement personnel.

³ These are High Visibility garments for workers in the highest-risk situations, who need to be visible through a full range of body motions from a minimum distance of 1280 feet, and who are exposed to traffic traveling at significantly high speeds. Workers who benefit from this class of garments include highway maintenance and construction crews, utility workers, tow truck operators, survey crews, flaggers, and emergency response personnel.

wear high-visibility safety apparel anytime they are parking or retrieving vehicles on any public right-of-way within the City. This would include any valet services performed for both private and commercial functions, as long as a public right-of-way within the City is being used by the valet operator/attendant during the performance of their valet services.

Lastly, proposed MMC Chapter 9.38 authorizes the Sheriff's Department or any designated City employee or agent to administer administrative citations for violations of any provision of MMC Chapter 9.38. Pursuant to the language of MMC Section 9.38.030, penalties for any violations under MMC Chapter 9.38 would attach to all or some of the following individuals: 1) the owner of the valet service; 2) the individual valet attendant; and/or 3) the private person or commercial business that has contracted with, or benefits from, the valet services being performed.

SUMMARY: Staff recommends that the City Council introduce on first reading Ordinance No. 407 adding Chapter 9.38 (Valet Attendant Safety Requirements) to the MMC Title 9 (Public Peace and Welfare) requiring valet parking attendants to wear high-visibility safety apparel while providing valet services in the public right-of-ways within the City limits.

ATTACHMENTS:

1. Ordinance No. 407
2. VOP Valet Safety Report

ORDINANCE NO. 407

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MALIBU ADDING CHAPTER 9.38 TO TITLE 9 (PUBLIC PEACE AND SAFETY) TO THE MALIBU MUNICIPAL CODE REQUIRING VALET PARKING ATTENDANTS TO WEAR HIGH-VISIBILITY SAFETY APPAREL WHILE PROVIDING VALET SERVICES IN ANY PUBLIC RIGHT-OF-WAYS WITHIN THE CITY LIMITS; AND AMENDING SECTION 1.10.040 OF CHAPTER 1.10 (ADMINISTRATIVE CITATIONS AND PENALTIES) OF TITLE 1 (GENERAL PROVISIONS) OF THE MALIBU MUNICIPAL CODE TO REFLECT THAT VIOLATIONS OF CHAPTER 9.38 SHALL BE SUBJECT TO THE CITY'S ADMINISTRATIVE PENALTY PROVISIONS

The City Council of the City of Malibu does hereby ordain as follows:

SECTION 1.

Chapter 9.38 is hereby added to of Title 9 (Public Peace and Welfare) of the Malibu Municipal Code to read as follows:

Chapter 9.38

VALET ATTENDANT SAFETY REQUIREMENTS

- 9.38.010** **Definitions.**
- 9.38.020** **High-visibility safety apparel required.**
- 9.38.030** **Penalties.**

9.38.010 **Definitions.**

For purposes of this chapter, the following terms have the following meaning:

A. "High-Visibility Safety Apparel" means any vest, shirt, or jacket which meets the following conditions: the outer material color shall be fluorescent orange-red, fluorescent yellow-green or a combination of the two as defined by the American National Standards Institute/International Equipment Safety Association for class 2 or 3 risk exposure; the retroreflective material shall be orange, yellow, white, silver, yellow-green, or a fluorescent version of these colors; and the apparel shall be designed to clearly identify the wearer as a person.

B. "Person" means any natural person, firm, partnership, association, corporation or other entity.

C. "Public Right-of-way" means any area within the City of Malibu designated for public use as a public street, pedestrian way or other thoroughfare, including but not limited to publicly maintained sidewalks, highways, roadways, avenues, lanes, or alleys.

D. “Retroreflective” means a vest, shirt, or jacket that is capable of clearly retro-reflecting light, under normal atmospheric conditions, from a minimum distance of 1,000 feet when illuminated by the head lights of standard automobiles.

E. “Valet Parking” means the receiving, taking possession of, driving, moving, parking or storing any vehicle that is left in one location to be driven to another location for parking, whether or not a charge is imposed for the valet parking service.

F. “Valet Parking Attendant” means any employee or agent of a Valet Parking Operator, or any employee or agent of a business providing Valet Parking to its customers, who receives, takes possession of or moves any vehicle, or who handles the keys to any vehicle left with the attendant for Valet Parking.

G. “Valet Parking Operator” means any person engaged in the business of Valet Parking, including any person contracting with a Valet Parking Operator to provide Valet Parking, or any person engaged in providing Valet Parking services to the public.

9.38.020 High-Visibility Safety Apparel required.

A. No Valet Parking Operator shall employ, direct or otherwise permit, a Valet Parking Attendant to park or retrieve any vehicle on, along, or across any Public Right-of-way, unless that Valet Parking Attendant is wearing High-Visibility Safety Apparel as specified in this chapter.

B. Valet Parking Attendants shall wear High-Visibility Safety Apparel at all times while Valet Parking on any Public Right-of-way, including while walking on, along or across any Public Right-of-way.

9.38.030 Penalties.

A. The City has determined that this chapter is necessary to protect health, life, and property of the City and its inhabitants.

B. Any violation of the provisions of this chapter by any person shall be subject to the administrative penalty provisions of Title 1 chapter 1.10 of this Code.

C. This chapter authorizes any deputy sheriff, or city employee or agent of the city designated by the director of any city department, to administer, implement, and enforce the provisions of this chapter.

Section 2. Subsection A of Section 1.10.040 of Chapter 1.10 (Administrative Citations and Penalties) of Title 1 (General Provisions) of the Malibu Municipal Code is hereby amended to read as follows:

1.10.040 Code violations subject to administrative penalty procedures.

A. In addition to any criminal, civil or other legal remedy established by this code or other law that may be pursued to address violations of the municipal code, the violations described in the municipal code titles, chapters and sections listed below are subject to the administrative penalty procedures and other provisions of this chapter:

1. Chapter 5.04: Business Licenses Generally;
2. Chapter 5.20: Motion Pictures, Television and Photographic Productions;
3. Chapter 8.04: Health Code Adopted;
4. Chapter 8.24: Noise;
5. Chapter 8.32: Solid Waste and Recyclable Materials;
6. Chapter 9.08: Offenses Against Property;
7. Chapter 9.20: Water Conservation;
8. Chapter 9.24: Ban on Expanded Polystyrene Food Packaging;
9. Chapter 9.28: Ban on Plastic Shopping Bags;
10. Chapter 9.38: Valet Attendant Safety Requirements;
11. Chapter 13.04 Storm Water Management and Discharge Control;
12. Chapter 15.04: Building Code Adopted;
13. Chapter 15.08: Electrical Code Adopted;
14. Chapter 15.12: Plumbing Code Adopted;
15. Chapter 15.16: Mechanical Code Adopted;
16. Title 17: Zoning.

Section 3. The City Clerk shall certify to the passage and adoption of this ordinance and enter it into the book of original ordinances.

PASSED, APPROVED AND ADOPTED this 27th day of June 2016.

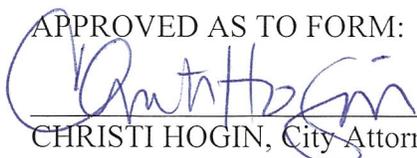
LAURA ROSENTHAL, Mayor

ATTEST:

LISA POPE, City Clerk
(seal)

Date: _____

APPROVED AS TO FORM:



CHRISTI HOGIN, City Attorney



Public Safety
Commission Meeting
12-05-12
Item
4.B.

Public Safety Commission Agenda Report

To: Chair Frost and Members of the Public Safety Commission
Prepared by: Brad Davis, Emergency Services Coordinator (ESC) (TSA)
Approved by: Jim Thorsen, City Manager (Signature)
Date prepared: November 15, 2012 **Meeting date:** December 5, 2012
Subject: Volunteers on Patrol Report on Valet Safety

RECOMMENDED ACTION: Receive an update from Malibu Volunteers on Patrol (VOP) on its communications with local valet operators regarding safety precautions.

DISCUSSION: On June 11, 2012 the City Council directed the Volunteers On Patrol (VOP) team to speak to parking valets along PCH about the use of personal safety precautions and high visibility clothing. Team members have been incorporating visits to local valet locations as part of their patrols. Attached is the VOP report on the results of those interactions.

ATTACHMENTS: Valet Safety Report.

Volunteers on Patrol Valet Safety Report

Per Sgt. Brooks:

The MUTCD requires road construction workers and law enforcement to wear reflective vests (MUTCD 6E.02).

OSHA "recommends" other persons in and around highways do the same. There is no requirement for valets to wear them, but I would recommend they do so.

Your people could contact the valet operations and suggest their workers wear some sort of reflective vest. If the company made a uniform that had reflective material, that would be an improvement.

With PCH, warnings signs prior to the business would advise motorists of Slow traffic ahead.

Restaurants:

Moonthadows – National Valet

Visited 3 times. 1st time – valets were not wearing their provided reflective vests at night, were encouraged to do so. 2nd time – valets were wearing reflective vests. 3rd time visited 11/10/12 were wearing reflective vests and were turning on light on vests when crossing the street. Valets stated that National had provided reflective vests approximately 2 years ago. Note: observed many dangerous u-turns.

Mission Restaurant – Executive Valet

Valet for special event, were not wearing reflective vests, but had cones outlining area for cars to pull in. Swung back later and they were parking cars on the street, but in a well lit area. Company had not supplied reflective vests. Employees were very open to safety precautions.

Sunset Restaurant – National Valet

Company did not provide reflective vests, do park cars on street (when lot is full), but said they only park cars on the street for employees (?). Past the restaurant lot (facing towards PCH) street is very dark and if they are parking cars in the street in that area, would be very hard to see valet without reflective attire. Valet employees were not concerned.

Geoffrey's Restaurant – Own Valets

No valets wearing reflective vests. One valet said the owner "bugs" him to wear the vest. Restaurant was not busy that night, so they were not parking cars on the street then. Wished they could use reflective cones, but were told it was not allowed by the City.

Private companies:

Valet of the Dolls

Contacted Office - responded that all valets are supplied with reflective vests and are instructed to use them at night. Would like to use reflective cones, but cannot do so in Malibu.

Premier Valet Company

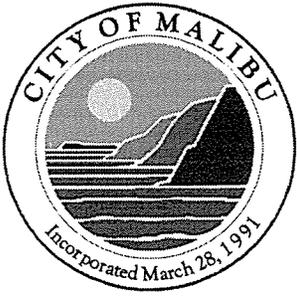
Contacted office – states that reflective vests are supplied, depending on the event. Reflective vests are not required. They use “Valet” or “Stop” signs. Company representative stated that they were very concerned about safety.

Malibu Valet

Said they rarely work in Malibu, are based in Santa Barbara.

Unable to reach anyone from:

White Glove Valet, Signature Parking and Valet Parking Service



Council Agenda Report

To: Mayor Rosenthal and the Honorable Members of the City Council

Prepared by: Reva Feldman, City Manager

Date prepared: June 15, 2016

Meeting date: June 27, 2016

Subject: Proposed Budget for Fiscal Year 2016-2017

RECOMMENDED ACTION: 1) Adopt Resolution No. 16-33 adopting the Annual Budget for Fiscal Year (FY) 2016-2017; 2) Approve the Annual Work Plan for FY 2016-2017; 3) Adopt Resolution No. 16-34 approving the FY 2016-2017 Authorized Positions and Salary Ranges; and 4) Adopt Resolution No. 16-35 establishing the Appropriations Limit for FY 2016-2017.

FISCAL IMPACT: The proposed budget totals \$81.26 million in revenue and \$81.45 million in expenses, and includes a balanced General Fund budget of \$26.91 million in revenues and \$26.37 million in expenses.

DISCUSSION: On April 27, 2016, a balanced preliminary budget for Fiscal Year 2016-2017 was presented to Council. The budget remains balanced after refinement of revenues and expenditures for Fiscal Year 2015-2016 and Fiscal Year 2016-2017.

This Proposed Budget includes General Fund revenues of \$26.91 million and General Fund expenditures of \$26.37 million. The projected Undesignated General Fund reserve at June 30, 2017 is \$23.33 million. The projected reserve is 88% of the annual operating budget and exceeds the City's goal of maintaining a minimum of 50% of the operating budget in reserves. The total projected General Fund balance (including Designated and Undesignated reserves) at June 30, 2017 is \$27.43 million.

Revenues and expenditures for the current fiscal year and for the upcoming fiscal year have been refined since the budget was presented to the Council on April 27, 2016 and June 13, 2016. The Projected Budget for Fiscal Year 2015-2016 reflects an additional \$1.04 million in expected General Fund revenue and an additional \$375,000 of revenue has been included in the Proposed Budget for Fiscal Year 2016-2017.

Revenues to the Special Revenue Fund total \$51.66 million and expenditures total \$2.18 million. Transfers of \$49.66 million to other funds will leave a projected reserve of \$591,000 of Special Revenue Funds at Fiscal Year end.

Revenue to the Legacy Park Project fund totals \$2.15 million and expenditures total \$2.07 million.

Revenue to all funds is projected at \$81.26 million and expenditures for all funds are projected at \$81.45 million.

General Fund Undesignated Reserves

The Fiscal Year 2016-2017 budget proposes a starting General Fund Undesignated Reserve at July 1, 2016 of \$22.80 million. This reserve is \$3.61 million higher than the General Fund Undesignated Reserve that was anticipated during the prior year adopted budget. The increase is due to the expected \$1 million reimbursement from the CCWWTF project, as well as strong General Fund tax revenues, and in particular, strong Property Tax revenue in Fiscal Year 2015-2016. High reserves have been achieved while funding high priority Council goals and completing multiple capital acquisitions and improvement projects.

The General Fund Undesignated Reserve is budgeted at 88% of the annual operating budget and exceeds Council Policy #3, which sets a goal of maintaining a minimum of 50% of the operating budget in reserves. The projected General Fund Undesignated Reserve at June 30, 2017 is \$23.33 million.

General Fund Revenue

All of the City's major tax revenue sources are budgeted to increase or remain steady in Fiscal Year 2016-2017 and have been adjusted since the April 27, 2016 budget presentation to more accurately reflect expected amounts.

The City's major General Fund tax revenue sources are Property Tax, Documentary Transfer Tax, Utility User's Tax, Transient Occupancy Tax and Sales Tax. Secured Property Tax revenue (100-0000-3111) is projected to increase \$600,000 to \$8.90 million from Fiscal Year 2015-2016. Documentary Transfer Tax is budgeted to increase \$50,000 from the prior fiscal year. Utility User's Tax will increase \$15,000. Several new retail and restaurant outlets account for an increase in Sales Tax revenue (100-0000-3137) with an increase of \$150,000 from the 2015-2016 budgeted amount. Transient Occupancy Tax (100-0000-3133) from hotel rentals will remain consistent with the prior year amount, while Transient Occupancy Tax from short-term residential rentals (100-0000-3133-01) is budgeted to increase \$350,000 from the budgeted amount of the prior fiscal year. Parking Tax (100-0000-3138) is budgeted to increase \$40,000 from the prior year.

Revenue from Licenses and Permits is budgeted to increase a total of \$214,000 from the prior fiscal year and revenue from Service Charges is budgeted to increase \$175,000 from the prior fiscal year.

The net change of all General Fund revenue represents an increase of \$1.51 million in revenue from the Fiscal Year 2015-2016 Adopted Budget, which is a reflection of the City's ongoing fiscal stability and strength.

Special Revenue Funds

The Special Revenue Fund totals \$51.66 million, including \$47.37 million in funding for the CCWWTF. Gas Tax revenue is projected at \$275,000. Gas Tax revenues are based, in part, on projected fuel costs and sales, and the budgeted amount has declined \$25,000 from the prior year, which can be attributed to a lighter demand for gas and a downward trend in prices. Traffic Safety revenue is projected at \$300,000, which is a decrease of \$50,000 from the prior year. Proposition A revenue is projected at \$220,000 and Proposition C revenue is projected at \$175,000, both of which are consistent with revenue received in these funds in the prior fiscal year. Revenue from the three Landslide Maintenance Districts, the Carbon Beach Undergrounding Community Facilities District and the Broad Beach Undergrounding Assessment District are also budgeted in Special Revenue funds. Revenue from the Landslide Maintenance Districts is used for operations and maintenance. Revenue from the other special districts is used to pay debt service and associated administrative costs.

Legacy Park Project Fund

The Legacy Park Project Fund reflects revenue and expenditures associated with the City's three commercial properties, Legacy Park and clean water projects. The proposed budget for Fiscal Year 2016-2017 includes \$1.44 million of base rental income from three commercial properties and \$650,000 of percentage rental income from the Malibu Lumber Yard site for a total of \$2.15 million. Revenue is used for debt service associated with the Legacy Park acquisition, operations and maintenance of Legacy Park, and other high priority clean water expenses.

The available amount in the Legacy Park Project Fund has decreased from the prior year as a result of the CCWWTF Assessment District payment necessary for the commercial properties. The City will be reimbursed the total amount from the commercial property tenants over a period of time.

Expenditures

The proposed budget for Fiscal Year 2016-2017 is based on the Annual Work Plan included as Attachment 2 and was developed with an emphasis on streamlining services balanced with meeting the increasing project and work load of the City. Special Revenue and Legacy Park Project funds have been budgeted in lieu of General Funds where appropriate in an effort to reduce the use of General Funds.

Internal Service allocations for information technology and vehicles are assigned by department. For Fiscal Year 2016-2017, the proposed budget includes an Information Technology allocation of \$3,500 per computer user and \$5,000 per vehicle user.

The City's CalPERS contribution rate for Fiscal Year 2016-2017 will be 16.56% of payroll for Classic Employees (hired prior to 2013) and 6.93% of payroll for New Employees (hired after 2013). In Fiscal Year 2015-2016, the City's contribution rate for Classic Employees was 16.35% and 6.73% for New Employees. The Proposed Budget provides for 53 Classic Full-Time Employees and 19 New Full-Time Employees. Part-Time Employees and Interns do not participate in CalPERS.

Since the June 13, 2016 budget presentation, the following changes have been made to the budget:

- \$61,000 has been added to Clean Water (101-3003) for professional services for the Integrated Monitoring Program
- \$3,000 has been added to Human Resources for health program incentives as directed by the Council on June 13, 2016

Management Services

Changes in the budget for Management Services are attributable to:

- A decrease of \$3,700 in City Council due to a reduction in Special Events offset by an increase in General Fund Grants. Pursuant to Council direction on April 27, 2016, the City Council budget includes a line item amount of \$175,000 for the General Fund Grant
- The transfer of Media Operations from Administrative Services to Management Services. This budget has increased \$46,000 due to a transfer of salaries and benefits previously charged to Information Systems
- An increase of \$128,000 in the City Manager budget due to a transfer of salaries and benefits for the Assistant to the City Manager position from Public Works and a \$7,900 increase in Operating and Maintenance expenses
- An increase of \$55,000 in the City Attorney budget for litigation expenses
- An increase of \$21,000 in the City Clerk budget
- The transfer of Human Resources from Administrative Services to Management Services. This budget increased as a result of the addition of a full-time Human Resources Technician position

Public Safety

The overall budget for Public Safety has increased \$475,000 from the prior fiscal year due to an increase of costs charged by the Los Angeles County Sheriff's Department (LASD), including a 3.7% cost of living increase and a 3.5% increase for the Sheriff's Department liability trust fund for a total increase of 7.2%.

In the upcoming year, staff will be working with LASD to address this increase and how to curtail future increases that could greatly impact the City's budget. The City continues to use \$100,000 in grant funds to supplement law enforcement activities, which helps to offset the amount of General Funds used for this department.

Administrative Services

Changes to the Administrative Services budget provide for a net increase of \$202,000 as a result of:

- A decrease of \$80,000 in the CCCWWTF professional services – these costs will be covered in the Capital Improvement Project budget for Fiscal Year 2016-2017
- A \$5,000 decrease in Legacy Park Debt Service
- A decrease of \$59,000 in Legacy Park Operations due to the completion of the art enhancement project offset by increases in park maintenance
- A \$32,000 increase in Finance reflective of the addition of an Accounting Clerk position and an increase in Film Permit Services
- An increase of \$332,000 in Non-Departmental Services due to an increase in the City's required payment of Other Post-Employment Benefits and the annual CalPERS liability payment and an increase in the allocation for Information Systems. In addition, \$60,000 has been added to reflect a major rate increase in the Joint Use Agreement with the Santa Monica-Malibu Unified School District
- An increase in Information Systems for professional services of \$60,000 offset by a decrease due to the transfer of staff to Media Operations for a net increase of \$16,000
- A \$24,000 increase in City Hall
- A \$60,000 decrease in debt service for the Carbon Beach Undergrounding and the Broad Beach Undergrounding budgets

Parks and Recreation

The Parks and Recreation budget for Fiscal Year 2016-2017 has increased a net amount of \$79,000 due to:

- A decrease of a total of \$55,000 in General Recreation, Aquatics, Outdoor Recreation, Day Camp and Community Classes
- An increase of \$3,600 in Youth Sports
- An increase of \$12,000 in Senior Adult Programs for additional part-time staffing
- An increase of \$96,000 in Park Maintenance for deferred maintenance improvements at Bluffs Park and Trancas Canyon Park

- A \$20,000 increase in Special Events to reflect additional contract personnel for City events

Environmental Sustainability

The budget for the Environmental Sustainability Department has increased \$107,000 for Fiscal Year 2016-2017 compared with the prior year budget as a result of:

- An increase of \$211,000 in Building Safety for Professional Services for additional plan check services and database services
- A \$73,000 decrease in Wastewater Management comprised of a decrease in salaries and benefits and professional services
- A net decrease of \$16,000 in Clean Water due to the completion of water conservation efforts offset by an increase of \$60,000 for the Integrated Monitoring Program
- A decrease of \$14,000 in Solid Waste Management

Planning

The Planning Department's budget has increased \$240,000 due to:

- A \$232,000 increase in Planning Professional Services for overtime and contract planning services
- The budget for Code Enforcement has increased \$7,000

Public Works

The budget for Public Works has increased \$338,000 attributable to:

- Street Maintenance has increased \$54,000 as a result of a decrease in tree maintenance offset by increases in street maintenance, sidewalk maintenance (Point Dume) and equipment (entry signs)
- Fleet Operations has increased \$15,000 for the purchase of one new vehicle which will be funded by the Vehicle Fund
- Stormwater Treatment Facilities has decreased \$31,000 due to the completion of certain water monitoring expenses
- Public Works/Engineering has increased \$170,000 for additional staffing. The additional staffing will be funded from Los Angeles County Measure R funds
- A \$129,000 increase to the budgets for the three Landslide Maintenance Districts funded through special revenue

Pending Expenditures

On February 8, 2016, the Council discussed the various possible responses to the trial court's decision in the Measure R case. One of the proposals was to consider a City-initiated specific plan for the whole civic center area, a project that had been in

abeyance after the adoption of Measure R. Subsequently, the Council directed staff to include information on the cost of a City-initiated Civic Center Specific Plan as part of the budget process for the upcoming fiscal year.

The City has appealed the trial court's ruling in the Measure R lawsuit and the Court of Appeal granted the proponents' request that the trial court's decision be "stayed" while the appeal is pending. As a result, Measure R is currently in effect during the pendency of the appeal. Pursuant to the requirements of Measure R, if the City develops a Civic Center Specific Plan, the Plan will need to be presented to the voters for final approval. Once approved, a developer could subsequently produce a specific plan for an individual property that could have different requirements than the City's Specific Plan. If the subsequent plan is approved by the voters, the City's plan would be superseded. While specific plans always may have been initiated by property owners even without Measure R, the attendant risk of an election generally discouraged going to the voters to get around the City's General Plan. Given that Measure R requires a specific plan, there may be an incentive to at least attempt to get voter approval. Consequently, it might be an inefficient use of City funding to commence a Specific Plan prior to the knowing the outcome of the Measure R appeal.

The estimated cost for a consultant to develop a Civic Center Specific Plan including an Environmental Impact Report is approximately \$450,000. This amount has not been added to the Proposed Budget for Fiscal Year 2016-2017.

Capital Projects

The Capital Improvement Projects budget totals \$50.24 million for Fiscal Year 2016-2017, including:

Annual Street Overlay	\$ 625,000
Civic Center Wastewater Treatment Facility	\$ 47,372,466
PCH Regional Traffic Messaging System	\$ 300,000
PCH Intersection Improvements	\$ 631,185
PCH Median Improvements	\$ 350,000
Civic Center Way Improvements	\$ 300,000
Malibu Community Labor Exchange Trailer	\$ 125,000
PCH Signal Synchronization System	\$ 180,000
Speed Advisory Signs	\$ 50,000
Bus Stop Shelters	\$ 30,000
Paradise Cove Media Filters	\$ 45,000
Civic Center Storm Drain System Improvements	\$ 100,000
PCH Shoulder Enhancements	\$ 75,000
Marie Canyon Green Streets	\$ 25,000
Storm Drain Trash Screens	\$ 35,000

CCWWTF Project

The Proposed Budget includes \$47.37 million for the CCWWTF project. Funding for the CCWWTF project will be provided through an Assessment District (AD) with a combination of loans and grants from the State Revolving Fund (SRF) and bond financing issued by the AD. The City will be responsible for payments to the contractors and will be reimbursed by the SRF on a regular basis.

The City will be reimbursed for all costs associated with the CCWWTF project through the funding sources indicated above. Pursuant to the City's budgeting policies, unspent capital project funds will be rolled over each year until the project is completed.

Of the total \$50.24 million of capital expenditures, \$11.39 million is being funded from grants; \$455,000 from special revenue funds, \$100,000 from the Legacy Park Project Fund, \$37.81 million from State Revolving Fund Loans, and \$480,000 from the General Fund Capital Improvement Projects Designated Reserve.

Personnel

The proposed budget for Fiscal Year 2016-2017 provides for 87 full-time equivalent positions comprised of 72 full-time employees, the equivalent of 11 full-time employees working as part-time employees, and the equivalent of 4 full-time employees working as student interns. The total of 87 full-time equivalent positions is an increase of 5 full-time equivalent positions from the prior fiscal year.

The following personnel changes have been included in the proposed budget for Fiscal Year 2016-2017:

- Add: Human Resources Technician (Management Services): The City has historically had one staff person that manages all of the Human Resources functions. This staffing level has not changed, even while the City's overall staffing has increased. In the past ten years, the City has added 20 new full-time equivalent (FTE) positions, a Student Intern program, and has increased the number of part-time recreation staff, which has added to the overall Human Resources workload. While the City has had relatively low turnover in full-time positions, the Student Intern program and the part-time recreation staff equate to 50 people being processed through Human Resources each year. Additionally, increased requirements for disability-related absences, federal law compliance and CalPERS have increased the workload considerably. The addition of a new full-time Human Resources Technician will allow the City to effectively meet the increased workload.

This position will be funded by the General Fund. The net impact to the General Fund for Fiscal Year 2016-2017 is \$82,000.

- Add: Accounting Clerk (Administrative Services): Additional accounting staffing is needed to meet the increased workload in the Finance and Accounting Division. Currently, the Division has three full-time staff who manage all functions, including accounts payable, accounts receivable, payroll, budgeting, grants, debt management, audits, film permits, parking citations, and all other finance-related matters. The Division's workload has steadily increased over the past ten years as the City's General Fund has increased, staffing has increased, more capital projects are being done, and assessment districts and community facilities districts have been formed. The recent approval of the CCWWTF Assessment District will create a great deal of additional financial and accounting work. The addition of an Accounting Clerk will help provide additional financial management of the complex financing structure on the CCWWTF project and other City financial matters.

In Fiscal Year 2016-2017, this position will be funded by the General Fund with a net impact of \$69,000. In future fiscal years, funding from the CCWWTF AD administrative account will help offset the cost by \$25,000.

- Add: Associate Engineer (Public Works): The addition of this position is needed to assist the Public Works department with an increased work load due to the commencement of the CCWWTF project and an increase in LA County Measure R funded projects.

In Fiscal Year 2016-2017, the cost of this position will be \$113,000 and is funded by the CCWWTF Assessment District and Measure R funding. There is no impact to the General Fund for Fiscal Year 2016-2017 or Fiscal Year 2017-2018. In future fiscal years, it is anticipated that this position will be fully funded by LA County Measure R funding.

- Add: Assistant Engineer (Public Works). The addition of this position is necessary to assist with the increase in LA County Measure R projects. The new Assistant Engineer will be responsible for streamlining high priority public safety improvement projects and coordinating approval of projects through other agencies.

The total cost of this position will be \$98,000. In Fiscal Year 2016-2017, and in future fiscal years, this position will be funded from Los Angeles County Measure R funds. There is no impact to the General Fund from this position.

- Reclassification: Human Resources Analyst to Human Resources Manager (Management Services): This reclassification will allow the current Human Resources Analyst to supervise the new Human Resources Technician as explained in detail above.

- **Reclassification: Senior Accounting Technician to Financial Analyst (Finance):** This reclassification is necessary to address the increased accounting and financial work as explained in detail above.
- **Reclassification: Information Systems Administrator to Information Systems Manager.** In the past ten years, the number of individual users, servers and other information technology equipment has increased as the need for technology and reliance on information has increased. This reclassification is necessary to appropriately reflect the job requirements and skill set currently being provided by the incumbent position.
- **Change in Department: Assistant to the City Manager (Management Services):** This position was previously budgeted in the Public Works Department. The Proposed Budget includes moving the Assistant to the City Manager to Management Services and back filling the position in Public Works with an Administrative Analyst.

The City typically provides an annual cost of living adjustment to employees. The adjustment is derived from the Consumer Price Index (CPI) using an annual percentage from February. The percentage change of the CPI was 2.4% in February. A cost of living adjustment in the amount of 2% has been included in the proposed budget.

The City Manager has the authority to transfer staff into previously authorized classifications provided there is no fiscal impact as a result of the transfer.

General Fund Grant Program

The General Fund Grant Program has been funded with \$175,000 for the following grants:

American Tortoise Rescue	\$ 800*
Aurelia Foundation	\$ 5,000
Boys and Girls Club of Malibu Teen Center	\$ 40,000
California Wildlife Center	\$ 5,000
Children's Creative Workshop	\$ 2,000
Children's Lifesaving Foundation	\$ 8,400
Community Assistance Resource Team (CART)	\$ 2,000
Emily Shane Foundation	\$ 2,500
Friends of Malibu Urgent Care Center	\$ 3,500
Gan Malibu Early Childhood Center	\$ 1,000

Malibu Adamson House Foundation	\$ 2,000
Malibu Community Labor Exchange	\$ 30,000
Malibu High School - 7th Grade Core Teachers	\$ 1,000
Malibu High School PTSA - Straight Up Reality Party	\$ 1,800
Malibu High School PTSA - Safe and Sober Grad Night	\$ 4,000
Malibu High School - Shark Fund, The	\$ 10,000
Malibu Jewish Center & Synagogue (Hand in Hand)	\$ 6,000
Malibu Presbyterian Church	\$ 1,000
Meals on Wheels West	\$ 3,000
Nature of Wildworks	\$ 2,000
Ocean Park Community Center (OPCC)	\$ 38,000
Poison Free Malibu	\$ 2,500
SOS Community Outreach	\$ 1,000
Tales by the Sea	\$ 1,000
Young Actors Project	\$ 1,500
TOTAL	\$ 175,000

*Grant to American Tortoise Rescue can be used for veterinary bills only.

ATTACHMENTS

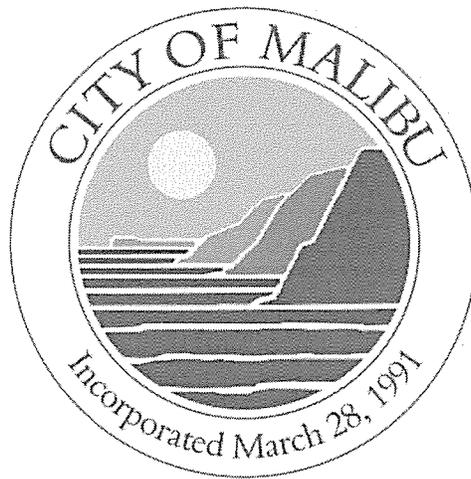
1. FY 2016-2017 Annual Budget
2. Annual Work Plan
3. Resolution No. 16-33 adopting the Annual Budget for FY 2016-2017
4. Resolution No. 16-34 approving the FY 2016-2017 Authorized Positions and Salary Ranges
5. Resolution No. 16-35 establishing the Appropriations Limit for FY 2016-2017

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City of Malibu, California

Proposed Budget

Fiscal Year 2016-2017



City Officials

Laura Rosenthal, Mayor
Lou La Monte, Mayor Pro Tem
John Sibert, Councilmember
Joan House, Councilmember
Skylar Peak, Councilmember

Reva Feldman, City Manager
Christi Hogin, City Attorney
Lisa Pope, City Clerk
Bonnie Blue, Planning Director
Robert Brager, Public Works Director
Craig George, Environmental Sustainability Director
Robert Stallings, Parks & Recreation Director

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SCHEDULE OF FUND BALANCES FY 2016-2017

Fund	Fund Balance July 1, 2016 (Projected)	Projected Revenues	Projected Expenditures	Transfers In/(Out)	Fund Balance June 30, 2017 (Projected)
General Fund - Undesignated	23,140,360	26,918,750	26,372,864	(355,000)	23,331,246
Designated for CIPs	125,000	-	-	(125,000)	-
Designated for Deferred Maintenance - City Facilities	1,056,016	-	-	-	1,056,016
Designated for Bluffs Park	1,000,000	-	-	-	1,000,000
Designated for Water Quality Settlement	250,000	-	-	-	250,000
Designated for CCWWTF - City Share	-	-	-	-	-
Designated for CCWWTF Phase II - Reimbursable	1,799,533	-	-	-	1,799,533
Total General Fund	\$ 27,370,909	\$ 26,918,750	\$ 26,372,864	\$ (480,000)	\$ 27,436,795
Gas Tax Fund	22,787	275,716	285,000	-	13,503
Traffic Safety Fund	32,289	300,500	273,000	(50,000)	9,789
Proposition A Fund	243,832	220,400	209,000	-	255,232
Proposition C Fund	14,388	175,400	-	(175,000)	14,788
Measure R Fund	22,025	130,300	-	(130,000)	22,325
Air Quality Management Fund	23,020	15,050	-	-	38,070
Solid Waste Management Fund	43,152	140,100	163,190	-	20,062
Parkland Development Fund	25,850	15,500	-	-	41,350
Quimby Fund	3,598	100	-	-	3,698
COPS (Brulte) Grant Fund	-	100,000	100,000	-	-
Community Development Block Grant	-	106,979	6,979	(100,000)	-
Grants Fund	-	11,604,894	212,000	(11,392,894)	-
Civic Center Wastewater Treatment Facility CFD	-	-	-	-	-
Civic Center Wastewater Treatment Facility AD	-	37,815,757	-	(37,815,757)	-
Big Rock Mesa LMD Fund	232,982	284,611	416,361	-	101,232
Malibu Road LMD Fund	20,852	51,599	60,122	-	12,329
Calle Del Barco LMD Fund	98,327	42,161	81,638	-	58,850
Carbon Beach Undergrounding CFD Fund	-	240,657	240,657	-	-
Broad Beach Assessment District	-	140,755	140,755	-	-
Total Special Revenue Funds	\$ 783,102	\$ 51,660,479	\$ 2,188,702	\$ (49,663,651)	\$ 591,228
Capital Improvements Fund	-	-	50,243,651	50,243,651	-
Capital Improvements Fund	\$ -	\$ -	\$ 50,243,651	\$ 50,243,651	\$ -
Legacy Park Project Fund	781,290	2,151,219	2,078,885	(100,000)	753,624
Total Legacy Fund	\$ 781,290	\$ 2,151,219	\$ 2,078,885	\$ (100,000)	\$ 753,624
Vehicle Fund	38,556	60,000	86,000	-	12,556
Information Technology Fund	22,224	470,500	488,294	-	4,430
Total Internal Service Funds	\$ 60,780	\$ 530,500	\$ 574,294	\$ -	\$ 16,985
Total All Funds	\$ 28,996,081	\$ 81,260,948	\$ 81,458,396	\$ -	\$ 28,798,633

SCHEDULE OF TRANSFERS 2016-2017

Fund	Transfers In	Transfers (Out)	Description	Reference
<i>General Fund - CIP Designated</i>		(480,000)		
Capital Improvements	270,000		Annual Street Overlay	9002
Capital Improvements	25,000		Malibu Community Labor Exchange Trailer	9065
Capital Improvements	50,000		Speed Advisory Signs	9067
Capital Improvements	30,000		Bus Stop Shelters	9068
Capital Improvements	45,000		Paradise Cove Media Filters	9069
Capital Improvements	25,000		Marie Canyon Green Streets	9072
Capital Improvements	35,000		Stromdrain Trash Screen Improvements	9073
<i>Traffic Safety Fund</i>		(50,000)		
<i>Measure R Fund</i>		(130,000)		
<i>Proposition C</i>		(175,000)		
Capital Improvements	355,000		Annual Street Overlay	9002
<i>Grants Fund</i>		(11,604,894)		
<i>AD 2015-1 State Revolving Fund Loan Grant</i>	9,556,709		CCWWTF Phase II - Reimbursable	9049
Measure R Highway Operational Improvements Funds	1,836,185		Capital Improvements	310
Measure R Highway Operational Improvements Funds	212,000		General Fund - Salaries and Benefits	3008
<i>CDBG Fund</i>		(100,000)		
Capital Improvements	100,000		Malibu Community Labor Exchange Trailer	9065
<i>AD 2015-1 State Revolving Fund Loan Wastewater</i>		(37,815,757)		
Capital Improvements	37,815,757		CCWWTF Phase II - Reimbursable	9049
<i>Legacy Park Project Fund</i>		(100,000)		
Capital Improvements	100,000		Civic Center Stormdrain System Improvements	9070
Totals	\$50,455,651	\$(50,455,651)		

REVENUE SUMMARY BY FUND

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
100 and 101 General Fund					
	Revenue From Property Taxes	10,349,624	10,215,000	10,972,776	10,990,000
	Revenue From Other Taxes	10,001,004	9,660,000	9,900,047	10,025,000
	Revenue From Licenses and Permits	2,775,538	2,527,300	3,086,764	2,742,000
	Revenue From Fines and Forfeitures	499,502	400,000	491,156	475,000
	Revenue From Other Governments	409,674	184,165	189,384	75,000
	Revenue From Service Charges	2,428,878	2,283,000	3,039,229	2,458,750
	Use of Money and Property	100,486	65,000	94,107	80,000
	Miscellaneous Revenue	300,466	73,000	26,402	73,000
Total General Fund		\$ 26,865,172	\$ 25,407,465	\$ 27,799,866	\$ 26,918,750
201 Gas Tax Fund					
202 Traffic Safety Fund					
203 Proposition A Fund					
204 Proposition C Fund					
205 Measure R Fund					
206 Air Quality Management Fund					
207 Solid Waste Management Fund					
208 Parkland Development Fund					
209 Quimby Fund					
211 COPS (Brulte) Grant Fund					
215 Community Development Block Grant Fund					
217 Office of Traffic Safety Grant Fund					
225 Grants Fund					
290 Big Rock Mesa LMD Fund					
291 Malibu Road LMD Fund					
292 Calle Del Barco LMD Fund					
712 Carbon Beach Undergrounding CFD Fund					
713 Broad Beach Assessment District					
714 Civic Center Wastewater Treatment Facility CFD					
715 Civic Center Wastewater Treatment Facility AD					
Total Special Revenue Funds		\$ 6,488,242	\$ 53,164,816	\$ 7,188,126	\$ 51,660,479
500 Legacy Park Fund					
Total Legacy Park Project Fund		\$ 2,039,705	\$ 1,974,235	\$ 2,146,562	\$ 2,151,219
601 Vehicle Fund					
602 Information Technology Fund					
Total Internal Service Funds		\$ 445,007	\$ 535,500	\$ 535,500	\$ 530,500
Total Revenue - All Funds		\$ 35,838,126	\$ 81,082,016	\$ 37,670,054	\$ 81,260,948

REVENUE DETAIL BY FUND

Object	Description	2014-15	2015-16	2015-16	2016-17
		Actual	Adopted	Projected	Proposed
100 and 101 General Fund					
3111	Current Year Secured Property Tax	8,403,232	8,300,000	8,900,000	8,900,000
3112	Current Year Unsecured Property Tax	351,389	300,000	352,196	350,000
3113	Homeowner's Exemption	62,455	60,000	60,000	60,000
3114	Prior Year Secured Property Tax	-	20,000	10,000	10,000
3115	Prior Year Unsecured Property Tax	10,039	10,000	10,000	10,000
3118	Property Tax In-Lieu	1,522,509	1,525,000	1,640,580	1,660,000
	Revenue From Property Taxes	10,349,624	10,215,000	10,972,776	10,990,000
3131	Documentary Transfer Tax	824,812	600,000	594,542	650,000
3132	Utility User's Tax	2,577,494	2,485,000	2,500,000	2,500,000
3133	Transient Occupancy Tax - Hotels and Motels	1,277,269	1,250,000	1,011,363	1,250,000
3133-01	Transient Occupancy Tax - Private Rentals	706,214	550,000	1,015,859	900,000
3134	Franchise Fees	795,141	775,000	775,000	775,000
3137	Sales and Use Tax	3,453,822	3,450,000	3,450,000	3,600,000
3137-01	Sales and Use Tax - One Time Triple Flip Payment	-	240,000	240,000	-
3138	Parking Tax	366,252	310,000	313,283	350,000
	Revenue From Other Taxes	10,001,004	9,660,000	9,900,047	10,025,000
3201	Alarm Permits	30,772	25,000	32,559	30,000
3202	Film Permits	535,071	450,000	529,191	475,000
3203	Building Permits	484,853	500,000	591,311	550,000
3203-01	Special Investigation Fees	19,019	15,000	14,433	20,000
3204	Wastewater Treatment System Permits	33,375	30,000	27,112	35,000
3205	Plumbing Permits	86,199	80,000	96,269	90,000
3207	Mechanical Permits	59,098	60,000	69,453	60,000
3208	Electrical Permit Fees	111,822	110,000	130,336	120,000
3209	Grading/Drainage Permit Fees	59,838	45,000	52,549	60,000
3210	Miscellaneous Permits	28,552	30,000	26,768	30,000
3418	OWTS Operating Permit Fees	328,430	230,000	348,739	320,000
3420	Parking Permits	2,614	2,300	1,754	2,000
3421	Planning Review Fees	995,895	950,000	1,166,290	950,000
	Revenue From Licenses and Permits	2,775,538	2,527,300	3,086,764	2,742,000
3250	Parking Citation Fines	499,502	400,000	491,156	475,000
	Revenue From Fines and Forfeitures	499,502	400,000	491,156	475,000
3314	State Mandated Cost Reimbursement	330,191	78,540	78,540	10,000
3316	Motor Vehicle In-Lieu Fees	5,641	-	5,219	-
3318	Street Sweeping Reimbursements	51,678	40,000	40,000	40,000
3373	Proposition A Recreation	22,164	65,625	65,625	25,000
	Revenue From Other Governments	409,674	184,165	189,384	75,000
3408	Biology Review Fees	83,056	80,000	98,639	80,000
3409	Document Retention Fees	12,205	12,000	13,053	12,000
3410	Building Plan Check Fees	304,924	250,000	499,031	340,000
3410-01	Administrative Plan Check Processing Fee	17,507	15,000	23,885	20,000
3411	Inspector Plan Check Fees	218,440	210,000	218,030	210,000
3412	Geo Soils Engineering Fees	467,514	425,000	533,749	450,000
3413	Other Plan Check Fees	29,734	30,000	47,687	30,000
3414	Environmental Health Review Fees	206,664	210,000	326,153	250,000
3415	Grading/Drainage Plan Review Fees	41,652	35,000	37,392	35,000
3416	Code Enforcement Investigation Fees	10,474	5,000	11,055	10,000
3419	Credit Card Fees	17,172	15,000	20,786	15,000
3422	OWTS Practitioners Fees	2,717	2,500	19,152	2,500
3425	CA Building Standards Commission Fee	229	1,000	529	1,000

REVENUE DETAIL BY FUND

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
General Fund (Continued)					
3426	EIR Review Fee	3,306	50,000	28,655	50,000
3427	Technology Enhancement Fee	8,736	8,500	9,763	8,500
3431	Public Works/Engineering Fees	190,260	185,000	365,159	250,000
3432	SUSMP Fees	13,421	13,000	15,315	13,000
3433	Banner Hanging Fees	170	500	502	500
3434	TOT Registration Fees	1,125	750	682	500
3435	Administrative Permit Processing Fees	69,454	65,000	72,661	65,000
3436	Electric Vehicle Charger Fees	-	15,000	-	15,000
3441	Sale of Publications and Materials	9,979	9,000	6,747	9,000
3443	Emergency Preparedness Charges	1,910	1,500	2,220	1,500
3444	Returned Check Service Fees	288	250	224	250
3446	Vehicle Release Impound Fees	16,200	30,000	8,149	20,000
3447	Election Fees	20,371	65,500	68,727	2,500
3448	Subpoena Fees	4,649	2,500	2,788	2,500
3449	False Alarm Service Charge	12,642	10,000	16,065	12,000
3450	Residential Decals	475	1,000	665	500
3451	Passport Processing Fees	50,905	40,000	43,653	40,000
3461	Municipal Facility Use Fees	103,193	63,000	76,008	63,000
3464	Youth Sports Program	94,754	78,000	99,134	80,000
3465	Teen Program	13,202	11,000	9,693	11,500
3466	Aquatics Program	138,396	125,000	137,054	140,000
3467	Day Camp	118,642	85,000	88,657	84,000
3468	Senior Adult Program	19,295	20,000	24,712	21,000
3470	Recreation/Community Class Registration	111,689	100,000	98,396	100,000
3472	Special Events	13,528	13,000	14,458	13,000
	Revenue From Service Charges	2,428,878	2,283,000	3,039,229	2,458,750
3501	Interest Earnings	76,152	50,000	64,604	60,000
3505	City Hall Use Fees	24,334	15,000	29,504	20,000
	Use of Money and Property	100,486	65,000	94,107	80,000
3600	Proceeds From Grants	192,811	50,000	-	50,000
3901	Settlements	72,481	5,000	6,767	5,000
3902	Legal Fees	100	2,500	2,500	2,500
3904	TOT Private Rental Penalties	18,111	5,000	5,917	5,000
3905	Miscellaneous Reimbursements	13,424	5,000	5,718	5,000
3940	Sale of Surplus Property	-	500	500	500
3943	Miscellaneous Revenue	3,539	5,000	5,000	5,000
	Miscellaneous Revenue	300,466	73,000	26,402	73,000
Total General Fund		\$ 26,865,172	\$ 25,407,465	\$ 27,799,866	\$ 26,918,750

REVENUE DETAIL BY FUND

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
Special Revenue Funds					
201 Gas Tax Fund					
3315	Highway User's Fees	348,896	301,356	297,876	275,216
3501	Interest Earning	1,382	100	500	500
	Total Gas Tax Fund	350,278	301,456	298,376	275,716
202 Traffic Safety Fund					
3312	Fines & Forfeitures	301,595	350,000	350,000	300,000
3501	Interest Earnings	1,676	200	500	500
	Total Traffic Safety Fund	303,271	350,200	350,500	300,500
203 Proposition A Fund					
3371	Prop A Funds	249,281	215,000	215,000	220,000
3501	Interest Earnings	696	100	400	400
	Total Proposition A Fund	249,977	215,100	215,400	220,400
204 Proposition C Fund					
3372	Prop C Funds	187,841	175,000	175,000	175,000
3501	Interest Earnings	449	200	400	400
	Total Proposition C Fund	188,290	175,200	175,400	175,400
205 Measure R Fund					
3374	Measure R Annual Allocation	140,496	130,000	130,000	130,000
3501	Interest Earnings	600	250	250	300
	Total Measure R Fund	141,096	130,250	130,250	130,300
206 Air Quality Management Fund					
3377	AQMD Funds	15,962	15,000	15,000	15,000
3501	Interest Earnings	60	50	50	50
	Total Air Quality Management Fund	16,022	15,050	15,050	15,050
207 Solid Waste Management Fund					
3311	Solid Waste Management Surcharge	120,678	120,000	120,000	120,000
3434	Recycling Fees	17,173	15,000	15,000	15,000
3501	Interest Earnings	68	100	100	100
3600	Grant Proceeds	12,419	5,000	5,000	5,000
	Total Solid Waste Management Fund	150,338	140,100	140,100	140,100
208 Parkland Development Fund					
3135	Parkland Development Fees	18,850	15,000	15,084	15,000
3501	Interest Earnings	1,027	250	250	500
	Total Parkland Development Fund	19,877	15,250	15,334	15,500
209 Quimby Fund					
3501	Interest Earnings	112	100	100	100
	Total Quimby Fund	112	100	100	100
211 COPS (Brulte) Grant Fund					
3600	Proceeds From Grants (Brulte)	106,230	114,618	114,618	100,000
	Total COPS (Brulte) Fund	106,230	114,618	114,618	100,000

REVENUE DETAIL BY FUND

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
Special Revenue Funds (Continued)					
215 Community Development Block Grant Fund					
3600	Proceeds From Grants	7,043	106,935	6,935	106,979
	Total Comm. Dev. Block Grant Fund	7,043	106,935	6,935	106,979
217 Traffic Safety Grant Fund					
3600	Proceeds From Grants	88,700	35,550	35,550	-
	Office of Traffic Safety Grant Fund	88,700	35,550	35,550	-
225 Grants Fund					
3376	TDA	13,598	-	-	-
3600	Proceeds From Grants	4,063,263	11,440,834	784,649	11,604,894
	Total Grants Fund	4,076,861	11,440,834	784,649	11,604,894
290 Big Rock LMD Fund					
3116	Big Rock Mesa Assessment	276,089	281,014	281,014	284,311
3501	Interest Earnings	869	300	300	300
	Total Big Rock LMD Fund	276,958	281,314	281,314	284,611
291 Malibu Road LMD Fund					
3116	Malibu Road Assessment	46,864	50,951	50,951	51,549
3501	Interest Earnings	61	10	10	50
	Total Malibu Road LMD Fund	46,925	50,961	50,961	51,599
292 Calle Del Barco LMD Fund					
3116	Calle Del Barco Assessment	42,795	31,982	31,982	41,961
3501	Interest Earnings	492	200	200	200
	Total Calle Del Barco LMD Fund	43,287	32,182	32,182	42,161
712 Carbon Beach Undergrounding CFD					
3915	Carbon Beach Undergrounding Assessment	288,887	287,244	287,244	240,657
3501	Interest Earnings	21	-	-	-
	Total Carbon Beach Undergrounding CFD	288,908	287,244	287,244	240,657
713 Broad Beach Assessment District					
3915	Broad Beach Undergrounding Assessment	134,056	154,163	154,163	140,755
3501	Interest Earnings	13	-	-	-
	Total Broad Beach Undergrounding AD	134,069	6	154,163	140,755
714 Civic Center Wastewater Treatment Facility CFD					
3915	Bond Proceeds CFD 2012-1	-	-	-	-
	Total Civic Ctr Wastewater Treatment Facility CFD	-	-	-	-
715 Civic Center Wastewater Treatment Facility AD					
3915	AD Proceeds 2015-1	-	39,472,466	4,100,000	37,815,757
	Total Civic Ctr Wastewater Treatment Facility AD	-	39,472,466	4,100,000	37,815,757
Total Special Revenue Funds		\$ 6,488,242	\$ 53,164,816	\$ 7,188,126	\$ 51,660,479

REVENUE DETAIL BY FUND

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
500 Legacy Park Project Fund					
3501	Interest Earnings	9,676	2,500	5,000	5,000
3505	Proceeds From Rent	1,958,960	1,931,735	2,101,562	2,096,219
3903	Donations	-	-	-	-
3905	Miscellaneous Revenue	71,069	40,000	40,000	50,000
Total Legacy Park Project Fund		2,039,705	1,974,235	2,146,562	2,151,219
Total Legacy Park Project Fund		\$ 2,039,705	\$ 1,974,235	\$ 2,146,562	\$ 2,151,219
601 Vehicle Fund					
3501	Interest Earnings	7	-	-	-
3951	Vehicle Charges	60,000	60,000	60,000	60,000
Total Vehicle Fund		60,007	60,000	60,000	60,000
602 Information Technology Fund					
3952	Information Technology Charges	385,000	475,500	475,500	470,500
Total Information Technology Fund		385,000	475,500	475,500	470,500
Total Internal Service Funds		\$ 445,007	\$ 535,500	\$ 535,500	\$ 530,500
Total Revenue - All Funds		\$ 35,838,126	\$ 81,082,016	\$ 37,670,054	\$ 81,260,948

EXPENDITURE SUMMARY BY FUND

Fund	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
General Fund	\$ 23,998,593	\$ 25,805,505	\$ 24,880,051	\$ 26,852,864
Special Revenue Funds				
Gas Tax Fund	500,000	335,000	310,000	285,000
Traffic Safety Fund	528,000	463,000	363,000	323,000
Proposition A Fund	181,436	208,000	176,138	209,000
Proposition C Fund	160,000	200,000	200,000	175,000
Measure R Fund	200,000	125,000	125,000	130,000
Air Quality Management Fund	-	20,000	20,000	-
Solid Waste Management Fund	132,745	167,363	135,022	163,190
Parkland Development In-Lieu Fund	260,000	-	-	-
Quimby Fund	25,000	-	-	-
COPS (Brulte) Fund	106,230	114,618	114,618	100,000
Community Development Block Grant Fund	7,043	106,935	6,935	106,979
Office of Traffic Safety Grant Fund	88,700	35,550	35,550	-
Grants Fund	4,275,431	11,440,834	784,649	11,604,894
Big Rock Mesa LMD Fund	266,922	308,707	263,712	416,361
Malibu Road LMD Fund	43,195	52,971	44,371	60,122
Calle Del Barco LMD Fund	56,891	66,605	48,618	81,638
Carbon Beach Undergrounding CFD Fund	283,023	287,244	287,244	240,657
Broad Beach Undergrounding AD	392,952	154,163	154,163	140,755
Civic Center Wastewater CFD	-	-	-	-
Civic Center Wastewater AD	-	39,472,466	4,100,000	37,815,757
Total Special Revenue Funds	\$ 7,507,568	\$ 53,558,456	\$ 7,169,020	\$ 51,852,353
Legacy Park Project Fund				
Legacy Park Project Fund	1,947,406	2,242,970	2,137,521	2,178,885
Legacy Park Project Fund	\$ 1,947,406	\$ 2,242,970	\$ 2,137,521	\$ 2,178,885
Internal Service Funds				
Vehicle Fund	37,926	51,000	38,447	86,000
Information Technology Fund	404,820	471,759	446,017	488,294
Total Internal Service Funds	\$ 442,746	\$ 522,759	\$ 484,464	\$ 574,294
Total All Funds	\$ 33,896,313	\$ 82,129,690	\$ 34,671,056	\$ 81,458,396

EXPENDITURE SUMMARY BY DEPARTMENT

Department	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
General Fund				
Management Services				
7001 City Council	435,308	530,344	525,366	526,550
7002 Media Operations	217,658	289,058	293,420	335,785
7003 City Manager	607,161	581,760	561,548	710,362
7005 Legal Counsel	982,290	649,777	808,080	705,273
7007 City Clerk	382,016	556,960	492,508	578,089
7058 Human Resources	145,384	154,590	152,922	251,193
Total Management Services	\$ 2,769,817	\$ 2,762,489	\$ 2,833,844	\$ 3,107,252
Public Safety				
7021 Emergency Preparedness	207,812	209,416	207,521	212,008
7031 Public Safety	6,422,577	6,706,272	6,705,456	7,193,949
Total Public Safety	\$ 6,630,389	\$ 6,915,688	\$ 6,912,977	\$ 7,405,958
Administrative Services				
3010 Civic Center Wastewater Treatment Facility	-	206,000	62,557	126,000
7054 Finance	1,146,310	1,132,030	1,151,922	1,164,675
7059 Non-Departmental Services	1,508,267	1,708,649	1,639,411	2,041,614
9050 City Hall	2,510,888	2,352,664	2,257,792	2,376,743
Total Administrative Services	\$ 5,165,465	\$ 5,399,343	\$ 5,111,682	\$ 5,709,031
Parks and Recreation				
4001 General Recreation	647,131	888,689	689,348	848,620
4002 Aquatics	226,063	271,477	258,300	265,326
4003 Outdoor Recreation	48,688	43,994	43,125	41,624
4004 Day Camp	111,676	95,793	94,150	94,979
4006 Youth Sports	120,025	124,004	127,480	127,677
4007 Tiny Tots	133,385	158,893	138,725	153,371
4008 Senior Adults	136,200	136,471	133,962	148,984
4009 Teens	64,004	68,340	63,863	69,322
4010 Park Maintenance	655,519	736,155	677,153	832,252
4011 Special Events	196,626	199,242	202,044	219,622
Total Parks & Recreation	\$ 2,339,317	\$ 2,723,058	\$ 2,428,149	\$ 2,801,776
Environmental Sustainability Department				
2004 Environmental & Building Safety	1,696,555	1,578,494	1,716,167	1,790,105
2010 Wastewater Management	599,506	742,631	706,377	669,091
3003 Clean Water Program	304,373	186,881	148,041	245,159
Total Environmental Sustainability	\$ 2,600,434	\$ 2,508,006	\$ 2,570,586	\$ 2,704,355
Planning Department				
2001 Planning	1,921,807	2,359,812	2,090,752	2,592,536
2012 Code Enforcement	200,462	217,770	209,787	225,486
Total Planning Department	\$ 2,122,269	\$ 2,577,582	\$ 2,300,539	\$ 2,818,022
Public Works				
3001 Street Maintenance	450,141	631,579	626,289	875,961
3007 City Facilities	18,548	44,000	14,412	13,000
3008 Public Works	690,554	943,538	906,352	937,510
Total Public Works	\$ 1,159,243	\$ 1,619,117	\$ 1,547,054	\$ 1,826,471
Total General Fund	\$ 22,786,934	\$ 24,505,283	\$ 23,704,829	\$ 26,372,864

EXPENDITURE SUMMARY BY DEPARTMENT

Department	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
Special Revenue Funds				
3001 Street Maintenance	815,000	720,000	595,000	530,000
3004 Solid Waste Management	132,745	147,363	115,022	133,190
3005 Fleet Operations - AQMD	-	20,000	20,000	-
3008 Public Works	146,700	93,550	93,550	270,000
3009 Transportation Services	181,436	208,000	176,138	209,000
6002 Big Rock Mesa LMD	266,922	308,707	263,712	416,361
6003 Malibu Road LMD	43,195	52,971	44,371	60,122
6004 Calle Del Barco LMD	56,891	66,605	48,618	81,638
9048 Carbon Beach Undergrounding CFD	283,023	287,244	287,244	240,657
9052 Broad Beach Undergrounding AD	392,952	154,163	154,163	140,755
9049 Civic Center Wastewater Treatment CFD	-	-	-	-
7031 Public Safety	106,230	114,618	114,618	100,000
7070 Community Development Block Grant (CDBG)	7,043	6,935	6,935	6,979
Total Special Revenue Funds	\$ 2,432,137	\$ 2,180,156	\$ 1,919,371	\$ 2,188,702

Capital Project Funds				
9002 Annual Street Overlay	724,147	699,469	699,469	625,000
9025 Las Flores Creek Restoration	794,135	473,082	473,082	-
9049 Civic Center Wastewater Treatment Facility	866,055	48,497,466	4,125,000	47,372,466
9053 Broad Beach Biofiltration Project	1,766,648	108,118	108,118	-
9054 Wildlife Road Treatment	146,884	83,329	83,329	-
9055 PCH Bike Route Improvements	1,099,995	425,548	425,548	-
9056 Kanan Dume Arrester Bed Improvements	424,583	-	-	-
9057 PCH Regional Traffic Messaging System	-	300,000	-	300,000
9058 PCH Intersection Improvements	98,932	656,185	25,000	631,185
9059 PCH Median Improvements	-	400,000	50,000	350,000
9060 PCH Bus Stop Improvements	316,480	19,066	19,066	-
9061 Civic Center Way Improvements	-	375,000	75,000	300,000
9062 Civic Center Pump Station Improvements	5,490	-	-	-
9063 Biofiltration Devices-Las Flores Cyn & Malibu Road	43,741	156,259	156,259	-
9065 Malibu Community Labor Exchange Trailer	-	100,000	-	125,000
9066 PCH Signal Synchronization System Improvements	-	150,000	75,000	180,000
9067 Speed Advisory Signs	-	100,000	50,000	50,000
9068 Bus Stop Shelters	-	60,000	30,000	30,000
9069 Paradise Cove Media Filters	-	75,000	30,000	45,000
9070 Civic Center Stormdrain Improvements	-	25,000	25,000	100,000
9071 PCH Shoulder Enhancements	-	-	-	75,000
9072 Marie Canyon Green Streets	-	-	-	25,000
9073 Stormdrain Trash Screens	-	-	-	35,000
Total Capital Project Funds	\$ 6,287,090	\$ 52,703,522	\$ 6,449,871	\$ 50,243,651

EXPENDITURE SUMMARY BY DEPARTMENT

Department	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
Legacy Park Fund				
3003 Clean Water Program	330,000	375,000	375,000	300,000
3007 Stormwater Treatment Facilities	175,000	300,000	220,000	300,000
7004 Legacy Park Debt Service	1,139,995	1,099,220	1,099,220	1,094,135
7008 Legacy Park Operations	302,411	443,750	418,301	384,750
Total Legacy Park Project Fund	\$ 1,947,406	\$ 2,217,970	\$ 2,112,521	\$ 2,078,885
Internal Service Funds				
601 Vehicle Fund	37,926	51,000	38,447	86,000
602 Information Systems Fund	404,820	471,759	446,017	488,294
Total Internal Service Funds	\$ 442,746	\$ 522,759	\$ 484,464	\$ 574,294
Total All Funds	\$ 33,896,313	\$ 82,129,690	\$ 34,671,056	\$ 81,458,396

MANAGEMENT SERVICES

Department Expenditures by Program

Department	Program	2014-15 Actual	2015-16 Budgeted	2015-16 Projected	2016-17 Proposed
7001	City Council	435,308	530,344	525,366	526,550
7002	Media Operations	217,658	289,058	293,420	335,785
7003	City Manager	607,161	581,760	561,548	710,362
7005	City Attorney	982,290	649,777	808,080	705,273
7007	City Clerk	382,016	556,960	492,508	578,089
7058	Human Resources	145,384	154,590	152,922	251,193
Total		\$ 2,769,817	\$ 2,762,489	\$ 2,833,844	\$ 3,107,252

CITY COUNCIL

The City of Malibu is a general law city and operates under the Council-Manager form of government. The five-member City Council is elected at-large to serve four-year terms. The Mayor's office is rotated among all Councilmembers. As elected officials, the City Councilmembers represent the citizens of Malibu in the governing process and act on their behalf with regards to regional and local issues, as well as state and federal legislation.

The City Council is the legislative authority and sets the policies under which the City operates. Duties of the City Council include enacting legislation, such as local laws and ordinances, approving City programs, adopting the City's budget and appropriating the funds necessary to provide service to the City's residents, businesses and visitors. The City Council provides leadership through policy development regarding the current practices and future direction of the City.

The City Council convenes regular meetings on the second and fourth Mondays of each month and holds occasional special meetings. The City Council appoints the City Manager, City Attorney and City Treasurer, as well as the members of the City's Boards, Commissions and Committees.

In Fiscal Year 2016-2017, the City Council's budget contains \$150,000 for legislative consulting services. The Community Grants line item is budgeted at \$130,000 for the General Fund Grants program awarded by the City Council to non-profit community groups providing services for the benefit of Malibu residents.

The Council's travel budget of \$30,000 consists of \$10,000 for the Mayor and \$5,000 for each of the four Councilmembers. City Councilmembers are increasing their presence and influence on several state issues that affect Malibu. Currently, Councilmembers sit on several state and local committees, including the League of California Cities Community and Economic Development Committee, the Environmental Quality Policy Committee, the Water Task Force, and the Coastal Cities Issue Group, as well as the Contract Cities of California Governing Board and the Santa Monica Bay Restoration Commission Governing Board. This increasing presence required additional funding in the line item for travel and training.

The Memberships and Dues budget includes costs related to the City's membership in the Las Virgenes-Malibu Council of Governments (COG), the League of California Cities, the California Contract Cities Association, the Southern California Association of Governments (SCAG) and the California Coastal Coalition.

The Events budget covers expenses related to City Council events including the Council reorganization, ribbon cuttings and the holiday open house.

EXPENDITURE DETAIL

Fund 100 - General
Program 7001 - City Council

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4102	Part-Time Salaries	35,239	33,941	33,941	33,941
4201	Retirement	3,937	3,330	3,330	3,372
4202	Health Insurance	46,898	50,560	50,560	51,732
4203	Vision Insurance	1,046	1,050	1,050	1,067
4204	Dental Insurance	5,844	5,844	5,844	5,844
4205	Life Insurance	830	772	772	772
4209	Disability Insurance	332	333	333	333
4210	Other	640	1,014	1,014	991
Total Salaries & Benefits		\$ 94,766	\$ 96,844	\$ 96,844	\$ 98,050
5104	Legislative Services	150,000	150,000	150,000	150,000
5300	Travel & Training	16,101	30,000	30,000	30,000
5330	Dues & Memberships	32,323	34,000	34,000	34,000
5721	Cellular Data	-	2,000	912	2,000
5930	Community Grants	115,000	126,000	126,000	175,000
6160	Operating Supplies	2,658	2,500	3,610	5,000
6170	Events	3,349	66,500	66,500	10,000
6201	Community Rewards	-	5,000	-	5,000
Total Operating & Maintenance		\$ 319,431	\$ 416,000	\$ 411,022	\$ 411,000
7800	Equipment	3,611	-	-	-
Total Capital Outlay		\$ 3,611	\$ -	\$ -	\$ -
8500	Information Systems Allocation	17,500	17,500	17,500	17,500
Total Internal Service Charges		\$ 17,500	\$ 17,500	\$ 17,500	\$ 17,500
Total Expenditures		\$ 435,308	\$ 530,344	\$ 525,366	\$ 526,550
Source of Funds					
General Fund 100		435,308	530,344	525,366	526,550
Total Source of Funds		\$ 435,308	\$ 530,344	\$ 525,366	\$ 526,550

MEDIA OPERATIONS

Media Operations is responsible for the management and development of the City's communications and public relations through the use of traditional media outlets, the internet and social media. This division also oversees the City's website, filming and coordinates special events.

The City of Malibu maintains Malibu City TV, which is also available for viewing on the City's website. Programming includes live and tape-delay broadcasts of City Council and Planning Commission meetings, Mayor and City Councilmember programming and information regarding community events.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Media Information Officer	1.00	1.00	1.00
Media and Technology Technician	1.50	1.50	2.00
Graphic Design Intern	0.00	0.50	0.50
Total	2.50	3.00	3.50

EXPENDITURE DETAIL

Fund 100 - General

Program 7002 - Media Operations

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	135,221	149,452	149,452	183,268
4102	Part-Time Salaries	4,799	9,646	13,879	13,092
4104	Overtime	1,628	1,000	1,000	1,000
4201	Retirement	15,177	15,286	15,286	18,234
4202	Health Insurance	22,429	24,578	24,578	28,740
4203	Vision Insurance	246	255	255	306
4204	Dental Insurance	2,098	2,174	2,174	2,490
4205	Life Insurance	313	321	321	376
4209	Disability Insurance	1,378	1,465	1,465	1,796
4210	Other	4,953	7,381	7,381	8,982
Total Salaries & Benefits		\$ 188,242	\$ 211,558	\$ 215,791	\$ 258,285
5100	Professional Services	634	5,000	6,425	5,000
5107	Contract Personnel	-	2,000	1,000	2,000
5300	Travel & Training	90	2,500	2,500	2,500
5330	Dues & Memberships	160	500	200	500
5340	Transportation & Mileage	-	500	500	500
5401	Advertising & Noticing	114	3,500	3,500	3,500
5405	Printing	-	3,000	3,000	3,000
5640	Equipment Maintenance	290	4,000	2,000	4,000
6160	Operating Supplies	2,052	5,000	4,000	5,000
6165	Website Services	11,476	11,000	14,790	11,000
6170	Events	-	1,000	1,000	1,000
6200	Publications	-	500	500	500
Total Operating & Maintenance		\$ 14,816	\$ 38,500	\$ 39,415	\$ 38,500
7600	Other Equipment	600	10,000	11,214	10,000
7800	Equipment	-	15,000	13,000	15,000
Total Capital Outlay		\$ 600	\$ 25,000	\$ 24,214	\$ 25,000
8500	Information Systems Allocation	14,000	14,000	14,000	14,000
Total Internal Service Charges		\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000
Total Expenditures		\$ 217,658	\$ 289,058	\$ 293,420	\$ 335,785
Source of Funds					
General Fund 100		217,658	289,058	293,420	335,785
Total Source of Funds		\$ 217,658	\$ 289,058	\$ 293,420	\$ 335,785

CITY MANAGER

The City Manager is appointed by the City Council to carry out its policies and ensure that the community is served in a responsive manner. Responsible for oversight of all City operations and delivery of public services, the City Manager provides leadership and direction to the City's management team in developing policy recommendations and responding to directives of the City Council.

In addition to performing the day-to-day activities associated with management of the organization, the City Manager's office implements special projects authorized by the City Council, oversees implementation of the Council's legislative agenda, provides direction of the annual budget process and supports the City Council in the development and adoption of City policy.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
City Manager	1.00	1.00	1.00
Assistant to the City Manager	0.00	0.00	1.00
Executive Assistant	1.00	1.00	1.00
Total	2.00	2.00	3.00

EXPENDITURE DETAIL

Fund 100 - General
Program 7003 - City Manager

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	322,053	301,239	301,239	395,216
4104	Overtime	1,123	2,000	2,000	2,000
4201	Retirement	57,537	49,262	49,262	65,440
4202	Health Insurance	23,621	23,283	23,283	28,740
4203	Vision Insurance	395	402	402	390
4204	Dental Insurance	2,625	2,625	2,625	2,617
4205	Life Insurance	1,042	1,042	1,042	1,153
4208	Deferred Compensation	12,376	12,502	12,502	12,900
4209	Disability Insurance	2,923	1,764	1,764	2,602
4210	Other	10,903	13,841	13,841	17,553
Total Salaries & Benefits		\$ 434,598	\$ 407,960	\$ 407,960	\$ 528,612
5100	Professional Services	54,687	50,000	32,909	50,000
5105	Grant Consultant	99,268	100,000	100,000	100,000
5300	Travel & Training	4,611	7,500	4,439	10,000
5330	Dues & Memberships	400	800	2,089	4,500
5721	Telephone	800	1,500	1,464	1,500
6160	Operating Supplies	1,097	3,000	2,186	5,000
6200	Publications	1,200	500	-	250
Total Operating & Maintenance		\$ 162,063	\$ 163,300	\$ 143,088	\$ 171,250
8500	Information Systems Allocation	10,500	10,500	10,500	10,500
Total Internal Service Charges		\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500
Total Expenditures		\$ 607,161	\$ 581,760	\$ 561,548	\$ 710,362
Source of Funds					
General Fund 100		607,161	581,760	561,548	710,362
Total Source of Funds		\$ 607,161	\$ 581,760	\$ 561,548	\$ 710,362

LEGAL COUNSEL

The City of Malibu contracts for legal services to provide counsel to the City Council, City staff, and City Boards and Commissions. The firm of Jenkins & Hogin represents the City in litigation, manages outside counsel representing the City, drafts ordinances and resolutions, reviews claims and contracts, and counsels the City regarding personnel, law enforcement, land use and public works issues. Jenkins & Hogin also supervises another firm in the prosecution of violations of the City Municipal Code in criminal court.

EXPENDITURE DETAIL

Fund 100 - General
 Program 7005 - Legal Counsel

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
5100	Professional Services	24,616	50,000	50,000	50,000
5101	General Legal Counsel	278,376	274,777	274,777	280,273
5102	Litigation	605,947	250,000	444,236	300,000
5103	Criminal Prosecution	73,351	75,000	39,068	75,000
Total Operating & Maintenance		\$ 982,290	\$ 649,777	\$ 808,080	\$ 705,273
Total Expenditures		\$ 982,290	\$ 649,777	\$ 808,080	\$ 705,273
Source of Funds					
General Fund 100		982,290	649,777	808,080	705,273
Total Source of Funds		\$ 982,290	\$ 649,777	\$ 808,080	\$ 705,273

CITY CLERK

The City Clerk is the local official who administers democratic processes such as elections, access to City records, and all legislative actions ensuring transparency to the public. The City Clerk acts as a compliance officer for federal, state and local statutes including the Political Reform Act, the Brown Act, and the Public Records Act. The City Clerk manages public inquiries and relationships and arranges for ceremonial and official functions.

As Custodian of Official Records, the City Clerk maintains all official City documents, archives and legislative history. The City Clerk's Office oversees the document imaging and records management program. Additionally, the City Clerk conducts and certifies all municipal elections; administers oaths and affirmations; and manages legal requirements for public notice and for the filing of referenda, initiatives, recall petitions, annual Statements of Economic Interest and Campaign Disclosure Statements.

The City Clerk serves as Clerk of the Council attending, monitoring and retaining complete records of all City Council proceedings.

The City Clerk's Office maintains the live web streaming and video archives of City Council meetings and oversees passport acceptance services. Additionally, the City Clerk oversees the City-wide student internship program to encourage high school and college students to participate in local government.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
City Clerk	1.00	1.00	1.00
Deputy City Clerk	1.00	1.00	1.00
Student Interns	3.43	3.43	3.43
Total	5.43	5.43	5.43

EXPENDITURE DETAIL

Fund 100 - General
Program 7007 - City Clerk

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	188,881	192,363	192,363	204,315
4102	Part-Time Salaries	-	20,000	-	-
4103	Interns	18,428	32,757	32,757	34,394
4104	Overtime	-	500	500	500
4201	Retirement	36,486	31,883	31,883	34,278
4202	Health Insurance	32,624	32,302	32,302	33,051
4203	Vision Insurance	473	483	483	483
4204	Dental Insurance	3,219	3,219	3,219	3,219
4205	Life Insurance	466	466	466	468
4208	Deferred Compensation	3,000	3,000	3,000	3,000
4209	Disability Insurance	1,842	1,572	1,572	1,629
4210	Other	4,350	7,100	7,100	7,437
Total Salaries & Benefits		\$ 289,769	\$ 325,645	\$ 305,645	\$ 322,774
5100	Professional Services	34,781	51,500	29,553	51,500
5100-01	Document Imaging Services	18,419	100,000	50,000	100,000
5150	Elections	16,401	50,000	83,893	75,000
5205	Postage	-	400	56	200
5300	Travel & Training	4,648	4,900	2,136	4,900
5330	Dues & Memberships	435	415	305	415
5340	Transportation & Mileage	107	800	850	800
5401	Advertising & Noticing	1,295	3,000	1,615	3,000
5721	Telephone	-	800	-	-
6130	Records Management	-	1,000	855	1,000
6160	Operating Supplies	2,739	3,000	3,160	3,000
6200	Publications	2,922	5,000	3,940	5,000
Total Operating & Maintenance		\$ 81,747	\$ 220,815	\$ 176,363	\$ 244,815
8500	Information Systems Allocation	10,500	10,500	10,500	10,500
Total Internal Service Charges		\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500
Total Expenditures		\$ 382,016	\$ 556,960	\$ 492,508	\$ 578,089
Source of Funds					
General Fund 100		382,016	556,960	492,508	578,089
Total Source of Funds		\$ 382,016	\$ 556,960	\$ 492,508	\$ 578,089

HUMAN RESOURCES

The Human Resources division of Administrative Services provides support services to City employees in the areas of recruitment, selection, classification and compensation; equal employment opportunity; performance evaluation; training and development; employee benefits, services, and programs; personnel record keeping; and employee relations, including discipline and administration of federal and state employment laws.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Human Resources Analyst	1.00	1.00	0.00
Human Resources Manager	0.00	0.00	1.00
Human Resources Technician	0.00	0.00	1.00
Total	1.00	1.00	2.00

EXPENDITURE DETAIL

Fund 100 - General

Program 7058 - Human Resources

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	77,446	80,290	80,290	140,546
4201	Retirement	14,800	13,130	13,130	23,272
4202	Health Insurance	14,184	14,044	14,044	28,740
4203	Vision Insurance	179	182	182	364
4204	Dental Insurance	1,226	1,226	1,226	2,452
4205	Life Insurance	154	154	154	309
4209	Disability Insurance	753	787	787	1,377
4210	Other	2,441	3,377	3,377	6,234
Total Salaries & Benefits		\$ 111,183	\$ 113,190	\$ 113,190	\$ 203,293
5100	Professional Services	-	1,500	-	1,500
5100-01	Employee Health Program	-	-	-	3,000
5205	Postage	-	100	50	100
5300	Travel & Training	1,071	4,000	4,000	4,000
5320	Recruitment Expense	17,967	20,000	20,000	20,000
5330	Dues & Memberships	1,375	1,500	1,325	1,500
5340	Transportation & Mileage	19	300	120	300
6160	Operating Supplies	3,156	2,500	3,037	2,500
6170	Events	7,113	7,500	7,500	7,500
6200	Publications	-	500	200	500
Total Operating & Maintenance		\$ 30,701	\$ 37,900	\$ 36,232	\$ 40,900
8500	Information Systems Allocation	3,500	3,500	3,500	7,000
Total Internal Service Charges		\$ 3,500	\$ 3,500	\$ 3,500	\$ 7,000
Total Expenditures		\$ 145,384	\$ 154,590	\$ 152,922	\$ 251,193
Source of Funds					
General Fund 100		145,384	154,590	152,922	251,193
Total Source of Funds		\$ 145,384	\$ 154,590	\$ 152,922	\$ 251,193

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PUBLIC SAFETY

Department	Program	2014-15 Actual	2015-16 Budgeted	2015-16 Projected	2016-17 Proposed
7021	Emergency Preparedness	207,812	209,416	207,521	212,008
7031	Public Safety Services	6,528,807	6,820,890	6,820,074	7,293,949
Total		\$ 6,736,619	\$ 7,030,306	\$ 7,027,595	\$ 7,505,958

EMERGENCY PREPAREDNESS

In response to numerous floods, fires and storms experienced during the first decade of incorporation, the Emergency Preparedness program was established to develop and implement the structure and protocols for the City's response to future disasters, including the training of City staff.

Under the City Manager's direction, the Emergency Services Coordinator is responsible for maintenance and implementation of the Standardized Emergency Management System (SEMS)/National Incident Management System (NIMS) Emergency Operations Plan within the City. Activities include training staff and affiliated volunteers in preparation for and response to disaster situations; coordinating community outreach to educate residents and businesses about preparing for emergencies; equipping and managing the City's Emergency Operations Center (EOC); overseeing the function and programming of the City's emergency radio systems; managing the City's Dolphin Decal access program and Connect-CTY notification system.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Emergency Services Coordinator	1.00	1.00	1.00
Total	1.00	1.00	1.00

EXPENDITURE DETAIL

Fund 100 - General

Program 7021 - Emergency Preparedness

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	89,389	87,069	87,069	88,810
4104	Overtime	1,964	1,000	2,409	1,000
4201	Retirement	16,617	14,238	14,238	14,705
4202	Health Insurance	14,184	14,044	14,044	14,370
4203	Vision Insurance	179	182	182	182
4204	Dental Insurance	1,226	1,226	1,226	1,226
4205	Life Insurance	154	154	154	154
4209	Disability Insurance	845	853	853	870
4210	Other	2,643	3,550	3,550	3,590
Total Salaries & Benefits		\$ 127,201	\$ 122,316	\$ 123,725	\$ 124,908
5100	Professional Services	26,885	28,000	23,973	28,000
5300	Travel & Training	1,370	2,000	1,178	2,000
5330	Dues & Memberships	300	300	327	300
5340	Transportation & Mileage	563	500	-	500
5405	Printing	-	300	-	300
5721	Telephone	6,982	8,000	10,028	8,000
6160	Operating Supplies	5,709	7,500	9,953	7,500
6400	Clothing & Emergency Gear	2,327	2,500	2,813	2,500
Total Operating & Maintenance		\$ 44,136	\$ 49,100	\$ 48,273	\$ 49,100
7800	Other Equipment	3,475	5,000	2,523	5,000
Total Capital Outlay		\$ 3,475	\$ 5,000	\$ 2,523	\$ 5,000
8100	Vehicle Allocation	5,000	5,000	5,000	5,000
8500	Information Systems Allocation	28,000	28,000	28,000	28,000
Total Internal Service Charges		\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000
Total Expenditures		\$ 207,812	\$ 209,416	\$ 207,521	\$ 212,008
Source of Funds					
General Fund 100		207,812	209,416	207,521	212,008
Total Source of Funds		\$ 207,812	\$ 209,416	\$ 207,521	\$ 212,008

LAW ENFORCEMENT

Public safety services in Malibu include law enforcement, fire and animal control, all of which are provided on a contract basis by Los Angeles County. The general mission of the Department is to protect persons and property, enhance a sense of safety within the community, increase public safety programs and reduce the number of incidents in criminal activity, traffic accidents and traffic violations.

Law enforcement services provided by the Los Angeles Sheriff's Department include general law, traffic, and parking enforcement and administration; summer beach enforcement; and specialized community policing services. Parking citation processing and hearings are also contracted.

Fire services are provided by the Los Angeles County Fire Department. The residents of Malibu pay for these services annually through their property tax bills. Animal Control services are provided by the Los Angeles County Department of Animal Care and Control.

The Fiscal Year 2016-2017 Public Safety budget reflects a 7.2% increase to the contract with the Los Angeles County Sheriff's Department (LASD) including a cost of living increase and a 3.5% increase for the LASD Liability Trust Fund. In future years, the City may be required to incur additional costs as a result of increases in the Liability Trust Fund.

EXPENDITURE DETAIL

Fund 100 - General

Fund 211 - Brulte

Program 7031 - Public Safety Services

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
5100	Professional Services	1,335	1,500	1,522	1,500
5106	L.A. Co. Animal Control	57,446	60,000	60,000	60,000
5114	L.A. Co. Fire Base Year Fee	2,536	3,000	3,000	3,000
5115	L.A. Co. Sheriff's Services	5,884,987	6,176,562	6,176,562	6,621,274
5116	L.A. Co. Sheriff's Services-Beach Team	545,538	571,328	571,328	598,675
5640	Equipment Maintenance	2,998	5,000	3,446	5,000
6160	Operating Supplies	143	2,500	1,131	2,500
Total Operating & Maintenance		\$ 6,494,983	\$ 6,819,890	\$ 6,816,989	\$ 7,291,949
7800	Equipment	33,824	1,000	3,085	2,000
Total Capital Outlay		\$ 33,824	\$ 1,000	\$ 3,085	\$ 2,000
Total Expenditures		\$ 6,528,807	\$ 6,820,890	\$ 6,820,074	\$ 7,293,949
Source of Funds					
General Fund 100		6,422,577	6,706,272	6,705,456	7,193,949
Brulte Fund 211		106,230	114,618	114,618	100,000
Total Source of Funds		\$ 6,528,807	\$ 6,820,890	\$ 6,820,074	\$ 7,293,949

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ADMINISTRATIVE SERVICES

Department Expenditures by Program

Department	Program	2014-15 Actual	2015-16 Budgeted	2015-16 Projected	2016-17 Proposed
3010	Civic Center WWTF	-	206,000	62,557	126,000
7004	Legacy Park	1,139,995	1,099,220	1,099,220	1,094,135
7008	Legacy Park Operations	302,411	443,750	418,301	384,750
7054	Finance	1,146,310	1,132,030	1,151,922	1,164,675
7059	Non-Departmental	1,508,267	1,708,649	1,639,411	2,041,614
7060	Information Systems	404,820	471,759	446,017	488,294
7070	Community Support	7,043	6,935	6,935	6,979
9049	Civic Center Wastewater CFD	-	-	-	-
9050	City Hall	2,510,888	2,352,664	2,257,792	2,376,743
9048	Carbon Beach Undergrounding	283,023	287,244	287,244	240,657
9052	Broad Beach Undergrounding	392,952	154,163	154,163	140,755
Total		\$ 7,695,709	\$ 7,862,414	\$ 7,523,561	\$ 8,064,601

CIVIC CENTER WASTEWATER TREATMENT FACILITY

In 2011, the Los Angeles Regional Water Quality Control Board (RWQCB) approved a Memorandum of Understanding (MOU) with the City of Malibu. The MOU is between the City, the RWQCB, and the State Water Resources Control Board (SWRCB). The MOU commits the City to lead the efforts to work with property owners to design and construct a centralized wastewater treatment facility in the Civic Center area. Under the MOU, both commercial and residential property owners in the Civic Center area are required to fund and connect to the centralized wastewater treatment facility in phases. Phase One requires connection by 2017 and Phase Two by 2022.

On January 12, 2015, the Council certified the Environmental Impact Report, approved the Coastal Development Permit, Conditional Use Permit, Local Coastal Program Amendment, Zoning Text Amendment and Zoning Map Amendment for the Project. On March 12, 2015, the RWQCB approved the Waste Discharge Requirement (WDR) and the Water Recycling Requirements (WRR). On May 13, 2015, the California Coastal Commission (CCC) approved an amendment to the Local Implementation Plan (LIP) of the Local Coastal Plan to allow for the development of the CCWWTF with certain modifications. The Council approved the proposed modifications on June 8, 2015 and the CCC certified the LIP on August 12, 2015.

On January 25, 2016, the Council approved the formation of the City of Malibu Assessment District (AD) No. 2015-1. The AD provides a funding mechanism for the project and will be funded through a variety of State Revolving Fund Loans, Grants and Bond financing.

Department 3010 reflects water quality testing and monitoring costs that are needed as part of the project.

EXPENDITURE DETAIL

Fund 100 - General Fund

Program 3010 - Civic Center Wastewater Treatment Facility

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
5100	Professional Services	-	5,000	5,000	5,000
5656	Water Quality Testing & Monitoring	-	200,000	56,557	120,000
6160	Operating Supplies	-	1,000	1,000	1,000
Total Operating & Maintenance		\$ -	\$ 206,000	\$ 62,557	\$ 126,000

Total Expenditures	\$ -	\$ 206,000	\$ 62,557	\$ 126,000
Source of Funds				
General Fund 100	-	206,000	62,557	126,000
Total Source of Funds	\$ -	\$ 206,000	\$ 62,557	\$ 126,000

LEGACY PARK

In 2006, the City of Malibu purchased a 20-acre parcel in the Civic Center area previously known as the Chili Cook-off site. The site consists of approximately 17 acres of vacant land and 3 acres of commercially developed property. The \$25 million property was purchased using a combination of state and local grants, community donations, debt financing and City General Fund dollars.

The vacant property was developed as a passive park and is now used as the dispersal site for treated wastewater and stormwater in the Civic Center area. The three buildings have remained as commercial tenants and provide a revenue source for the City to fund the payments of the debt financing as well as project planning and design costs, insurance, maintenance and property management of the site. Certain clean water related expenses are also funded by this revenue source including Clean Water (3003) and City Facilities (3007).

The City completed construction of Legacy Park in Fiscal Year 2010-2011.

Debt service is budgeted to Department 7004 and the Operations of the property are budgeted to Department 7008.

EXPENDITURE DETAIL

Fund 500 - Legacy Park
 Program 7004 - Legacy Park Debt Service

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
5810	Debt Service - Interest	774,995	509,220	509,220	524,135
5820	Debt Service - Principal	365,000	590,000	590,000	570,000
Total Operating & Maintenance		\$ 1,139,995	\$ 1,099,220	\$ 1,099,220	\$ 1,094,135
Total Expenditures		\$ 1,139,995	\$ 1,099,220	\$ 1,099,220	\$ 1,094,135
Source of Funds					
Legacy Park Project Fund 500		1,139,995	1,099,220	1,099,220	1,094,135
Total Source of Funds		\$ 1,139,995	\$ 1,099,220	\$ 1,099,220	\$ 1,094,135

EXPENDITURE DETAIL

Fund 500 - Legacy Park
Program 7008 - Legacy Park Operations

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
5100	Professional Services	77,800	65,000	65,700	67,000
5130	Park Maintenance	38,422	86,000	79,535	95,000
5210	Service Fees and Charges	-	750	-	750
5510	Insurance Premiums	75,071	100,000	100,000	115,000
5610	Facilities Maintenance - Buildings	59,606	60,000	54,039	60,000
5722	Electricity	10,454	10,000	8,355	10,000
5723	Water	39,800	35,000	25,671	35,000
6160	Operating Supplies	1,258	2,000	-	2,000
Total Operating & Maintenance		\$ 302,411	\$ 358,750	\$ 333,301	\$ 384,750
7300	Improvements	-	85,000	85,000	-
7800	Other Equipment	-	-	-	-
Total Capital Outlay		\$ -	\$ 85,000	\$ 85,000	\$ -
Total Expenditures		\$ 302,411	\$ 443,750	\$ 418,301	\$ 384,750
Source of Funds					
Legacy Park Project Fund 500		302,411	443,750	418,301	384,750
Total Source of Funds		\$ 302,411	\$ 443,750	\$ 418,301	\$ 384,750

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FINANCE

As part of the Administrative Services Department, the Finance division is responsible for advising City officials on the City's financial position and condition, and providing timely financial information necessary for decision making. This is achieved through financial reporting and compliance in accordance with generally accepted accounting principles, budget development, and financial systems administration.

The Finance division provides the following services: maintenance of accurate, reliable financial information and records for all City funds; bi-weekly payroll; preparation and distribution of warrants for payment of invoices and contracts; coordination of State, Federal and independent audits of the City's financial management systems and records; oversight of the City's debt service requirements; preparation of accurate and timely annual reports including the annual budget and Comprehensive Annual Financial Report; collection activities to assure payment of accounts receivable; procurement of supplies and equipment and process purchase orders; maintenance of fixed asset records; and monitoring of grant administration.

The Finance division is also responsible for film permit activities, which are provided by a contract service provider, as indicated in line item 5117. The City issues approximately 700 permits per year for commercial filming and still shoots. All costs are recovered through film permit fees.

City Treasurer functions are budgeted in the Finance division (line item 5100-01). The City Treasurer is a contractor appointed by and serves at will of the City Council. The Treasurer assures the administration and management of all City monies and funds and provides accountability to the citizens of Malibu. The Treasurer's responsibilities include the investment of idle funds; and reporting such activities to the City Council and other government agencies. The City Treasurer oversees the City's investment portfolio which is invested in accordance with the City's adopted investment policy.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Assistant City Manager	1.00	1.00	1.00
Finance Manager	1.00	1.00	1.00
Financial Analyst	0.00	0.00	1.00
Senior Accounting Technician	1.00	1.00	0.00
Senior Accounting Clerk	1.00	1.00	0.80
Accounting Clerk	0.00	0.00	1.00
Total	4.00	4.00	4.80

EXPENDITURE DETAIL

Fund 100 - General
Program 7054 - Finance

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	456,808	446,059	415,309	464,398
4102	Part-Time Salaries	-	-	-	-
4104	Overtime	13	500	500	500
4201	Retirement	78,245	68,339	63,311	72,608
4202	Health Insurance	37,606	34,343	32,003	48,198
4203	Vision Insurance	543	492	492	654
4204	Dental Insurance	3,779	3,250	3,250	4,349
4205	Life Insurance	824	826	826	932
4208	Deferred Compensation	3,000	3,000	2,500	3,000
4209	Disability Insurance	4,269	2,978	2,978	3,434
4210	Other	10,664	15,393	15,393	16,902
Total Salaries & Benefits		\$ 595,751	\$ 575,180	\$ 536,562	\$ 614,975
5100	Professional Services	51,237	87,000	87,000	85,000
5100-01	City Treasurer	3,000	4,000	4,000	4,000
5100-02	Fee Study	-	26,400	26,400	-
5107	Contract Personnel	-	-	-	-
5117	Film Permit Consultant	409,424	337,500	396,893	356,250
5205	Postage	-	100	135	100
5210	Service Fees and Charges	-	100	100	100
5211	Bank Service Fees	33,522	32,000	35,510	35,000
5300	Travel & Training	4,894	11,500	11,980	7,500
5330	Dues & Memberships	1,554	3,500	3,397	3,500
5340	Transportation & Mileage	640	750	1,009	750
5401	Advertising & Noticing	639	1,000	319	1,000
5405	Printing	11,730	12,000	9,734	12,000
6120	Computer Software	18,161	20,000	19,060	20,000
6160	Operating Supplies	1,758	7,000	5,822	7,000
Total Operating & Maintenance		\$ 536,559	\$ 542,850	\$ 601,360	\$ 532,200
8500	Information Systems Allocation	14,000	14,000	14,000	17,500
Total Internal Service Charges		\$ 14,000	\$ 14,000	\$ 14,000	\$ 17,500
Total Expenditures		\$ 1,146,310	\$ 1,132,030	\$ 1,151,922	\$ 1,164,675
Source of Funds					
General Fund 100		1,146,310	1,132,030	1,151,922	1,164,675
Total Source of Funds		\$ 1,146,310	\$ 1,132,030	\$ 1,151,922	\$ 1,164,675

NON-DEPARTMENTAL SERVICES

The non-departmental program accounts for the centralization of services provided for the benefit of all departments. These services include fixed asset management; insurance premiums; claims settlements; receptionist services; printing; postage; telephone; and equipment leases. Expenses include retiree health premiums and other post-employment benefit costs.

This program accounts for the expenditures related to the Joint Use Agreement between the Santa Monica-Malibu Unified School District and the City of Malibu. This agreement provides for the joint operation and maintenance of school district facilities including ball fields, tennis courts and the swimming pool at Malibu High School. The cost for the joint use agreement has increased in Fiscal Year 2016-2017.

Also included in this program is the risk management function, which maintains responsibility for all the City's insurance needs, including property, workers' compensation, fidelity bonds, special events, and auto liability. The goal of the risk management function is to apply loss prevention and control measures through identification and analysis of loss exposure in the areas of liability, workers' compensation, and property loss. The City is a member of the California Joint Powers Insurance Authority, which provides for the pooling of self-insured losses of its member cities.

The budget for non-departmental services also includes funding for the City's required payments under the Governmental Accounting Standards Board (GASB) for retiree health costs and for the City's CalPERS liability payment.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Office Assistant/Receptionist	1.00	1.00	1.00
Office Assistant	0.75	0.75	1.00
Total	1.75	1.75	2.00

EXPENDITURE DETAIL

Fund 100 - General

Program 7059 - Non-Departmental Services

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	76,837	77,778	77,778	90,578
4104	Overtime	-	250	250	250
4201	Retirement	11,129	9,877	9,877	11,015
4202	Health Insurance	28,014	27,738	27,738	33,051
4203	Vision Insurance	331	326	326	373
4204	Dental Insurance	2,434	2,368	2,368	2,706
4205	Life Insurance	270	270	270	309
4209	Disability Insurance	749	762	762	888
4210	Other	3,446	4,310	4,310	4,960
4212	Retiree Health Insurance	108,676	140,000	140,000	191,000
4217	Other Post Employment Benefits	376,324	364,000	364,000	500,000
4218	CalPERS Liabilities	-	124,646	124,646	153,799
Total Salaries & Benefits		\$ 608,210	\$ 752,325	\$ 752,325	\$ 988,929
5205	Postage	37,739	40,000	30,475	40,000
5210	Service Fees and Charges	6,935	6,500	6,269	6,500
5300	Travel & Training	3,060	4,500	4,500	3,000
5405	Printing	1,476	1,500	3,836	3,000
5510	Insurance Premiums	395,668	392,500	348,301	386,361
5640	Equipment Maintenance	19,725	22,000	16,107	22,000
5720	Off-site Storage	51,086	55,000	37,703	55,000
5721	Telephone	25,390	22,000	25,775	22,000
5800	Equipment Leases	14,381	30,000	30,466	30,000
5921	Joint Use Agreement - SMMUSD	170,110	179,824	179,824	239,824
6140	Office Equipment	-	5,000	-	5,000
6160	Operating Supplies	42,287	40,000	47,031	40,000
Total Operating & Maintenance		\$ 767,857	\$ 798,824	\$ 730,287	\$ 852,685
7300	Leasehold Improvements	4,433	-	-	-
7600	Equipment/Furniture	4,267	2,500	1,799	5,000
Total Capital Outlay		\$ 8,700	\$ 2,500	\$ 1,799	\$ 5,000
8100	Vehicle Allocation	15,000	15,000	15,000	15,000
8500	Information Systems Allocation	108,500	140,000	140,000	180,000
Total Internal Service Charges		\$ 123,500	\$ 155,000	\$ 155,000	\$ 195,000
Total Expenditures		\$ 1,508,267	\$ 1,708,649	\$ 1,639,411	\$ 2,041,614
Source of Funds					
General Fund 100		1,508,267	1,708,649	1,639,411	2,041,614
Total Source of Funds		\$ 1,508,267	\$ 1,708,649	\$ 1,639,411	\$ 2,041,614

INFORMATION SYSTEMS

The Information Systems division provides support and advisory services for all City automated information and communications systems. The division supports the City's telephone system as well as the local area network which consists of 28 servers and over 175 personal computers. The Information Systems Fund derives its revenue from a service charge to each department of \$3,500 per computer which contributes towards the maintenance and future replacement of equipment.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Information Systems Administrator	1.00	1.00	0.00
Information Systems Manager	0.00	0.00	1.00
Total	1.50	1.50	1.00

EXPENDITURE DETAIL

Fund 602 - Information Systems Fund
Program 7060 - Information Systems

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	134,085	135,575	135,575	114,231
4104	Overtime	7,586	5,000	7,951	5,000
4201	Retirement	22,573	19,766	19,766	18,914
4202	Health Insurance	21,686	21,769	21,769	18,681
4203	Vision Insurance	340	351	351	300
4204	Dental Insurance	2,283	2,309	2,309	1,993
4205	Life Insurance	205	210	210	154
4209	Disability Insurance	1,284	1,127	1,127	882
4210	Other	3,968	5,452	5,452	4,238
Total Salaries & Benefits		\$ 194,010	\$ 191,559	\$ 194,510	\$ 164,394
5100	Professional Services	14,285	20,000	10,046	80,000
5300	Travel & Training	65	1,000	2,807	1,500
5330	Dues & Memberships	365	500	615	500
5630	Computer Maintenance	3,827	4,000	4,265	4,000
5721	Telephone	22,174	22,000	21,445	22,000
6120	Computer Software	63,231	127,000	127,000	100,000
6160	Operating Supplies	1,134	7,500	5,715	7,500
6200	Publications	-	200	-	200
Total Operating & Maintenance		\$ 105,081	\$ 182,200	\$ 171,894	\$ 215,700
7400	Computer Equipment	77,679	70,000	50,813	75,000
7500	GIS Software	28,050	28,000	28,800	33,200
7800	Other Equipment	-	-	-	-
Total Capital Outlay		\$ 105,729	\$ 98,000	\$ 79,613	\$ 108,200
Total Expenditures		\$ 404,820	\$ 471,759	\$ 446,017	\$ 488,294
Source of Funds					
Information Systems Fund		404,820	471,759	446,017	488,294
Total Source of Funds		\$ 404,820	\$ 471,759	\$ 446,017	\$ 488,294

COMMUNITY DEVELOPMENT BLOCK GRANT

The Community Support program accounts for funds provided by the Community Development Block Grant (CDBG) program, administered by the Federal Government's Department of Housing and Urban Development (HUD) and passed through Los Angeles County's Community Development Commission (CDC) to the City of Malibu.

CDBG funds provide for service programs and capital projects benefiting low and moderate-income residents of the community. The City receives approximately \$50,000 annually to support such programs. Funding is limited to 15% for public service programs and 85% for capital projects. For Fiscal Year 2016-2017, the service program allocation will be granted to the Malibu Community Labor Exchange.

EXPENDITURE DETAIL

Fund 215 - Community Development Block Grant (CDBG)
 Program 7070 - CDBG Programs

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
5931	CDBG Grants	7,043	6,935	6,935	6,979
Total Operating & Maintenance		\$ 7,043	\$ 6,935	\$ 6,935	\$ 6,979
Total Expenditures		\$ 7,043	\$ 6,935	\$ 6,935	\$ 6,979
Source of Funds					
CDBG Fund 215		7,043	6,935	6,935	6,979
Total Source of Funds		\$ 7,043	\$ 6,935	\$ 6,935	\$ 6,979

CITY HALL OPERATIONS

In July 2009, the City purchased a 35,000 square foot commercial office, associated parking and other real property consisting of approximately 6.09 acres at a trustee's sale for \$15 million.

Acquisition and the improvements to the building were funded by the issuance of Certificates of Participation (COPs). Debt service for the COPs commenced in Fiscal Year 2012-2013 and is budgeted at \$1.6 million for Fiscal Year 2016-2017.

For Fiscal Year 2016-2017, \$100,000 has been budgeted in Leasehold Improvements for deferred maintenance items needed at City Hall.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Maintenance Worker – City Facilities	1.00	1.00	1.00
Total	1.00	1.00	1.00

EXPENDITURE DETAIL

Fund 103 - General
Program 9050 - City Hall Operations

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	53,545	55,593	55,593	58,405
4104	Overtime	343	1,500	4,865	3,500
4201	Retirement	10,238	9,091	9,091	9,671
4202	Health Insurance	14,184	14,044	14,044	14,370
4203	Vision Insurance	179	182	182	182
4204	Dental Insurance	1,226	1,226	1,226	1,226
4205	Life Insurance	154	154	154	154
4209	Disability Insurance	521	545	545	572
4210	Other	2,104	2,747	2,747	2,814
Total Salaries & Benefits		\$ 82,494	\$ 85,082	\$ 88,447	\$ 90,895
5100	Professional Services	77,472	80,000	75,263	82,000
5107	Contract Personnel	-	500	-	500
5210	Service Fees and Charges	3,419	2,200	3,518	2,200
5401	Advertising & Noticing	-	500	-	500
5510	Insurance Premiums	120,000	125,000	120,000	140,000
5610	Facilities Maintenance	68,933	80,000	70,349	80,000
5721	Telephone	4,138	5,000	3,902	5,000
5722	Electricity	74,376	70,000	64,093	70,000
5723	Water	6,738	6,500	4,824	6,500
5810	Debt Service - Interest	1,200,246	1,129,382	1,129,382	1,115,648
5820	Debt Service - Principal	545,000	560,000	560,000	570,000
6160	Operating Supplies	7,768	25,000	7,965	25,000
6300	Tools & Minor Equipment	1,658	10,000	1,548	10,000
Total Operating & Maintenance		\$ 2,109,748	\$ 2,094,082	\$ 2,040,845	\$ 2,107,348
7300	Leasehold Improvements	107,818	145,000	100,000	150,000
7800	Equipment	207,328	25,000	25,000	25,000
Total Capital Outlay		\$ 315,146	\$ 170,000	\$ 125,000	\$ 175,000
8500	Information Systems Allocation	3,500	3,500	3,500	3,500
Total Internal Service Charges		\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500
Total Expenditures		\$ 2,510,888	\$ 2,352,664	\$ 2,257,792	\$ 2,376,743
Source of Funds					
General Fund 100		2,510,888	2,352,664	2,257,792	2,376,743
Total Source of Funds		\$ 2,510,888	\$ 2,352,664	\$ 2,257,792	\$ 2,376,743

CARBON BEACH UNDERGROUNDING COMMUNITY FACILITIES DISTRICT

In 2008-2009, The City assisted a group of 21 property owners in the Carbon Beach area with the formation of a Community Facilities District (CFD). The CFD provides a mechanism for the property owners to finance the undergrounding of utilities in the Carbon Beach area along Pacific Coast Highway. Each property within the CFD pays for the undergrounding project via annual assessments levied against the properties through the Los Angeles County Assessor's Office.

The CFD places no fiscal impact on the City. Bonds were sold as a part of the process and all costs of issuing the bonds were paid from proceeds of the bond sale. Funds are administered by US Bank, which acts as the fiscal agent and trustee for the CFD. Administrative funding is used for staffing costs associated with the District.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Office Assistant	0.24	024	0.00
Senior Accounting Clerk	0.00	0.00	0.19
Total	0.24	24.00	0.19

EXPENDITURE DETAIL

Fund 712 - Carbon Beach Undergrounding Communities Facilities District (CFD)
Program 9048 - Carbon Beach Undergrounding

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	9,197	9,497	9,497	10,789
4201	Retirement	582	639	639	748
4202	Health Insurance	4,425	4,404	4,404	1,393
4203	Vision Insurance	50	45	45	20
4204	Dental Insurance	363	326	326	123
4205	Life Insurance	37	37	37	30
4209	Disability Insurance	85	93	93	106
4210	Other	433	563	563	532
Total Salaries & Benefits		\$ 15,172	\$ 15,604	\$ 15,604	\$ 13,740
5100	Professional Services	8,768	9,500	9,500	11,260
5810	Debt Service - Interest	184,083	182,140	182,140	100,657
5820	Debt Service - Principal	75,000	80,000	80,000	115,000
Total Debt Service		\$ 267,851	\$ 271,640	\$ 271,640	\$ 226,917
Total Expenditures		\$ 283,023	\$ 287,244	\$ 287,244	\$ 240,657
Source of Funds					
Carbon Beach Undergrounding CFD		283,023	287,244	287,244	240,657
Total Source of Funds		\$ 283,023	\$ 287,244	\$ 287,244	\$ 240,657

BROAD BEACH UNDERGROUND UTILITIES ASSESSMENT DISTRICT

In 2009-2010, the City assisted a group of property owners in the Broad Beach Road area with the formation of an Assessment District (AD). The AD provides a mechanism for the property owners to finance the undergrounding of utilities in the Broad Beach Road area along Pacific Coast Highway. Each property within the AD pays for the undergrounding project via annual assessments levied against the properties through the Los Angeles County Assessor's Office.

The AD does not place any fiscal impact on the City. Bonds were sold as part of the process and all costs of issuing the bonds were paid from proceeds of the bond sale. Funds are administered by US Bank, which acts as the fiscal agent and trustee for the AD. Administrative funding is used for staffing costs associated with the District.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Office Assistant	0.01	0.01	0.00
Senior Accounting Clerk	0.00	0.00	0.01
Total	0.01	0.01	0.01

EXPENDITURE DETAIL

Fund 713 - Broad Beach Undergrounding Assessment District (AD)
Program 9052 - Broad Beach Undergrounding

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	383	335	335	353
4201	Retirement	24	23	23	24
4202	Health Insurance	184	155	155	46
4203	Vision Insurance	2	2	2	1
4204	Dental Insurance	15	11	11	4
4205	Life Insurance	2	1	1	1
4209	Disability Insurance	3	3	3	3
4210	Other	19	20	20	17
Total Salaries & Benefits		\$ 632	\$ 550	\$ 550	\$ 450
5100	Professional Services	7,385	5,828	5,828	6,032
5810	Debt Service - Interest	109,935	107,785	107,785	94,273
5820	Debt Service - Principal	275,000	40,000	40,000	40,000
Total Debt Service		\$ 392,320	\$ 153,613	\$ 153,613	\$ 140,305
Total Expenditures		\$ 392,952	\$ 154,163	\$ 154,163	\$ 140,755
Source of Funds					
Broad Beach Undergrounding AD		392,952	154,163	154,163	140,755
Total Source of Funds		\$ 392,952	\$ 154,163	\$ 154,163	\$ 140,755

CIVIC CENTER WASTEWATER TREATMENT PLANT DESIGN COMMUNITY FACILITIES DISTRICT

On June 27, 2011, the City entered into a Memorandum of Understanding (MOU) between the City and the Regional Water Quality Control Board and the State Water Resources Control Board regarding the implementation of the Basin Plan Amendment for the Malibu Civic Center Area Prohibition. The MOU requires that commercial properties in the Civic Center Prohibition Area be connected to a centralized wastewater treatment facility by 2017.

In Fiscal Year 2012-2013, the City formed the Malibu Civic Center Wastewater Treatment Plant Design Phase One Community Facilities District (CFD) No. 2012-01. The CFD provides a mechanism for property owners in the Civic Center area to finance the final design, including the Environmental Impact Report (EIR), construction documents, and to obtain permits associated with the Malibu Civic Center Wastewater Treatment Facility.

On January 25, 2016, the Council approved the formation of the City of Malibu Assessment District (AD) No. 2015-1. The AD provides a funding mechanism for the project and will be funded through a variety of State Revolving Fund Loans, Grants and Bond financing. The AD will refund the CFD.

There is no debt service budgeted for Fiscal Year 2016-2017 as it is anticipated that the CFD will be paid off with the AD.

EXPENDITURE DETAIL

Fund 714 - Civic Center Wastewater Community Facilities District (CFD)
Program 9049 - Civic Center Wastewater Treatment Plant

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	-	-	-	-
4201	Retirement	-	-	-	-
4202	Health Insurance	-	-	-	-
4203	Vision Insurance	-	-	-	-
4204	Dental Insurance	-	-	-	-
4205	Life Insurance	-	-	-	-
4209	Disability Insurance	-	-	-	-
4210	Other	-	-	-	-
Total Salaries & Benefits		\$ -	\$ -	\$ -	\$ -
5100	Professional Services	-	-	-	-
5810	Debt Service - Interest	-	-	-	-
5820	Debt Service - Principal	-	-	-	-
Total Debt Service		\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ -	\$ -	\$ -	\$ -
Source of Funds					
Civic Center Wastewater CFD		-	-	-	-
Total Source of Funds		\$ -	\$ -	\$ -	\$ -

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PARKS AND RECREATION

Department Expenditures by Program

Department	Program	2014-15 Actual	2015-16 Budgeted	2015-16 Projected	2016-17 Proposed
3009	Transportation Services	\$ 181,436	\$ 208,000	\$ 176,138	\$ 209,000
4001	General Recreation	647,131	888,689	689,348	848,620
4002	Aquatics	226,063	271,477	258,300	265,326
4003	Outdoor Recreation	48,688	43,994	43,125	41,624
4004	Day Camp	111,676	95,793	94,150	94,979
4006	Youth Sports	120,025	124,004	127,480	127,677
4007	Community Classes	133,385	158,893	138,725	153,371
4008	Senior Adult Program	136,200	136,471	133,962	148,984
4009	Teen Program	64,004	68,340	63,863	69,322
4010	Park Maintenance	655,519	736,155	677,153	832,252
4011	Special Events	196,626	199,242	202,044	219,622
Total		\$ 2,520,753	\$ 2,931,058	\$ 2,604,287	\$ 3,010,776

TRANSPORTATION SERVICES

The Transportation program provides Dial-A-Ride services to Malibu's senior citizens (60 years or older) and disabled citizens. Services are currently contracted with Malibu Yellow Cab and funded by Proposition A transportation funds allocated by the Los Angeles County Metropolitan Transit Authority. Passengers currently pay fares of \$1.00 each way for trips to the Malibu Senior Center, \$2.00 each way for trips within City boundaries, and \$4.00 each way for trips outside City limits. The program annually serves over 450 registered Dial-A-Ride participants, with over 4,500 trips per year.

EXPENDITURE DETAIL

Fund 203 - Proposition A
Program 3009 - Transportation Services

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4210	Other	2,000	2,000	2,000	2,000
Total Salaries & Benefits		\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
5100	Professional Services	-	-	-	-
5107	Contract Services	-	1,000	1,000	1,000
5145	Dial-A-Ride Services	170,902	196,000	164,138	196,000
5148	Special Events Rec Transit - Seniors	8,534	9,000	9,000	10,000
Total Operating & Maintenance		\$ 179,436	\$ 206,000	\$ 174,138	\$ 207,000
Total Expenditures		\$ 181,436	\$ 208,000	\$ 176,138	\$ 209,000
Source of Funds					
Proposition A Fund 203		181,436	208,000	176,138	209,000
Total Source of Funds		\$ 181,436	\$ 208,000	\$ 176,138	\$ 209,000

GENERAL RECREATION

The goal of the Parks and Recreation Department is to provide enriching innovative recreational experiences and well-maintained parks while preserving resources and values of the Malibu Community.

The Department provides a variety of leisure services designed to enhance the quality of life for the residents of Malibu. Services are offered in a professional and cost-efficient manner while responding to the changing needs and priorities of the community. In addition to park development, the Department is also responsible for providing safe and clean parks and recreation facilities in a manner as to protect the natural and cultural resources of each facility. In addition to City-owned parks, the Department also provides a variety of programs at school facilities through a Joint Use Agreement with the Santa Monica Malibu Unified School District. The City's owned and managed facilities are home to several community organizations such as the Malibu Little League, American Youth Soccer Organization, Pony League Baseball, Trancas Riders and Ropers, and Malibu Water Polo Foundation.

The Department also includes an administrative section which represents all management and operating functions of the Department. These functions include administration of capital improvements, budget administration, grant procurement and management, production of the Quarterly Newsletter and Recreation Guide, facility use permits, and administrative support for the Parks and Recreation Commission, Harry Barovsky Memorial Youth Commission and the Cultural Arts Commission. The Department is staffed by 9 full-time employees and 25 – 30 seasonal part-time employees. Contract instructors and more than 50 volunteers are also used to support programs and activities throughout the year.

The Department also provides oversight for the Malibu Bluffs Parkland Master Planning and Environmental Impact Report. The scope of work for the project includes an opportunities and constraints plan for the site, community outreach to address project issues, concerns and priorities, public design workshops and park design based on Council direction and community input. Environmental review documents as required by the California Environmental Quality Act are also part of the scope of work.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Recreation Director	1.00	1.00	1.00
Recreation Manager	0.25	0.40	0.40
Recreation Supervisor	0.05	0.05	0.05
Administrative Assistant	1.00	1.00	1.00
Recreation Coordinator	0.70	0.70	0.70
Recreation Assistant	2.83	2.46	2.48
Total	5.83	5.61	5.63

EXPENDITURE DETAIL

Fund 100 - General

Program 4001 - General Recreation

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	291,029	309,557	309,557	317,077
4102	Part-Time Salaries	78,611	67,349	67,349	69,815
4104	Overtime	281	-	400	100
4201	Retirement	50,282	46,455	46,455	48,108
4202	Health Insurance	46,812	48,352	48,352	51,096
4203	Vision Insurance	698	740	740	740
4204	Dental Insurance	4,757	4,941	4,941	4,941
4205	Life Insurance	712	735	735	739
4208	Deferred Compensation	3,000	3,000	3,000	3,000
4209	Disability Insurance	2,824	2,261	2,261	2,293
4210	Other	8,015	12,499	12,499	12,740
Total Salaries & Benefits		\$ 487,021	\$ 495,889	\$ 496,289	\$ 510,650
5100	Professional Services	68,705	249,000	96,637	230,000
5107	Contract Personnel	840	3,700	2,727	3,700
5205	Postage	7,453	11,000	8,100	7,750
5300	Travel & Training	15	1,200	778	1,200
5330	Dues & Memberships	710	1,000	485	2,700
5340	Transportation & Mileage	-	400	-	400
5405	Printing	36,787	37,000	37,000	37,000
5721	Telephone	11,039	12,000	12,830	12,720
6120	Computer Software	3,000	3,000	3,273	3,000
6160	Operating Supplies	7,061	5,000	5,048	5,000
6170	Events - Cultural Arts Commission	-	45,000	1,681	10,000
Total Operating & Maintenance		\$ 135,610	\$ 368,300	\$ 168,559	\$ 313,470
8500	Information Systems Allocation	24,500	24,500	24,500	24,500
Total Internal Service Charges		\$ 24,500	\$ 24,500	\$ 24,500	\$ 24,500
Total Expenditures		\$ 647,131	\$ 888,689	\$ 689,348	\$ 848,620
Source of Funds					
General Fund 100		647,131	888,689	689,348	848,620
Total Source of Funds		\$ 647,131	\$ 888,689	\$ 689,348	\$ 848,620

AQUATICS

Through a Joint Use Agreement with SMMUSD, the City operates community aquatic programs at the Malibu Community Pool, located at Malibu High School. The department offers more than 1,500 hours of aquatics programming annually. Programs are designed for residents of all ages, and are comprised of fitness and educational classes, coached programs, competitive leagues and certification classes. The competitive aquatic programs such as youth water polo and swim team create developmental programs that benefit Malibu High School athletic teams. Classes and leagues are instructed by City aquatic staff or independent contract coaches.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Recreation Manager	0.40	0.40	0.40
Lifeguard	2.98	3.07	3.01
Total	3.38	3.47	3.41

EXPENDITURE DETAIL

Fund 100 - General
Program 4002 - Aquatics

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	38,384	41,479	41,479	42,308
4102	Part-Time Salaries	72,707	89,038	89,038	88,241
4104	Overtime	125	-	-	100
4201	Retirement	12,951	11,454	11,454	11,821
4202	Health Insurance	12,766	12,640	12,640	12,933
4203	Vision Insurance	171	175	175	175
4204	Dental Insurance	1,123	1,123	1,123	1,123
4205	Life Insurance	173	173	173	173
4209	Disability Insurance	564	1,225	1,225	1,218
4210	Other	3,365	5,190	5,190	5,184
Total Salaries & Benefits		\$ 142,329	\$ 162,497	\$ 162,497	\$ 163,276
5107	Contract Personnel	76,673	79,000	71,038	90,000
5330	Dues & Memberships	2,700	4,620	3,055	4,650
5340	Transportation & Mileage	-	60	-	-
6160	Operating Supplies	4,361	7,700	8,505	7,400
Total Operating & Maintenance		\$ 83,734	\$ 91,380	\$ 82,597	\$ 102,050
7800	Other Equipment	-	17,600	13,205	-
Total Capital Outlay		\$ -	\$ 17,600	\$ 13,205	-
Total Expenditures		\$ 226,063	\$ 271,477	\$ 258,300	\$ 265,326
Source of Funds					
General Fund 100		226,063	271,477	258,300	265,326
Total Source of Funds		\$ 226,063	\$ 271,477	\$ 258,300	\$ 265,326

OUTDOOR RECREATION

The outdoor recreation programs provide public access, interpretive, and educational programs at Malibu Bluffs Park Open Space, Las Flores Creek Park, Legacy Park, and the Malibu Equestrian Park. The City entered into a five-year lease agreement with the Santa Monica Mountains Conservancy giving the Conservancy control of Charmlee Wilderness Park and the City control of the 83 acres of open space adjacent to Bluffs Park. The City will be responsible for maintenance of the Bluffs trails and open space during the agreement.

Las Flores Creek Park is a neighborhood park located along Las Flores Creek. The park has on-site parking, picnic tables, playgrounds, benches, and over a 1/3 of a mile of walking trails. The park also has over 45 varieties of native plant species and interpretive signage throughout the park with information about the plants, riparian habitat, the creek stabilization project, and the history of the area.

Legacy Park is a unique park that serves as part of the Civic Center water filtration program. The park is used to retain storm water and urban runoff before being sent to the water treatment facility. The treated water is then returned to the park and used to irrigate the native vegetation. The 17-acre park is made up of five different native habitats connected by more than a mile of walking trails. Park visitors are able to learn about the park and its purpose through interpretive signs and artwork strategically placed throughout the park.

Through a Facility Use Agreement with the Santa Monica Malibu Unified School District, the City operates the Malibu Equestrian Park for public and private use. The Park is home to Trancas Riders & Ropers, which hosts numerous shows and clinics at the park throughout the year.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Recreation Manager	0.20	0.10	0.10
Recreation Assistant	1.11	0.74	0.61
Total	1.31	0.84	0.71

EXPENDITURE DETAIL

Fund 100 - General
Program 4003 - Outdoor Recreation

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	22,185	10,370	10,370	10,577
4102	Part-Time Salaries	16,773	22,276	22,276	19,607
4104	Overtime	79	-	-	100
4201	Retirement	4,207	1,985	1,985	2,006
4202	Health Insurance	2,837	1,404	1,404	1,437
4203	Vision Insurance	36	18	18	18
4204	Dental Insurance	245	123	123	123
4205	Life Insurance	31	15	15	15
4209	Disability Insurance	201	88	88	88
4210	Other	1,683	965	965	902
Total Salaries & Benefits		\$ 48,277	\$ 37,244	\$ 37,244	\$ 34,874
5107	Contract Personnel	-	5,400	5,400	5,400
5640	Equipment Maintenance	52	50	50	50
6160	Operating Supplies	359	1,300	431	1,300
Total Operating & Maintenance		\$ 411	\$ 6,750	\$ 5,881	\$ 6,750
Total Expenditures		\$ 48,688	\$ 43,994	\$ 43,125	\$ 41,624
Source of Funds					
General Fund 100		48,688	43,994	43,125	41,624
Total Source of Funds		\$ 48,688	\$ 43,994	\$ 43,125	\$ 41,624

DAY CAMP

The day camp program consists of supervised activities during the school breaks in the spring, summer, and winter months. Camp programs utilize various sites throughout Malibu, including Santa Monica-Malibu Unified School District facilities. The City offers sports camps that include baseball, basketball, flag football, soccer, softball, surfing, laser tag, tennis, volleyball, and fencing camps. In addition to athletic programming, the City also offers enrichment camps, such as art, music, science, video game design, filmmaking, animation, and Lego™ engineering.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Recreation Coordinator	0.10	0.10	0.10
Recreation Assistant	0.44	0.49	0.50
Total	0.54	0.59	0.60

EXPENDITURE DETAIL

Fund 100 - General
Program 4004 - Day Camp

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	7,056	7,128	7,128	7,794
4102	Part-Time Salaries	15,512	13,274	13,274	16,249
4104	Overtime	-	-	-	-
4201	Retirement	1,564	1,338	1,338	1,502
4202	Health Insurance	1,844	1,826	1,826	1,868
4203	Vision Insurance	30	30	30	30
4204	Dental Insurance	199	199	199	199
4205	Life Insurance	15	15	15	15
4209	Disability Insurance	69	70	70	76
4210	Other	461	653	653	746
Total Salaries & Benefits		\$ 26,750	\$ 24,533	\$ 24,533	\$ 28,479
5107	Contract Personnel	78,612	63,260	63,260	60,000
6160	Operating Supplies	6,314	8,000	6,357	6,500
Total Operating & Maintenance		\$ 84,926	\$ 71,260	\$ 69,617	\$ 66,500
Total Expenditures		\$ 111,676	\$ 95,793	\$ 94,150	\$ 94,979
Source of Funds					
General Fund 100		111,676	95,793	94,150	94,979
Total Source of Funds		\$ 111,676	\$ 95,793	\$ 94,150	\$ 94,979

YOUTH/ADULT SPORTS

Youth sports programs are designed for boys and girls from kindergarten through 8th grade. The programs are comprised of competitive and afterschool intramural sports leagues. Each sport program is led by City staff, volunteer coaches or independent contract instructors. Programs for younger athletes include flag football, basketball, coach pitch baseball, and lacrosse with the focus on sportsmanship and fun. In addition to recreation and instruction, the Middle School Sports Program, serves as a feeder program for high school athletics, for volleyball, basketball, lacrosse, cheerleading and tennis.

To serve adults in the community, an evening drop-in basketball program is offered at the Malibu High School gymnasium throughout the year. Drop-in volleyball, softball and soccer will be added to increase the amount of opportunities adults have to engage in athletics. Adult softball leagues are held in the summer and fall at Malibu Bluffs Park.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Recreation Manager	0.05	0.05	0.05
Recreation Coordinator	0.30	0.30	0.30
Recreation Assistant	0.92	0.94	0.95
Total	1.27	1.29	1.30

EXPENDITURE DETAIL

Fund 100 - General

Program 4006 - Youth/Adult Sports

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	26,674	26,570	26,570	28,669
4102	Part-Time Salaries	24,187	28,373	28,373	29,045
4104	Overtime	129	-	95	100
4201	Retirement	5,391	4,714	4,714	5,125
4202	Health Insurance	6,241	6,180	6,180	6,323
4203	Vision Insurance	97	99	99	99
4204	Dental Insurance	659	659	659	659
4205	Life Insurance	54	54	54	54
4209	Disability Insurance	258	254	254	273
4210	Other	1,199	1,866	1,866	1,935
Total Salaries & Benefits		\$ 64,889	\$ 68,769	\$ 68,864	\$ 72,282
5107	Contract Personnel	30,449	27,000	33,595	28,000
5300	Travel & Training	110	1,300	58	1,260
5330	Dues & Memberships	385	385	436	385
5340	Transportation & Mileage	455	750	-	350
5401	Advertising & Noticing	967	1,800	527	1,800
6160	Operating Supplies	22,770	24,000	24,000	23,600
Total Operating & Maintenance		\$ 55,136	\$ 55,235	\$ 58,616	\$ 55,395
Total Expenditures		\$ 120,025	\$ 124,004	\$ 127,480	\$ 127,677
Source of Funds					
General Fund 100		120,025	124,004	127,480	127,677
Total Source of Funds		\$ 120,025	\$ 124,004	\$ 127,480	\$ 127,677

COMMUNITY CLASSES

Community classes cover a broad spectrum of educational and recreational opportunities for people of all ages and interests. These classes are offered at City facilities as well as shared use facilities. Extensive after-school enrichment programs are offered at Point Dume Marine Science Elementary School.

Community partnerships have been a reoccurrence with Community Classes to increase the department's outreach efforts. Agencies such as the Los Angeles County Malibu Public Library have partnered with the City on programs such as Park Tales and the Leprechaun Gold Hunt.

Participation in recreational activities offers a variety of positive attributes to adults including meeting new people, developing a hobby, improving a skill and socializing. Tiny tot classes (newborn to age 4) focus on providing opportunities for children to learn and develop social skills. Preschool classes provide children with opportunities to develop social skills, basic motor skills, coordination, and self-expression through programs such as art classes, music and theater arts. School-aged children continue to develop social skills and explore their interests while participating in programs such as foreign language, sports, music, acting, computer, dance, and art classes.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Recreation Coordinator	0.50	0.50	0.50
Recreation Supervisor	0.00	0.10	0.10
Recreation Assistant	0.38	0.69	0.55
Total	0.88	1.29	1.15

EXPENDITURE DETAIL

Fund 100 - General

Program 4007 - Community Classes

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	25,717	41,121	41,121	38,001
4102	Part-Time Salaries	9,995	18,920	18,920	15,116
4104	Overtime	36	-	-	100
4201	Retirement	5,969	6,971	6,971	6,489
4202	Health Insurance	7,092	8,848	8,848	11,209
4203	Vision Insurance	89	110	110	110
4204	Dental Insurance	613	748	748	748
4205	Life Insurance	77	93	93	93
4209	Disability Insurance	304	403	403	370
4210	Other	1,249	2,329	2,329	2,150
Total Salaries & Benefits		\$ 51,141	\$ 79,543	\$ 79,543	\$ 74,386
5107	Contract Personnel	77,629	72,000	57,005	72,650
5300	Travel & Training	90	1,000	62	1,300
5330	Dues & Memberships	1,010	1,000	778	700
5340	Transportation & Mileage	199	350	-	335
6160	Operating Supplies	3,316	5,000	1,336	4,000
Total Operating & Maintenance		\$ 82,244	\$ 79,350	\$ 59,182	\$ 78,985
Total Expenditures		\$ 133,385	\$ 158,893	\$ 138,725	\$ 153,371
Source of Funds					
General Fund 100		133,385	158,893	138,725	153,371
Total Source of Funds		\$ 133,385	\$ 158,893	\$ 138,725	\$ 153,371

SENIOR ADULTS

Programs for seniors and active adults are offered in the City's 1,200 square foot Senior and Active Adult Center, located in the Malibu City Hall building. In addition to recreational and educational programming, outreach programs such as AARP driver safety program, health screenings, and smart money planning provide valuable information to seniors. Free informational lectures are also offered, including downsizing your house, back pain relief, and Alzheimer's awareness. During the week, the Emeritus College uses the Center to provide enrichment classes such as modern poetry, autobiography, and art appreciation. The Center is open Monday – Friday for social interaction and informational services. The Center also has access to informational resources in the form of library materials, DVD's, and computers with internet service and Wi-Fi capabilities. Fitness activities, luncheons, and monthly excursions provide a variety of opportunities for participants to become involved in community programs.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Recreation Supervisor	0.10	0.00	0.00
Recreation Coordinator	0.80	0.80	0.80
Recreation Assistant	0.56	0.63	0.83
Total	1.46	1.43	1.63

EXPENDITURE DETAIL

Fund 100 - General
Program 4008 - Senior Adults

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	59,983	50,853	50,853	53,426
4102	Part-Time Salaries	15,711	17,332	17,332	22,794
4104	Overtime	14	-	105	100
4201	Retirement	11,463	8,541	8,541	9,143
4202	Health Insurance	7,518	5,618	5,618	5,748
4203	Vision Insurance	98	82	82	82
4204	Dental Insurance	641	506	506	506
4205	Life Insurance	104	89	89	89
4209	Disability Insurance	570	498	498	524
4210	Other	2,279	2,802	2,802	3,004
Total Salaries & Benefits		\$ 98,381	\$ 86,321	\$ 86,426	\$ 95,414
5107	Contract Personnel	13,443	25,750	22,491	26,970
5205	Postage	3,200	3,800	4,145	4,200
5300	Travel & Training	1,527	1,200	1,033	1,050
5340	Transportation & Mileage	367	400	370	350
6160	Operating Supplies	11,434	11,000	12,071	11,000
6175	Recreation Transportation	-	1,500	-	1,000
6176	Recreation Trip Admissions	7,848	6,500	7,426	9,000
Total Operating & Maintenance		\$ 37,819	\$ 50,150	\$ 47,536	\$ 53,570
Total Expenditures		\$ 136,200	\$ 136,471	\$ 133,962	\$ 148,984
Source of Funds					
General Fund 100		136,200	136,471	133,962	148,984
Total Source of Funds		\$ 136,200	\$ 136,471	\$ 133,962	\$ 148,984

TEENS

Teen programs include activities, classes, and special events for youth 11 to 18 years of age. Emphasis is placed on identifying program activities that direct teens into more community based trainings, meetings, and government interaction.

The Department has begun intergenerational programs in partnership with the Malibu Senior Center. All workshops offer teens an opportunity to interact with older people at a hands-on activity or craft such as cooking, art classes or gardening.

The teen section supports the Harry Barovsky Memorial Youth Commission, which is responsible for carrying out council assignments and reporting to the City Council with their findings. The Youth Commission works with other resource agencies to implement programming and activities to meet the needs of Malibu's teen population.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Recreation Supervisor	0.30	0.30	0.30
Recreation Assistant	0.27	0.28	0.30
Total	0.57	0.58	0.60

EXPENDITURE DETAIL

Fund 100 - General
Program 4009 - Teens

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	27,559	27,050	27,050	27,591
4102	Part-Time Salaries	7,093	8,307	8,307	8,337
4104	Overtime	24	-	-	100
4201	Retirement	5,261	4,532	4,532	4,677
4202	Health Insurance	5,532	5,477	5,477	5,604
4203	Vision Insurance	55	56	56	56
4204	Dental Insurance	406	406	406	406
4205	Life Insurance	46	46	46	46
4209	Disability Insurance	262	265	265	265
4210	Other	898	1,301	1,301	1,314
Total Salaries & Benefits		\$ 47,136	\$ 47,440	\$ 47,440	\$ 48,397
5107	Contract Personnel	11,090	12,500	12,348	12,700
5300	Travel & Training	395	2,000	51	2,000
5330	Dues & Memberships	324	300	563	325
6160	Operating Supplies	3,859	4,100	3,460	4,300
6175	Recreation Transportation	1,200	1,700	-	1,400
6176	Recreation Trip Admission	-	300	-	200
Total Operating & Maintenance		\$ 16,868	\$ 20,900	\$ 16,423	\$ 20,925
Total Expenditures		\$ 64,004	\$ 68,340	\$ 63,863	\$ 69,322
Source of Funds					
General Fund 100		64,004	68,340	63,863	69,322
Total Source of Funds		\$ 64,004	\$ 68,340	\$ 63,863	\$ 69,322

PARK MAINTENANCE

The primary goal of the Park Maintenance Division is to provide safe and clean facilities while protecting the natural and cultural resources of each facility. Goals and objectives are accomplished through the maintenance of parks and facilities by reliable and well-trained staff.

Maintenance is performed at the following sites:

- Legacy Park / 17-acre passive park – walking paths, interpretive signage, educational areas, observation points, a pond, and stream
- Trancas Canyon Park / 6.5-acre park neighborhood park – dog park, playground, picnic areas, multi-purpose sports field, restrooms, and on-site parking
- Malibu Bluffs Park / 10-acre community park - 2 baseball/softball diamonds, 1 soccer field, picnic areas, activity room, office space, restrooms, maintenance building, and on-site parking
- Malibu Community Pool / 25m x 25yd pool at Malibu High School.
- Malibu High School / Gymnasium, softball field, 4 tennis courts, multi-use practice fields, and 8 outdoor basketball courts
- Malibu Equestrian Park / Two riding arenas, restrooms, and on-site parking
- Las Flores Creek Park / 4-acre park, walking trails, playground, interpretive areas, picnic areas, restrooms and on-site parking

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Parks Supervisor	1.00	1.00	1.00
Park Maintenance Worker	1.00	1.00	1.00
Recreation Assistant	0.34	0.52	0.52
Total	2.34	2.52	2.52

EXPENDITURE DETAIL

Fund 100 - General

Program 4010 - Park Maintenance

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	142,081	141,326	141,326	145,756
4102	Part-Time Salaries	10,962	15,271	15,271	15,422
4104	Overtime	1,049	-	951	100
4201	Retirement	26,943	23,310	23,310	24,335
4202	Health Insurance	36,879	36,515	36,515	37,362
4203	Vision Insurance	589	601	601	601
4204	Dental Insurance	3,985	3,985	3,985	3,985
4205	Life Insurance	309	309	309	309
4209	Disability Insurance	1,358	1,385	1,385	1,422
4210	Other	4,871	6,653	6,653	6,760
Total Salaries & Benefits		\$ 229,026	\$ 229,355	\$ 230,306	\$ 236,052
5100	Professional Services	151,026	173,000	158,431	173,000
5121	Median Maintenance	909	-	-	-
5127	Weed Abatement	-	10,600	5,105	20,000
5130	Parks Maintenance	97,185	117,000	160,000	120,000
5300	Travel & Training	2,478	2,000	1,274	2,000
5610	Facilities Maintenance	20,905	20,000	14,849	20,000
5640	Equipment Maintenance	1,047	1,300	-	1,300
5710	Facilities Rent	4,974	4,700	4,592	4,700
5721	Telephone	4,694	5,300	5,968	5,300
5722	Electricity	10,316	15,900	8,847	15,000
5723	Water	102,410	120,000	55,865	120,000
6160	Operating Supplies	11,689	15,000	10,840	15,000
6300	Tools & Minor Equipment	3,947	5,900	5,554	4,000
6400	Clothing & Emergency Gear	1,251	1,600	2,020	1,400
6600	Equipment Parts	162	1,000	-	1,000
Total Operating & Maintenance		\$ 412,993	\$ 493,300	\$ 433,347	\$ 502,700
7300	Capital Outlay	-	-	-	80,000
Total Capital Outlay		\$ -	\$ -	\$ -	\$ 80,000
8100	Vehicle Allocation	10,000	10,000	10,000	10,000
8500	Information Systems Allocation	3,500	3,500	3,500	3,500
Total Internal Service Charges		\$ 13,500	\$ 13,500	\$ 13,500	\$ 13,500
Total Expenditures		\$ 655,519	\$ 736,155	\$ 677,153	\$ 832,252
Source of Funds					
General Fund 100		655,519	736,155	677,153	832,252
Total Source of Funds		\$ 655,519	\$ 736,155	\$ 677,153	\$ 832,252

SPECIAL EVENTS

In addition to the multi-event outdoor movie program, the Parks and Recreation Department sponsors five major special events each year: Easter Hoppening, Breakfast with Santa, Halloween Haunt, Student Art Show, and Chumash Day. Smaller events held during the year include, Tiny Tot Olympics, CineMalibu, and a summer tiny tot event in the park. Local non-profit groups, including Kiwanis, the Optimist Club, the Boys and Girls Club, and the Malibu Public Library, often co-sponsor events, adding an additional layer of community support and spirit.

The Parks and Recreation Department also works with the Cultural Arts Commission to produce small events like the ongoing Malibu Salon Series and events associated with the arts. The Department also coordinates the annual Malibu Library Speaker Series with the Malibu Library.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Recreation Manager	0.10	0.05	0.05
Recreation Supervisor	0.55	0.55	0.55
Recreation Coordinator	0.60	0.60	0.60
Recreation Assistant	0.56	0.62	0.62
Total	1.81	1.82	1.82

EXPENDITURE DETAIL

Fund 100 - General

Program 4011 - Special Events

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	99,982	94,589	94,589	96,338
4102	Part-Time Salaries	14,183	17,301	17,301	17,599
4104	Overtime	27	-	-	100
4201	Retirement	19,121	15,693	15,693	16,180
4202	Health Insurance	19,504	18,609	18,609	19,902
4203	Vision Insurance	233	229	229	229
4204	Dental Insurance	1,637	1,576	1,576	1,576
4205	Life Insurance	184	177	177	177
4209	Disability Insurance	961	919	919	926
4210	Other	3,308	4,449	4,449	4,495
Total Salaries & Benefits		\$ 159,140	\$ 153,542	\$ 153,542	\$ 157,522
5107	Contract Personnel	9,321	10,700	12,267	24,000
5330	Dues & Memberships	974	1,000	711	4,050
5401	Advertising & Noticing	2,028	4,500	4,296	4,850
5640	Equipment Maintenance	-	400	16	400
6160	Operating Supplies	19,838	23,600	25,028	23,100
6175	Recreation Transportation	1,825	2,000	2,684	2,200
Total Operating & Maintenance		\$ 33,986	\$ 42,200	\$ 45,002	\$ 58,600
8500	Information Systems Allocation	3,500	3,500	3,500	3,500
Total Internal Service Charges		\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500
Total Expenditures		\$ 196,626	\$ 199,242	\$ 202,044	\$ 219,622
Source of Funds					
General Fund 100		196,626	199,242	202,044	219,622
Total Source of Funds		\$ 196,626	\$ 199,242	\$ 202,044	\$ 219,622

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ENVIRONMENTAL SUSTAINABILITY DEPARTMENT

Department Expenditures by Program

Department	Program	2014-15 Actual	2015-16 Budgeted	2015-16 Projected	2016-17 Proposed
2004	Building Safety	1,696,555	1,578,494	1,716,167	1,790,105
2010	Wastewater Management	599,506	742,631	706,377	669,091
3003	Clean Water	634,373	561,881	523,041	545,159
3004	Solid Waste Management	132,745	147,363	115,022	133,190
Total		\$ 3,063,179	\$ 3,030,369	\$ 3,060,608	\$ 3,137,545

BUILDING SAFETY

Responsibilities of the Building Safety Division include Permit Services, Building Plan Check, Building Inspection, Permit Issuance, Onsite Wastewater Treatment System Installation Inspections, Geotechnical Plan Review, Grading & Drainage Plan Check, and Grading & Drainage Inspections. This program is committed to providing outstanding customer service while ensuring that each construction project complies with all applicable codes and ordinances to safeguard the protection of the health and safety of the public, public and private property, and the environment while considering sustainability and green building strategies.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
ESD Director/Building Official	0.25	0.25	0.25
ESD Mgr./Deputy Building Official	0.50	0.50	0.50
Certified Plans Examiner	1.00	1.00	1.00
Senior Building Inspector	1.00	1.00	1.00
Building Inspector	2.00	2.00	2.00
Senior Permit Services Technician	2.00	2.00	2.00
Senior Administrative Assistant	1.00	1.00	1.00
Office Assistant	0.50	0.50	0.50
Total	8.25	8.25	8.25

EXPENDITURE DETAIL

Fund 101 - General
Program 2004 - Building Safety Inspections

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	631,792	662,032	662,032	668,580
4102	Part-Time Salaries	15,372	14,902	14,902	15,901
4104	Overtime	470	1,000	365	1,000
4201	Retirement	119,795	108,456	108,456	104,062
4202	Health Insurance	95,496	94,887	94,887	102,947
4203	Vision Insurance	1,270	1,314	1,314	1,531
4204	Dental Insurance	8,607	8,762	8,762	10,209
4205	Life Insurance	1,134	1,146	1,146	1,168
4208	Deferred Compensation	750	750	750	750
4209	Disability Insurance	6,264	5,983	5,983	6,038
4210	Other	20,912	27,242	27,242	27,399
Total Salaries & Benefits		\$ 901,862	\$ 926,474	\$ 925,839	\$ 939,585
5100	Professional Services	708,424	552,500	703,812	750,000
5205	Postage	-	120	-	120
5210	Service Fees and Charges	5,203	7,500	10,847	7,500
5300	Travel & Training	7,992	10,000	8,401	9,000
5330	Dues & Memberships	1,597	2,000	1,457	2,000
5340	Mileage	2,280	2,000	1,135	2,000
5401	Advertising & Noticing	360	400	-	400
5405	Printing	2,365	2,000	-	2,000
5415	Public Records Printing	10,632	13,000	4,509	13,000
5721	Telephone	2,492	2,500	2,479	2,500
6130	Records Retention	340	1,500	4,581	4,000
6160	Operating Supplies	1,963	3,500	2,379	3,000
6200	Publications	929	4,000	729	4,000
6400	Clothing & Emergency Gear	116	1,000	-	1,000
Total Operating & Maintenance		\$ 744,693	\$ 602,020	\$ 740,328	\$ 800,520
8100	Vehicle Allocation	15,000	15,000	15,000	15,000
8500	Information Systems Allocation	35,000	35,000	35,000	35,000
Total Internal Service Charges		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Total Expenditures		\$ 1,696,555	\$ 1,578,494	\$ 1,716,167	\$ 1,790,105
Source of Funds					
General Fund 101		1,696,555	1,578,494	1,716,167	1,790,105
Total Source of Funds		\$ 1,696,555	\$ 1,578,494	\$ 1,716,167	\$ 1,790,105

WASTEWATER MANAGEMENT PROGRAM

The Wastewater Management Program administers permitting, plan review, and oversight programs for onsite wastewater treatment systems (OWTS). Wastewater Management staff review development projects for OWTS compliance with Local Coastal Program requirements and State and local ordinances. The Statewide OWTS Policy has recently established minimum requirements for local agencies permitting OWTS, and Wastewater Management staff is working to bring City codes and OWTS guidelines into conformance with these requirements. Program staff acts as liaison for the City's Wastewater Advisory Committee, and is contributing technical input to the development of the City's proposed Civic Center Wastewater Treatment Facility. Wastewater Management staff also assist City Code Enforcement and Clean Water Program personnel in conducting investigations of wastewater related spills and illicit discharges. The program is funded through plan review fees and OWTS permit fees. Additional revenues may be derived from grant funding.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
ESD Director/Building Official	0.25	0.25	0.25
ESD Mgr./Deputy Building Official	0.50	0.50	0.50
Environmental Programs Manager	1.00	1.00	0.00
Environmental Health Administrator	0.00	0.00	1.00
WW Management Program Analyst	1.00	1.00	1.00
Senior Office Assistant	0.00	0.00	1.00
Office Assistant	1.00	1.00	0.00
Total	3.75	3.75	3.75

EXPENDITURE DETAIL

Fund 101 - General
Program 2010 - Wastewater Management

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	340,579	339,395	339,395	314,126
4104	Overtime	1,025	-	-	-
4201	Retirement	63,212	55,501	55,501	52,013
4202	Health Insurance	45,036	44,591	44,591	49,648
4203	Vision Insurance	648	661	661	760
4204	Dental Insurance	4,325	4,325	4,325	5,005
4205	Life Insurance	572	572	572	594
4208	Deferred Compensation	750	750	750	750
4209	Disability Insurance	3,208	2,620	2,620	2,641
4210	Other	9,595	13,316	13,316	12,654
Total Salaries & Benefits		\$ 468,950	\$ 461,731	\$ 461,731	\$ 438,191
5100	Professional Services	118,023	265,000	231,193	215,000
5300	Travel & Training	230	2,500	1,220	2,500
5330	Dues & Memberships	527	550	-	550
5340	Transportation & Mileage	-	100	-	100
5405	Printing	-	150	-	150
5721	Telephone	1,276	1,200	1,450	1,200
6160	Operating Supplies	-	900	284	900
Total Operating & Maintenance		\$ 120,056	\$ 270,400	\$ 234,146	\$ 220,400
8500	Information Systems Allocation	10,500	10,500	10,500	10,500
Total Internal Service Charges		\$ 10,500	\$ 10,500	\$ 10,500	\$ 10,500
Total Expenditures		\$ 599,506	\$ 742,631	\$ 706,377	\$ 669,091
Source of Funds					
General Fund 101		599,506	742,631	706,377	669,091
Total Source of Funds		\$ 599,506	\$ 742,631	\$ 706,377	\$ 669,091

CLEAN WATER PROGRAM

This program aims to protect local surface waters (creeks, streams, and the ocean) with actions that minimize and eliminate impacts of human activities that could adversely affect water quality and water supply. Program assignments are implemented using a multi-prong and holistic approach that includes education, outreach, conservation, and regulatory compliance projects.

The Clean Water program is tasked with conforming to mandates promulgated by the Federal Clean Water Act and State Porter Cologne Act to implement water quality and water conservation policy, and prevent or abate discharges of waste to receiving water by curbing residential, commercial, and municipal sources of pollution. Program tools include using and promoting best management practices, inspections of commercial and construction operations, encouraging community stewardship, and ensuring low impact development requirements are implemented citywide. As a local agency partner in several regional clean water regulations and initiatives, the program contributes support to various water quality control projects and studies within the coastal watersheds of the North Santa Monica Bay, including the Malibu Creek and Lagoon Watershed.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
ESD Director/Building Official	0.25	0.25	0.25
Sr. Env. Programs Coordinator	0.80	0.80	0.80
Environmental Programs Specialist	1.00	1.00	1.00
Administrative Assistant	1.00	1.00	1.00
Total	3.05	3.05	3.05

EXPENDITURE DETAIL

Fund 101 - General
Program 3003 - Clean Water Program

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	233,818	249,703	249,703	254,875
4104	Overtime	1,103	1,000	3,179	1,000
4201	Retirement	37,923	34,477	34,477	35,520
4202	Health Insurance	32,000	34,057	34,057	34,847
4203	Vision Insurance	418	455	455	455
4204	Dental Insurance	2,793	2,997	2,997	2,997
4205	Life Insurance	456	486	486	486
4208	Deferred Compensation	750	750	750	750
4209	Disability Insurance	2,282	2,153	2,153	2,215
4210	Other	5,792	10,087	10,087	10,214
Total Salaries & Benefits		\$ 317,335	\$ 336,165	\$ 338,344	\$ 343,359
5100	Professional Services	300,397	131,166	90,200	182,000
5100-01	Water Conservation	-	75,000	75,000	-
5205	Postage	-	500	-	500
5300	Travel & Training	4,786	6,500	6,857	6,500
5330	Dues & Memberships	984	750	722	1,000
5340	Mileage	417	300	62	300
5401	Advertising & Noticing	593	1,500	2,095	1,500
5405	Printing	1,367	1,500	1,380	1,500
6160	Operating Supplies	1,494	1,500	1,381	1,500
Total Operating & Maintenance		\$ 310,038	\$ 218,716	\$ 177,697	\$ 194,800
8500	Information Systems Allocation	7,000	7,000	7,000	7,000
Total Internal Service Charges		\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000
Total Expenditures		\$ 634,373	\$ 561,881	\$ 523,041	\$ 545,159
Source of Funds					
General Fund 101		304,373	186,881	148,041	245,159
Legacy Park Fund 500		330,000	375,000	375,000	300,000
Total Source of Funds		\$ 634,373	\$ 561,881	\$ 523,041	\$ 545,159

SOLID WASTE MANAGEMENT

The Solid Waste Management program implements the City's waste reduction, recycling, household hazardous waste, hauling policies, and other programmatic elements to meet the diversion requirements mandated by the California Integrated Waste Management Act (AB 939) and subsequent state waste management laws. Activities include: residential curbside collection of recyclable post-consumer and green wastes, and refuse; commercial waste disposal and recycling program requirements; special collection events for hard to dispose of items; and public outreach.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
ESD Director/Building Official	0.25	0.25	0.25
Sr. Env. Programs Coordinator	0.20	0.20	0.20
Total	0.45	0.45	0.45

EXPENDITURE DETAIL

Fund 207 - Waste Management
Program 3004 - Solid Waste Management

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	64,533	64,087	64,087	61,716
4104	Overtime	235	1,000	571	1,000
4201	Retirement	12,245	10,480	10,480	10,219
4202	Health Insurance	4,610	4,564	4,564	4,670
4203	Vision Insurance	61	62	62	62
4204	Dental Insurance	403	403	403	403
4205	Life Insurance	128	128	128	128
4208	Deferred Compensation	750	750	750	750
4209	Disability Insurance	622	397	397	397
4210	Other	1,228	1,908	1,908	1,845
Total Salaries & Benefits		\$ 84,815	\$ 83,779	\$ 83,350	\$ 81,190
5100	Professional Services	27,478	50,000	28,244	40,000
5401	Advertising & Noticing	3,937	4,000	1,349	4,000
5405	Printing	-	500	-	500
5850	Recycling Supplies	14,435	6,584	-	5,000
6160	Operating Supplies	2,080	2,500	2,079	2,500
Total Operating & Maintenance		\$ 47,930	\$ 63,584	\$ 31,672	\$ 52,000
Total Expenditures		\$ 132,745	\$ 147,363	\$ 115,022	\$ 133,190
Source of Funds					
Solid Waste Management Fund 207		132,745	147,363	115,022	133,190
Total Source of Funds		\$ 132,745	\$ 147,363	\$ 115,022	\$ 133,190

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PLANNING

Department Expenditures by Program

Department	Program	2014-15 Actual	2015-16 Budgeted	2015-16 Projected	2016-17 Proposed
2001	Planning	1,921,807	2,359,812	2,090,752	2,592,536
2012	Code Enforcement	200,462	217,770	209,787	225,486
	Total	\$ 2,122,269	\$ 2,577,582	\$ 2,300,539	\$ 2,818,022

PLANNING DEPARTMENT

The Planning Department is responsible for assisting the community in planning for the future, helping manage development consistent with the community vision and meeting City regulatory obligations. Planning Department staff provide professional advice and services in a wide range of areas to members of the public, applicants, outside agencies, the Planning Commission, and the City Council. The staff is also actively engaged with regional and State agency planning efforts. The Planning Department includes Current and Long Range Planning, Biological Services, and Code Enforcement.

Current planning responsibilities include reviewing entitlement requests for conformance with the City's planning policies and standards and conducting environmental review pursuant to the California Environmental Quality Act (CEQA). Other responsibilities include providing information and assistance to community members and applicants on zoning regulations, permit requirements, ongoing projects, and related building and development issues through staffing the public counter, publishing information online and through social media, and responding to public records requests. Email and telephone planning hotlines are also maintained to answer questions within 24 hours.

Long range planning responsibilities include maintaining and updating the General Plan, Zoning Ordinance, and Local Coastal Program (LCP) in response to City Council priorities, regulatory changes and community needs. Responsibilities also include preparation of special studies and plans as requested by the Planning Commission and City Council, and coordination with other agencies (such as the California Coastal Commission and Southern California Association of Governments) on multi-jurisdictional matters such as recreational access/trails, natural resources, affordable housing and transportation planning. Mapping and data services to support planning functions and other City services, especially utilizing Geographic Information Systems, are also provided.

Biological services include review of project biology reports, landscape plans and landscape water conservation compliance, as well as staff support to the Environmental Review Board and the maintenance of Environmental Sensitive Habitat Area (ESHA) maps.

The Planning Department provides staff support to the Planning Commission, Zoning Ordinance Revisions and Code Enforcement Subcommittee (ZORACES), Environmental Review Board and the Subdivision Review Committee. Staff also supports project-specific committees such as the Civic Center Design Standards Task Force.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Planning Director	1.00	1.00	1.00
Planning Manager	1.00	1.00	1.00
Senior Planner	3.00	2.00	3.00
Associate Planner	2.00	4.00	3.00
Assistant Planner	1.00	2.00	2.00
Planning Technician	2.00	2.00	2.00
Senior Administrative Analyst	1.00	1.00	1.00
Administrative Analyst	1.00	0.00	0.00
Senior Administrative Assistant	0.00	1.00	1.00
Office Assistant	3.00	3.00	3.00
Planning Intern	0.50	0.50	0.50
Total	15.50	17.50	17.50

EXPENDITURE DETAIL

Fund 101 - General
Program 2001 - Current/Advanced Planning

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	1,015,345	1,256,053	1,256,053	1,279,333
4102	Part-Time Salaries	2,333	14,902	7,181	15,285
4104	Overtime	22,420	10,000	22,000	20,000
4201	Retirement	151,231	187,307	187,307	166,048
4202	Health Insurance	151,387	196,872	196,872	218,031
4203	Vision Insurance	2,010	2,776	2,776	3,097
4204	Dental Insurance	13,826	18,345	18,345	20,599
4205	Life Insurance	1,796	2,511	2,511	2,559
4208	Deferred Compensation	2,423	3,000	3,000	3,000
4209	Disability Insurance	9,167	11,433	11,433	11,445
4210	Other	35,302	53,713	53,713	54,239
Total Salaries & Benefits		\$ 1,407,240	\$ 1,756,912	\$ 1,761,191	\$ 1,793,636
5100	Professional Services	320,252	413,000	144,437	626,000
5100-01	Coastal Dev. Permit Services	67,344	61,000	58,296	61,000
5107	Contract Personnel	12,590	-	22,751	-
5205	Postage	107	300	-	300
5210	Service Fees & Charges	16,247	15,000	14,029	15,000
5300	Travel & Training	3,441	6,000	3,260	6,000
5330	Dues & Memberships	3,445	4,500	3,611	4,500
5340	Mileage	680	2,000	819	2,000
5401	Advertising & Noticing	21,907	25,000	9,944	12,000
5405	Printing	-	1,500	-	1,500
5721	Telephone	621	600	671	600
6160	Operating Supplies	9,548	7,500	6,611	5,000
6200	Publications	2,385	3,500	2,132	2,000
Total Operating & Maintenance		\$ 458,567	\$ 539,900	\$ 266,560	\$ 735,900
8500	Information Systems Allocation	56,000	63,000	63,000	63,000
Total Internal Service Charges		\$ 56,000	\$ 63,000	\$ 63,000	\$ 63,000
Total Expenditures		\$ 1,921,807	\$ 2,359,812	\$ 2,090,752	\$ 2,592,536
Source of Funds					
General Fund 101		1,921,807	2,359,812	2,090,752	2,592,536
Total Source of Funds		\$ 1,921,807	\$ 2,359,812	\$ 2,090,752	\$ 2,592,536

CODE ENFORCEMENT

Code Enforcement is responsible for enforcement of the Malibu Municipal Code, the City's Local Coastal Program, Building Code, and other State and County laws to promote and protect public health, safety and welfare, and the environment. These duties involve responding to questions on a wide range of code compliance areas from members of the public and outside agencies, and taking in and investigating formal complaints. Code Enforcement performs investigations using records, permitting data and extensive field investigation. Staff also works closely with property owners or other responsible parties to determine the appropriate course of action to resolve issues, and provide assistance through the abatement process.

Code Enforcement actively interacts with other City staff (specifically, Planning, Building Safety, Geology, Environmental Health and Public Works staff) and State and County agencies to share information, clarify requirements, and coordinate solutions for code compliance issues. In cases where standard abatement processes are not successful, the Code Enforcement program works with the City Attorney and City Prosecuting Attorney on administrative remedies and, when necessary, litigation.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Sr. Code Enforcement Officer	1.00	1.00	1.00
Code Enforcement Officer	2.00	1.00	1.00
Total	3.00	2.00	2.00

EXPENDITURE DETAIL

Fund 101 - General
Program 2012 - Code Enforcement

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	125,335	135,365	135,365	136,267
4104	Overtime	185	2,000	2,000	2,000
4201	Retirement	18,260	16,290	16,290	22,563
4202	Health Insurance	29,882	28,089	28,089	28,740
4203	Vision Insurance	401	373	373	369
4204	Dental Insurance	2,865	2,706	2,706	2,579
4205	Life Insurance	248	309	309	309
4209	Disability Insurance	1,405	1,327	1,327	1,335
4210	Other	4,175	6,111	6,111	6,125
Total Salaries & Benefits		\$ 182,756	\$ 192,570	\$ 192,570	\$ 200,286
5100	Professional Services	-	5,000	1,000	5,000
5210	Service Fees & Charges	9	300	59	300
5300	Travel & Training	-	2,600	-	2,600
5330	Dues & Memberships	150	250	93	250
5340	Transportation & Mileage	-	250	85	250
5721	Telephone	571	600	480	600
6160	Operating Supplies	1,476	700	-	700
Total Operating & Maintenance		\$ 2,206	\$ 9,700	\$ 1,717	\$ 9,700
8100	Vehicle Allocation	5,000	5,000	5,000	5,000
8500	Information Systems Allocation	10,500	10,500	10,500	10,500
Total Internal Service Charges		\$ 15,500	\$ 15,500	\$ 15,500	\$ 15,500
Total Expenditures		\$ 200,462	\$ 217,770	\$ 209,787	\$ 225,486
Source of Funds					
General Fund 101		200,462	217,770	209,787	225,486
Total Source of Funds		\$ 200,462	\$ 217,770	\$ 209,787	\$ 225,486

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PUBLIC WORKS

Department Expenditures by Program

Department	Program	2014-15 Actual	2015-16 Budgeted	2015-16 Projected	2016-17 Proposed
3001	Street Maintenance	1,265,141	1,351,579	1,221,289	1,405,961
3005	Fleet Operations	37,926	71,000	58,447	86,000
3007	Stormwater Treatment Facilities	193,548	344,000	234,412	313,000
3008	Public Works Engineering	837,254	1,037,088	999,902	1,207,510
6002-4	Landslide Maint. Districts	367,008	428,283	356,701	558,120
Total		\$ 2,700,877	\$ 3,231,950	\$ 2,870,752	\$ 3,570,591

STREET MAINTENANCE

The Street Maintenance Program is responsible for all activities related to the repair, replacement, and maintenance of 45 centerline miles of City-owned streets. The replacement value of 7,000,000 square feet of pavement is approximately \$42,000,000 at the current cost of \$6.00 per square foot.

Street Maintenance activities are funded through the General Fund, Gas Tax, Traffic Safety Funds and Waste Management Funds.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Public Works Superintendent	0.80	0.80	0.80
Senior Public Works Inspector	0.80	0.80	0.80
Total	1.60	1.60	1.60

EXPENDITURE DETAIL

Fund 100 - General Fund
Program 3001 - Street Maintenance

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	140,102	138,020	138,020	148,239
4104	Overtime	3,089	1,500	1,500	1,500
4201	Retirement	25,573	22,570	22,570	24,545
4202	Health Insurance	29,504	29,212	29,212	29,890
4203	Vision Insurance	471	481	481	481
4204	Dental Insurance	3,188	3,188	3,188	3,188
4205	Life Insurance	247	247	247	247
4209	Disability Insurance	1,292	1,214	1,214	1,271
4210	Other	4,183	5,647	5,647	5,900
Total Salaries & Benefits		\$ 207,649	\$ 202,079	\$ 202,079	\$ 215,261
5100	Professional Services	-	25,000	38,182	25,000
5120	Street Maintenance	616,404	590,000	590,000	605,000
5121-01	Street Sweeping	84,320	85,000	75,655	85,000
5123	Storm Response	57,600	25,000	85,839	25,000
5123.01	Culvert Cleaning	38,570	74,000	41,520	74,000
5124	Traffic Signal Maintenance	38,473	45,000	30,957	45,000
5126	Wall/Sidewalk Maintenance	23,825	35,000	16,858	85,000
5127	Weed Abatement	24,200	40,000	-	40,000
5200	Tree Maintenance	40,994	75,000	3,802	45,000
5300	Travel & Training	1,218	2,000	889	2,000
5721	Telephone	640	3,500	4,213	4,700
5722	Electricity	24,710	33,000	21,761	33,000
5725	Trash Pickup/Recycling	39,074	45,000	45,017	45,000
6160	Operating Supplies	35,893	55,000	47,517	50,000
Total Operating & Maintenance		\$ 1,025,921	\$ 1,132,500	\$ 1,002,210	\$ 1,163,700
7800	Equipment	14,571	-	-	10,000
Total Capital Outlay		\$ 14,571	\$ -	\$ -	\$ 10,000
8100	Vehicle Allocation	10,000	10,000	10,000	10,000
8500	Information Systems Allocation	7,000	7,000	7,000	7,000
Total Internal Services		\$ 17,000	\$ 17,000	\$ 17,000	\$ 17,000
Total Expenditures		\$ 1,265,141	\$ 1,351,579	\$ 1,221,289	\$ 1,405,961
Source of Funds					
General Fund 100		450,141	631,579	626,289	875,961
Gas Tax Fund 201		465,000	300,000	275,000	250,000
Traffic Safety Fund 202		350,000	400,000	300,000	250,000
Solid Waste Management Fund 207		-	20,000	20,000	30,000
Total Source of Funds		\$ 1,265,141	\$ 1,351,579	\$ 1,221,289	\$ 1,405,961

FLEET OPERATIONS

The Fleet Operations program is responsible for the cost-effective repair, preventative maintenance, fueling, and eventual replacement of the City's vehicle fleet. This program has also implemented clean air programs relative to vehicles to ensure that the City is doing its part to reduce pollution and improve air quality. The City currently maintains an Electric Vehicle Charging Station in the Malibu Civic Center area.

Fleet Operations are accounted for in the Vehicle Fund, which generates revenue by charging each department with maintenance and rental fees. The City's fleet of twelve vehicles includes two pickup trucks, four sport utility vehicles, and six sedans. Of these twelve vehicles, seven operate on gasoline and five are hybrids.

EXPENDITURE DETAIL

Fund 601 - Vehicle; Fund 206 - Air Quality
 Program 3005 - Fleet Operations

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
5610	Facility Maintenance	-	2,000	2,000	2,000
5722	Electricity	6,983	9,000	6,469	9,000
6330	Vehicle Maintenance	12,642	15,000	12,311	15,000
6500	Motor Fuel	18,301	25,000	17,667	25,000
Total Operating & Maintenance		\$ 37,926	\$ 51,000	\$ 38,447	\$ 51,000
7700	Equipment - Vehicles	-	-	-	35,000
7800	Equipment	-	20,000	20,000	-
Total Capital Outlay		\$ -	\$ 20,000	\$ 20,000	\$ 35,000
Total Expenditures		\$ 37,926	\$ 71,000	\$ 58,447	\$ 86,000
Source of Funds					
Air Quality Management Fund 206		-	20,000	20,000	-
Vehicle Fund 601		37,926	51,000	38,447	86,000
Total Source of Funds		\$ 37,926	\$ 71,000	\$ 58,447	\$ 86,000

STORMWATER TREATMENT FACILITIES

In 2007, the City completed the construction of the Civic Center Stormwater Treatment Facility. This facility was the first major component in the implementation of the Malibu Civic Center Integrated Water Quality Management Plan. The facility is a key element in Legacy Park and is designed to reduce pollution in the Malibu Creek, Malibu Lagoon and Surfrider Beach.

Dry-weather and first flush runoff flows, pumped from three major storm drains in the Civic Center area, are treated in a 3-step process of screening, filtering and disinfecting at a rate of up to 1,400 gallons per minute. The City reuses the treated water for irrigation of landscaping in the Civic Center area and Legacy Park.

In 2010, the City also constructed the Paradise Cove Stormwater Treatment Facility. This facility is designed to capture, clean and disinfect up to approximately 1,000 gallons per minute of stormwater and urban runoff from Ramirez Creek and the surrounding watershed. The facility has three different filtration systems to efficiently remove trash, sediment and bacteria.

The budget for Fiscal Year 2016-2017 includes \$50,000 for capital equipment upgrades.

Facility Maintenance activities are funded by the General Fund and the Legacy Park Project Fund.

EXPENDITURE DETAIL

Fund 100 - General Fund
Program 3007 - Stormwater Treatment Facilities

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
5610	Facilities Maintenance (Civic Center)	91,484	64,000	70,639	64,000
5610-01	Facilities Maintenance (Paradise Cove)	35,243	32,000	20,000	32,000
5655	Stormwater Monitoring	-	55,000	55,000	55,000
5656	Water Quality Testing & Monitoring	-	61,000	30,000	30,000
5721	Telephone	1,739	2,000	1,760	2,000
5722	Electricity	37,273	72,000	21,757	72,000
5723	Water	6,250	8,000	5,257	8,000
Total Operating & Maintenance		\$ 171,989	\$ 294,000	\$ 204,412	\$ 263,000
7800	Equipment (Civic Center)	21,559	50,000	30,000	40,000
7800	Equipment (Paradise Cove)	-	-	-	10,000
Total Capital Outlay		\$ 21,559	\$ 50,000	\$ 30,000	\$ 50,000
Total Expenditures		\$ 193,548	\$ 344,000	\$ 234,412	\$ 313,000
Source of Funds					
General Fund 100		18,548	44,000	14,412	13,000
Legacy Park Fund 500		175,000	300,000	220,000	300,000
Total Source of Funds		\$ 193,548	\$ 344,000	\$ 234,412	\$ 313,000

PUBLIC WORKS/ENGINEERING

The Public Works/Engineering Department manages the development and implementation of the Capital Improvement Program, street and maintenance programs, and engineering activities for the City including: review of proposed land development, formation of new special assessment districts, and the issuance of Special Event and Encroachment Permits.

Land development review involves the review of all new building and or grading permit applications for impacts to public infrastructure, off-site drainage impacts, stormwater quality and flood plain management. It also involves review of all proposed land subdivisions in accordance with the Subdivision Map Act.

The Public Works/Engineering Department also provides staff support for the creation of various utility undergrounding districts, manages the implementation of capital improvement and emergency disaster projects, conducts traffic surveys, and manages the preservation of survey monuments that control the location of subdivision boundaries and road right-of-way centerlines.

Public Works/Engineering activities are funded by the General Fund, Gas Tax, Measure R and Traffic Safety Funds.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Public Works Director	0.90	0.90	0.90
Assistant Public Works Director	1.00	1.00	1.00
Associate Civil Engineer	0.00	0.00	1.00
Assistant Civil Engineer	1.00	1.00	2.00
Public Works Superintendent	0.20	0.20	0.20
Senior Public Works Inspector	0.20	0.20	0.20
Administrative Analyst	1.00	1.00	1.00
Administrative Assistant	1.00	1.00	1.00
Total	5.30	5.30	7.30

EXPENDITURE DETAIL

Fund 100 - General

Program 3008 - Public Works/Engineering

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	415,294	550,752	550,752	717,829
4104	Overtime	862	2,500	2,500	2,500
4201	Retirement	93,523	82,562	82,562	110,972
4202	Health Insurance	66,548	68,274	68,274	86,122
4203	Vision Insurance	1,172	1,195	1,195	1,399
4204	Dental Insurance	7,841	7,841	7,841	9,105
4205	Life Insurance	981	981	981	1,203
4208	Deferred Compensation	2,700	2,700	2,700	2,700
4209	Disability Insurance	5,217	4,117	4,117	5,673
4210	Other	12,671	18,616	18,616	25,507
Total Salaries & Benefits		\$ 606,809	\$ 739,538	\$ 739,538	\$ 963,010
5100	Professional Services	113,694	88,550	79,057	100,000
5107	Contract Personnel	-	25,000	25,000	25,000
5125	Traffic Engineering	35,116	136,000	122,065	70,000
5205	Postage	26	500	335	500
5210	Service Fees and Charges	8,740	12,000	7,493	12,000
5300	Travel & Training	2,303	3,500	2,423	5,000
5330	Dues & Memberships	1,534	2,200	1,219	2,200
5340	Mileage	-	2,000	21	2,000
5401	Advertising & Noticing	-	1,500	-	1,500
5405	Printing	-	500	-	500
5721	Telephone	1,280	1,300	1,645	1,300
6120	Computer Software	1,635	1,000	-	1,000
6160	Operating Supplies	3,617	6,000	3,607	6,000
Total Operating & Maintenance		\$ 167,945	\$ 280,050	\$ 242,864	\$ 227,000
7800	Other Equipment	45,000	-	-	-
Total Capital Outlay		\$ 45,000	\$ -	\$ -	\$ -
8500	Information Systems Allocation	17,500	17,500	17,500	17,500
Total Internal Service Charges		\$ 17,500	\$ 17,500	\$ 17,500	\$ 17,500
Total Expenditures		\$ 837,254	\$ 1,037,088	\$ 999,902	\$ 1,207,510
Source of Funds					
General Fund 100		690,554	943,538	906,352	937,510
Gas Tax Fund 201		35,000	35,000	35,000	35,000
Traffic Safety Fund 202		23,000	23,000	23,000	23,000
Measure R Highway Operational Fund		-	-	-	212,000
Office of Traffic Safety Grant Fund 217		88,700	35,550	35,550	-
Total Source of Funds		\$ 837,254	\$ 1,037,088	\$ 999,902	\$ 1,207,510

LANDSLIDE MAINTENANCE DISTRICTS

The Landslide Maintenance District Program provides administration and maintenance services for three separate assessment districts including approximately 327 properties in the Big Rock Mesa area, 75 properties in the Calle Del Barco area, and 38 properties in the Malibu Road area. Each year the City renews each assessment district through legal procedures defined in the Streets and Highways code. Property owners within each district pay for the services received through annual assessments levied against the properties by the Los Angeles County Assessor's Office.

The program's administrative and maintenance services include the installation and maintenance of dewatering wells, monitoring water levels and slide activities, and preparation of annual assessment and geology reports.

Staffing	2014-15 Actual	2015-16 Budget	2016-17 Proposed
Public Works Director	0.10	0.10	0.10
Total	0.10	0.10	0.10

EXPENDITURE DETAIL

Fund 290 - Big Rock Mesa Landslide Maintenance District (LMD)

Program 6002 - Big Rock Mesa LMD

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	9,682	8,788	8,788	8,963
4201	Retirement	1,679	1,437	1,437	1,484
4202	Health Insurance	922	913	913	934
4203	Vision Insurance	15	15	15	15
4204	Dental Insurance	100	100	100	100
4205	Life Insurance	21	22	22	22
4208	Deferred Compensation	150	150	150	150
4209	Disability Insurance	85	44	44	44
4210	Other	141	225	225	230
Total Salaries & Benefits		\$ 12,795	\$ 11,694	\$ 11,694	\$ 11,942
5100	Professional Services	220,660	265,773	231,088	265,179
5210	Service Fees & Charges	6,947	9,000	7,736	9,000
5401	Advertising & Noticing	100	240	150	240
5722	Electricity	16,769	22,000	13,044	18,000
Total Operating & Maintenance		\$ 244,476	\$ 297,013	\$ 252,018	\$ 292,419
7903	Storm Drain Improvements	9,651	-	-	112,000
Total Capital Outlay		\$ 9,651	\$ -	\$ -	\$ 112,000
Total Expenditures		\$ 266,922	\$ 308,707	\$ 263,712	\$ 416,361
Source of Funds					
Landslide Maintenance District Fund		266,922	308,707	263,712	304,361
LMD Contingency Fund		-	-	-	112,000
Total Source of Funds		\$ 266,922	\$ 308,707	\$ 263,712	\$ 416,361

EXPENDITURE DETAIL

Fund 291 - Malibu Road Landslide Maintenance District (LMD)

Program 6003 - Malibu Road LMD

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	4,841	4,394	4,394	4,482
4201	Retirement	839	719	719	742
4202	Health Insurance	461	456	456	467
4203	Vision Insurance	7	8	8	8
4204	Dental Insurance	50	50	50	50
4205	Life Insurance	11	11	11	11
4208	Deferred Compensation	75	75	75	75
4209	Disability Insurance	43	22	22	22
4210	Other	71	113	113	115
Total Salaries & Benefits		\$ 6,398	\$ 5,848	\$ 5,848	\$ 5,971
5100	Professional Services	35,466	44,883	37,198	51,911
5401	Advertising & Noticing	-	240	150	240
5722	Electricity	1,331	2,000	1,175	2,000
Total Operating & Maintenance		\$ 36,797	\$ 47,123	\$ 38,523	\$ 54,151
7903	Storm Drain Improvements	-	-	-	-
Total Capital Outlay		\$ -	\$ -	\$ -	\$ -
Total Expenditures		\$ 43,195	\$ 52,971	\$ 44,371	\$ 60,122
Source of Funds					
Landslide Maintenance District Fund		43,195	52,971	44,371	60,122
Total Source of Funds		\$ 43,195	\$ 52,971	\$ 44,371	\$ 60,122

EXPENDITURE DETAIL

Fund 292 - Calle del Barco Landslide Maintenance District (LMD)

Program 6004 - Calle del Barco LMD

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
4101	Full-Time Salaries	4,841	4,394	4,394	4,482
4201	Retirement	839	719	719	742
4202	Health Insurance	461	456	456	467
4203	Vision Insurance	7	8	8	8
4204	Dental Insurance	50	50	50	50
4205	Life Insurance	11	11	11	11
4208	Deferred Compensation	75	75	75	75
4209	Disability Insurance	43	22	22	22
4210	Other	70	113	113	115
Total Salaries & Benefits		\$ 6,397	\$ 5,848	\$ 5,848	\$ 5,971
5100	Professional Services	49,351	59,017	41,722	51,427
5401	Advertising & Noticing	100	240	-	240
5722	Electricity	1,043	1,500	1,048	2,000
Total Operating & Maintenance		\$ 50,494	\$ 60,757	\$ 42,770	\$ 53,667
7903	Storm Drain Improvements	-	-	-	22,000
Total Capital Outlay		\$ -	\$ -	\$ -	\$ 22,000
Total Expenditures		\$ 56,891	\$ 66,605	\$ 48,618	\$ 81,638
Source of Funds					
Landslide Maintenance District Fund		56,891	66,605	48,618	81,638
Total Source of Funds		\$ 56,891	\$ 66,605	\$ 48,618	\$ 81,638

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CAPITAL IMPROVEMENT PROJECTS

Projects	2014-15 Actual	2015-16 Budgeted	2015-16 Projected	2016-17 Proposed
Annual Street Overlay	724,147	699,469	699,469	625,000
Las Flores Creek Restoration	794,135	473,082	473,082	-
Civic Center Wastewater Treatment Facility	866,055	48,497,466	4,125,000	47,372,466
Broad Beach Biofilltration Project	1,766,648	108,118	108,118	-
Wildlife Road Treatment Project	146,884	83,329	83,329	-
PCH Bike Route Improvements	1,099,995	425,548	425,548	-
Kanan Dume Arrester Bed Improvements	424,583	-	-	-
PCH Regional Traffic Messaging System	-	300,000	-	300,000
PCH Intersection Improvements	98,932	656,185	25,000	631,185
PCH Median Improvements	-	400,000	50,000	350,000
PCH Bus Stop Improvements	316,480	19,066	19,066	-
Civic Center Way Improvements	-	375,000	75,000	300,000
Civic Center Pump Station Improvements	5,490	-	-	-
Biofiltration Devices - Las Flores & Malibu Rd	43,741	156,259	156,259	-
Malibu Community Labor Exchange Trailer	-	100,000	-	125,000
PCH Signal Synchronization System	-	150,000	75,000	180,000
Speed Advisory Signs	-	100,000	50,000	50,000
Bus Stop Shelters	-	60,000	30,000	30,000
Paradise Cove Media Filters	-	75,000	30,000	45,000
Civic Center Stormdrain System Improvements	-	25,000	25,000	100,000
PCH Shoulder Enhancements	-	-	-	75,000
Marie Canyon Green Streets	-	-	-	25,000
Stormdrain Trash Screens	-	-	-	35,000
Total	\$ 6,287,090	\$ 52,703,522	\$ 6,449,871	\$ 50,243,651

CAPITAL IMPROVEMENT PROJECTS

ANNUAL STREET MAINTENANCE (9002)

This project provides for the reconstruction and maintenance of City streets. Although the City's streets are in relatively good condition, some street sections require a higher level of maintenance, such as pavement overlays, in order to ensure the roadways do not fall into disrepair. In order to ensure that all City streets are maintained in good condition, the City Council approved an Annual Pavement Management Plan which established the work schedule through Fiscal Year 2020-2021. The Annual Street Maintenance Project is implemented in accordance with the approved plan.

LAS FLORES CREEK RESTORATION (9025)

The project includes the restoration of the Las Flores Creek and construction of a neighborhood park. The creek restoration and the majority of the park components including the installation of play equipment, pedestrian trails and parking improvements were previously completed and open to the public in Fiscal Year 2007-2008. The Las Flores Creek Park Phase 2 project includes the design and construction of a pedestrian bridge and a restroom facility. The second phase of this project was completed in Fiscal Year 2015-2016.

CIVIC CENTER WASTEWATER TREATMENT FACILITY (9049)

On June 27, 2011, the City entered into a Memorandum of Understanding (MOU) between the City and the Regional Water Quality Control Board and the State Water Resources Control Board regarding the implementation of the Basin Plan Amendment for the Malibu Civic Center Area Prohibition. The MOU requires that commercial properties in the Civic Center Prohibition Area be connected to a centralized wastewater treatment facility by 2017 and residential properties by 2022.

The Civic Center Wastewater Improvements Project is part of the City's Integrated Water Quality Management Plan that will improve water quality in Malibu Creek, Malibu Lagoon, and Surfrider Beach. The development of a community wastewater collection, treatment, reuse, and dispersal facility will replace existing individual on-site wastewater treatment systems in the City's Civic Center area. Funds from the Communities Facilities District and the County of Los Angeles will be used for professional services needed to prepare an environmental impact report, a coastal development permit, building permits, and construction plans, specifications and cost estimates for the final design of the wastewater treatment, collection, injection, and recycled water systems. The project was placed out for public bidding in Fall 2015 and construction contracts for all three project components (treatment facility, piping and injection wells) were awarded in Fiscal Year 2015-2016. Funding for the construction portion of the project will be provided by an Assessment District comprised of property owners via a State Revolving Fund Loan and bond financing, and grants.

BROAD BEACH BIOFILTRATION PROJECT (9053)

The project will divert dry-weather and stormwater runoff from nine storm drain inlets along a one-mile stretch of Broad Beach Road into a combined porous parking and engineered biofiltration system on the landward (north) shoulder. The project aims to prevent all dry-weather

flows and treat feasible volumes of wet-weather flows that might otherwise discharge to the Area of Special Biological Significance (ASBS). The system will treat runoff through evapotranspiration and biofiltration. This project will serve to promote water quality, preserve and enhance visitor parking for beach access and habitat restoration of some of the slopes above Broad Beach Road adjacent to Pacific Coast Highway. The project was substantially completed in Fiscal Year 2014-2015.

WILDLIFE ROAD TREATMENT AND FOCUSED OUTREACH PROJECT (9054)

The project will install structural Best Management Practices to filter runoff entering two storm drain inlets located on Wildlife Road and Whitesand Place and provide direct outreach to residents of the estimated 1,000 residential units adjacent to Area of Special Biological Significance # 24 (ASBS) within the City limits. The project aims to prevent dry-weather flows and treat feasible volumes of wet-weather flows that might otherwise discharge to the ASBS. The project was completed in Fiscal Year 2015-2016.

PCH BIKE ROUTE IMPROVEMENTS (9055)

This project will improve the existing bike route, install safety improvements and upgrade the bike route along Pacific Coast Highway (PCH) from Busch Drive to the City limits near Leo Carrillo State Beach, a distance of approximately 7 miles. The work includes signage, striping, intersection improvements, grading and overlay work to widen the shoulder in some sections. The project was substantially completed in Fiscal Year 2014-2015.

KANAN DUME ROAD ARRESTER BED IMPROVEMENTS (9056)

The project will promote traffic safety and improve the intersection at Pacific Coast Highway (PCH) and Kanan Dume Road and the existing arrester bed along Kanan Dume Road. The improvements include installing traffic signal detectors in the arrester bed, extending the number 1 left turn lane, realigning, extending and upgrading the existing arrester bed. The channelization of the intersection and arrester bed will promote traffic safety and traffic flow and improve the overall operation of this key intersection. The project was successfully completed in Fiscal Year 2014-2015.

PCH REGIONAL TRAFFIC MESSAGING SYSTEMS (9057)

The project will enable the City of Malibu and other agencies to notify travelers of critical regional traffic and safety information and facilitate traffic flow throughout the region. Changeable Message Signs will be installed at strategic locations along the Malibu Pacific Coast Highway corridor.

PCH INTERSECTION IMPROVEMENTS (9058)

This project will improve key intersections along the Pacific Coast Highway (PCH) corridor in Malibu. The PCH and Big Rock Drive Intersection Improvements Project was successfully completed in Fiscal Year 2014-2015. Staff is currently working on the design of the La Costa Pedestrian Improvements Project to upgrade the existing crosswalk in the vicinity of La Costa Beach.

PCH MEDIAN IMPROVEMENT PROJECT (9059)

The project will promote traffic safety by channelizing the highway, regulating turn movements and improving traffic operations. The project will rehabilitate the existing medians and install new raised medians along Pacific Coast Highway (PCH) from Webb Way to the Puerco Canyon Road.

PCH BUS STOP IMPROVEMENTS PROJECT (9060)

The project will install safety improvements at 11 bus stop locations along Pacific Coast Highway. The project was substantially completed in Fiscal Year 2014-2015.

CIVIC CENTER WAY IMPROVEMENTS PROJECT (9061)

The project consists of widening and improving Civic Center way from Webb Way to Malibu Canyon Road. The project will improve horizontal and vertical sight distances, create additional space for motorists, pedestrians, cyclists, and transit to travel and improve traffic safety and operational flow.

CIVIC CENTER PUMP STATION IMPROVEMENTS PROJECT (9062)

The project will improve water quality by increasing the flow of stormwater from two (2) existing remote pump stations that are a part of the stormwater treatment system in Malibu's civic center area. Improvements include upsizing the existing pump station's pumps, piping, and electrical components. This project was completed in Fiscal Year 2015-2016 as a component of the Las Flores and Malibu Road LID Improvements Project.

LAS FLORES AND MALIBU ROAD LID IMPROVEMENTS PROJECT (9063)

The project will improve water quality by capturing and filtering stormwater runoff. The project will install pre-manufactured biofiltration devices at two locations: Las Flores Canyon Road near the intersection of Pacific Coast Highway and Malibu Road adjacent to 24383 Malibu Road. This project was completed in Fiscal Year 2015-2016.

MALIBU COMMUNITY LABOR EXCHANGE TRAILER REPLACEMENT (9065)

This project will remove and replace the existing office trailer used by the Malibu Community Labor Exchange (MCLE). The MCLE The existing trailer was put into service in 2000 and is in poor condition. The purchase of a new trailer will enable the MCLE to continue serving low and moderate income individuals.

PCH SIGNAL SYNCHRONIZATION (9066)

This project was identified by the PCH Safety Study to improve safety along the Malibu highway corridor. The project will install communication between the existing traffic signals on PCH from Topanga Canyon Road to John Tyler Drive and connect the signals back to Caltrans' Traffic Management Center. The project will interconnect the signals and allow Caltrans to control and operate the signals and the signal system remotely.

SPEED ADVISORY SIGNS (9067)

The City is currently preparing a Traffic Management Plan for the Point Dume neighborhood area. The plan will include an analysis of existing conditions and recommendations to reduce vehicle speeds and improve safety for vehicles, pedestrians, and cyclists. This project will implement the recommendations put forth in the plan.

BUS STOP SHELTERS (9068)

This project will install bus shelters at each of the City's three highest volume transit stops. The bus shelter will increase the visibility of the transit system and transit riders, provide transit riders protection from the elements and serve as a pilot program for the rest of the Metro transit stops within the City limits.

PARADISE COVE MEDIA FILTERS (9069)

The City completed construction of the Paradise Cove Stormwater Treatment Facility in 2010. The project captures, filters and disinfects stormwater and dry weather flows from Ramirez Creek and the surrounding watershed. Periodically the media filters used in the treatment process must be replaced. This project will replace the media filters so that the facility can continue to treat stormwater and dry weather flows entering Paradise Cove.

CIVIC CENTER STORMDRAIN SYSTEM IMPROVEMENTS (9070)

This project consists of stormdrain improvements in the Civic Center area. The improvements will promote the flow and circulation of stormwater into Legacy Park.

PCH SHOULDER ENHANCEMENTS (9071)

The City is currently conducting a PCH Parking Study to examine the existing shoulder and parking conditions and develop recommendations to improve safety for motorists, pedestrians and cyclists along the highway. This project will implement the recommendations of the approved final study. The shoulder improvements may include paving, grading, installing small retaining curbs, striping, signage and other treatments to improve safety, parking and circulation.

MARIE CANYON GREEN STREETS (9072)

This project was identified in the City's EWMP. This project includes the installation of biofilters and other devices to capture and treat stormwater and comply with MS4 Discharge Permit requirements.

STORMDRAIN TRASH SCREENS (9073)

This project was identified in the City's EWMP. This project includes the installation of trash screens at the City's stormdrain inlets to prevent debris from entering the stormdrain system and comply with Trash TMDL requirements.

EXPENDITURE DETAIL

Fund 310 - Capital Improvement Projects

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
9002	Annual Street Overlay	724,147	699,469	699,469	625,000
<i>Source of Funds</i>					
	Traffic Safety Funds	155,000	40,000	40,000	50,000
	Proposition C	160,000	200,000	200,000	175,000
	Measure R Annual Allocation	200,000	125,000	125,000	130,000
	General Fund CIP Designated Reserve	209,147	334,469	334,469	270,000
9025	Las Flores Creek Restoration Park Phase II	794,135	473,082	473,082	
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	463,987	441,376	441,376	PROJECT COMPLETED
	Parkland Development	260,000	-	-	COMPLETED
	Quimby Funds	25,000	-	-	
	Rivers & Parkways Gateway Grant - Prop 50	45,148	31,706	31,706	
9049	Civic Center Wastewater Treatment Facility	866,055	48,497,466	4,125,000	47,372,466
<i>Source of Funds</i>					
	AD 2015-1 - Bonds	-	-	-	-
	State Revolving Fund CCWWTF Grants	-	9,000,000	-	9,556,709
	State Revolving Fund Loan	-	39,472,466	4,100,000	37,815,757
	CFD 2012-1	-	-	-	-
	General Fund Undesignated Reserve	246,987	25,000	25,000	-
	Los Angeles County Funding	619,068	-	-	-
9053	Broad Beach Biofiltration Project	1,766,648	108,118	108,118	
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	177,904	108,118	108,118	PROJECT COMPLETED
	Proposition 84	1,588,744	-	-	
9054	Wildlife Road Treatment Project	146,884	83,329	83,329	
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	497	-	-	PROJECT COMPLETED
	Proposition 84	146,387	83,329	83,329	
9055	PCH Bike Route Improvements	1,099,995	425,548	425,548	
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	-	-	-	PROJECT COMPLETED
	T21 Grant Funds	23,968	60,325	60,325	COMPLETED
	Measure R Highway Operational Improvements	325,868	172,493	172,493	
	HSIP - Cal Trans	750,159	192,730	192,730	
	Proposition C	-	-	-	
9056	Kanan Dume Arrester Bed Improvements	424,583	-	-	
<i>Source of Funds</i>					
	Measure R Highway Operational Improvements	424,583	-	-	PROJECT COMPLETED

EXPENDITURE DETAIL

Fund 310 - Capital Improvement Projects

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
9057	PCH Regional Traffic Message System	-	300,000	-	300,000
<i>Source of Funds</i>					
	Measure R Highway Operational Improvements	-	300,000	-	300,000
9058	PCH Intersection Improvements	98,932	656,185	25,000	631,185
<i>Source of Funds</i>					
	Measure R Highway Operational Improvements	98,932	656,185	25,000	631,185
9059	PCH Median Improvements	-	400,000	50,000	350,000
<i>Source of Funds</i>					
	Measure R Highway Operational Improvements	-	400,000	50,000	350,000
9060	PCH Bus Stop Improvements	316,480	19,066	19,066	
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	63,906	-	-	PROJECT COMPLETED
	Transportation Development Act (TDA) - Article 3	13,598	-	-	PROJECT COMPLETED
	Los Angeles County MTA	238,976	19,066	19,066	
9061	Civic Center Way Improvements	-	375,000	75,000	300,000
<i>Source of Funds</i>					
	Measure R Highway Operational Improvements	-	375,000	75,000	300,000
9062	Civic Center Pump Station Improvements	5,490	-	-	
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	5,490	-	-	PROJECT COMPLETED
9063	Biofiltration Devices - Las Flores Cyn & Malibu Rd	43,741	156,259	156,259	
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	43,741	156,259	156,259	PROJECT COMPLETED
9065	Malibu Community Labor Exchange Trailer	-	100,000	-	125,000
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	-	-	-	25,000
	Community Development Block Grant	-	100,000	-	100,000
9066	PCH Signal Synchronization System Improvements	-	150,000	75,000	180,000
<i>Source of Funds</i>					
	Measure R Highway Operational Improvements	-	150,000	75,000	180,000
9067	Speed Advisory Signs	-	100,000	50,000	50,000
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	-	100,000	50,000	50,000
9068	Bus Stop Shelters	-	60,000	30,000	30,000
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	-	60,000	30,000	30,000

EXPENDITURE DETAIL

Fund 310 - Capital Improvement Projects

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
9069	Paradise Cove Media Filters	-	75,000	30,000	45,000
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	-	75,000	30,000	45,000
9070	Civic Center Stormdrain System Improvements	-	25,000	25,000	100,000
<i>Source of Funds</i>					
	Legacy Park Project Funds	-	25,000	25,000	100,000
9071	PCH Shoulder Enhancements	-	-	-	75,000
<i>Source of Funds</i>					
	Measure R Highway Operational Improvements	-	-	-	75,000
9072	Marie Canyon Green Streets	-	-	-	25,000
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	-	-	-	25,000
9073	Stormdrain Trash Screen Improvements	-	-	-	35,000
<i>Source of Funds</i>					
	General Fund CIP Designated Reserve	-	-	-	35,000
Total Expenditures		\$ 6,287,090	\$ 52,703,522	\$ 6,449,871	\$ 50,243,651

EXPENDITURE DETAIL

Fund 310 - Capital Improvement Projects

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
Source of Funds					
	AD 2015-1 Civic Center Wastewater Treatment Facility	-	-	-	-
	Community Development Block Grant	-	100,000	-	100,000
	General Fund CIP Designated Reserve	1,211,659	1,300,222	1,175,222	480,000
	HSIP - Cal Trans	750,159	192,730	192,730	-
	Legacy Park Project Funds	-	25,000	25,000	100,000
	Los Angeles County Funding (Civic Center WWTF)	619,068	-	-	-
	Los Angeles County MTA Funds	238,976	19,066	19,066	-
	Measure R Annual Allocation	200,000	125,000	125,000	130,000
	Measure R Highway Operational Improvements Funds	849,383	2,053,678	397,493	1,836,185
	Proposition 50	45,148	31,706	31,706	-
	Proposition 84	1,735,131	83,329	83,329	-
	Special Revenue Fund - Parkland Development	260,000	-	-	-
	Special Revenue Fund - Proposition C Funds	160,000	200,000	200,000	175,000
	Special Revenue Fund - Quimby Funds	25,000	-	-	-
	Special Revenue Fund - Solid Waste Management Fund	-	-	-	-
	Special Revenue Fund - Traffic Safety Funds	155,000	40,000	40,000	50,000
	State Revolving Fund CCWWTF Grant	-	9,000,000	-	9,556,709
	State Revolving Fund Loan Wastewater	-	39,472,466	4,100,000	37,815,757
	T21 Grant Funds	23,968	60,325	60,325	-
	Transportation Development Act (TDA) - Article 3	13,598	-	-	-
Total Source of Funds		\$ 6,287,090	\$ 52,703,522	\$ 6,449,871	\$ 50,243,651

EXPENDITURE SUMMARY

Fund 310 - Capital Improvement Projects

Object	Description	2014-15 Actual	2015-16 Adopted	2015-16 Projected	2016-17 Proposed
9002	Annual Street Overlay	724,147	699,469	699,469	625,000
9025	Las Flores Creek Restoration	794,135	473,082	473,082	-
9049	Civic Center Wastewater Treatment Facility	866,055	48,497,466	4,125,000	47,372,466
9053	Broad Beach Biofiltration Project	1,766,648	108,118	108,118	-
9054	Wildlife Road Treatment	146,884	83,329	83,329	-
9055	PCH Bike Route Improvements	1,099,995	425,548	425,548	-
9056	Kanan Dume Arrester Bed Improvements	424,583	-	-	-
9057	PCH Regional Traffic Messaging System	-	300,000	-	300,000
9058	PCH Intersection Improvements	98,932	656,185	25,000	631,185
9059	PCH Median Improvements	-	400,000	50,000	350,000
9060	PCH Bus Stop Improvements	316,480	19,066	19,066	-
9061	Civic Center Way Improvements	-	375,000	75,000	300,000
9062	Civic Center Pump Station Improvements	5,490	-	-	-
9063	Biofiltration Devices - Las Flores Cyn & Malibu Rd	43,741	156,259	156,259	-
9065	Malibu Community Labor Exchange Trailer	-	100,000	-	125,000
9066	PCH Signal Synchronization System Improvement	-	150,000	75,000	180,000
9067	Speed Advisory Signs	-	100,000	50,000	50,000
9068	Bus Stop Shelters	-	60,000	30,000	30,000
9069	Paradise Cove Media Filters	-	75,000	30,000	45,000
9070	Civic Center Stormdrain System Improvements	-	25,000	25,000	100,000
9071	PCH Shoulder Enhancements	-	-	-	75,000
9072	Marie Canyon Green Streets	-	-	-	25,000
9073	Stormdrain Trash Screens	-	-	-	35,000
Total Capital Improvement Projects		\$ 6,287,090	\$ 52,703,522	\$ 6,449,871	\$ 50,243,651
Total Expenditures		\$ 6,287,090	\$ 52,703,522	\$ 6,449,871	\$ 50,243,651

APPROPRIATIONS LIMIT CALCULATION

Article XIII B of the California State Constitution, commonly referred to as the Gann Appropriations Limit, was adopted by the California voters in 1980 and placed limits on the amount of proceeds of taxes that State and local agencies can appropriate and spend each year.

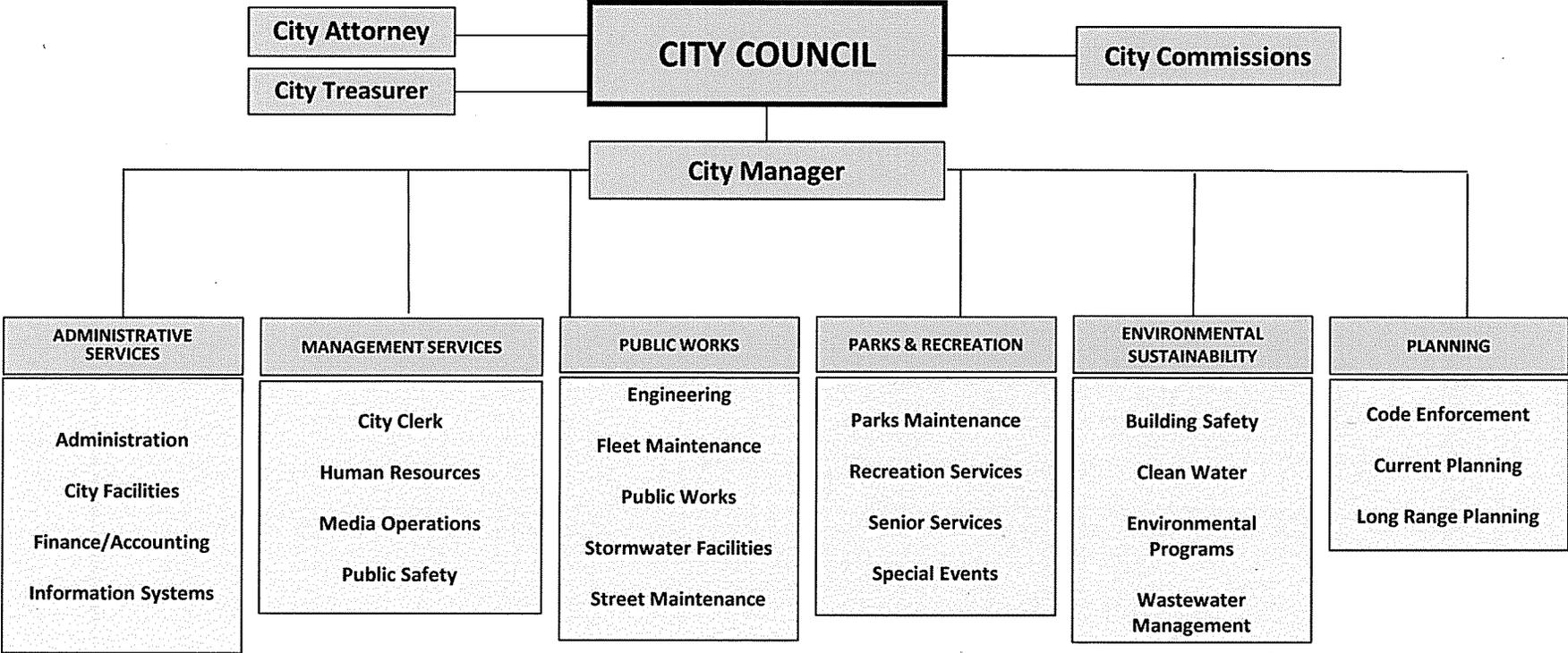
The limit is different for each agency and changes each year. The annual limit is based on the amount of tax proceeds that were authorized to be spent in Fiscal Year 1978-79, modified for changes in inflation and population. Inflationary adjustments are based on increases in the California per capita income or the increase in non-residential assessed valuation due to new construction. An adjustment is also made based on changes in Malibu's population.

Section 7910 of the State Government Code requires a governing body to annually adopt, by resolution, an appropriations limit for the upcoming fiscal year. For fiscal year 2016-2017, the estimated tax proceeds appropriated by the Malibu City Council are under the limit. The appropriations limit for Fiscal Year 2016-2017 is \$23,963,095. This is the maximum amount of tax proceeds the City is able to appropriate and spend in Fiscal Year 2016-2017. The appropriations subject to the limit are \$21,041,816, leaving the City with an appropriations capacity under the limit of \$2,921,279.

Appropriation Limit Calculation

FY 2015-2016 appropriation limit:		\$22,550,181
A. Population Adjustment	1.0085	
B. Per Capita Income Adjustment	<u>1.0537</u>	
Total annual adjustment (AxB)	1.0627	
FY 2016-2017 appropriation limit:		\$23,963,095
Less: total appropriations subject to limit (estimated tax proceeds for FY 2016-2017)		\$21,041,816
Remaining appropriation capacity		\$ 2,921,279
Available capacity as a percentage of limit:		12

Fiscal Year 2016-17 Proposed Organizational Chart



CITY OF MALIBU

FISCAL YEAR 2016-2017 WORK PLAN

MANAGEMENT AND ADMINISTRATIVE SERVICES

1. Civic Center Wastewater Treatment Design/Assessment District

This project involves the development of a centralized wastewater collection, treatment, reuse and dispersal facility. In order to fund the project, an assessment district was formed on January 25, 2016 by the property owners that benefit from the project. The project also includes the acquisition of property and submission of an application for a State Revolving Fund loan and grant. The Final EIR, LCP Amendment (LCPA), Zoning Text Amendment (ZTA), Zoning Map Amendment, Coastal Development Permit (CDP) and Conditional Use Permit (CUP) for the project were approved by the City Council on January 12, 2015. On March 12, 2015, the Los Angeles Regional Water Quality Control Board (LARWQCB) approved a Waste Discharge Requirement Permit and Water Reuse Requirement Permit. The project was approved by the California Coastal Commission (CCC) in May 2015. The City applied for funding from the State Revolving Fund Loan and grant program, which, in conjunction with a small bond issuance will provide funding for the project. Construction of the project will begin in Fiscal Year 2016-2017.

2. Santa Monica College Satellite Campus / Sheriff's Substation

The City and Santa Monica College (SMC) are interested in bringing a satellite campus for the college into the City's Civic Center area on the County parcel adjacent to the Library. The County and SMC have agreed to a plan to construct a 25,310-square foot community college that will include 5,640 square feet of space to be used by the Sheriff's Department as a substation. The Final EIR was approved on February 29, 2016. Construction of the project is expected to begin in Summer 2016.

3. City Website and Media Operations

This project includes making regular updates to the City website, such as adding the ability for viewers to watch City TV Channel 3, view City videos and photo archives, and link to all City social media channels. Other media information projects that were launched include community surveys and One Call to City Hall.

4. Oversight of Library Services and Use of Library Set Aside Funds

The City and Los Angeles County Library launched the 2015 Speaker Series in January 2015 with 10 speaker events, including: Education expert Dr. Paul Cummins; Kidnap survivor and activist Elizabeth Smart; Olympic swimmer Dara Torres; Climate change environmentalist Bill McKibben; Best-selling author Daniel James Brown; and an environmental panel of Jonathan Parfrey, Gary Gibbs and Sarah Myher. In addition to the Speaker Series, Library Set Aside Funds are being used to provide additional service hours, fund services at the Malibu Boys and Girls Club, fund a teen librarian and enhance the library's collections.

5. Licensing Program

The program includes developing trademarked logos and identifying companies that may develop a license with the City to market a variety of products. The goal of the program is to develop a potential new revenue stream for the City. The City has now successfully trademarked two logos with the US Patent and Trademark Office.

CITY OF MALIBU

FISCAL YEAR 2016-2017 WORK PLAN

PARKS AND RECREATION

6. Legacy Park Interpretive Program

Educational hikes continue to be offered at Legacy Park that focus on winter migratory birds and Spring native plant walks. A self-guided smartphone app was created and launched, and signage with QR codes will be placed in various locations in the park to correlate with the audio narrative on the smartphone app. Additional educational programs and collaborations with the Los Angeles County Malibu Library will be coordinated as part of the Legacy Park Art Enhancement Project.

7. Skate Park Facility

On October 14, 2015, the City Council directed staff and the Malibu Bluffs Parkland consultant to include a skate park in all design options for the Bluffs Parkland Master Plan. The final Park Design and Master Plan, including a skate park, is scheduled to be presented to the Parks and Recreation Commission on April 19, 2016, and will go to the City Council for approval prior to the end of Fiscal Year 2015-2016.

8. Park Monitoring System (On hold)

Staff met with a local security company and discussed equipment, cost and the general feasibility of installing web-based cameras to monitor and track the use of Malibu Bluffs Park and Trancas Canyon Park. Staff is evaluating options. The Parks and Recreation Commission reviewed park monitoring and surveillance and has tabled the item to a later date.

9. Parks and Recreation Outreach Video

Several videos featuring recreation events, parks and programs have been produced covering Malibu Bluffs Park, Trancas Canyon Park, Chumash Day, the Halloween Carnival and programs at the Malibu Community Pool. The video outreach project will continue to help highlight and promote current and new programs offered through the Parks and Recreation Department.

10. Michael Landon Center Expansion (On hold)

This project includes increasing the square footage of the Landon Center to allow more programming opportunities for the public. The Request for Proposals (RFP) for design services for the Michael Landon Center expansion is complete, but further action has been placed on hold pending completion of the Bluffs Parkland Master Plan.

11. Playground with a Purpose Project

The Playground with a Purpose project at Bluffs Park is in its final phase, which includes interpretive signage. Interpretive information for signage is complete and illustrative artwork with a continuous theme linking the playground components is under review by staff. Access to the interpretive information from signage will be updated to accommodate new technology consistent with the interpretive program at Legacy Park. Interpretive signage will be added to the playground locations using QR code technology and a smartphone app. The app will be available to park visitors sometime in late Summer 2016.

CITY OF MALIBU

FISCAL YEAR 2016-2017 WORK PLAN

12. **Annual Events**

The major annual event traditionally held at Bluffs Park is Chumash Days, a 2-day, weekend event that features an intertribal gathering and Native American dancing as part of a traditional powwow ceremony. The event draws thousands of visitors and includes a wide variety of vendors, crafts and games for children. The Cultural Arts Commission has created Concert on the Bluffs, an event that will host a 30-piece orchestra, dancers from the New York City Ballet, local film and music composers, and special guest artists. The event will take place at Malibu Bluffs Park on June 12, 2016 from late afternoon until sunset. Community businesses and private donors are assisting with the funding of the event, but the Commission hopes to eventually seek an outside, established organizer to jointly produce the event in future years, once the event has been successfully established.

13. **Integrated Pest Management Program (Completed)**

On October 28, 2013, the City Council adopted an Integrated Pest Management (IPM) Policy and Program. Staff is implementing IPM principles as best management practices in addressing pests. An integrated pest management group, comprised of representatives from local environmental groups, local businesses, education and interested parties from the community, was established. The group meets periodically to discuss sustainability issues facing the City.

14. **Bluffs Park Open Space Master Plan**

The Malibu Bluffs Parkland property (Parkland) encompasses 83 acres of undeveloped open space adjacent to Pacific Coast Highway (PCH), and directly south of Pepperdine University. Master planning for the project will also include 10 acres that make up Malibu Bluffs Park, and 1.75 acres of vacant land known as the Crummer Property. In January 2015, Michael Baker International was hired to conduct a full Park Master Plan and Environmental Impact Report (EIR). The scope of work includes preparing an opportunities and constraints report, geotechnical work, park design services and environmental documents per the California Environmental Quality Act (CEQA). It is anticipated that the EIR process will begin sometime in Summer 2016 after Council has approved a park design.

15. **Legacy Park Art Enhancement Plan**

In July 2015, the firm of Hodgetts and Fung Architectural Design was hired to conduct community outreach, prepare conceptual design plans, identify uses for additional water from the wastewater treatment facility, and create recommendations for placement of additional art in Legacy Park. A draft of the Legacy Park Art Enhancement Plan was sent to the City Council in December 2015, with Council approving the design and sending it back to the Cultural Arts Commission to review the final design, which includes project and phasing costs, and identifying potential funding methods. The Cultural Arts Commission will review the final plan and send a recommendation to the Council sometime in April or May 2016.

ENVIRONMENTAL SUSTAINABILITY

16. **Permitting Software Program**

The project includes a technology upgrade to the City's permitting software that will allow for advanced streamlining of the City's permits. The first phase is expected to be fully operational by May 2016.

CITY OF MALIBU

FISCAL YEAR 2016-2017 WORK PLAN

17. Rainwater Harvesting Program

The Rainwater Harvesting Program will focus on new projects and incentive programs for existing development. This program will reduce the amount of water consumption, maximize the use of existing water resources and increase the sustainability of water use in the City. Staff is managing a Prop 84 Integrated Water Resources Management (IWRMP) project under the Greater Los Angeles IRWMP grant awarded by Department of Water Resources and has partnered with Los Angeles County Waterworks District 29 and West Basin Municipal Water District. The project includes conservation incentives and rebates for rain barrels and small cisterns, workshops, outreach, site evaluations, and special on-on-one participant assistance.

18. Local Agency Management Program

The Statewide OWTS Policy (effective May 2013) established minimum requirements for local agencies permitting OWTS. Wastewater Management staff is working with the assistance of an environmental engineering consultant to bring City codes and OWTS guidelines into conformance with the Statewide minimum requirements. The work involves: Writing a Local Agency Management Plan (LAMP) for ongoing OWTS oversight by the City of Malibu; revisions to the OWTS standards in the Malibu Plumbing Code and LCP/Local Implementation Plan; developing a new water quality assessment program; and documentation of Total Maximum Daily Load (TMDL) compliance procedures for OWTS in Malibu.

19. Grease Receptor Ordinance

Staff is collaborating with RMC Water & Environment, consultants for the City's Civic Center Wastewater Treatment Facility, to ensure the proposed Grease Receptor Program meets the requirements of the plant design to accept this high strength waste with the efficient and acceptable removal of grease, fats and oils from the generating facilities, such as restaurants and fast food establishments. This will reduce the impact to the OWTS servicing these facilities and increasing the sustainability of the OWTS.

20. Integrated Wastewater Information Management System (IWIMS)

Staff continues to work on further enhancements to the capabilities of IWIMS. Reporting templates will be created for the dissemination of essential information regarding the City's OWTS. Enhancements will include the development of GIS capabilities of the IWIMS system to provide mapping capabilities.

21. Settlement Agreement

City staff continues to ensure the City meets the terms and requirements of the settlement agreement with NRDC/Santa Monica Baykeeper (now LA Waterkeeper) by managing the various compliance activities and reporting. Elements of the Ocean Health Near-Shore Water Quality Assessment program are in process. The temporary best management practices (BMPs) installed at the storm drains within and outside the Area of Special Biological Significance (ASBS) have been removed and replaced by the permanent structural BMPs installed by Public Works as part of the Wildlife Road and Broad Beach Road Prop 84 projects completed in 2015, and on Las Flores Canyon Road and Malibu Road. Public Works is overseeing a runoff monitoring program to demonstrate efficacy of those structures in accordance with the Agreement.

CITY OF MALIBU

FISCAL YEAR 2016-2017 WORK PLAN

22. Clean Water Monitoring Program

This ongoing program involves developing a stream and ocean monitoring program, as well as an effective community outreach plan to promote current water quality data and the improvements that have been made to local water bodies. This may include use of rapid indicator methods and upgrades to the City's website to inform the public. Ongoing monitoring programs for regulatory compliance include TMDL monitoring at Malibu beaches and Malibu Creek. Other regulatory compliance methods include Total Maximum Daily Load (TMDL) monitoring at Malibu Beaches and Malibu Creek for bacteria and trash. The Coordinated Integrated Monitoring Program (CIMP) required by the municipal stormwater permit was approved by the LARWQCB in November 2015. This program includes additional stream monitoring. The City is the lead agency on this program. Following a request for proposals, a funding allocation, Professional Services Agreement to conduct the CIMP, and an MOU with County of Los Angeles and Los Angeles County Flood Control District for cost sharing will go to the City Council for approval in Spring 2016. Additional opportunities for integrating existing water quality information into the City's near shore ocean water quality project, a sanitary survey program, and monitoring of subwatersheds identified for BMP projects in the Enhanced Watershed Management Program (EWMP) are under development.

23. Clean Water Regulations Compliance

Staff coordinates the Clean Water Team, an interdepartmental working group tasked with ensuring the City's compliance with all State and Federal water quality related regulatory requirements. This group meets bi-monthly to review progress on meeting compliance deadlines. The following regulatory and legal obligations are being addressed by the Clean Water Team: ASBS; NPDES stormwater permit (MS4); NRDC/LA Waterkeeper lawsuit; TMDL compliance for seven TMDLs; OWTS management; and Civic Center Prohibition/MOU compliance.

24. Water and Energy Conservation

Staff is working with partner agencies and the City's Media Information Office to plan additional public information and outreach programs, including a water conservation campaign, leveraging resources with the Malibu Area Conservation Coalition (MACC) where feasible. Staff is also working with a consultant on projects relating to water conservation outreach, such as organizing, promoting, and staffing a community exposition with an optional garden tour, producing four public service announcements and a drought-tolerant garden photo gallery, and branding a City water program. Opportunities to conserve water in Malibu are promoted and existing water conservation rules are enforced. Staff continues to respond to complaints submitted with the Water Waster Report available on the City website.

25. Solid Waste Management Program Enhancements

An audit of the City's Solid Waste Management Program included recommendations for enhancements and changes. Staff will review the recommendations and revise the program, with direction from City Council, to increase diversion of waste from the landfill in accordance with the new statewide goal of 75% diversion, improve efficiency of the program, increase opportunities for outreach, and bring more sustainability programs to the community. Staff is working on a Non-Exclusive Residential Solid Waste Franchise Agreement that will include minimum diversion rates, electronic and universal waste collection, bulky item pickups, development of a food waste program, and collection at bus stops, public parks, and community events.

CITY OF MALIBU

FISCAL YEAR 2016-2017 WORK PLAN

PLANNING

26. **Formula Retail**

On November 4, 2014, the voters of the City approved ballot initiative Measure R. As its first component, Measure R contains a set of restrictions designed to limit the development of “formula retail” establishments in the City. Measure R defined “Formula Retail” business as any business for which there are ten or more locations worldwide that share two or more specified criteria. Measure R: (i) prohibits any new Formula Retail tenant larger than 2,500 square feet, (ii) requires all Formula Retail tenants to obtain a conditional use permit, and (iii) prohibits a shopping center from leasing more than 30% of its square footage, or 30% of its leasable retail spaces, to Formula Retail tenants. The second component of Measure R requires voter approval of every new proposed commercial project over 20,000 square feet.

Shortly after the passage of Measure R, an affiliate of DB Malibu Holdco, Inc., along with another property owner in the Civic Center (Petitioner), the owner of Parcel Nos. 43 and 47 within the Assessment District upon which it proposes to build a Whole Foods grocery store, brought a lawsuit against the City seeking to enjoin the City from enforcing Measure R. On December 14, 2015, the trial court held that Measure R is invalid and enjoined the City from enforcing Measure R. Proponents of Measure R intervened in the case and filed an appeal that is still pending.

Should the trial court’s decision be overturned on appeal, Measure R will be reinstated and development of commercial or mixed use projects over 20,000 square feet, including the Whole Foods grocery store, will require voter approval. The City can provide no assurance regarding whether voter approval will be required to develop large commercial and mixed use project on parcels within the Assessment District.

27. **LCP Public Access Map (Complete)**

Staff submitted an updated LCP Public Access Map to the California Coastal Commission (CCC) in 2012. A CCC hearing was conducted in 2014, and the Commission provided suggested modifications for the LCP Public Access maps. The City Council accepted the suggested modifications and added an asterisk to the Tivoli Cove Condominium based on public comments. The updated maps were sent back to the CCC and are pending final certification by the CCC.

28. **LCP ESHA Map**

This project includes preparing an update to the existing 2002 LCP ESHA map with parcel-specific data acquired in the last 13 years. Phase 1 of the project will include creating biological assessment guidelines, updating submittal requirements, and data collection. Phase 2 includes final map preparation, review by the City Council, and then map submittal to the CCC as an LCPA.

29. **LCPA Trails Incentives Plan (Complete)**

In December 2015, the CCC conditionally certified the Trails Incentives Plan and map. Should City Council accept the CCC modifications in Spring 2016, staff will begin implementing the incentives program.

CITY OF MALIBU

FISCAL YEAR 2016-2017 WORK PLAN

30. LCP Park Land Map

In December 2015, the CCC conditionally certified an update to the LCP Park Land Map. Should the City Council accept the CCC modifications in Spring 2016, staff will begin utilizing this map in project review.

31. Comprehensive Zoning Code / LCP Update

The comprehensive update will eliminate numerous inconsistencies between the documents while incorporating current State and Federal laws. The update will include revisions to all of the items on the Council's priority zoning text amendment (ZTA) list, including remodels, temporary use permits, and multi-family building size limitations. Phase 1 of this project will include priority ZTAs. Staff anticipates having a final draft of Phase 1 of the Zoning Code Update in Fall 2016.

32. General Plan/LCP/Zoning/LCP Map Update

The project includes correcting numerous inconsistencies in the LCP Land Use Map/ Zoning Map, General Plan and the MMC Zoning Map. A comprehensive review of all maps will be conducted, and a map amendment will be brought to the Planning Commission, City Council and CCC. Phase 1, including a consistency analysis between the LCP Maps and the MMC Zoning Map, and preparation of working maps showing these discrepancies, has been completed. Phase 2 work for this fiscal year will focus on final edits to a new digital version of the General Plan map, and bringing forward a General Plan Amendment to update the map. Phase 3 will include amendments to update the MMC Zoning and LCP Maps.

33. Citywide Lighting Ordinance

City Council requested that a citywide lighting (dark sky) ordinance be prepared. A consultant was hired, and Phase 1 required a comprehensive report on the different lighting ordinance options. Phase 2 includes the drafting of the ordinance and Lighting Zone Map with anticipated review by City Council in late 2016.

34. Civic Center Design Standards/Specific Plan

Work includes the preparation of design standards for the City's Civic Center area. A consultant team was hired to work with the Design Standards Task Force and the community in developing design standards. The consultant presented the results of work to date at a joint meeting of the City Council and Planning Commission in February 2016. City Council directed staff to return with options for expedited preparation of a specific plan for the Civic Center area in lieu of completing design standards.

35. Sign Ordinance ZTA/LCPA

This multi-year effort consists of a comprehensive update to the City's sign regulations through a ZTA and LCPA. In April 2014, the Planning Commission discussed the ordinance that required more revisions and additional meetings. Due to workload and the specialized nature of sign regulations, an RFP for consultant proposals that includes a public outreach program will be prepared. The selected consultant will prepare a draft ordinance for Planning Commission consideration in Spring 2017.

CITY OF MALIBU

FISCAL YEAR 2016-2017 WORK PLAN

36. Anti-Coagulant Rodenticide Ordinance/Program (Complete)

City Council initiated this ordinance as an amendment to the LCP in November 2014. A prohibition ordinance will be presented for City Council consideration in May 2016. Staff will implement strategies and programs to encourage poison-free rodent control.

37. Roof-Mounted Solar Permit Streamlining (Complete)

Planning staff worked in coordination with ESD's Building Safety Division to bring to City Council an ordinance to streamline permitting of small residential rooftop solar installations, as required by Assembly Bill (AB) 2188. City Council adopted Ordinance 396 in August 2015, ahead of the AB 2188 September 2015 deadline.

38. Parking Lot Safety Standards (Complete)

On March 28, 2016, the City Council adopted an ordinance establishing parking lot safety standards that require bollards or other protective devices to be installed adjacent to outdoor pedestrian seating areas. The new ordinance includes a 24-month amortization period to allow adequate time for existing property owners to either come into compliance or remove outdoor seating areas. Staff will develop an education/outreach program as part of a program to help new and existing businesses ensure compliance with the standards.

39. Housing Element LCP Amendment

The City's 2008-2014 Housing Element was certified by the Housing and Community Development Department (HCD) in August 2013. In addition, the 2013-2021 Housing Element was certified by HCD in February 2014. Staff submitted the necessary amendments to the LCP to incorporate the programs and overlays to the CCC for certification in December 2013, and is working with the CCC to complete the submittal. Once the CCC conditionally certifies the amendments, staff will bring suggested modifications to City Council for consideration.

PUBLIC WORKS

40. Annual Tree Maintenance Program

This program requires the identification of priority tree trimming maintenance in accordance with the citywide inventory, so that the City's urban forest is protected, the roadways are clear of potential hazards, and liability to the City is minimized. Staff continues to maintain the City's urban forest in accordance with inventory recommendations.

41. Annual Sidewalk Maintenance Program

Staff continues to maintain the City's existing sidewalk system (concrete, decomposed granite and permeable pavers) in an effort to reduce the potential liability of slip and fall injuries.

42. Annual Street Overlay Program

This program includes the design and construction management of annual street overlay projects throughout the City in accordance with the City's approved Pavement Management Plan (PMP). Completion of the FY 2015-2016 work marked the completion of the City's five-year PMP within a four-year period.

CITY OF MALIBU

FISCAL YEAR 2016-2017 WORK PLAN

43. PCH Regional Traffic Messaging System

This project consists of installing permanent Changeable Message Signs (CMS) along PCH at strategic locations throughout the City. The project will enable the City and other agencies to notify travelers of critical regional traffic and safety information. The City will hire a consultant to design the project and staff will manage the design, permitting and construction phases of the project.

44. Pacific Coast Highway at La Costa Pedestrian Improvements

The project will install a pedestrian signal on PCH in the La Costa Beach area, between Rambla Vista East and Rambla Vista West, to improve safety for pedestrians and motorists. Staff is working with the design consultant, Caltrans representatives and nearby homeowners to finalize the design, secure permits and easements and prepare the project for public bidding.

45. PCH Raised Median and Channelization from Webb Way to Puerco Canyon Project

The PCH Raised Median and Channelization Project will improve and install raised medians along PCH/SR-1 from Webb Way to Puerco Canyon Road, a distance of approximately two miles. The project will channelize the highway, regulate turn movements and improve the regional operational flow of traffic. The City hired a consultant to design the project. Staff will manage the design and coordinate the Caltrans permitting process.

46. Civic Center Way Improvements Project

This project will improve horizontal and vertical sight distance, create additional space for motorists, pedestrians, bicyclists and transit to travel along Civic Center Way. Funding for the design and construction of this project will provided by Measure R and administered by MTA. The City hired a consultant to design the project. The City will manage the design and coordinate the bidding and construction phase of the project.

47. Pacific Coast Highway Shoulder Enhancement Project

This project will improve the existing highway shoulder at strategic locations along PCH/SR-1 to provide sufficient room to accommodate multiple users simultaneously. This project will enhance the shoulder to reduce conflicts and potential for collisions and, thus, serve to reduce incident delay on the highway. Funding for the design and construction of this project will provided by Measure R and administered by MTA. Staff will execute the funding agreement and begin project design.

48. Enhanced Watershed Management Plan

The City partnered with Los Angeles County Public Works and the Los Angeles County Flood Control District to develop an Enhanced Watershed Management Program (EWMP) for the North Santa Monica Bay Coastal Watersheds area, including a portion of the Malibu Creek Watershed within the City of Malibu limits, to comply with the Los Angeles County Municipal Separate Stormwater System (MS4) Discharge Permit. Through this collaborative development of an EWMP, the City can design projects to protect local water bodies and evaluate of opportunities to implement projects that address: non-stormwater runoff prevention, stormwater runoff retention, pollution prevention, flood control and water supply. Once the EWMP is approved by the Regional Water Quality Control Board, the City will work to implement the projects and programs it identifies.

CITY OF MALIBU

FISCAL YEAR 2016-2017 WORK PLAN

49. **Office Trailer for Malibu Community Labor Exchange**

This project includes the purchase and installation of an office trailer to replace the existing office trailer owned and operated by the Malibu Community Labor Exchange (MCLE) in Malibu's Civic Center area. The City is assisting MCLE to secure a location for the new trailer.

50. **Street Sign Retroreflectivity**

The City is in the process of replacing all the City street signs with new upgraded signs to increase the signs' retroreflectivity in accordance with the Manual of Uniform Traffic Control Devices. In Fiscal Year 2015-2016, the City replaced approximately half of City street signs. In Fiscal Year 2016-2017, the City will replace the remaining street signs.

51. **Civic Center Wastewater Treatment Facility**

This project involves the development of a community wastewater collection, treatment, reuse, and dispersal facility for the City's Civic Center area. The construction contracts to build the treatment facility, piping and injection wells were awarded in Fiscal Year 2015-2016. The City hired a consultant team to perform construction management to ensure that the projects are delivered on schedule and within the budget allotted.

52. **Pacific Coast Highway Signal Synchronization Project**

The project will install communication between the existing traffic signals on PCH from Topanga Canyon Road to John Tyler Drive and connect the signals back to Caltrans' Traffic Management Center. The project will interconnect the signals and allow Caltrans to control and operate the signals and the signal system remotely. The City hired a consultant to design the project. Staff will manage the design and work with Caltrans to permit the project for construction.

53. **Bus Stop Shelters**

This project will install bus shelters at each of the City's three highest volume transit stops. The bus shelter will increase the visibility of the transit system and transit riders, provide transit riders protection from the elements and serve as a pilot program for the rest of the Metro transit stops within the City limits.

54. **Civic Center Storm Drain System Improvements**

This project consists of storm drain improvements in the Civic Center area. The improvements will serve to promote the flow and circulation of stormwater into Legacy Park. Staff will manage the design and construction process.

55. **Winter Canyon Biofiltration Project**

The Enhanced Watershed Management Program identified Winter Canyon as an area for the installation of biofilters. This project will treat stormwater and enable the City to meet its TMDL requirements. The City will hire a consultant to analyze the watershed and design the project accordingly and staff will manage the design and permitting process. Staff is currently seeking grant funds for the construction phase of the project.

CITY OF MALIBU

FISCAL YEAR 2016-2017 WORK PLAN

56. **Marie Canyon Green Streets**

The Enhanced Watershed Management Program identified the Marie Canyon as an area for the installation of biofilters and other devices to capture and treat stormwater and comply with MS4 Discharge Permit requirements. The City will manage the design, permitting, bidding, and construction phase of the project.

57. **Storm Drain Trash Screens**

The Enhanced Watershed Management Program identified the need for trash screens on the City's storm drains in order to comply with Trash TMDL requirements. The City will manage the design, permitting, bidding, and construction phase of the project.

58. **Pacific Coast Highway Parking Study**

This study is examining the existing shoulder conditions, traffic collision history and developing recommendations to make parking on PCH safer for all modes of travel. Staff is managing the study consultant team in conjunction with representatives from the Southern California Association of Governments. The study is anticipated to be completed in Winter 2016 and, once the study is approved, the City will begin implementation of the approved recommendations.

59. **Remote Monitoring and Control of Stormwater Treatment Facility**

The City is in the process of upgrading the two stormwater treatment facilities (Civic Center Way and Paradise Cove) with telemetry equipment that will enable staff to monitor and control the stormwater treatment facilities remotely.

60. **Point Dume Traffic Management Plan**

In response to community concerns about pedestrian and vehicle safety throughout Point Dume, two community meetings were held to develop a plan for specific traffic calming improvements for the neighborhood. Staff presented its recommendations to the City Council on March 14, 2016, the Council directed staff to implement the following in Point Dume: 1) Install speed humps on Portshead Road from PCH to Boniface Drive; 2) Install six radar speed advisory signs throughout the Point Dume neighborhood and on Busch Drive; 3) Install traffic lane edge striping on Grasswood Avenue and Fernhill Drive; 4) Install a crosswalk at the intersection of Heathercliff Road and Dume Drive; 5) Lower the posted speed limit on Bluewater Road, Wildlife Road and Cliffside Drive from 30 miles per hour to 25 miles per hour; and 6) Require removal of landscape encroachments, with the exception of mature trees, by private property owners into the public right-of-way.

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RESOLUTION NO. 16-33

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MALIBU
ADOPTING THE ANNUAL BUDGET FOR FISCAL YEAR 2016-2017

The City Council of the City of Malibu does hereby find, order and resolve as follows:

SECTION 1. The City Council has reviewed the proposed budget at which time recommendations of the City Manager were considered, public testimony was received and changes were made by the City Council.

SECTION 2. The 2016-2017 proposed budget is hereby approved and adopted as the official municipal budget for the City of Malibu.

SECTION 3. Unexpended appropriations may be carried forward to the next fiscal year provided the funds have been previously encumbered for a specific purpose or apply to authorized but incomplete projects in the Capital Improvement Plan.

SECTION 4. This resolution shall become effective as of July 1, 2016.

SECTION 5. The City Clerk shall certify to the passage and adoption of this resolution and enter it into the book of original resolutions.

PASSED, APPROVED AND ADOPTED this 27th day of June 2016.

LAURA ROSENTHAL, Mayor

ATTEST:

LISA POPE, City Clerk
(seal)

APPROVED AS TO FORM:

CHRISTI HOGIN, City Attorney

RESOLUTION NO. 16-34

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MALIBU
APPROVING THE AUTHORIZED POSITIONS AND SALARY RANGES
FOR FISCAL YEAR 2016-2017

The City Council of the City of Malibu does hereby find, order and resolve as follows:

SECTION 1. The City Council has reviewed the Authorized Positions and Salary Ranges for Fiscal Year 2016-2017 as set forth in Exhibit A.

SECTION 2. The Authorized Positions and Salary Ranges for Fiscal Year 2016-2017 incorporated herein by this reference are hereby approved.

SECTION 3. The City Manager has the authority to increase a salary range as needed for authorized positions that are required to be on call for emergency services by a maximum of three percent.

SECTION 4. This resolution shall become effective on July 1, 2016.

SECTION 5. The City Clerk shall certify to the passage and adoption of this resolution and enter it into the book of original resolutions.

PASSED, APPROVED AND ADOPTED this 27th day of June 2016.

LAURA ROSENTHAL, Mayor

ATTEST:

LISA POPE, City Clerk
(seal)

APPROVED AS TO FORM:

CHRISTI HOGIN, City Attorney

CITY OF MALIBU			
AUTHORIZED PERSONNEL			
FY 2016 - 2017			
		2015-2016	2016-2017
		Adopted	Proposed
MANAGEMENT SERVICES			
	City Manager	1.00	1.00
	Assistant to the City Manager	0.00	1.00
	Executive Assistant	1.00	1.00
	City Clerk	1.00	1.00
	Human Resources Manager	0.00	1.00
	Human Resources Analyst	1.00	0.00
	Human Resources Technician	0.00	1.00
	Media Information Officer	1.00	1.00
	Media and Technology Technician	2.00	2.00
	Emergency Services Coordinator	1.00	1.00
	Deputy City Clerk	1.00	1.00
	Intern (Graphic Design)	0.50	0.50
	Student Interns	3.43	3.43
	Total	12.93	14.93
ADMINISTRATIVE SERVICES			
	Assistant City Manager	1.00	1.00
	Finance Manager	1.00	1.00
	Information Systems Manager	0.00	1.00
	Information Systems Administrator	1.00	0.00
	Financial Analyst	0.00	1.00
	Sr. Accounting Technician	1.00	0.00
	Sr. Accounting Clerk	1.00	1.00
	Accounting Clerk	0.00	1.00
	PW Maintenance Worker	1.00	1.00
	Office Assistant/Receptionist	1.00	1.00
	Office Assistant	1.00	1.00
	Total	8.00	9.00
ENVIRONMENTAL SUSTAINABILITY			
	ESD Director/Building Official	1.00	1.00
	ESD Manager/Deputy Building Official	1.00	1.00
	Environmental Programs Manager	1.00	0.00
	Environmental Health Administrator	0.00	1.00
	Certified Plans Examiner	1.00	1.00
	Sr. Building Inspector	1.00	1.00
	Building Inspector	2.00	2.00
	Sr. Environmental Program Coordinator	1.00	1.00
	Environmental Programs Specialist	1.00	1.00
	Sr. Administrative Assistant	1.00	1.00
	Administrative Assistant	1.00	1.00
	Sr. Permit Services Technician	2.00	2.00
	Wastewater Man. Program Analyst	1.00	1.00
	Office Assistant	1.00	1.00
	Office Assistant (Part-time)	0.50	0.50
	Total	15.50	15.50

CITY OF MALIBU			
AUTHORIZED PERSONNEL			
FY 2016 - 2017			
		2015-2016 Adopted	2016-2017 Proposed
PLANNING DEPARTMENT			
	Planning Director	1.00	1.00
	Planning Manager	1.00	1.00
	Senior Planner	2.00	3.00
	Associate Planner	4.00	3.00
	Assistant Planner	2.00	2.00
	Planning Technician	2.00	2.00
	Senior Code Enforcement Officer	1.00	1.00
	Code Enforcement Officer	1.00	1.00
	Senior Administrative Analyst	1.00	1.00
	Senior Administrative Assistant	1.00	1.00
	Office Assistant	3.00	3.00
	Planning Intern (Part-time)	0.50	0.50
		19.50	19.50
PUBLIC WORKS			
	Public Works Director/City Engineer	1.00	1.00
	Assistant Public Works Director/City Engineer	1.00	1.00
	Associate Civil Engineer	0.00	1.00
	Assistant Civil Engineer	1.00	2.00
	Public Works Superintendent	1.00	1.00
	Public Works Inspector	1.00	1.00
	Administrative Analyst	1.00	1.00
	Administrative Assistant	1.00	1.00
	Total	7.00	9.00
RECREATION SERVICES			
	Recreation Director	1.00	1.00
	Recreation Manager	1.00	1.00
	Recreation Supervisor	1.00	1.00
	Parks Supervisor	1.00	1.00
	Administrative Assistant	1.00	1.00
	Recreation Coordinator	3.00	3.00
	Parks Maintenance Worker	1.00	1.00
	Lifeguards (Part-time)	3.07	3.01
	Recreation Assistants (Part-time)	7.37	7.36
	Total	19.44	19.37
TOTAL EMPLOYEES		82.37	87.30

CITY OF MALIBU AUTHORIZED POSITIONS AND SALARY RANGES		
2016-2017		
Classification	Salary Range	
City Manager	215,000	
Assistant City Manager	144,758	188,185
Public Works Director/City Engineer	137,897	179,266
Environmental Sustainability Department Director/Building Official	137,897	179,266
Parks & Recreation Director	128,198	166,658
Planning Director	128,198	166,658
Assistant Public Works Director/City Engineer	110,749	143,974
Planning Manager	110,749	143,974
ESD Manager/Deputy Building Official	110,749	143,974
Finance/Accounting Manager	108,045	140,459
Permit Services & Code Enforcement Manager	100,447	130,581
Senior Civil Engineer	100,447	130,581
City Clerk	100,447	130,581
Environmental Programs Manager	97,628	126,917
Public Works Superintendent	97,623	126,909
Information Systems Manager	95,667	124,367
Associate Civil Engineer	86,767	112,798
Environmental Health Administrator	86,767	112,798
Information Systems Administrator	86,767	112,798
Principal Planner	86,767	112,798
Senior Planner	82,995	107,894
Assistant to City Manager	82,995	107,894
Recreation Manager	81,362	105,771
Certified Plans Examiner	79,046	102,760
Senior Environmental Programs Coordinator	79,046	102,760
Human Resources Manager	79,046	102,760
Senior Administrative Analyst	76,779	99,812
Assistant Civil Engineer	74,957	97,445
Executive Assistant	72,870	94,730
Environmental Programs Coordinator	71,384	92,800
Financial Analyst	71,384	92,800
Associate Planner	71,222	92,588
Media Information Officer	70,747	91,971
Recreation Supervisor	70,747	91,971
Parks Supervisor	69,770	90,701
Senior Building Inspector	69,644	90,537
Senior Code Enforcement Officer	69,643	90,536
Senior Public Works Inspector	69,555	90,421
Emergency Services Coordinator	68,316	88,810
Administrative Analyst	66,326	86,224
Human Resources Analyst	66,326	86,224

CITY OF MALIBU AUTHORIZED POSITIONS AND SALARY RANGES		
2016-2017		
Classification	Salary Range	
Senior Accounting Technician	62,758	81,586
Senior Recreation Coordinator	61,522	79,979
Assistant Planner	60,703	78,914
Building Inspector	60,166	78,216
Code Enforcement Officer	60,166	78,216
Deputy City Clerk	60,166	78,216
Environmental Programs Specialist	59,866	77,826
Public Works Inspector	58,727	76,345
Senior Parks Maintenance Worker - Resident*	58,247	75,721
Senior Public Works Maintenance Worker	57,301	74,492
Senior Permit Services Technician	57,301	74,492
Senior Administrative Assistant	57,301	74,492
Planning Technician	57,301	74,492
Recreation Coordinator	55,931	72,710
Accounting Technician	54,573	70,945
Human Resources Technician	54,170	70,421
Public Works Maintenance Worker	50,383	65,497
Administrative Assistant	50,383	65,497
Parks Maintenance Worker	50,383	65,497
Permit Services Technician	49,494	64,342
Media and Technology Technician	49,494	64,342
Records Management Specialist	47,304	61,495
Wastewater Management Program Analyst	47,184	61,339
Senior Accounting Clerk	46,013	59,817
Senior Office Assistant	43,832	56,981
Accounting Clerk	43,090	56,017
Office Assistant	37,856	49,213
Pool Manager	33,493	43,541
Part-Time Positions - Hourly Rates		
Recreation Assistants I (Part-time)	11.89	15.45
Recreation Assistants II (Part-time)	15.46	20.10
Office Assistant (Part-time)	13.91	18.08
Intern (Part-time)	12.88	16.74
Lifeguards (Part-time)	11.63	15.12
Student Intern	10.50	13.65
* Housing provided and salary adjusted accordingly		

RESOLUTION NO. 16-35

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MALIBU
ESTABLISHING THE APPROPRIATIONS LIMIT FOR FISCAL YEAR 2016-
2017

The City Council of the City of Malibu does hereby find, order and resolve as follows:

SECTION 1. Recitals.

- A. Article XIII B of the State Constitution requires the calculation of an annual appropriations limit for state and local government.
- B. The required computations to determine the appropriations limit for Fiscal Year 2016-2017 were performed and are attached as Exhibit A and B. The appropriations limit is \$23,963,095.
- C. In calculating the appropriations limit for Fiscal Year 2016-2017, the City has used the California per capita personal income growth factor of 5.37% and the population growth factor for the County of Los Angeles of 0.85% as provided by the State Department of Finance.

SECTION 2. The City Council hereby establishes the appropriations limit of \$23,963,095 for Fiscal Year 2016-2017.

SECTION 3. The City Clerk shall certify to the passage and adoption of this resolution and enter it into the book of original resolutions.

PASSED, APPROVED AND ADOPTED this 27th day of June 2016.

LAURA ROSENTHAL, Mayor

ATTEST:

LISA POPE, City Clerk
(seal)

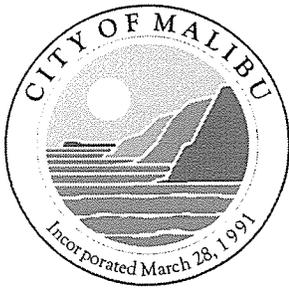
APPROVED AS TO FORM:

CHRISTI HOGIN, City Attorney

City of Malibu			
Calculation of Appropriations Limit			
Fiscal Year 2016-2017			
Initial Limit (established by vote)			\$8,550,962
PRIOR YEAR ADJUSTMENTS			
	<u>Factor</u>	<u>Amount</u>	
1994-1995	1.02352	8,752,044	
1995-1996	1.04720	9,165,141	
1996-1997	1.06491	9,760,074	
1997-1998	1.07004	10,443,683	
1998-1999	1.06483	11,120,742	
1999-2000	1.04540	11,625,674	
2000-2001	1.08330	12,594,100	
2001-2002	1.09976	13,850,538	
2002-2003	1.00655	13,941,292	
2003-2004	1.04510	14,569,998	
2004-2005	1.05253	15,335,309	
2005-2006	1.06502	16,332,421	
2006-2007	1.04771	17,111,623	
2007-2008	1.05172	17,996,606	
2008-2009	1.05187	18,930,070	
2009-2010	1.01526	19,218,863	
2010-2011	0.98269	18,886,169	
2011-2012	1.02900	19,433,780	
2012-2013	1.04164	20,243,066	
2013-2014	1.05845	21,426,340	
2014-2015	1.00548	21,543,800	
2015-2016	1.04671	22,550,181	
CALCULATION OF FACTOR FOR FISCAL YEAR 2016-2017			
Per Capita Change in Cost of Living			5.37%
Population Change			0.85
Per Capita Change converted to a ratio			1.0537
Population Change converted to a ratio			1.0085
Calculation of factor (1.0537 x 1.0085)			1.06265645
FISCAL YEAR 2016-2017 ESTABLISHED LIMIT			\$23,963,095
Population adjustment figures are based on the State Department of Finance Reports			
Inflation adjustment are based on the State Department of Finance figures used specifically to determine changes in the appropriation limit			

City of Malibu			
Calculation of Proceeds of Taxes Fiscal Year 2016-2017			
Revenue Sources	Proceeds of Taxes (Subject to Limitation)	Non-Proceeds of Taxes (Not subject to limitation)	
Discretionary:			
Property Taxes	\$ 10,990,000	\$	-
Documentary Transfer Tax	650,000		-
Utility Users Tax	2,500,000		-
Transient Occupancy Tax	2,150,000		-
City Franchise Fees	-		775,000
Sales and Use Tax	3,600,000		-
Parking Tax	350,000		-
Alarm Permit Fees	-		30,000
Film Permit Fees	-		475,000
Parking Citations	-		475,000
Motor Vehicle In-Lieu Fees	-		-
Vehicle Impound Fees	-		20,000
Interest Earnings	-		60,000
City Hall Use Fees	-		20,000
Adopt-A-Storm Drain Fee	-		-
All Other Revenue	-		10,000
Total Discretionary Taxes	20,240,000		1,865,000
Non-Discretionary:			
Building Permits	-		570,000
Coastal Development Permits	-		-
Building Plan Check Fee	-		360,000
Geo Soils Engineering Fee	-		450,000
Environmental Health Review Fee	-		250,000
Code Enforcement Investigation Fee	-		10,000
Planning Review Fee	-		950,000
Public Works Project Review Fee	-		250,000
SUSMP Fee	-		13,000
False Alarm Service Charge	-		12,000
Passport Fees	-		40,000
Recreation Service Fees	-		512,500
Legacy Park	-		2,151,219
All Other Fees	-		1,396,350
Total Use and Service Fees	-		6,965,069

Restricted Revenues:			
State Gas Tax		275,716	-
Community Development Block Grant		-	106,979
Slide Assessment District Maintenance		-	378,371
Parkland Development Fees		-	15,500
Solidwaste Management Surcharge		-	140,100
Traffic Safety Fines and Forfeitures		-	300,500
Proposition A and C Traffic		395,800	-
Grants		-	11,604,894
Measure R		130,300	-
Air Quality Management District		-	15,050
Law Enforcement Grants		-	100,000
Total Restricted Revenue		801,816	12,661,394
Total - All Revenue Sources		<u>\$ 21,041,816</u>	<u>\$ 21,491,463</u>
Limit 2016-2017		\$ 23,963,095	
(Over)/Under Limit		\$ 2,921,279	
Note: since the total proceeds of taxes is lower than the limit, the other schedules were not completed.			



Council Agenda Report

To: Mayor Rosenthal and the Honorable Members of the City Council

Approved by: Reva Feldman, City Manager

Date prepared: June 14, 2016 Meeting date: June 27, 2016

Subject: Integrated Pest Management (IPM) Policy and Program

RECOMMENDED ACTION: 1) Consider recommendations from the Parks and Recreation Commission; and 2) Provide direction to staff regarding possible revisions to Council Policy No. 49 (IPM Policy) and the IPM Program.

FISCAL IMPACT: The fiscal impact will depend on the direction provided by the Council. Estimates for alternative park maintenance options are provided in detail below and range from \$20,000 a year to \$946,000 a year depending on the extent of the maintenance. Certain one-time improvement options could cost up to \$2,000,000.

DISCUSSION: On October 8, 2013, the Council adopted Council Policy No. 49 (IPM Policy) (Attachment 1) and the IPM Program (Attachment 2) formally committing Malibu to reduce or eliminate the use of pesticides, when reasonable, through the use of IPM principles and practices. The IMP Policy and IPM Program reflect the Council's commitment to safe and environmentally-responsible pest control and the City's goal of being a leader in environmental efforts.

On May 17, 2016, the Parks and Recreation Commission reviewed the IPM Policy and IPM Program. The review included discussion on action thresholds, pest control measures and effectiveness of those control measures, safety issues, pesticide use, product descriptions, locations, purpose and amounts. The Commission also reviewed the IPM balance between environmental sensitivity, safety and effectiveness, and program affordability necessary to manage a proper IPM program.

For the past five years, City staff has been practicing management principles consistent with an effective IPM program. The following cultural, physical, biological and chemical control measures have been implemented to effectively manage a variety of pests in the City's park system:

- Cultural Controls – practices used to minimize the availability of food, water and shelter necessary to sustain an environment where pests can thrive. This is the primary method used to prevent pest infestations.
- Physical Controls – physical barriers used to prevent or control pest access into a protected area, including mechanical devices to trap pests. Physical controls have proved effective but are not necessarily feasible for all infestations.
- Biological Controls – introduction of a pest’s natural predator into an environment to control or prevent infestation. Biological controls are considered to be the most environmentally-sensitive control but are often inadequate when an ecosystem is out of balance or infestation is beyond acceptable tolerance levels.
- Chemical Controls – organic or synthetic pesticides used to control or eliminate pests when other control measures are cost prohibitive or ineffective. IPM programs generally recognize pesticides to be the last resort for pest control. Pesticides are also recognized as the most effective and least expensive form of pest control available. However, many believe pesticides are unnecessary on any level due to the perception that they may present a variety of health issues to humans, animals and plants.

The Environmental Protection Agency (EPA) assigns signal words and categories to all pesticides, so users know the level of risk associated with each product:

- CAUTION (Category III) – The pesticide product is slightly toxic if eaten, absorbed through the skin or inhaled, or it causes slight eye or skin irritation.
- WARNING (Category II) – The pesticide product is moderately toxic if eaten, absorbed through the skin or inhaled, or it causes moderate eye or skin irritation.
- DANGER (Category I) – The pesticide product is highly toxic by at least one route of exposure. It may be corrosive, causing irreversible damage to the skin or eyes. Alternatively, it may be highly toxic if eaten, absorbed through the skin, or inhaled. The word “POISON” must be included in red letters on the front panel of the pesticide product label.

In order to meet the needs of each park and apply appropriate control methods, the following list of products have been utilized at City properties:

City of Malibu Pesticide Use List:

Commercial Name	Common Name	Type	Signal Word	Category	Characteristics
Roundup® Pro	Glyphosate	Herbicide	Caution	III	Post-emergent, non-selective
SpeedZone®	2,4-D, 2-ethylexyl ester	Herbicide	Caution	III	Post-emergent, selective
Fusilade® II	Fluazifop-P-butyl	Herbicide	Caution	III	Post-emergent, selective
Dimension® 270G	Dithiopyr	Herbicide	Caution	III	Pre-emergent, non-selective
Fumitoxin®	Aluminum phosphide	Rodenticide	Danger	I	Fumigant

The Pesticide Use List is posted on the City’s website for public review at: <http://www.malibucity.org/DocumentCenter/View/10247>. The herbicides listed have all been used in the last six months; the rodenticide, Fumitoxin, has not been used during the last five years.

- **Roundup** is a post-emergent, non-selective systemic herbicide that is formulated to control a wide variety of invasive broadleaf and grass-type weeds after they have emerged through the soil surface. It is used to control weeds in hardscape, such as roadways and pavers, on trails and landscapes when other IPM methods (hand-weeding or mechanical weed whips) are not feasible.
- **SpeedZone** is a selective, post-emergent herbicide formulated to control flowering and other broadleaf weeds only, and is used in sports fields to provide level, uniform, predictable playing surfaces in order to reduce injuries during sporting activities.
- **Fusilade** works as a post-emergent, selective herbicide formulated to control grassy weeds only, without harming surrounding, desirable broadleaf plants. Grass-type weeds, such as bermuda grass and kikuyu grass, cannot effectively be controlled with physical or mechanical techniques, especially when they share space with other desirable native plants.
- **Dimension**, a non-selective, pre-emergent herbicide that controls weeds before they emerge through the soil surface, is used in newly planted sports fields, medians and planters. Using this product adjacent to roads and vehicle traffic increases worker safety by decreasing exposure to roadway traffic.
- **Fumitoxin** is on the pesticide list as a potential chemical control, but has not been used by the City for more than five years. It is a rodenticide typically used to control

burrowing animals like gophers and squirrels. The product is applied below the surface of the ground after the application area is cordoned off from park visitors. Once activated, the chemical dissipates relatively quickly and cannot be carried from one animal to another through the food chain.

Between July 2014 and June 2016, the City used Roundup, SpeedZone, Dimension and Fusilade to control weeds and maintain landscaped areas within the park system. The City has not use Fumitoxin or rodenticides at any City property for the past five years. The following table shows the quantity of each product used and the location of use:

	Roundup	Dimension	SpeedZone	Fusilade	Fumitoxin
Trancas Canyon Park	2 oz.	100 lbs.	42 oz.		
Malibu Equestrian Park	10 oz.				
Malibu Bluffs Park	24 oz.	100 lbs.	54 oz.		
Legacy Park	321 oz.		12 oz.		
Las Flores Creek Park	23.5 oz.				
PCH Median	7 oz.				
Triangle Planter	4 oz.			1.5 oz.	
Total Amounts Used	391.5 oz.	200 lbs.	108 oz.	1.5 oz.	0 oz.
Equivalents	3.05 gallons		0.84 gallons	3 tbsp.	

To be effective, an IPM must balance environmental sensitivity, effectiveness and affordability. Since the Council approved the IPM Program, the balance of the program has been based on the financial resources approved by Council to support the IPM program, the community's need for safe parks and recreation facilities, and the need to achieve a balance between the environment and surrounding natural resources.

Setting priorities is critical in establishing standards and maintaining the proper balance of any effective IPM program. Assigning priority to any one component can produce both intended and unintended outcomes. An increase in one area may result in a decrease in another area. As an example, eliminating the use of pesticides will increase the environmental sensitivity of the program, but can increase associated maintenance costs and result in a reduction in the level of effectiveness necessary to maintain the City parks. In order to establish an IPM balance, the City's IPM Program has been based on the broadest definition of parks and how they serve the needs of the community. Consideration has also been given to the lack of data that definitively proves a connection

between the herbicides used by the City and assumed health issues. Most research investigates the “hazard” and not the “risk” of a chosen herbicide. While a hazard may exist in the lab environment, there is most likely no risk to human health when applied correctly in a real world situation.

The City’s parks serve a variety of activities and uses, from active to passive recreation. Due to the geographical makeup of Malibu, City parks are near or adjacent to open space and natural areas. The City is challenged with the need to maintain parks and fields in conditions that are appropriate for active uses, such as AYSO soccer and Little League baseball, while also acting as a responsible environmental steward by not using pesticides to control weeds and maintain landscaped areas.

The general concern shared by speakers at the Parks and Recreation Commission was that use of pesticides in City parks was either unsafe or unnecessary, regardless of the results.

Parks and Recreation Commission Recommendations

Proposed Oversight Committee

In response to concerns raised by the public and representatives from Poison Free Malibu, the Parks and Recreation Commission recommended that the Council establish a Council-appointed IPM oversight committee.

Implementation of an oversight committee would be a revision to the IPM Policy. The recommendation to create an oversight committee was based on a request from the Poison Free Malibu group. The group asked that an Earth Friendly Management (EFM) approach be used for developing a committee that would advise the Parks and Recreation Commission in best pest management practices for the park system. The following is a description of the EFM Oversight Committee as presented in Poison Free Malibu’s “STEP UP:”

“An EFM Oversight Committee shall be formed which shall advise the Parks and Recreation Commission as to all matters arising out of or in connection with this Policy. The EFM Committee shall be responsible for selecting control methods and materials. Whenever practical, the EFM Coordinator and/or the Parks and Recreation Commission shall consult with the EFM Committee prior to the granting of any waivers under Section 6 (section 6 refers to granting waivers for chemical use). The EFM Committee shall have such additional responsibilities as may be granted to it by the Parks and Recreation commission. The EFM Committee shall be composed of a city Environmental Department staff member, a Parks & Recreation Department staff member, and environmentally knowledgeable individuals including community members, parents of school-enrolled students,

public health professionals, medical practitioners, and representatives from environmental groups.”

The Parks and Recreation Commission is an advisory body that makes recommendations to the Council based on specific Council assignments. The newly formed committee could make recommendations to the Commission, and the Commission would then evaluate those recommendations in connection with the Commission’s recommendation to Council. Alternatively, the committee could give its recommendations directly to the City Council. Neither the Commission nor committee have authority to give direction to staff. If the Council approves the establishment of an oversight committee, it must decide how appointments will be made and define the committee’s specific goals and responsibilities.

Proposed Pilot Program at Legacy, Las Flores Creek and Equestrian Parks

The Commission also recommended that the Council implement a 2-year pilot program to completely eliminate the use of pesticides at Legacy Park, Las Flores Creek Park and the Equestrian Park, with the goal of having all City parks becoming pesticide-free. Several critical factors must be considered by the Council prior to approving the implementation of this proposed program.

To be effective, an IPM Program must balance the financial resources available to support the program with the community’s need for healthy, safe parks and recreation facilities while respecting the environment and natural resources. Setting priorities based on community needs, local culture and financial resources is critical to establishing standards and maintaining the balance of any effective IPM program. In making its decision, the Council must consider the pros and cons of each option:

- Use of pesticides enhances program effectiveness and reduces costs, but also reduces the program’s environmental sensitivity.
- Using only organic pesticides could reduce overall effectiveness and maintain environmental sensitivity, but will increase maintenance costs due to an increase in weeds and, consequently, weed maintenance, an increase in squirrel populations, and a corresponding increase in predator animals, such as rattlesnakes.
- Eliminating the use of pesticides would increase environmental sensitivity, but will also reduce the quality of City park landscaping and maintenance affordability.

Maintenance Costs for Proposed Pilot Program (without Bluffs and Trancas Parks)

The City currently pays \$103,000 for landscape maintenance and pest control at Legacy Park, Las Flores Creek Park and the Equestrian Park. To eliminate pesticides, the cost will be \$727,000 annually, which is an increase of \$624,000 for less service, but increased environmentally sensitivity. This level of service would provide for weeding on a weekly basis.

Maintenance Costs at All City Parks (Including Bluffs and Trancas Canyon Parks)

The City currently pays \$186,000 annually for landscape maintenance and pest control for all City parks. To eliminate pesticides, the cost will be \$434,000 annually, an increase of \$246,000 for less service but increased environmental sensitivity. This level of service provides for manual weeding of planter beds only in all parks on a monthly basis from April to October and bi-monthly from November through May.

To maintain the current level of service and aesthetics without the use of pesticides, the City projects an annual cost of \$954,000, which is an increase of \$768,000 over the current cost. This level of service would provide for manual weeding of all parks on a weekly basis.

It must be noted that the native habitat areas of Legacy Park would very likely be quickly overrun by weeds if no pesticides were utilized there.

Bluffs Park

Poison Free Malibu and other members of the community have also requested that the City stop the use of pesticides at Bluffs Park. As described in the table above, current use of pesticides at Bluffs Park is minimal and is used to maintain landscaped areas and the turf areas used for active recreation.

Maintenance Costs at Bluffs Park

The City currently pays \$42,000 a year for the maintenance of Bluffs Park. This includes maintaining all landscaped areas, as well as the turf used for active recreational uses, such as AYSO soccer and Little League baseball. Consequences to halting the use of pesticides at Bluffs Park include an increase of weeds, an increase in the population of burrowing animals and a corresponding increase in predatory animals. Additionally, the increase of burrowing animals will contribute to the number of holes on the turf, which will create trip and fall hazards, thereby creating a financial liability to the City.

The cost to maintain the turf without the use of pesticides would be approximately \$150,000, an increase of \$108,000 a year for weekly weeding services. In addition, the overgrowth of weeds that would result from the elimination of pesticides would require the sod be replaced once or twice each year to maintain the current park standards. Replacement of sod on the playing fields is estimated at \$250,000 per replacement. The field at Trancas Canyon Park would require the same sod replacement if no pesticides are used. The cost would be slightly less than Bluffs as the field surface is smaller.

Bluffs Park Alternatives

1. **Underground Wire Mesh:** One alternative that has been proposed at Bluffs Park would be to install wire mesh under the entire turf area to prevent burrowing animals. In order to install steel or galvanized wire under the turf, the entire turf will need to be removed and disposed of, the existing irrigation system will be need to be

removed and replaced, and then the wire mesh would be installed followed by the installation of new turf. The estimated one-time cost for the installation of wire mesh is approximately \$2,000,000.

2. Trap and Removal: This method is currently being used at the park, but the City has received negative feedback from some members of the community, as well as from People for the Ethical Treatment of Animals (PETA) about this method of rodent control. The estimated cost for this method is approximately \$37,000 a year, about 70 percent of which is for staff time to check traps and remove the pests. The City spent \$14,000 on the trapping process in Fiscal Year 2015-2016 and, while traps are in place, squirrels are not being trapped because relocation of ground squirrels is illegal without a permit. The City's current contractor will not relocate ground squirrels.
3. Burrow Blocker: This system pumps a slurry of water and sand into the burrowing animals' tunnels and dens. The water is absorbed into the soil, leaving the sand to seal the burrow and captures the rodents underground. This is the most cost-effective method, with an estimated cost of just over \$20,000, but may receive similar feedback as the Trap and Removal method. In addition, excessive water on the playing fields may result in the need for additional turf maintenance, which will increase the overall cost of utilizing this method.
4. Artificial Turf: Total removal of all grass areas at the park and replacing them with artificial turf would all but eliminate the need for pest control, but would also greatly reducing the aesthetic value of the park. At an estimated \$9 per square foot, the approximate total cost would be \$1,700,000.

An inquiry was sent out to California cities asking those that had chemical-free IPMs to report their outcomes. Of the 22 responding cities, three had IPMs. The City of Piedmont has a policy that they do not use any chemicals, but the majority of their active recreation sports fields are artificial turf. The City of Santa Monica's IPM is very similar to Malibu's IPM. The City of Irvine recently adopted an IPM similar to the City of Malibu indicating that pesticides should only be used when other methods fail to provide adequate control of pests. Staff is continuing to search for other cities with chemical-free IPMs and will provide additional information as it becomes available.

ATTACHMENTS:

1. Council Policy No. 49 – IPM Policy
2. IPM Program



City of Malibu

City Council Policy

Policy #49

Title: Integrated Pest Management Policy (IPM)

Purpose: To establish best management practices for controlling pests that are harmful to the health, function or aesthetic value of park landscapes in an efficient, effective, and environmentally responsible manner, while paying careful attention to public safety.

Policy Statement:

IPM is a coordinated decision-making and action process that uses the most appropriate pest control methods and strategies in an environmentally and economically sound manner to meet pest management objectives. The elements of integrated pest management include: (a) preventing pest problems; (b) monitoring for the presence of pests and pest damage; (c) establishing action thresholds to determine when control measures and treatment strategies shall be implemented; (d) apply control measures using biological, cultural, mechanical and pesticidal control methods based on ecological impact, feasibility and cost effectiveness; and (e) evaluating the effects and efficacy of pest treatments.

Implementation:

1. City Policy

- A. Under this IPM policy, the City commits to implementing best management practices to reduce or eliminate the use of pesticides whenever feasible through the basic IPM principles as described below.
- 1) Prevention – The first line of pest control is through policy implementation and thoughtful planning.
 - 2) Action Thresholds – The tolerance threshold level is the point when pest populations or environmental conditions indicate when control actions are to be taken.
 - 3) Identification and Monitoring – Identify pests and monitor them so the appropriate control decisions can be made in conjunction with action thresholds.
 - 4) Control Measure – Pest treatment strategies implemented to control pests through cultural, physical, biological or chemical control measures with a



minimum impact on health, safety, the environment and non-target organisms.

- 5) Evaluate the effects and efficacy of control measures. After a control method is implemented, the efficacy of the treatment is evaluated. Based on this evaluation, methods will be modified in an effort to continually improve outcomes and refine best management practices.

2. Designation of IPM Coordinator

The City of Malibu shall designate the Parks Recreation Director to serve as the IPM Coordinator to oversee implementation of this policy. This person will be the primary contact for all matters related to pest control for the city and act as a liaison between the city departments and pest management professionals. The IPM Coordinator will serve as a contact for the public seeking information about pesticide use or other pest management practices. The IPM Coordinator will also be responsible for the developing and maintaining an IPM Operations Manual for the City.

Date Adopted:

October 28, 2013

City of Malibu
Integrated Pest Management Program

Introduction

The purpose of the IPM Program (IPM) is to establish and implement best management practices for controlling pests that are harmful to the health, function or aesthetic value of park landscapes in an efficient, effective, and environmentally responsible manner.

IPM is a coordinated decision-making and action process that uses the most appropriate pest control methods and strategies in an environmentally and economically sound manner to meet pest management objectives.

Under the IPM policy, the City commits to implementing best management practices to reduce or eliminate the use of pesticides whenever feasible through the basic IPM program principles as described below.

- 6) Prevention – The first line of pest control is through policy implementation and thoughtful planning.
- 7) Action Thresholds – The tolerance threshold level is the point when pest populations or environmental conditions indicate when control actions are to be taken.
- 8) Identification and Monitoring – Identify pests and monitor them so the appropriate control decisions can be made in conjunction with action thresholds.
- 9) Control Measure – Pest treatment strategies implemented to control pests through cultural, physical, biological or chemical control measures with a minimum impact on health, safety, the environment and non-target organisms.
- 10) Evaluate the effects and efficacy of control measures. After a control method is implemented, the efficacy of the treatment is evaluated. Based on this evaluation, methods will be modified in an effort to continually improve outcomes and refine best management practices.

Integrated Pest Management Methodology

The IPM is a pest management strategy that focuses on long-term prevention or suppression of pest problems through a combination of integrated techniques such as policy implementation, planning, monitoring for pest presence and establishing treatment threshold levels, improving sanitation, and employing mechanical and physical controls. Pesticides that pose the least possible hazard and are effective in a

manner that minimizes risks to people, property, and environment, are used only after careful monitoring indicates they are necessary.

Methodology

- 1) IPM Policy – Establish best management practices to control pests that are environmentally sensitive, effective and financially feasible.
- 2) Design and Plant Selection – Incorporate landscape designs and plant selections that minimize pest management issues.
- 3) Cultural Practices – Maintain cultural practices that establish healthy landscapes and assist in maintaining their resistance to pest problems.
- 4) Physical Controls – Employ mechanical and physical methods to manage pests.
- 5) Biological Controls – Where applicable, introduce natural predator of pest as biological control and minimize disruption of natural pest controls that may be present.
- 6) Chemical Controls – Use of the least toxic naturally and synthetically derived pesticides available when non-chemical alternatives prove to be ineffective or cost prohibitive.

Selection Criteria for Pest Management Method

In selecting a pest management method all personnel shall consider the following factors and any additional factors relevant to the selection.

- 1) Nature of the site
 - Susceptibility to erosion and potential soil movement from water runoff
 - Intended use and function of the landscape
 - Feasibility of the control method, site location and scope of the problem
 - Relative importance and public expectation of the site and plantings
 - Site conditions such as soil type, grade, drainage patterns, and presence of surface water
- 2) Possible health and safety effects – Consider both short and long-term toxicological properties and any other related potential health effects of the materials or methods, both to the applicator and the public
 - Equipment operation safety issues for both the operator and the public
 - Worker safety and worker injury issues involved with carrying out the method

- 3) Possible environmental effects – Consider both acute and chronic toxicity and related potential effects of the material or method to non-target organisms including mammals, birds, amphibians, fish, invertebrates and other organisms
 - Environmental effects from potential bioaccumulation
 - Potential impacts to non-target plants and other organisms from materials or methods
 - Potential impacts to federally listed threatened or endangered species
 - Possible introduction or establishment of invasive plants
- 4) Costs – Short and Long Term Financial Impacts
 - Costs of the material or method
 - Application and labor costs
 - Length and quality of pest control
 - Feasibility of using a particular method or product
- 5) Characteristics of the Product
 - Target pests and target sites of the product being used
 - Possible residual effect, decomposition pathways, rates, and breakdown products
 - Volatility and flammability
 - Product formulation and package size
 - Leachability, solubility, and surface and soil bonding characteristics of the product
 - Ease of cleaning equipment after use
 - Positive and negative synergistic effects of pesticide combinations
- 6) Special Considerations
 - Application equipment availability
 - Method of delivery
 - Weather conditions
 - Previous pesticide applications to the site and the interval between treatments
 - Possible development of pest resistance to a particular management method or material
 - For natural area invasive plant removal, the presence of nesting birds in area to be treated

Designation of IPM Coordinator

The Parks Recreation Director shall serve as the IPM Coordinator responsible for oversight and implementation of the IPM Program. This person will be the primary contact for all matters related to pest control for the city and act as a liaison between the city departments and pest management professionals. The IPM Coordinator will be the primary contact for the public seeking information about pesticide use or other pest

management practices. The IPM Coordinator will also be responsible for the developing and maintaining an IPM Operations Manual for the City.

Responsibilities of IPM Coordinator

- 1) Serve as the primary contact for pest control on city property for all city staff and officials; organize IPM trainings for city staff as needed;
- 2) Maintain written records of cultural practices, mechanical control, prevention strategies and other non-toxic pest control activities as well as pesticide use, including requests for Limited Use Exceptions;
- 3) Develop and maintain an Integrated Pest Management Operations Manual including standardized documentation sheets for use in tracking pest populations, pest control actions and effectiveness reports.
- 4) Work with city staff and contractors to maintain and update those sheets;
- 5) Develop and maintain a list of pesticides that may be used by the City, make it available to the public on the city website, and update it annually;
- 6) Create standardized signage for use in public notification. Signage will include date of application, the name and type of product used, the signal word, the active ingredient(s) and a contact phone number where the public may call to obtain information or the website address here the public can access the information on the pesticide application;
- 7) Provide information to the public on pest control and IPM on the Parks Department's webpage and update it regularly, including the list of allowed pesticides and their active ingredients and inert ingredients, advance posting of pending pesticide applications by location, links to this IPM policy, and contact information for the IPM Coordinator;
- 8) Evaluate the IPM Program on a regular basis;
- 9) Ensure that pest management practices carried out by city staff and contractors are consistent with the IPM Policy;
- 10) The IPM Coordinator shall work with City staff or contractors to regularly monitor city property for pests.

Pest Management Planning

Assessment of Condition or Need

The IPM Coordinator and other City staff or contractors shall set action thresholds specific to the types of properties and pests identified, work to prevent pests, evaluate and document management of City properties.

Guidelines for Pest Treatment

If it is determined that treatment is needed, the following criteria hierarchy is used in determining the appropriate strategy:

- 1) Least disruptive of natural controls;

- 2) Least hazardous to human health;
- 3) Least toxic to non-target organisms;
- 4) Protective of wildlife and the native habitat
- 5) Least damaging to the ocean, streams and the natural environment;
- 6) Cultural, biological and mechanical solutions have been considered and evaluated;
- 7) Prior treatments used on site to control the pest and an evaluation of the success of that approach;

Contracts, Notification and Recordkeeping

Contracts

All contractors who manage pests on city owned property shall be required to adhere to the guidelines established in the city's IPM policy and pest management plan. The IPM Coordinator shall develop contracts that reflect this policy and selection of contractors will target those who can and will comply with this IPM policy.

Notification

The City shall provide public notification (as required) of use of pesticides in the following manner:

- 1) Signs of a standard design and 8.5 inches x 11 inches in size, easily recognized by the public and workers, shall be posted at regular public access points to the targeted area according to product requirements in advance of application and remain in place per product label instructions after application.
- 2) Signage shall also comply with any applicable State/Federal law and product label instructions.
- 3) Signs shall contain:
 - Trade name, active and inert ingredients of the pesticide product;
 - Target pest;
 - Date of posting;
 - Dates of anticipated pesticide use and date of actual pesticide use;
 - Signal word (keep of reach of children, caution, warning, and danger) indicating the toxicity category of the pesticide product;
 - Date for re-entry of staff and the public to the treated area, if applicable;
 - Name and contact number for the IPM Coordinator.

Recordkeeping and Reporting

The IPM Coordinator shall keep written records, available to the public, of all pest management activities, including any commercial pesticide applications, restricted pesticide applications and non-pesticide methods, including no-action, used to control or prevent pests for at least two years.

Community Outreach and Education

City Website

- 1) IPM Policy
- 2) List of pesticides used by the City
- 3) Product label for listed pesticides
- 4) References for pesticide use and disposal
- 5) Listing of community based environmental workshops

City Sponsored Workshops

Periodically the City will offer public workshops to demonstrate integrated pest management techniques that can be implemented to safely use, reduce or eliminate pesticides in managing residential landscape areas.

City of Malibu
Parks and Recreation Department

Integrated Pest Management
Pesticide Use List

Commercial Name	Common Name	Type	Category	Characteristics
Roundup Pro	Glyphosate	Herbicide	3	Post emergent, non selective
Speedzone	2,4-D, 2-ethylexyl ester	Herbicide	3	Post emergent, selective
Fusilade II	Fluazifop-P-butyl	Herbicide	3	Post emergent, selective
Dimension 270G	Dithiopyr	Herbicide	3	Pre-emergent, non selective
Fumitoxin	Aluminum phosphide	Burrowing pests	1	Fumigant

Category	Signal Word	Signal Word Descriptions
Category 1	Danger	<p>DANGER. This pesticide product is highly toxic by at least one route of exposure. It may be corrosive, causing irreversible damage to the skin or eyes. Alternatively, it may be highly toxic if eaten, absorbed through the skin, or inhaled. If this is the case, the word "POISON" must also be included in red letters on the front panel of the pesticide product label.</p> <p>WARNING. Indicates the pesticide product is moderately toxic if eaten, absorbed through the skin, inhaled, or it causes moderate eye or skin irritation.</p> <p>CAUTION. Means the pesticide product is slightly toxic if eaten, absorbed through the skin, inhaled, or it causes slight eye or skin irritation.</p>
Category 2	Warning	
Category 3	Caution	