



Council Agenda Report

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

Prepared by: Rob DuBoux, Public Works Director

Approved by: Steve McClary, Interim City Manager

Date prepared: October 6, 2021

Meeting date: November 8, 2021

Subject: Los Angeles County Measure R and M Transportation Funding Update
(Continued from November 2, 2021)

RECOMMENDED ACTION: 1) Receive an update on Los Angeles County Measure R and Measure M Transportation Funding; and 2) Provide direction to staff regarding the development of future projects using Los Angeles County Measure R and Measure M transportation funds.

FISCAL IMPACT: Los Angeles County Measure R was approved by voters in 2008. The City's allocation from Measure R is approximately \$26.3 million for eligible highway operations related transportation capital projects over 30 years. The County of Los Angeles provided the City with an additional \$12 million in Measure R capital funds for a total allocation to the City of \$38.3 million. There is currently \$4.3 million remaining to be allocated to future projects.

Los Angeles County Measure M was approved by voters in 2016. There is no sunset clause on this tax measure and the City will continue to receive some funding. It is anticipated that the City will receive approximately \$45 million from Measure M over the next 27 years for transportation related capital improvement projects. Currently, the City has the ability to program approximately \$14,451,470 in Measure M capital funds. The City has already allocated \$9,283,219 and has \$5,168,251 remaining.

In addition to transportation capital project funding, Measure R and Measure M also provide cities with Local Return revenue to fund routine street maintenance, signal maintenance and other transportation maintenance related expenses. The City receives approximately \$320,000 per year which is budgeted for these purposes.

There is no impact to the General Fund associated with the expenditure of Los Angeles County Measure R and Measure M funding.

WORK PLAN: This item was included as Items #8.b, 8.j, 8.l, 8.p, 8.u, 8.v, 8.x, and 8.y in the Adopted Work Plan for Fiscal Year 2021-2022.

DISCUSSION: Los Angeles County Measure R and Measure M are administered by the Los Angeles County Metropolitan Transportation Authority (Metro) and provide the City with a funding source for transportation related projects, programs, and improvements. The City utilizes these funds for capital improvement projects and street maintenance activities.

Measure R

Los Angeles County Measure R was approved by voters in 2008. This measure created a half-cent sales tax for a period of thirty years to fund transportation projects and improvements. Measure R is estimated to generate approximately \$40 billion dollars countywide.

Measure R funds a wide variety of transportation related project, programs, and improvements within Los Angeles County. Metro administers the funding and approves projects that meet Measure R’s funding guidelines. Capital project funds for highway operational improvements are distributed throughout the County of Los Angeles through various subregions. The City’s subregion, the Las Virgenes-Malibu Subregional Planning Area, received a total of \$175 million to be used over a period of 30 years. The Las Virgenes – Malibu Council of Governments (LVMCOG) helps administer the Measure R funds that are allocated to the subregion. Each jurisdiction within the Las Virgenes-Malibu Subregional Planning Area, which includes Malibu, Westlake Village, Agoura Hills, Calabasas, Hidden Hills and the adjacent unincorporated Los Angeles County, receives its share of the \$175 million on a per capita basis. The City’s portion is \$26.3 million.

Proposed projects are submitted to the LVMCOG for review and approval. Approved projects are then forwarded to Metro for final review and approval. Once approved by the Metro Board, a funding agreement is developed between Metro and the City for that specific project. Since implementation of the Measure R Program, the City has been utilizing Measure R funds for a variety of transportation related projects.

The following is a list of approved projects funded with Los Angeles County Measure R:

Project	Total Budget	City Measure R Allocation	Status
Kanan Dume Rd. Arrester Bed Improvements	\$900,000	\$900,000	Completed

PCH & Big Rock Intersection Improvements	\$450,000	\$450,000	Completed
PCH Bike Route Improvements	\$1,318,254	\$500,000	Completed
PCH at La Costa Pedestrian Improvements	\$500,000	\$500,000	Completed
Park and Ride (Land Acquisition)	\$7,356,225	\$3,500,000	Completed
Civic Center Way Improvements	\$5,676,872*	\$4,400,000	Completed
PCH Signal System Improvements Topanga Canyon to John Tyler	\$14,600,000**	\$3,800,000	In Design
PCH Intersection Improvements at Trancas Canyon Road	\$1,000,000	\$1,000,000	In Design
PCH Median Improvements Webb Way to Puerco Canyon	\$6,950,000	\$6,950,000	In Design
Total	\$34,000,000		
Allocated Measure R Funds		\$22,000,000	
Balance of Measure R Funds		\$4,300,000	

* County of Los Angeles contributed \$1,200,000 of Measure R funds towards this project

** County of Los Angeles contributed \$10,800,000 of Measure R funds towards this project

The City has \$4.3 million remaining in Los Angeles County Measure R funds that can be programmed for future transportation related projects.

Measure M

Los Angeles County Measure M was approved by voters in 2016. This measure added an additional half-cent sales tax beginning in 2017 which then increases to one percent on July 1, 2039, immediately upon the expiration of the half-cent sales tax enacted by Measure R. Unlike Measure R, Measure M does not have a sunset date.

Similar to Measure R, Measure M funding is administered by Metro and distributed throughout the County to the various subregions. The City's subregion, the Las Virgenes-Malibu Subregional Planning Area, receives the City's shares of Measure M funds. It is estimated that the City will receive approximately \$45 million for the next 27 years. Currently, the City has the ability to program \$14,451,470. The City has already allocated \$9,283,219 and has \$5,168,251 remaining. It is anticipated that the City will continue to receive additional funding after the initial 27 year period.

All of the City’s Measure M capital improvement projects must meet specific funding guidelines. Specifically, projects must meet the Metro’s requirements for either Highway Efficiency or Active Transportation. Highway Efficiency projects are designed to improve congestion and Active Transportation projects focus on improvements for bicycles, pedestrians, and include improvements to comply with Complete Streets requirements. Projects meeting these requirements are submitted to LVMCOG for review. Recommended projects are then forwarded to Metro for final review and approval. If the project is approved by Metro, a funding agreement is developed between Metro and the City for that specific project.

The City currently has four Measure M projects. The following is a list of approved projects funded with Los Angeles County Measure M:

Project	Total Budget	City Measure M Allocation	Status
Park and Ride Lots (Land Acquisition)	\$7,356,225	\$3,100,000	Completed
Westward Beach Parking and Walkway Improvements	\$3,500,000	\$3,500,000	In Design
PCH Cross Walk Improvements at Big Rock Dr. and 20326 PCH	\$683,000	\$683,000	Not started
PCH Median Improvements – Paradise Cove and Zuma Beach	\$2,000,000	\$2,000,000	Not started
Total	\$9,283,000		
Allocated Measure M Funds		\$9,283,000	
Balance of Measure M Funds for first 27 Years		\$35,717,000	

The following are descriptions of the two Measure M projects that have yet to begin:

PCH Cross Walk Improvements at Big Rock Dr. and 20326 PCH – This project was identified in the 2015 PCH Safety Study and includes the installation of overhead warning signs and raised medians on PCH. New flashing warning beacons will be installed approximately 200 feet east and west of 20326 PCH (Moonshadow’s Restaurant). New raised medians, along with a pedestrian refuge area are planned for this area. A new overhead flashing “signal ahead” beacon will be installed 400 feet east of the PCH and Big Rock Drive intersection. New raised medians will be constructed on PCH near the Big Rock Drive intersection. See attached for project map (Attachment No. 1).

PCH Median Improvements – Paradise Cove and Zuma Beach – This project was identified in the 2015 PCH Safety Study and includes installing new raised medians and improvements. New raised medians are proposed east and west of the PCH and Paradise Cove Road. The proposed improvements also include the relocation of the existing bus stop and new signage. The project will also include the installation of new raised medians on PCH in the areas where the double yellow lines exist in the vicinity of Zuma Beach, specifically where the yellow paddles are installed. See attached for project map (Attachment No. 2).

Over the next 27 years, the City has \$35.7 million remaining of Measure M funds that can be programmed for eligible transportation related projects. Currently, the City has \$5,168,251 available. Metro typically reviews Measure M capital project funding on an annual basis. For the upcoming cycle, it is anticipated that the City will have approximately \$7.2 million available to be programmed. The City has opportunity to develop projects for review and approval in the next annual cycle.

Measure R and M Local Return Funds

Measure R and M includes provisions that provide Local Return revenue. This revenue that can be used for maintenance of streets and roads, traffic control measures, bikeway and pedestrian improvements, and transportation services. The City currently receives approximately \$320,000 per year which is budgeted for street maintenance activities.

Potential Projects for Remaining Measure R and M Funds

As mentioned above, the City has remaining funds in both Measure R and M. Staff is seeking direction from Council on how to identify projects to utilize the remaining Measure R and M funds that are currently available.

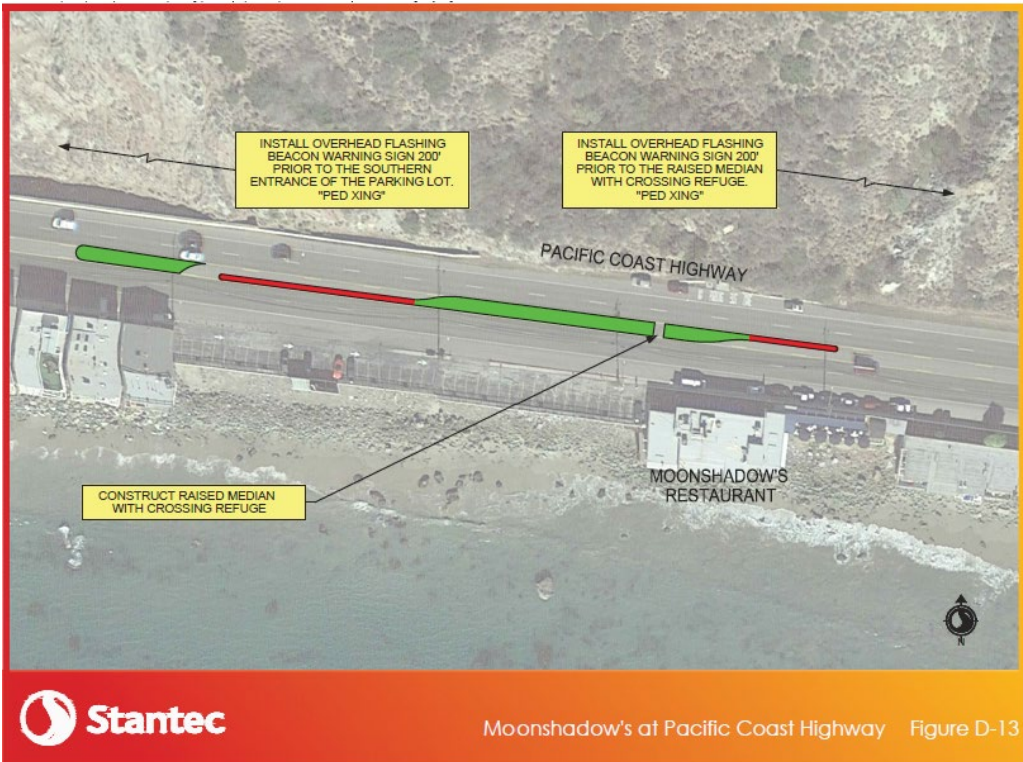
In July 2015, the City finalized the PCH Safety Study. The study examined current road conditions, accident patterns, and traffic conflicts to develop strategies to improve safety on PCH. The study concluded with a prioritized list of projects to improve safety along the PCH corridor for motorists, cyclists, transit riders, and pedestrians. Those recommendations have been used to identify projects utilizing Measure R and M funds. The PCH Safety Study's Prioritized Project List is provided as Attachment No. 3. The complete PCH Safety Study is available on the City's website at: <https://www.malibucity.org/443/PCH-Safety-Study>.

It has been six years since the PCH Safety Study was completed, in that time a new Council has been elected, some of the priorities of the City may have shifted and some of conditions on the highway may have changed. Staff can evaluate the prioritized project list, reexamine the funding criteria and develop a list of potential Measure R and M projects for City Council for consideration at a subsequent meeting.

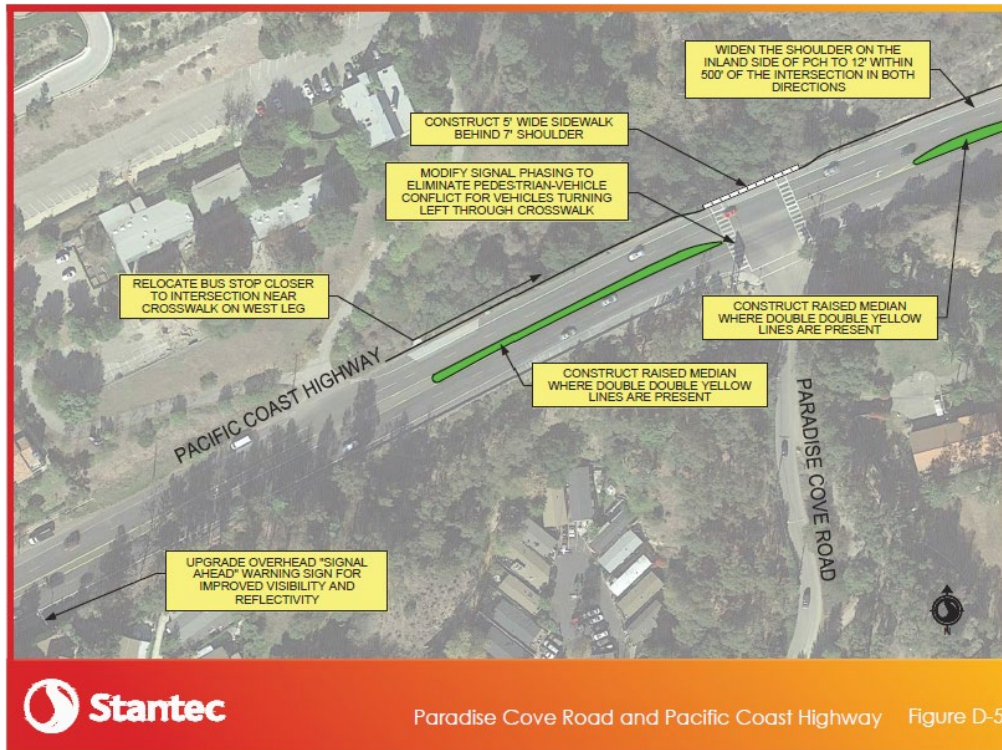
ATTACHMENTS:

1. PCH Cross Walk Improvements at Big Rock Dr. and 20326 PCH Project Map
2. PCH Median Improvements – Paradise Cove and Zuma Beach Project Map
3. List of PCH Safety Study Prioritized Project List

PCH Cross Walk Improvements at Big Rock Dr. and 20326 PCH



PCH Median Improvements – Paradise Cove and Zuma Beach



APPENDIX H

FINAL RECOMMENDED PROJECT PRIORITIZATION LIST

Appendix H - Recommended Project Prioritization List

Priority ID	Location	Milepost	Project Description
1	John Tyler Dr. to Topanga Canyon Rd.	48.491 - 40.769	Install communication between signals and connect signals back to Caltrans TMC. Develop and implement timing plans. Outdated signal coordination plans need to be optimized with appropriate cycle lengths and time-based schedule for proper traveling speeds and to generate reasonable gaps for cross streets and driveways. Review and update timing settings including Max2 and Max3. Consider deployment of state-of-the-art adaptive timing system to develop optimized timing plans based upon real time traffic conditions. Insure that the adaptive system is compatible with a high volume arterial.
2	Trancas Canyon Rd. to Paradise Cove Rd.	55.650 - 52.162	Provide interconnected signal system. Develop timing plans for weekday and weekend periods. Implement timing plans based on time of day or in response to frequently occurring traffic patterns.
3	Corridorwide	n/a	Upgrade stripe width to 6-inch standard bike lane stripe. Provide bike lane markings where parking is prohibited. An 8-inch stripe, as used for turn lane striping, may also be considered. Do not designate as bike lane unless parking prohibited or width allows room for bikes and parking
4	Paradise Cove Rd.	52.162	Construct raised median within 500 feet of intersection in both directions wherever a double-double yellow line exists and extend left-turn lane by 100 feet
5	Corridorwide	n/a	In general, modify striping of right turn lanes on PCH and replace with a wider edge line and skip striping approaching intersections
6	Webb Way	47.441	Modify signal phasing so vehicles turning through crosswalk do not conflict with pedestrians
7	Moonshadow's Restaurant	43.096	Install overhead warning signs per Caltrans Standard ES7J 200 feet on each side prior to parking area and building with pedestrian crossing signs, consider experimental action-style pedestrian signs via Federal request to experiment
8	Corridorwide	n/a	Increase law enforcement efforts for vehicles traveling over speed limit
9	Corridorwide	n/a	Detailed evaluation of beach parking areas to determine if additional off-street parking can be achieved
10	Zuma Beach area	55.612	Construct raised medians in areas where double-yellow lines exist in the vicinity of Zuma Beach, especially where yellow posts are currently installed
11	Kanan Dume Rd. to Latigo Canyon Rd.	54.020 - 51.061	Install permanent raised median in the double-yellow areas, and where enough width exists, consider landscaped medians
12	Cross Creek Rd.	47.091	Restripe intersection to provide northbound right turn lane and move shoulder line over north of the intersection
13	Serra Rd. to Carbon Canyon Rd.	46.811 - 44.961	Narrow travel lanes and center turn lane slightly through central Malibu to provide wider shoulder.

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Priority ID	Location	Milepost	Project Description
14	Crosswalk between McDonald's and Busch Realty	45.841	Change the uncontrolled crosswalk with warning lights to a HAWK pedestrian signal with median refuge and potential curb extensions.
15	Big Rock Dr.	42.491	Install additional overhead warning sign per Caltrans Standard Plan ES7J northbound at approximately 400' prior to intersection, sign should read "Signal Ahead"
16	Corridorwide	n/a	Increase distance to advance detection to meet spacing requirements for prevailing speeds to reduce acceleration needed to stop
17	Corridorwide	n/a	Install post delineators on outside of curves north of John Tyler Drive where feasible, per Caltrans standard spacing guidelines, especially where adjacent land is undeveloped or installation of delineators is well suited.
18	El Pescador Beach Rd.	58.856	Consider restriping to widen shoulders by narrowing lanes to permit parking and provide buffer area.
19	El Matador Beach Rd.	58.848	Consider restriping to widen shoulders surrounding El Matador Beach area by narrowing lanes to permit parking and provide buffer area
20	Broad Beach Rd. North to Trancas Canyon Rd.	58.461 - 56.851	Consider extruded concrete median where median is less than 10 feet wide
21	Trancas Canyon Rd.	56.851	Modify signal phasing to allow left turns onto Trancas from PCH when crosswalk is active
22	Trancas Canyon Rd.	56.851	Construct northbound right-turn lane and bike channel onto Trancas Canyon Rd., consider installation of right turn arrow for heavy movement
23	Heathercliff Rd.	54.341	Increase the storage length of NBL turns from PCH onto Heathercliff Road by 100' from 230' to 330'
24	Paradise Cove Rd.	52.162	Widen shoulder on inland side to 12 feet within 500 feet of intersection in both directions, construct 5 foot wide sidewalk behind seven foot shoulder at intersection
25	Escondido Beach Road / Malibu Cove Colony Drive	51.801	Increase the storage length of NBL turns from PCH onto Malibu Cove Colony Drive by 100' from 110' to 210'
26	Webb Way	47.441	Increase the storage length of NBL turns from PCH into Webb Way by eight cars
27	Webb Way	47.441	Increase the storage length of SBL turns from PCH into Webb Way by six cars
28	Webb Way	47.441	Restripe to change acceleration lane to a standard shoulder to discourage merging
29	Malibu Pier	46.535	Establish signal control for southbound left turn
30	La Costa Beach Club (21440 PCH)	44.461	Study feasibility of narrowing the striping in the vicinity of La Costa beach club to widen the shoulders. Consider a raised median area with refuge for the crosswalk and curb extensions in conjunction with potential signalization of the La Costa crosswalk that is planned by the City of Malibu.

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Priority ID	Location	Milepost	Project Description
31	Las Flores Canyon Rd.	44.151	Provide protected left turn arrows from PCH
32	Moonshadow's Restaurant	43.096	Construct a median in front of Moonshadow's. Provide left-turn lane at north end of parking area for entry to restaurant. Construct raised median refuge cut out in front of front door so that pedestrians can wait in median.
33	Pena Rd. Beach Turnout	41.805	Construct raised median for PCH with turn pocket into the north end of the turnout area. Median will prevent left turns into or from south end of the turnout area, so that traffic must turn right and make U-turns around the median area. Study area closely in upcoming parking study to maximize parking yield.
34	Corridorwide	n/a	Create bicycle hotline to report roadway deficiencies
35	Webb Way to Las Flores Canyon Rd.	47-441 - 44.151	Evaluate vehicle speeds to determine if lower speed limit is warranted
36	La Piedra Beach Rd.	58.901	Consider restriping to widen shoulders by narrowing lanes to permit parking and provide buffer area.
37	Morning View Dr.	55.650	Extend right turn lane from PCH onto Morning View Dr., consider installing a right turn arrow for this heavy movement
38	Bonsall Dr.	54.911	If shifting alignment is not possible, convert intersection approach to a right-in, right-out only and trim back vegetation to improve motorists sight distance towards the south. <u>Restripe PCH to restore inland shoulder</u>
39	Heathercliff Rd.	54.341	Relocate crosswalk to other side of intersection and rephase signal for pedestrian movements
40	Heathercliff Rd.	54.341	Widen right turn lane to allow dashed bike stripe
41	Kanan Dume Rd.	54.020	Modify signal phasing at intersection to allow more time for the left-turn onto Kanan Dume Rd.
42	Zumirez Dr.	53.671	Restripe Zumirez signal to restore shoulder to inland side by narrowing travel lanes, removing the wide median nose stripe, maintain right turn lane
43	Paradise Cove Rd.	52.162	Modify signal phasing to eliminate pedestrian-vehicle conflict for northbound vehicles turning left onto PCH
44	470' west of Escondido Beach Road / Malibu Cove Colony Drive	51.890	Construct a permanent raised median in the double-yellow area before and after Geoffreys's for approximately 1800 feet.
45	Escondido Beach Road / Malibu Cove Colony Drive	51.801	Install pedestrian crossing sign and flashers
46	John Tyler Dr.	48.491	Modify signal to provide protected left-turn phase to turn onto John Tyler from PCH
47	John Tyler Dr.	48.491	Restripe the acceleration lane on the inland side as a full shoulder
48	Malibu Canyon Rd.	48.171	Reconstruct crosswalk ramps to ADA standards at northbound inland corner

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Priority ID	Location	Milepost	Project Description
49	Malibu Canyon Rd.	48.171	Shorten right-turn lane approaching intersection based upon queueing needs
50	Malibu Canyon Rd.	48.171	Widen right turn lane to provide channel for through bikes
51	1700' west of Webb Way	47.763	Convert free right turn and merge lane from Civic Center Way approximately 1700' west of Webb Way into a yield to turn condition. Restripe shoulder to discourage motorists from merging into northbound traffic
52	Webb Way	47.441	Reconstruct crosswalk ramps to ADA standards
53	Webb Way	47.441	Install countdown pedestrian signals
54	Cross Creek Rd.	47.091	Increase the storage length of SBL turns from PCH into Cross Creek Road by 150' from 300' to 450'
55	Serra Rd. to Malibu Pier	46.811	Construct continuous raised median and reduce median width to provide wider shoulders
56	Malibu Pier	46.535	Install pedestrian signal countdown heads
57	Carbon Canyon Rd.	44.961	Restripe right-turn lane on inland side with a shoulder stripe dashed approaching intersection.
58	Rambla Pacifico Rd.	44.171	Provide protected northbound left-turn phase from PCH into gas station
59	Las Flores Canyon Rd. to Rambla Pacifico Rd.	44.151 - 44.171	Study to realign across intersections to eliminate broken back striping due to change in median and shoulder widths
60	Las Flores Canyon Rd. to Rambla Pacifico Rd.	44.151 - 44.171	Widen bridge over Las Flores Creek to provide sidewalk on ocean side from Rambla Pacifico intersection to Dukes entrance. Maintain sufficient shoulder for bicycling, but utilize surplus area to move signal poles behind curb.
61	Las Flores Canyon Rd.	44.151	Provide ADA compliant improvements where feasible, including wheelchair ramps and raised curb returns
62	Las Flores Canyon Rd.	44.151	Reconstruct signal to eliminate condition where signal poles are not exposed to traffic on roadway shoulder.
63	Las Flores Canyon Rd.	44.151	Relocate signal detection so that vehicles are less likely to run red lights
64	Las Flores Canyon Rd.	44.151	Relocate crosswalk to eliminate pedestrian-vehicle conflict for Las Flores vehicles turning left onto PCH
65	Big Rock Dr.	42.491	Install a vehicle head on the 1-A pole in the northeast corner of the intersection for NBT movements
66	Big Rock Dr.	42.491	Monitor new protected/permissive left turn from PCH for effectiveness
67	Big Rock Dr.	42.491	Construct raised median east of the intersection for 150 feet
68	Corridorwide	n/a	Replace blue side-street name signs that intersect PCH with larger letter, more visible signs. Also consider advance street name signs at prominent intersections.
69	Encinal Canyon Rd.	59.401	Restripe northbound right-turn lane as a full shoulder with a dashed bike stripe

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Priority ID	Location	Milepost	Project Description
70	Trancas Canyon Rd.	56.851	Construct ADA compliant sidewalk and ramps on the inland side for the length of the shopping center and reconstruct inland side driveway to provide appropriate deceleration area
71	Trancas Canyon Rd.	56.851	Reconstruct driveway to provide appropriate deceleration area
72	Guernsey Avenue	56.511	Provide street light at intersection
73	610' east of Westward Beach Rd./Bonsall Dr.	54.791	Shift roadway alignment and construct shoulder on inland side from 610' east of Westward Beach to Zuma Beach access overpass by eliminating the center turning lanes
74	300' east of Kanan Dume Rd.	54.000	Move existing bus stop to Kanan Dume Rd. intersection and provide sidewalk and ADA ramps to accommodate pedestrians
75	820' east of Zumirez Dr. (Pointe Malibu)	53.511	Restripe deceleration and acceleration lanes to full shoulders
76	Latigo Canyon Drive	51.061	Provide street light at intersection
77	Latigo Canyon Drive	51.061	Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Latigo Canyon Dr.
78	Malibu Seafood	49.961	Construct a new pedestrian underpass crossing in the close vicinity of Malibu Seafood
79	Puerco Canyon Road	49.311	Restripe right-turn lane on inland side with a shoulder
80	John Tyler Dr.	48.491	Eliminate conflict with turning vehicles through crosswalk
81	John Tyler Dr.	48.491	Construct ADA sidewalk to connect west side crosswalk to bus pad on both sides of PCH
82	John Tyler Dr.	48.491	Widen right turn lane to allow dashed bike stripe
83	Webb Way to 23634 PCH	47.441	Stripe a shoulder merge taper line for lane drop, allow parking in this area
84	Webb Way	47.441	Relocate bus stop nearer to traffic signal
85	Webb Way at Civic Center Way	47.441	Consider roundabout at this intersection. A single-lane roundabout would suffice
86	Cross Creek Rd.	47.091	Reconstruct crosswalk ramps to ADA standards
87	Malibu Pier	46.535	Reconstruct crosswalk ramps to ADA standards, consider relocating bus stop on ocean side to Pier signal
88	22730 PCH (McDonald's ped crossing)	46.091	Increase width of ADA ramps on both sides as they are quite narrow, this may mean moving the crosswalk to the east by 1' or 2'
89	2000' west of Carbon Canyon Road	44.582	Consider an installation of a crosswalk and appropriate warning or crossing treatment at this location
90	Rambla Vista West	44.841	Replace short right-turn lane on inland side with a dashed striped shoulder

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Priority ID	Location	Milepost	Project Description
91	Rambla Vista East to Rambla Pacifico Road	44.261 - 44.171	Study feasibility of narrowing shoulder in front of Rambla Pacifico shopping center to increase area for parking along frontage road. This project should be included in the imminent parking study.
92	Las Flores Canyon Rd. to Rambla Pacifico Rd.	44.151 - 44.171	Study feasibility to construct bridge connecting Rambla Pacifico to Las Flores Canyon Rd. north of PCH to eliminate the need for the Rambla Pacifico traffic signal
93	Las Flores Canyon Rd.	44.151	Consider widening the shoulder if any surplus width is available in travel lanes or median.
94	830' west of Big Rock Dr.	42.651	Construct a raised median in area where double-double yellow line exists at the end of the left-turn lane, provide landscaping pockets to obtain limited traffic calming effect from plantings
95	Big Rock Dr.	42.491	Increase the length of the southbound left-turn lane on PCH to 200 feet with a 90 feet transition by striping change
96	Big Rock Dr.	42.491	Construct a curb return with ADA ramp so that the traffic poles can be located behind it, narrow the opening and tighten up the radius so the curb return is on top of the existing pavement
97	Big Rock Drive to Pena Road	42.491 - 41.805	Restripe to narrow median where k rail occupies shoulder in this area
98	Decker Canyon Rd.	59.901	Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Decker Canyon Rd.
99	El Pescador Beach Rd.	58.856	Provide street light at beach access
100	Encinal Canyon Rd.	59.401	Install street light at intersection
101	El Matador Beach Rd.	58.848	Provide street light at beach access
102	Lunita Rd.	57.391	Install street light at intersection
103	Lunita Rd.	57.391	Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Lunita Rd.
104	Busch Dr.	55.041	Construct fourth leg of intersection to provide direct access to Zuma Beach and connection across creek to Westward Beach Rd. Permits elimination of existing northbound left-turn lane from PCH to Westward Beach and allows restoration of
105	Escondido Beach Road / Malibu Cove Colony Drive	51.801	Install street light at intersection on inland side
106	Latigo Shores Drive / Seagull Way	50.801	Provide street light at intersection
107	Latigo Shores Drive / Seagull Way	50.801	Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Latigo Shores Dr.
108	Corral Canyon Rd. to Puerco Canyon Rd.	50.391 - 49.311	Widen shoulder on inland side where parking occupies the entire shoulder. Reconstruct the median to provide full height curb. Opportunity to narrow median and increase shoulder width is possible.

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Priority ID	Location	Milepost	Project Description
109	John Tyler Dr.	48.491	Remove obstruction (median curb) in crosswalk for both the east and west legs
110	John Tyler Dr.	48.491	Restripe to eliminate right turn from center lane. Double right turn through crosswalk is not justified by right turn volume
111	Malibu Canyon Rd.	48.171	Install bus stop on PCH
112	Malibu Canyon Rd.	48.171	Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Winter Mesa Dr.
113	Webb Way	47.441	Remove median curb obstruction to straighten crosswalk
114	Malibu Rd. to Cross Creek Rd.	47.241 - 47.091	Build sidewalk behind trees on ocean side from Cross Creek Rd. to Malibu Rd.
115	22333 PCH (Busch Realty ped crossing)	45.571	Move obstructing signal controller to improved location (it's in the middle of the sidewalk, with a less than 5' ADA approved clearance on either side)
116	Las Flores Canyon Rd. to Rambla Pacifico Rd.	44.151 - 44.171	Consider narrowing openings for Las Flores and Rambla Pacifico approaches.
117	Topanga Canyon Rd.	40.769	Upgrade signal system and conduct study to develop weekend timing plan that optimizes southbound flow along PCH based upon summer and weekend traffic counts
118	El Matador Beach	58.848	Consider possibility to enlarge parking lot
119	Trancas Canyon Rd.	56.851	Provide a sidewalk from shopping center and construct new pedestrian underpass crossing to beach
120	Paradise Cove Rd.	52.162	Widen shoulder to provide striping for dashed bike lane and right turn lane from PCH onto Paradise Cove Rd.
121	Corral Canyon Rd. to Beach Access	49.961	Construct complete pedestrian walkway on ocean side from Corral Canyon Rd. signal to beach property
122	Malibu Canyon Rd.	48.171	Restore shoulder stripe west of the intersection
123	Malibu Canyon Rd.	48.171	Provide ADA access from intersection to City Park
124	Malibu Rd.	47.241	Realign Malibu Rd intersection to eliminate acute angle and merging. Provide right angle intersection.
125	Carbon Canyon Rd. to Rambla Pacifico	44.961 - 44.171	Study feasibility to build a complete sidewalk from Carbon Canyon Rd. to Rambla Pacifico on the inland side
126	Rambla Pacifico Rd.	44.171	Realign Rambla Pacifico to narrow and improve channelization at PCH and increase separation from antique bridge rail. Increase left-turn lane storage for short turn pockets
127	Topanga Canyon Rd.	40.769	Lengthen southbound left turn storage bay to reduce potential overflow into through lane. (should be increased from 300' to 350', as the 95th queue distance is 350' for the weekend). Also lengthen time available to service lane during weekend.

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Priority ID	Location	Milepost	Project Description
128	Decker Canyon Rd.	59.901	Evaluate intersection modification to a one- or two-lane roundabout. A one-lane roundabout could possibly provide space for additional parking.
129	330' west of Paradise Cove Rd.	52.222	Relocate bus stop to intersection of Paradise Cove Rd.
130	Encinal Canyon Rd.	59.401	Consider realignment of Encinal Canyon Road to intersect with La Piedra Beach Rd. Also consider roundabout control for new aligned intersection