



CITY OF MALIBU
Public Works Department

PAVEMENT MANAGEMENT PLAN
FINAL

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OVERVIEW

This update of the City of Malibu Pavement Management Plan (PMP) for public streets includes improvement recommendations for arterials and paved local public streets. A PMP is a management approach to prioritizing roadway pavement maintenance and rehabilitation (M&R) activities and optimizing the allocation of M&R budgets. The City of Malibu has approximately 44 centerline miles of arterial and public streets.

The original PMP for the City was completed in 2008 and was updated in 2012 and 2016. The 2016 report included research for construction history, composition, network, branch, section, sample unit definition, and development of the original MicroPAVER database. MicroPAVER is a software application used to calculate the Pavement Condition Index, or PCI. As part of this 2021 update, construction and rehabilitation history of the pavements have been updated to include new construction dates in the MicroPAVER database. Surveys of visual pavement condition of many arterials and local streets was performed between March and August 2021.

The following tasks were included as part of this PMP update:

- 1) Update and upload the 2016 database files provided into an operational MicroPaver version 7.0.8 database. Update construction history and pavement inventory for the past five years (2016 - 2021).
- 2) Conduct visual field inspection (condition survey) of the current conditions on select street segments as identified by City staff.
- 3) Incorporate the pavement condition data collected.
- 4) Predict the future pavement condition of each pavement section.
- 5) Update rehabilitation options and costs.
- 6) Update anticipated M&R policies and costs.
- 7) Determine funding needed to eliminate all major M&R backlog over a 15-year period.
- 8) Prioritize rehabilitation projects.

EXECUTIVE SUMMARY

Overall, 279 pavement sections comprising approximately 6.69 million square feet was identified within the Malibu pavement network. The overall average PCI for the City of Malibu street network is 75.7, which is considered as “Satisfactory” per American Society for Testing and Materials (ASTM) D6433 Standard Practice for Roads and Parking Lots Pavement Condition Index Surveys. Although the area-weighted PCI of the network is high, there are 144 pavement sections, comprising approximately 3.25 million square feet, that are currently below the critical PCI value of 70. In all, these 144 pavement sections make up approximately 22 of the 44 centerline miles within the City of Malibu. The pavement sections in need of rehabilitation have failed for various reasons including both climate- and load-related distresses. A list of street segments with their current PCI values is provided in **Appendix A**.

The updated condition data was entered into MicroPAVER and the program was used to determine both the current and future PCI values. The condition and distresses exhibited within a pavement section are the key components in determining when a pavement section will be recommended for rehabilitation. Ultimately, the City decided on a critical PCI value of 65, the condition at which major rehabilitation is recommended, for all pavement sections between the PCI value of 65 and 75, minor rehabilitation is recommended. Additionally, the rehabilitation options based on traffic types, traffic levels, and pavement condition and their associated unit costs were analyzed and updated based on the previous PMP update completed in 2016.

The recommended work plan developed for the City of Malibu is based on a minimum condition budget scenario that provides a budget of \$900,000 over the first year and equal budgetary needs of \$620,000 over the next 4-year analysis period. If the recommended plan is continued, it is expected that the overall area-weighted average PCI of 79 for the City can be achieved by the end of 2027 and there will be no pavement sections with a PCI value below 75 by the end of 2034.

Based upon the results of this PMP update, it is recommended that at the beginning of Fiscal Year 2022-2023 the City consider a budget of at least \$600,000 annually for street maintenance and rehabilitation projects. This is the minimum funding level at which the overall weighted average PCI value remains stable at or near the current condition. Lower funding levels will result in an increase of unfunded backlog over time and a corresponding downward trend in the overall PCI.

METHODOLOGY AND APPROACH

This section elaborates the methodology and approach used to conduct the 2021 PMP Update.

DATA COLLECTION

ROADWAY INFORMATION

Construction history records were reviewed for rehabilitation projects occurring in the last five years (2016-2021) with lists of recently rehabilitated streets provided by the City. This information was used with condition survey results for the pavement evaluation purposes. The following data were directly uploaded into MicroPaver from the 2016 analysis database:

- Street segment names, limits, lengths, and widths
- Segment PCI values (pavement condition data) and PCI inspection date

Work history information was input directly into MicroPaver, resulting in a new construction-based PCI value of 100 for the recently rehabilitated streets.

FIELD SURVEY

A visual condition survey was conducted for 23 arterial and local streets within the City. Condition surveys were completed using the Pavement Condition Index (PCI) procedures developed by the U.S. Army Corps of Engineers (USACE) and ASTM D6433-11. The PCIs of street segments that were not field surveyed in 2021 were calculated using an iterative interpolation process based on the number of years since construction was last completed. These calculations were validated against street segments that were surveyed in 2021.

Condition survey results and calculated PCI values were entered into the MicroPAVER database and results were compared with previous inspections. The City's M&R policies were updated with input from City staff. The estimated amount of distress repair quantities and costs also were computed based on extrapolated distress data from condition surveys.

PCI ANALYSIS

Distress data collected during the visual inspections of each sample unit surveyed in a section was entered into the MicroPAVER computer program and stored in a database. A PCI for each sample unit was calculated. The PCI is a number ranging from 0 to 100 which indicates the apparent structural integrity and surface operational condition of the pavement, with "100" indicating a pavement in new condition and "0" indicating pavement failure.

To calculate a PCI for a given sample unit, each distress type is observed, and its frequency and severity level is quantified. These distresses are then extrapolated over the entire sample unit in order to determine a quantity and severity of the distresses in the entire section. Considering the total quantity of the distresses in the section, 'deduct values' can then be applied. Different deduct values are applied for different pavement distresses and severity levels. All deducts are then summed and subsequently adjusted (or corrected) for the number of different distresses recorded. This corrected deduct value is subtracted from 100 to arrive at the PCI for that particular sample unit. The PCI for a pavement section is the mean PCI value of all sample units evaluated within

that section. The standard rating scale for PCI values per ATSM D6433-11 is shown in **Figure 1**.



Figure 1: PCI Rating Scale per ATSM D6433-11

Roadway segments that were not field surveyed in 2021 were assumed to degrade at a linear rate but depending generally on expected traffic loads, type of street, and how much time has passed since major or minor road work has been completed. Annual PCI reduction rates were calculated based on field work conducted in 2021. The decrease per year in PCI used in the analysis are tabulated in **Table 1**.

Table 1: PCI Decrease per Year

# Years Since Construction	Decrease in PCI/Year
1-3	3.5
4-6	2.5
7-9	2
> 9	2

STRATEGIES AND UNIT COST UPDATE

There are several strategies to maintain the pavement conditions including minor ongoing repairs, minor maintenance (consisting of Slurry Seal), and major maintenance (consisting of overlays and pavement reconstruction) Reconstruction.

1. Minor Ongoing Repairs/Localized Maintenance consist of small, localized surface treatments to delay the need for pavement structural strengthening. These types of repairs typically include crack sealing, AC deep patching, AC skin patching, grinding and leveling.

These types of repairs are considered to be part of normal Operations and Maintenance (O&M) budget on an annual basis.

2. Minor maintenance work includes application of a Type II Slurry Seal and is typically used on streets with a PCI range of 60-85 for local streets. Slurry Seal is a surface coating material used to extend the life of the pavement surface by applying a thin coat of conventional or latex-modified emulsified asphalt, well-graded fine aggregate, mineral filler and water that is placed over an existing AC surface. The Slurry Seal material not only seals the pavement surface to prevent moisture infiltration, but it also replaces the pavement surface that normally gets worn away by constant traffic use.
3. Major maintenance work includes patch repairs, grinding as needed to maintain drainage patterns, removal and replacement of failed pavement sections (potholes), and the application of a 2.0 inch thick Asphalt-Rubber Hot Mix (ARHM) overlay or Asphalt-Concrete (AC) overlay. This treatment provides a new wearing surface and increased structural strength to the pavement section, and is typically used for streets within a PCI range of 20 to 65. Other major maintenance options consist of complete pavement reconstruction consisting of removal of the existing pavement section to a prescribed depth followed by the placement of a conventional flexible pavement section using an AC Hot Mix or AR Hot Mix or a full depth asphalt. This approach is typically recommended for streets with a PCI range of 0 to 20.

Rehabilitation strategies and corresponding unit costs were reviewed and updated to current values. The rehabilitation and maintenance work strategies for this project consists of major maintenance work and minor maintenance work. **Table 2** shows the unit costs by rehabilitation strategy that were input directly into MicroPaver to form the basis of the M&R Plans.

Table 2: Rehabilitation Strategy and Unit Cost

Rehabilitation Strategy	Treatment	Unit Cost (\$/SF)
Major Work	2.0 inch ARHM	2.64
Minor Work	Slurry Seal w/ Prep.	0.44

FUTURE PROJECTIONS

A 5-year planning period, 2022-2027, was selected by the City and was used to generally determine the maintenance and rehabilitation needs for the roadway pavements. Hence, the primary focus of this effort was to specifically determine the next five-year maintenance and rehabilitation needs for the roadway pavements.

CURRENT PCI SUMMARY

Appendix A provides the list of street segments with their current (2021) PCI values calculated per the methodology and approach described in the previous section. The percentage of city street segments in various condition categories is shown in **Figure 2**. The overall average PCI is 75.7.

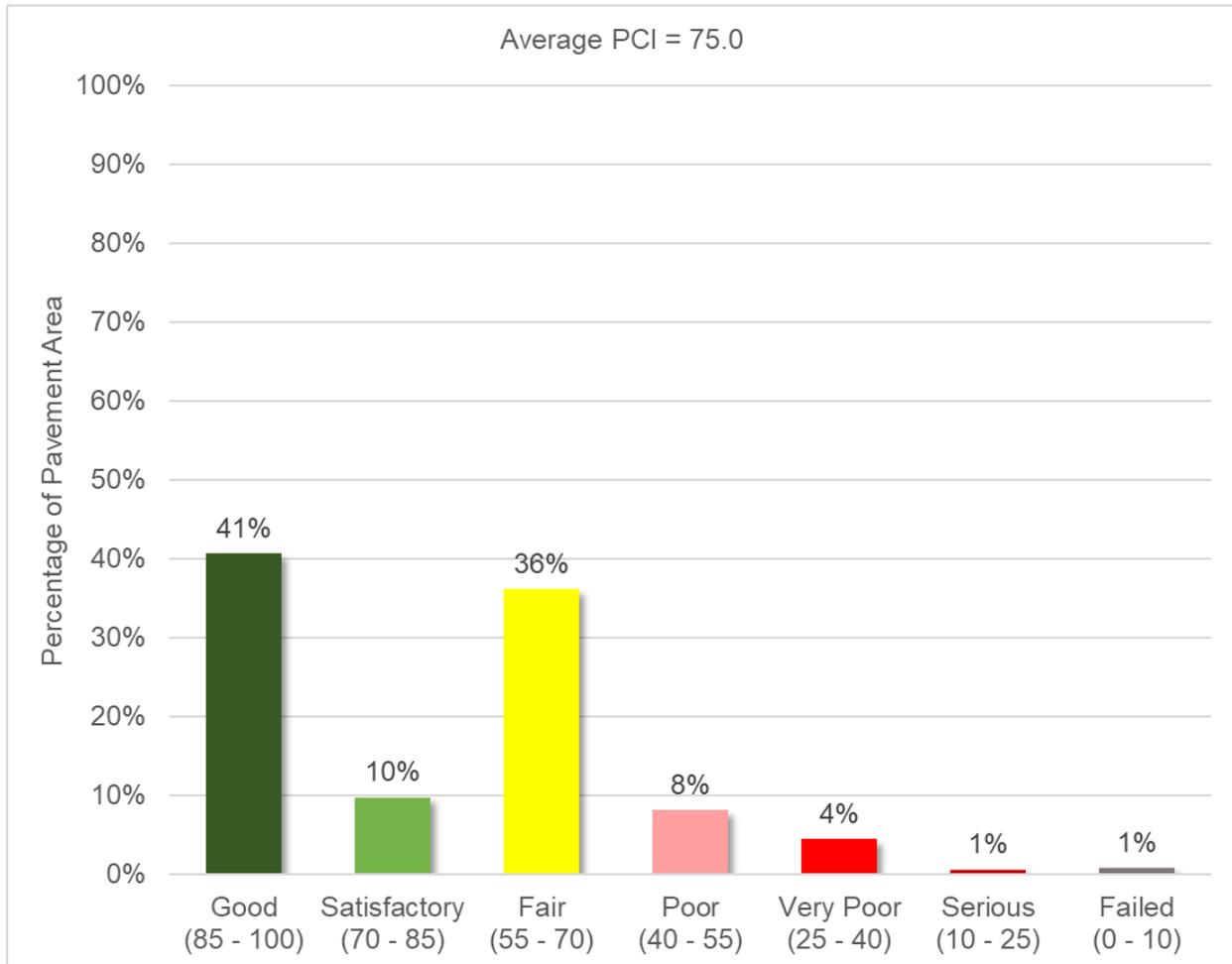


Figure 2: 2021 Street Conditions

FUTURE NEEDS AND BUDGET SCENARIOS

This section addresses typical pavement management questions asked by agencies, including: what is the expected annual budget to maintain our pavements above a minimum operating level, within a limited budget; which pavements will be maintained each year; and what level of maintenance and rehabilitation should be applied and at what time.

Pavement managers need to know the impact on the budget of increasing or decreasing the minimum operational standard condition (i.e., changing the critical PCI value), and the impact of analyzing different cost scenarios. An annual budget can be established for various analysis scenarios including maintaining the pavement above a minimum operational standard (condition). The overall cost associated with this type of analysis is estimated for each pavement section by projecting the year at which it will deteriorate to the specified minimum condition and multiplying the section area by the unit cost for major rehabilitation at that condition level.

It is assumed that the pavement condition index (PCI) will return to 100 after an overlay or reconstruction activity has been completed and will slightly increase after a preventative maintenance activity is applied.

The maintenance budget for subsequent years is based on the unit cost by condition relationship. Budget planning is accomplished by running various budget scenarios including application of maintenance (preventive, stop-gap, and global) and major rehabilitation; comparing results with available funding; and determining the most cost-effective work plan. Analysis previously completed in the 2016 PMP report concluded that a budget of approximately \$600,000 per year is needed to stabilize and improve the pavement condition at or near a PCI of 70.

Using an annual budget of \$600,000, the City's overall PCI has increased from 2008 to 2021. The annual change PCI experienced in the City of Malibu since 2008 is shown in **Figure 3**.

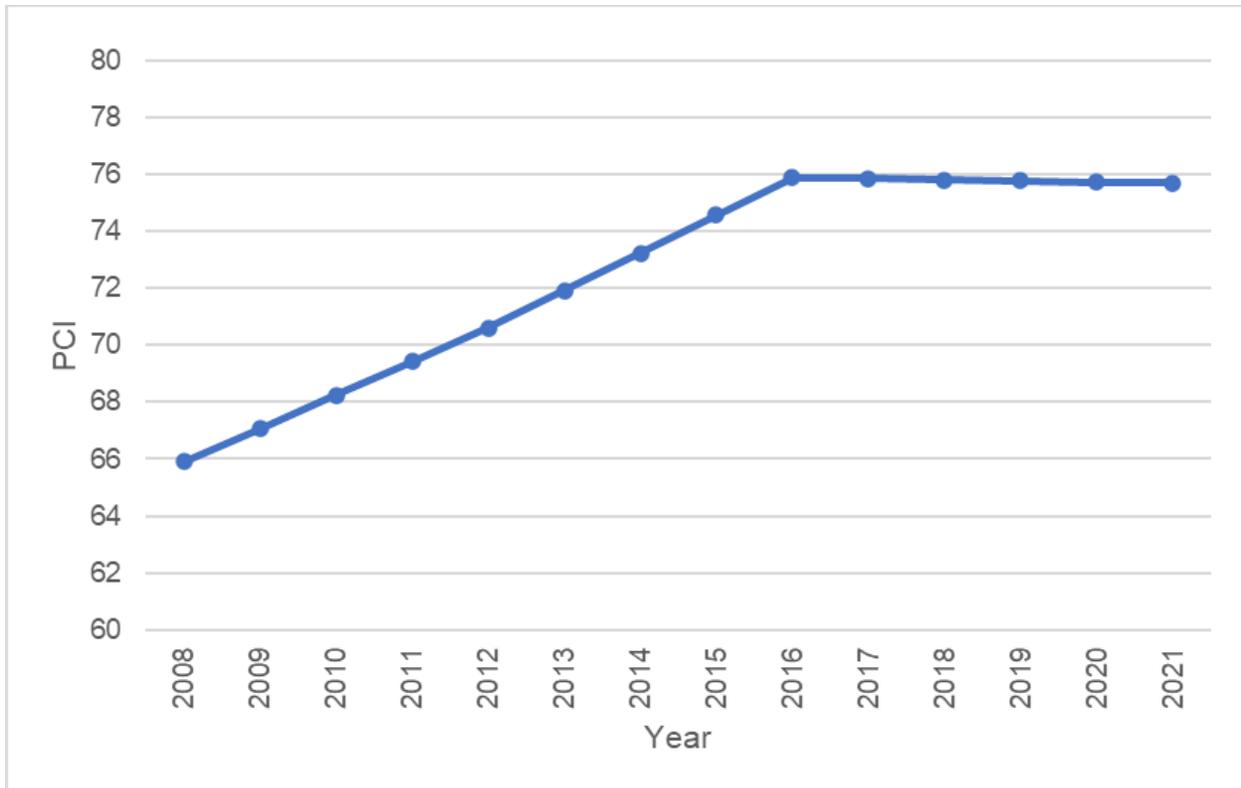


Figure 3: PCI by Year (with \$600,000 Annual Budget)

It is expected that the overall PCI value will increase if the annual budget remains at \$600,000.

Assuming a future annual budget of \$620,000, maintenance projects were identified over the next five fiscal years. Projects were prioritized based on field work, pavement distress data and input from City staff. During the analysis, road segments in close proximity to one another were grouped together to minimize mobilization costs and to efficiently utilize available funds. A map and list of segments included in the five-year pavement management plan are provided in **Appendix B**. Per the direction received from the City, the roadway segments were consolidated such that they are in the same general area each year.

A corresponding list of major and minor maintenance projects with a PCI value at or below 75 not included in the five fiscal year budget are provided in **Appendix C**. Since pavement distress data was not available for many segments, some projects were identified using PCI values only. Major and minor maintenance projects not included in the five-year budget should be evaluated at a later date once additional construction projects have been completed and more pavement distress data is available. A list of road segments with a current PCI value above 75 is presented in **Appendix D**.

The recommended work plan developed for the City of Malibu is based on a minimum condition budget scenario that provides a budget of \$900,000 over the first year and equal budgetary needs (of \$620,000) over the next 4-year analysis period. If the recommended plan is continued, it is expected that the overall area-weighted average PCI of 79 for the City can be achieved by the end of 2027 and there will be no pavement sections with a PCI value below 75 by the end of 2034.

RECOMMENDATIONS

Based on the distresses observed during the inspections in 2021 and using the default maintenance policies in MicroPAVER, it is recommended that at the beginning of Fiscal Year 2022-2023 the City consider a budget of at least \$600,000 annually for street maintenance and rehabilitation projects. Lower funding levels will create an increase in backlog and a decrease in overall PCI.

APPENDICES

APPENDIX A: OVERALL STREET LIST AND PCI

APPENDIX B: FIVE-YEAR STREET MAINTENANCE PLAN

APPENDIX C: SEGMENTS WITH A PCI VALUE BELOW 75 NOT INCLUDED IN FIVE-YEAR BUDGET

APPENDIX D: SEGMENTS WITH A PCI ABOVE 75

APPENDIX A

OVERALL STREET LIST AND PCI

Pavement Database: Malibu2022-05

NetworkId: MyPMS

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
1010	10	10/30/2015	AC	ROADWAY	C	2	4,392.00	10/30/2015	0	92
1010	100	11/15/2003	AC	ROADWAY	C	2	45,000.00	10/30/2015	12	92
1010	102	11/15/1999	AC	ROADWAY	E	2	19,380.00	10/30/2015	16	92
1010	20	10/30/2015	AC	ROADWAY	C	2	6,768.00	10/30/2015	0	92
1010	30	10/30/2015	AC	ROADWAY	C	2	42,510.00	10/30/2015	0	92
1010	40	10/30/2015	AC	ROADWAY	C	2	30,540.00	10/30/2015	0	92
1010	50	10/30/2015	AC	ROADWAY	C	2	28,740.00	10/30/2015	0	92
1010	60	10/30/2015	AC	ROADWAY	C	2	17,940.00	10/30/2015	0	92
1010	70	10/30/2015	AC	ROADWAY	C	2	14,280.00	10/30/2015	0	92
1010	80	5/16/2000	AC	ROADWAY	C	2	45,000.00	10/20/2015	15	92
1010	82	2/14/2001	AC	ROADWAY	E	2	45,000.00	10/30/2015	14	92
1010	90	11/15/2003	AC	ROADWAY	C	2	48,030.00	10/31/2015	12	92
101040	1040	5/16/2006	AC	ROADWAY	E	2	28,000.00	2/14/2008	2	68
101040	1042	2/14/2005	AC	ROADWAY	E	2	16,016.00	2/14/2008	3	64
101050	1050	5/16/2000	AC	ROADWAY	E	2	35,200.00	2/14/2008	8	50
101060	1060	5/16/1996	AC	ROADWAY	C	2	20,496.00	2/14/2008	12	38
101060	1070	2/17/2002	AC	ROADWAY	C	2	31,416.00	3/31/2021	19	42
101080	1080	11/15/2005	AC	ROADWAY	E	2	24,724.00	2/14/2008	3	67
101080	1090	11/15/2005	AC	ROADWAY	E	2	41,552.00	2/14/2008	3	67
101080	1100	8/15/2005	AC	ROADWAY	A	2	15,540.00	2/14/2008	3	66
101080	1110	5/16/2005	AC	ROADWAY	A	2	31,304.00	2/14/2008	3	65
10110	110	7/22/2021	AC	ROADWAY	C	2	5,080.00	7/22/2021	0	100
10110	120	7/22/2021	AC	ROADWAY	C	2	8,380.00	7/22/2021	0	100
10110	130	7/22/2021	AC	ROADWAY	C	2	11,136.00	7/22/2021	0	100
10110	140	7/22/2021	AC	ROADWAY	C	2	8,398.00	7/22/2021	0	100
10110	150	7/22/2021	AC	ROADWAY	C	2	20,500.00	7/22/2021	0	100
10110	160	7/22/2021	AC	ROADWAY	C	2	5,432.00	7/22/2021	0	100
10110	170	7/22/2021	AC	ROADWAY	C	2	42,000.00	7/22/2021	0	100
10110	172	7/22/2021	AC	ROADWAY	E	2	42,000.00	7/22/2021	0	100
10110	174	7/22/2021	AC	ROADWAY	E	2	42,000.00	7/22/2021	0	100
10110	176	7/22/2021	AC	ROADWAY	E	2	28,000.00	7/22/2021	0	100
10110	178	7/22/2021	AC	ROADWAY	E	2	11,872.00	7/22/2021	0	100
101115	1115	8/15/2004	AC	ROADWAY	E	2	65,576.00	2/14/2008	4	63
101115	1120	2/14/2005	AC	ROADWAY	E	2	5,964.00	2/14/2008	3	64
101130	1130	5/16/2006	AC	ROADWAY	A	2	96,000.00	2/14/2008	2	68
101130	1131	5/17/2007	AC	ROADWAY	E	2	29,520.00	8/9/2021	14	77
101130	1140	2/14/2007	AC	ROADWAY	A	2	29,340.00	2/14/2008	1	69
101130	1150	5/16/2006	AC	ROADWAY	A	2	28,800.00	2/14/2008	2	68
101130	1160	2/13/2008	AC	ROADWAY	A	2	33,780.00	2/14/2008	0	72
101130	1170	2/13/2008	AC	ROADWAY	A	2	29,280.00	2/14/2008	0	72

101130	1180	5/16/2006	AC	ROADWAY	A	2	31,500.00	2/14/2008	2	68
101130	1190	11/15/2001	AC	ROADWAY	A	2	39,928.00	8/9/2021	20	74
101130	1200	11/15/2001	AC	ROADWAY	A	2	95,000.00	2/14/2008	7	53
101210	1210	7/22/2021	AC	ROADWAY	A	2	36,000.00	7/22/2021	0	100
101210	1212	7/22/2021	AC	ROADWAY	E	2	36,000.00	7/22/2021	0	100
101210	1214	7/22/2021	AC	ROADWAY	E	2	4,992.00	7/22/2021	0	100
101210	1220	7/22/2021	AC	ROADWAY	A	2	14,112.00	7/22/2021	0	100
101210	1230	7/22/2021	AC	ROADWAY	A	2	36,000.00	7/22/2021	0	100
101210	1232	7/22/2021	AC	ROADWAY	E	2	36,000.00	7/22/2021	0	100
101210	1234	7/22/2021	AC	ROADWAY	E	2	36,000.00	7/22/2021	0	100
101210	1236	7/22/2021	AC	ROADWAY	E	2	36,000.00	7/22/2021	0	100
101210	1238	7/23/2021	AC	ROADWAY	E	2	36,000.00	7/23/2021	0	100
101210	1240	7/23/2021	AC	ROADWAY	A	2	31,896.00	7/23/2021	0	100
101210	1242	7/23/2021	AC	ROADWAY	E	2	24,696.00	7/23/2021	0	100
101250	1250	7/23/2021	AC	ROADWAY	C	2	28,680.00	7/23/2021	0	100
101250	1260	7/23/2021	AC	ROADWAY	C	2	36,000.00	7/23/2021	0	100
101250	1270	7/23/2021	AC	ROADWAY	C	2	36,000.00	7/23/2021	0	100
101250	1272	7/23/2021	AC	ROADWAY	E	2	36,000.00	7/23/2021	0	100
101250	1274	7/23/2021	AC	ROADWAY	E	2	36,000.00	7/23/2021	0	100
101250	1276	7/23/2021	AC	ROADWAY	E	2	19,992.00	7/23/2021	0	100
101310	1310	11/14/1996	AC	ROADWAY	E	2	36,000.00	2/14/2008	12	40
101310	1312	8/15/1997	AC	ROADWAY	E	2	13,440.00	2/14/2008	11	39
101320	1320	7/22/2021	AC	ROADWAY	A	2	3,420.00	7/22/2021	0	100
101320	1330	7/22/2021	AC	ROADWAY	A	2	42,028.00	7/22/2021	0	100
101320	1332	7/22/2021	AC	ROADWAY	E	2	8,540.00	7/22/2021	0	100
101320	1340	7/22/2021	AC	ROADWAY	A	2	28,000.00	7/22/2021	0	100
101320	1342	7/22/2021	AC	ROADWAY	E	2	16,632.00	7/22/2021	0	100
101320	1350	7/22/2021	AC	ROADWAY	A	2	42,000.00	7/22/2021	0	100
101320	1352	7/22/2021	AC	ROADWAY	E	2	7,280.00	7/22/2021	0	100
101320	1360	7/22/2021	AC	ROADWAY	A	2	42,000.00	7/22/2021	0	100
101320	1362	7/22/2021	AC	ROADWAY	E	2	42,000.00	7/22/2021	0	100
101320	1364	7/22/2021	AC	ROADWAY	E	2	42,000.00	7/22/2021	0	100
101320	1366	7/22/2021	AC	ROADWAY	E	2	42,000.00	7/22/2021	0	100
101320	1368	7/22/2021	AC	ROADWAY	E	2	32,928.00	7/22/2021	0	100
101320	1370	7/22/2021	AC	ROADWAY	A	2	22,608.00	7/22/2021	0	100
101320	1380	11/18/2000	AC	ROADWAY	A	2	44,360.00	4/1/2021	21	100
101390	1391	5/19/2008	AC	ROADWAY	E	2	15,960.00	3/31/2021	13	73
101390	1400	5/19/2009	AC	ROADWAY	C	2	8,326.00	3/31/2021	12	62
101390	1401	11/14/1996	AC	ROADWAY	E	2	13,685.00	2/14/2008	12	40
101420	1420	8/15/2005	AC	ROADWAY	E	2	11,050.00	2/14/2008	3	66
101420	1430	5/16/2005	AC	ROADWAY	E	2	5,868.00	2/14/2008	3	65
101440	1440	2/14/2004	AC	ROADWAY	E	2	11,798.00	2/14/2008	4	61
101450	1450	8/15/2005	AC	ROADWAY	E	2	14,960.00	2/14/2008	3	66
101460	1460	2/14/2002	AC	ROADWAY	E	2	18,088.00	2/14/2008	6	54
101460	1470	2/14/1997	AC	ROADWAY	E	2	24,400.00	2/14/2008	11	37
101460	1480	11/15/1999	AC	ROADWAY	E	2	18,836.00	2/14/2008	9	48
101490	1490	5/17/2007	AC	ROADWAY	E	2	5,508.00	2/14/2008	1	70
101500	1500	2/14/2005	AC	ROADWAY	E	2	19,788.00	2/14/2008	3	64
101510	1510	11/14/2004	AC	ROADWAY	E	2	4,080.00	2/14/2008	4	64
101520	1520	2/14/2005	AC	ROADWAY	E	2	12,080.00	2/14/2008	3	64
101520	1530	5/16/2005	AC	ROADWAY	E	2	16,760.00	2/14/2008	3	65
101520	1540	11/14/2004	AC	ROADWAY	E	2	20,560.00	2/14/2008	4	64
101520	1550	8/15/2005	AC	ROADWAY	E	2	19,880.00	2/14/2008	3	66
101520	1560	2/14/2006	AC	ROADWAY	E	2	8,200.00	2/14/2008	2	67

101520	1570	8/15/2005	AC	ROADWAY	E	2	10,720.00	2/14/2008	3	66
101580	1580	11/15/2001	AC	ROADWAY	E	2	20,568.00	6/30/2013	12	85
101590	1590	8/13/2010	AC	ROADWAY	A	2	126,000.00	8/13/2010	0	76
101590	1592	8/13/2010	AC	ROADWAY	E	2	19,500.00	8/13/2010	0	76
101590	1600	8/13/2010	AC	ROADWAY	A	2	50,000.00	8/13/2010	0	76
101590	1602	8/13/2010	AC	ROADWAY	E	2	28,100.00	8/9/2021	11	93
101590	1610	8/13/2010	AC	ROADWAY	A	2	2,820.00	8/13/2010	0	76
101590	1620	8/13/2010	AC	ROADWAY	A	2	46,160.00	8/13/2010	0	76
101590	1630	8/13/2010	AC	ROADWAY	A	2	22,550.00	8/13/2010	0	76
101590	1640	8/13/2010	AC	ROADWAY	A	2	12,284.00	8/9/2021	11	96
101590	1650	8/13/2010	AC	ROADWAY	A	2	26,973.00	8/13/2010	0	76
101660	1660	6/30/2020	AC	ROADWAY	E	2	17,825.00	6/30/2020	0	98
101670	1670	2/14/2000	AC	ROADWAY	E	2	18,252.00	2/14/2008	8	49
101670	1680	6/30/2020	AC	ROADWAY	E	2	12,636.00	5/19/2022	2	23
101690	1690	2/14/2002	AC	ROADWAY	E	2	4,950.00	2/14/2008	6	54
101700	1700	6/30/2020	AC	ROADWAY	E	2	10,675.00	6/30/2020	0	98
101700	1710	2/14/2000	AC	ROADWAY	E	2	5,850.00	2/14/2008	8	98
101720	1720	2/14/2002	AC	ROADWAY	E	2	24,875.00	5/19/2022	20	98
101730	1730	1/1/1960	AC	ROADWAY	A	2	52,512.00	2/14/2008	48	100
101730	1740	1/1/1960	AC	ROADWAY	A	2	15,936.00	2/14/2008	48	100
101730	1750	1/1/1960	AC	ROADWAY	A	2	60,000.00	2/14/2008	48	100
101730	1752	1/1/1960	AC	ROADWAY	E	2	25,888.00	2/14/2008	48	100
101730	1760	8/21/2010	AC	ROADWAY	A	2	80,652.00	8/21/2010	0	100
101730	1770	8/21/2011	AC	ROADWAY	A	2	41,448.00	8/21/2011	0	100
101780	1780	8/16/2006	AC	ROADWAY	A	2	54,060.00	2/14/2008	2	69
101790	1790	7/23/2021	AC	ROADWAY	E	2	11,088.00	7/23/2021	0	100
101790	1800	5/16/2002	AC	ROADWAY	E	2	20,544.00	5/19/2022	20	100
10180	180	8/15/1996	AC	ROADWAY	E	2	4,620.00	2/14/2008	12	39
101820	1820	7/22/2021	AC	ROADWAY	E	2	6,760.00	7/22/2021	0	100
101820	1830	7/23/2021	AC	ROADWAY	E	2	3,560.00	7/23/2021	0	100
101840	1840	6/30/2020	AC	ROADWAY	E	2	26,960.00	6/30/2020	0	98
101860	1860	5/17/2004	AC	ROADWAY	C	2	39,000.00	2/15/2008	4	62
101860	1862	11/15/2004	AC	ROADWAY	E	2	19,110.00	2/15/2008	4	64
101870	1870	8/17/2003	AC	ROADWAY	E	2	39,000.00	2/15/2008	5	59
101870	1880	8/16/1997	AC	ROADWAY	E	2	39,000.00	2/15/2008	11	39
101870	1882	5/17/2001	AC	ROADWAY	E	2	39,000.00	2/15/2008	7	51
101870	1884	2/18/2007	AC	ROADWAY	E	2	27,508.00	4/1/2021	14	59
101890	1890	8/16/2001	AC	ROADWAY	C	2	18,434.00	2/15/2008	7	52
101890	1900	2/15/1999	AC	ROADWAY	C	2	12,870.00	6/30/2015	16	92
101890	1910	8/17/1999	AC	ROADWAY	C	2	24,128.00	6/30/2015	16	92
101890	1920	8/16/2000	AC	ROADWAY	C	2	15,288.00	6/30/2015	15	92
101890	1930	11/16/1998	AC	ROADWAY	C	2	35,594.00	6/30/2015	17	92
10190	190	2/14/1996	AC	ROADWAY	E	2	23,670.00	2/14/2008	12	37
101940	1940	8/17/2002	AC	ROADWAY	E	2	15,048.00	2/15/2008	6	56
101950	1950	6/21/2018	AC	ROADWAY	E	2	10,728.00	6/21/2018	0	94
101960	1960	6/21/2018	AC	ROADWAY	E	2	18,824.00	6/21/2018	0	94
101970	1970	6/21/2018	AC	ROADWAY	E	2	1,920.00	6/21/2018	0	94
101970	1980	2/18/2000	AC	ROADWAY	E	2	8,160.00	4/1/2021	21	93
101990	1990	6/21/2018	AC	ROADWAY	E	2	22,906.00	6/21/2018	0	94
10200	200	11/15/2003	AC	ROADWAY	E	2	12,264.00	2/14/2008	5	69
102010	2010	2/15/1996	AC	ROADWAY	E	2	32,422.00	2/15/2008	12	100

102010	2040	2/15/2001	AC	ROADWAY	E	2	30,498.00	4/1/2021	20	100
102010	2050	7/23/2021	AC	ROADWAY	E	2	30,238.00	7/23/2021	0	100
102010	2060	7/23/2021	AC	ROADWAY	E	2	9,178.00	7/23/2021	0	100
102070	2070	2/15/2005	AC	ROADWAY	A	2	24,000.00	2/15/2008	3	64
102070	2072	8/17/2003	AC	ROADWAY	E	2	12,768.00	2/15/2008	5	59
102070	2080	5/20/2010	AC	ROADWAY	A	2	36,000.00	4/1/2021	11	77
102070	2090	2/15/2005	AC	ROADWAY	A	2	23,376.00	2/15/2008	3	64
10210	210	2/14/1995	AC	ROADWAY	E	2	24,248.00	2/14/2008	13	33
102100	2100	11/16/2003	AC	ROADWAY	E	2	12,096.00	2/15/2008	5	60
102110	2110	5/18/2003	AC	ROADWAY	E	2	9,800.00	2/15/2008	5	58
102120	2120	2/15/2004	AC	ROADWAY	E	2	7,700.00	2/15/2008	4	61
102130	2130	2/15/2004	AC	ROADWAY	E	2	6,468.00	2/15/2008	4	61
102130	2140	8/16/2004	AC	ROADWAY	E	2	23,838.00	2/15/2008	4	63
102130	2150	8/17/2006	AC	ROADWAY	E	2	9,512.00	2/15/2008	2	69
102160	2170	5/17/2005	AC	ROADWAY	E	2	47,520.00	2/15/2008	3	65
102160	2180	6/21/2018	AC	ROADWAY	E	2	13,860.00	6/21/2018	0	94
102190	2190	8/16/2000	AC	ROADWAY	E	2	16,432.00	2/15/2008	8	51
102200	2200	2/15/2005	AC	ROADWAY	E	2	17,316.00	2/15/2008	3	64
102200	2210	11/16/1994	AC	ROADWAY	E	2	9,724.00	2/15/2008	14	32
102220	2220	5/17/2004	AC	ROADWAY	E	2	13,780.00	2/15/2008	4	62
102220	2230	2/15/2002	AC	ROADWAY	E	2	3,744.00	2/15/2008	6	54
102240	2240	8/18/2004	AC	ROADWAY	A	2	24,000.00	4/1/2021	17	76
102240	2242	11/16/2002	AC	ROADWAY	E	2	17,342.00	2/15/2008	6	57
102240	2250	8/16/2005	AC	ROADWAY	A	2	5,018.00	2/15/2008	3	66
102240	2260	5/20/2006	AC	ROADWAY	A	2	39,000.00	4/1/2021	15	56
102240	2262	5/17/2001	AC	ROADWAY	E	2	12,012.00	2/15/2008	7	51
102240	2270	8/16/2001	AC	ROADWAY	A	2	13,568.00	2/15/2008	7	52
102240	2280	8/16/2001	AC	ROADWAY	A	2	5,984.00	2/15/2008	7	52
102240	2290	8/16/2001	AC	ROADWAY	A	2	1,856.00	2/15/2008	7	52
102240	2300	2/17/2014	AC	ROADWAY	A	2	24,640.00	4/1/2021	7	79
102240	2310	5/17/2004	AC	ROADWAY	A	2	39,000.00	10/31/2015	11	92
102240	2312	12/31/2015	AC	ROADWAY	E	2	2,730.00	12/31/2015	0	92
10230	230	5/16/2005	AC	ROADWAY	A	2	20,544.00	2/14/2008	3	65
10230	240	5/16/2006	AC	ROADWAY	A	2	30,848.00	2/14/2008	2	68
10230	250	5/16/2006	AC	ROADWAY	A	2	35,872.00	2/14/2008	2	68
10230	260	8/16/2006	AC	ROADWAY	A	2	5,140.00	2/14/2008	2	69
10230	270	11/15/2003	AC	ROADWAY	A	2	30,000.00	2/14/2008	5	60
10230	272	2/14/2004	AC	ROADWAY	E	2	27,860.00	2/14/2008	4	61
10230	280	8/16/1999	AC	ROADWAY	A	2	9,200.00	2/14/2008	9	47
102320	2320	2/15/1985	AC	ROADWAY	E	2	27,000.00	2/15/2008	23	0
102320	2322	11/15/1984	AC	ROADWAY	E	2	19,368.00	2/15/2008	24	0
10290	290	4/30/2017	AC	ROADWAY	C	2	21,960.00	4/30/2017	0	92
10300	300	5/16/2006	AC	ROADWAY	E	2	5,876.00	5/19/2022	16	93
10300	310	2/14/2006	AC	ROADWAY	E	2	8,034.00	5/19/2022	16	93
10320	320	5/16/2006	AC	ROADWAY	E	2	16,490.00	2/14/2008	2	68
10330	330	11/15/2002	AC	ROADWAY	A	2	16,400.00	2/14/2008	6	57
10330	340	8/19/2002	AC	ROADWAY	A	2	42,420.00	3/31/2021	19	100
10330	350	8/16/2002	AC	ROADWAY	A	2	21,168.00	2/14/2008	6	56
10330	360	2/14/2001	AC	ROADWAY	C	2	10,464.00	6/30/2013	12	88
10330	370	8/16/1999	AC	ROADWAY	C	2	11,448.00	2/14/2008	9	47
10330	380	5/16/2001	AC	ROADWAY	C	2	9,408.00	6/30/2013	12	88

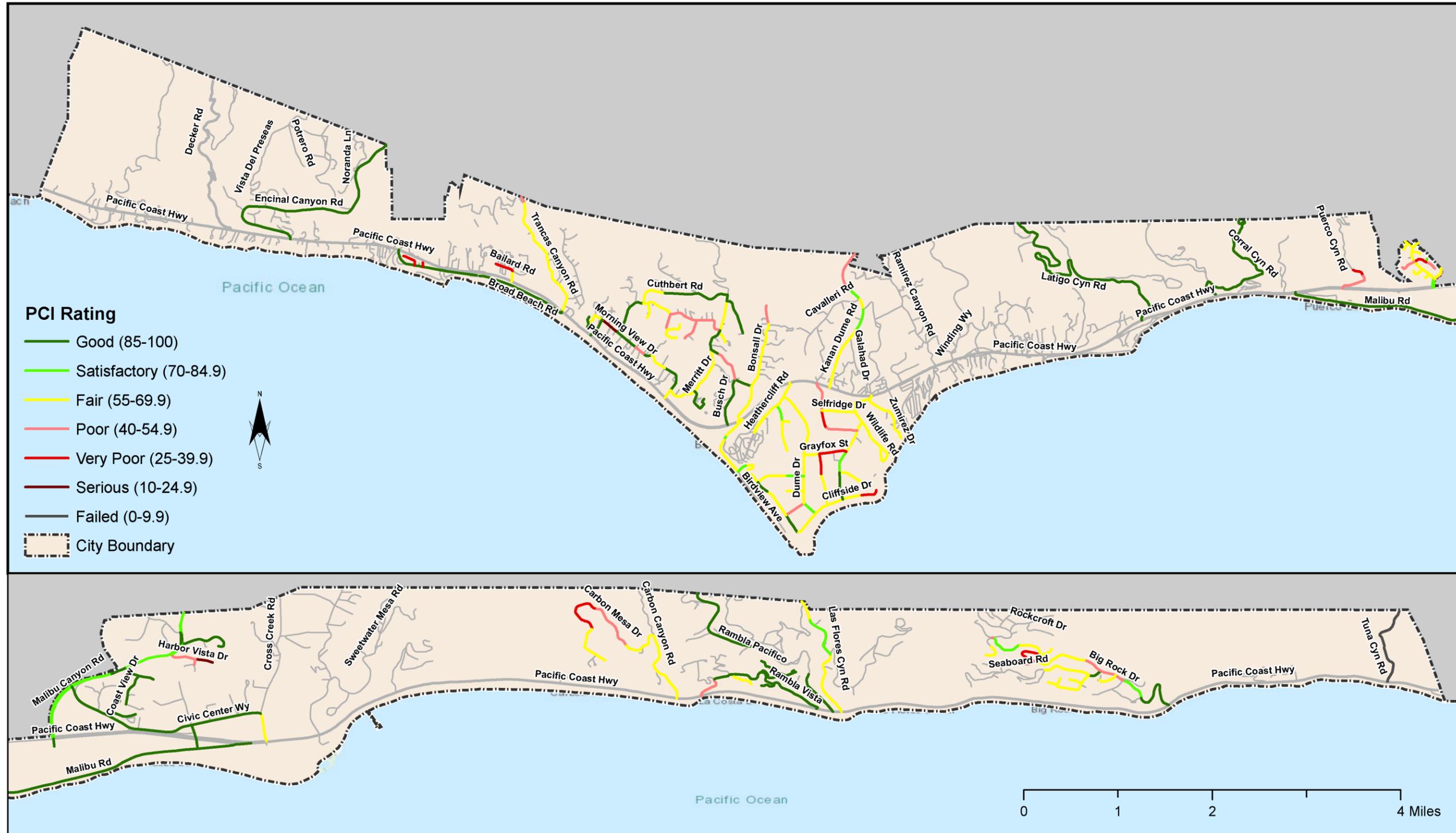
10330	390	11/15/2001	AC	ROADWAY	C	2	9,912.00	6/30/2013	12	88
10330	400	11/14/2000	AC	ROADWAY	C	2	6,048.00	6/30/2013	13	88
10330	410	5/17/1991	AC	ROADWAY	C	2	22,704.00	2/14/2008	17	18
10330	420	11/15/2003	AC	ROADWAY	C	2	11,970.00	2/14/2008	5	60
10430	430	8/15/2000	AC	ROADWAY	C	2	25,752.00	6/30/2013	13	88
10430	440	2/14/2005	AC	ROADWAY	C	2	7,656.00	6/30/2014	9	90
10450	450	5/16/2005	AC	ROADWAY	E	2	6,084.00	2/14/2008	3	65
10450	460	11/15/2003	AC	ROADWAY	E	2	32,396.00	2/14/2008	5	60
10450	470	11/15/2001	AC	ROADWAY	E	2	34,372.00	2/14/2008	7	53
10450	480	11/15/2001	AC	ROADWAY	E	2	36,712.00	2/14/2008	7	53
10450	490	11/15/2003	AC	ROADWAY	E	2	14,378.00	2/14/2008	5	60
10500	500	2/14/2001	AC	ROADWAY	E	2	25,680.00	2/14/2008	7	50
10510	510	11/15/2002	AC	ROADWAY	E	2	15,002.00	2/14/2008	6	57
10520	520	2/14/2004	AC	ROADWAY	E	2	7,536.00	2/14/2008	4	61
10520	530	11/15/1998	AC	ROADWAY	E	2	18,168.00	2/14/2008	10	44
10540	540	8/16/2002	AC	ROADWAY	E	2	19,578.00	2/14/2008	6	56
10550	550	2/14/2004	AC	ROADWAY	E	2	37,986.00	2/14/2008	4	61
10550	560	5/16/2002	AC	ROADWAY	E	2	39,000.00	6/30/2014	12	88
10550	562	11/15/2001	AC	ROADWAY	E	2	26,000.00	6/30/2014	13	88
10550	564	8/15/2000	AC	ROADWAY	E	2	15,184.00	6/30/2014	14	88
10570	570	11/15/1999	AC	ROADWAY	E	2	39,026.00	6/30/2014	15	88
10570	572	11/14/2000	AC	ROADWAY	E	2	7,852.00	6/30/2014	14	88
10580	580	4/30/2020	AC	ROADWAY	E	2	29,376.00	3/31/2021	1	96
10590	590	8/16/2003	AC	ROADWAY	C	2	31,536.00	2/14/2008	5	59
10590	600	5/16/2004	AC	ROADWAY	C	2	36,000.00	2/14/2008	4	62
10590	602	2/14/2005	AC	ROADWAY	E	2	18,192.00	2/14/2008	3	64
10610	610	4/30/2020	AC	ROADWAY	E	2	20,256.00	4/30/2020	0	98
10620	620	11/30/2015	AC	ROADWAY	A	2	36,000.00	11/30/2015	0	92
10620	622	11/30/2015	AC	ROADWAY	E	2	17,856.00	3/31/2021	6	91
10620	630	8/15/2001	AC	ROADWAY	A	2	36,000.00	2/14/2008	7	52
10620	632	11/15/2001	AC	ROADWAY	E	2	9,456.00	6/30/2013	12	85
10620	640	5/17/1999	AC	ROADWAY	A	2	25,142.00	6/30/2013	14	85
10620	650	8/15/2005	AC	ROADWAY	C	2	2,756.00	2/14/2008	3	66
10620	660	8/15/2000	AC	ROADWAY	E	2	6,916.00	6/30/2013	13	85
10670	670	11/28/2006	AC	ROADWAY	E	2	36,000.00	3/31/2021	15	62
10670	680	11/14/2004	AC	ROADWAY	E	2	36,000.00	2/14/2008	4	64
10670	682	2/14/2004	AC	ROADWAY	E	2	36,000.00	2/14/2008	4	61
10670	684	8/16/1999	AC	ROADWAY	E	2	8,328.00	2/14/2008	9	47
10690	690	2/14/2007	AC	ROADWAY	C	2	28,992.00	2/14/2008	1	69
10690	700	2/14/2007	AC	ROADWAY	C	2	16,632.00	2/14/2008	1	69
10690	710	11/15/2005	AC	ROADWAY	C	2	17,976.00	2/14/2008	3	67
10690	720	2/14/2007	AC	ROADWAY	C	2	28,000.00	2/14/2008	1	69
10690	722	5/16/1993	AC	ROADWAY	E	2	21,140.00	2/14/2008	15	26
10730	730	11/14/1996	AC	ROADWAY	C	2	24,096.00	10/31/2015	19	92
10730	740	11/18/2005	AC	ROADWAY	C	2	36,000.00	3/31/2021	16	65
10730	742	2/14/2002	AC	ROADWAY	E	2	12,888.00	11/30/2015	13	92
10730	750	2/14/2007	AC	ROADWAY	C	2	36,000.00	2/14/2008	1	69
10730	752	5/17/2007	AC	ROADWAY	E	2	12,072.00	2/14/2008	1	70
10760	760	2/14/2005	AC	ROADWAY	A	2	69,000.00	2/14/2008	3	64
10760	762	11/14/2004	AC	ROADWAY	E	2	11,546.00	2/14/2008	4	64
10760	770	8/16/2007	AC	ROADWAY	A	2	22,176.00	2/14/2008	1	71

10760	780	2/14/2006	AC	ROADWAY	A	2	18,180.00	2/14/2008	2	67
10790	790	5/16/2006	AC	ROADWAY	E	2	9,022.00	2/14/2008	2	68
10800	800	2/14/2007	AC	ROADWAY	E	2	33,624.00	2/14/2008	1	69
10800	810	5/17/2007	AC	ROADWAY	E	2	19,200.00	2/14/2008	1	70
10820	820	8/15/2005	AC	ROADWAY	E	2	10,584.00	2/14/2008	3	66
10820	830	2/14/2005	AC	ROADWAY	E	2	11,952.00	2/14/2008	3	64
10820	840	2/14/2006	AC	ROADWAY	A	2	18,576.00	2/14/2008	2	67
10820	850	8/19/2009	AC	ROADWAY	A	2	25,128.00	3/31/2021	12	63
10860	860	2/14/2007	AC	ROADWAY	E	2	39,000.00	2/14/2008	1	69
10860	862	11/15/2006	AC	ROADWAY	E	2	19,838.00	2/14/2008	2	70
10870	870	5/16/2005	AC	ROADWAY	E	2	16,400.00	2/14/2008	3	65
10880	880	5/16/2000	AC	ROADWAY	E	2	26,130.00	2/14/2008	8	50
10890	890	2/14/2005	AC	ROADWAY	E	2	45,000.00	2/14/2008	3	64
10890	892	8/15/1996	AC	ROADWAY	E	2	27,810.00	2/14/2008	12	39
10900	900	5/17/2007	AC	ROADWAY	C	2	17,376.00	2/14/2008	1	70
10900	910	11/14/2004	AC	ROADWAY	C	2	13,632.00	2/14/2008	4	64
10900	920	5/16/2005	AC	ROADWAY	C	2	16,728.00	2/14/2008	3	65
10900	930	5/16/2004	AC	ROADWAY	C	2	23,592.00	2/14/2008	4	62
10900	940	2/14/2004	AC	ROADWAY	C	2	36,000.00	2/14/2008	4	61
10900	942	2/14/2005	AC	ROADWAY	E	2	24,000.00	2/14/2008	3	64
10900	944	8/16/2003	AC	ROADWAY	E	2	15,168.00	2/14/2008	5	59
10950	950	8/16/2006	AC	ROADWAY	E	2	17,448.00	2/14/2008	2	69
10950	960	11/15/1995	AC	ROADWAY	E	2	40,288.00	2/14/2008	13	36
10950	970	5/16/2006	AC	ROADWAY	E	2	39,000.00	2/14/2008	2	68
10950	972	2/14/2007	AC	ROADWAY	E	2	14,976.00	2/14/2008	1	69
10980	980	5/17/2003	AC	ROADWAY	E	2	25,124.00	2/14/2008	5	58
10990	1000	2/18/2011	AC	ROADWAY	A	2	35,802.00	3/31/2021	10	77
10990	1010	5/16/2006	AC	ROADWAY	A	2	18,384.00	2/14/2008	2	68
10990	1020	2/14/2007	AC	ROADWAY	A	2	10,290.00	2/14/2008	1	69
10990	1030	2/14/2005	AC	ROADWAY	A	2	14,100.00	2/14/2008	3	64
10990	990	8/15/2001	AC	ROADWAY	A	2	37,320.00	6/30/2015	14	92
10995	1095	7/1/2008	AC	ROADWAY	A	0	2,240.00	5/19/2022	14	67

Pavement Database: Malibu2022-05

Age Category	Average Age at Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	Standard Deviation PCI	Weighted Average PCI
00-02		2,846,471.00	110	87.05	15.16	86.94
03-05	4	1,361,314.00	64	63.25	2.49	63.06
06-10	7	703,736.00	34	57.06	13.15	56.04
11-15	13	1,129,263.00	47	70.55	23.28	71.58
16-20	18	402,363.00	16	82.44	22.43	81.03
21-25	22	98,888.00	4	48.25	48.31	52.53
41-50	48	154,336.00	4	100.00	0.00	100.00
ALL	6	6,696,371.00	279	74.52	20.50	75.69

YEAR 2021 PAVEMENT CONDITION INDEX (PCI)



APPENDIX B
FIVE-YEAR STREET MAINTENANCE PLAN

CITY OF MALIBU FIVE YEAR PAVEMENT MANAGEMENT PLAN

Section ID	Street Name	From	To	Current PCI	Area (SF)	Treatment	Unit Price	Treatment Cost	Cumulative Cost
FISCAL YEAR 2022/23 MAJOR MAINTENANCE									
350	MORNING VIEW DR	EBBTIDE WAY	VIA CABRILLO ST	56	21,168	2" ARHM	\$ 8.64	\$ 183,000	\$ 183,000
360	MORNING VIEW DR	VIA CABRILLO ST	436 FT W OF VIA CABRILLO ST	88	10,464	2" ARHM	\$ 8.64	\$ 91,000	\$ 274,000
370	MORNING VIEW DR	436 FT W OF VIA CABRILLO ST	913 FT W OF VIA CABRILLO ST	47	11,448	2" ARHM	\$ 8.64	\$ 99,000	\$ 373,000
380	MORNING VIEW DR	913 FT W OF VIA CABRILLO ST	SEADRIFT COVE	88	9,408	2" ARHM	\$ 8.64	\$ 82,000	\$ 455,000
390	MORNING VIEW DR	SEADRIFT COVE	MALIBU PARK LN	88	9,912	2" ARHM	\$ 8.64	\$ 86,000	\$ 541,000
400	MORNING VIEW DR	MALIBU PARK LN	PHILIP AVE	88	6,048	2" ARHM	\$ 8.64	\$ 53,000	\$ 594,000
410	MORNING VIEW DR	PHILIP AVE	GUERNSEY AVE	18	22,704	2" ARHM	\$ 8.64	\$ 197,000	\$ 791,000
420	MORNING VIEW DR	GUERNSEY AVE	SEA STAR DR	60	11,970	2" ARHM	\$ 8.64	\$ 104,000	\$ 895,000
FISCAL YEAR 2023/24 ESTIMATED BUDGET =								\$ 895,000	
FISCAL YEAR 2023/24 MAJOR MAINTENANCE									
330	MORNING VIEW DR	PACIFIC COAST HWY	MERRITT DR	57	16,400	2" ARHM	\$ 2.64	\$ 44,000	\$ 44,000
450	HARVESTER RD	CUTHBERT RD	DEERHEAD RD	65	6,084	2" ARHM	\$ 2.64	\$ 17,000	\$ 61,000
460	HARVESTER RD	DEERHEAD RD	FILAREE HEIGHTS RD	60	32,396	2" ARHM	\$ 2.64	\$ 86,000	\$ 147,000
470	HARVESTER RD	FILAREE HEIGHTS RD	CLOVER HEIGHTS AVE	53	34,372	2" ARHM	\$ 2.64	\$ 91,000	\$ 238,000
480	HARVESTER RD	CLOVER HEIGHTS AVE	BUSCH DR	53	36,712	2" ARHM	\$ 2.64	\$ 97,000	\$ 335,000
490	HARVESTER RD	BUSCH DR	DEAD END	60	14,378	2" ARHM	\$ 2.64	\$ 38,000	\$ 373,000
500	CLOVER HEIGHTS AVE	DEAD END	HARVESTER RD	50	25,680	2" ARHM	\$ 2.64	\$ 68,000	\$ 441,000
510	FLORIS HEIGHTS RD	DEAD END	FILAREE HEIGHTS RD	57	15,002	2" ARHM	\$ 2.64	\$ 40,000	\$ 481,000
520	FILAREE HEIGHTS RD	DEAD END	FLORIS HEIGHTS RD	61	7,536	2" ARHM	\$ 2.64	\$ 20,000	\$ 501,000
530	FILAREE HEIGHTS RD	FLORIS HEIGHTS RD	HARVESTER RD	44	18,168	2" ARHM	\$ 2.64	\$ 48,000	\$ 549,000
540	DEERHEAD RD	DEAD END	HARVESTER RD	56	19,578	2" ARHM	\$ 2.64	\$ 52,000	\$ 601,000
FISCAL YEAR 2023/24 MINOR MAINTENANCE									
640	BUSCH DR	MERRITT DR	HARVESTER RD	85	25,142	Slurry Seal	\$ 0.44	\$ 12,000	\$ 12,000
650	BUSCH DR	HARVESTER RD	CALPINE DR	66	2,756	Slurry Seal	\$ 0.44	\$ 2,000	\$ 14,000
660	BUSCH DR	CALPINE DR	CUTHBERT RD	85	6,916	Slurry Seal	\$ 0.44	\$ 4,000	\$ 18,000
FISCAL YEAR 2022/23 ESTIMATED BUDGET =								\$ 619,000	
FISCAL YEAR 2024/25 MAJOR MAINTENANCE									
2240	BIG ROCK DR	COOL OAK WAY	1000 FT E OF COOL OAK WAY	76	24,000	2" ARHM	\$ 2.64	\$ 64,000	\$ 64,000
2242	BIG ROCK DR	1000 FT E OF COOL OAK WAY	LITTLE ROCK WAY	57	17,342	2" ARHM	\$ 2.64	\$ 46,000	\$ 110,000
2250	BIG ROCK DR	LITTLE ROCK WAY	PINNACLE WAY	66	5,018	2" ARHM	\$ 2.64	\$ 14,000	\$ 124,000
2260	BIG ROCK DR	PINNACLE WAY	1500 FT E OF PINNACLE WAY	56	39,000	2" ARHM	\$ 2.64	\$ 103,000	\$ 227,000
2262	BIG ROCK DR	1500 FT E OF PINNACLE WAY	SEABOARD RD	51	12,012	2" ARHM	\$ 2.64	\$ 32,000	\$ 259,000
2270	BIG ROCK DR	SEABOARD RD	PIEDRA CHICA RD	52	13,568	2" ARHM	\$ 2.64	\$ 36,000	\$ 295,000
2280	BIG ROCK DR	PIEDRA CHICA RD	MAJOR SEAWAY	52	5,984	2" ARHM	\$ 2.64	\$ 16,000	\$ 311,000
2290	BIG ROCK DR	MAJOR SEAWAY	INLAND LN	52	1,856	2" ARHM	\$ 2.64	\$ 5,000	\$ 316,000
2300	BIG ROCK DR	INLAND LN	ROCKPORT WAY	79	24,640	2" ARHM	\$ 2.64	\$ 66,000	\$ 382,000
2310	BIG ROCK DR	ROCKPORT WAY	1500 FT E OF ROCKPORT WAY	92	39,000	2" ARHM	\$ 2.64	\$ 103,000	\$ 485,000
2312	BIG ROCK DR	1500 FT E OF ROCKPORT WAY	PACIFIC COAST HWY	92	2,730	2" ARHM	\$ 2.64	\$ 8,000	\$ 493,000
2320	TUNA CANYON RD	PACIFIC COAST HWY	1500 FT N OF PACIFIC COAST HWY	0	27,000	2" ARHM	\$ 2.64	\$ 72,000	\$ 565,000
2322	TUNA CANYON RD	1500 FT N OF PACIFIC COAST HWY	CITY LIMIT	0	19,368	2" ARHM	\$ 2.64	\$ 52,000	\$ 617,000
FISCAL YEAR 2024/25 ESTIMATED BUDGET =								\$ 617,000	

CITY OF MALIBU FIVE YEAR PAVEMENT MANAGEMENT PLAN

Section ID	Street Name	From	To	Current PCI	Area (SF)	Treatment	Unit Price	Treatment Cost	Cumulative Cost
FISCAL YEAR 2025/26 MAJOR MAINTENANCE									
1310	PUERCO CANYON RD	PACIFIC COAST HWY	1500 FT N OF PACIFIC COAST HWY	40	36,000	2" ARHM	\$ 2.64	\$ 96,000	\$ 96,000
1312	PUERCO CANYON RD	1500 FT N OF PACIFIC COAST HWY	DEAD END	39	13,440	2" ARHM	\$ 2.64	\$ 36,000	\$ 132,000
1400	JOHN TYLER DR	MALIBU COUNTRY DR	end	62	8,326	2" ARHM	\$ 2.64	\$ 22,000	\$ 154,000
1401	JOHN TYLER DR	end	MALIBU COUNTRY DR	40	13,685	2" ARHM	\$ 2.64	\$ 37,000	\$ 191,000
1670	HARBOR VISTA DR	MALIBU CANYON RD	COLONY VIEW CIR	49	18,252	2" ARHM	\$ 2.64	\$ 49,000	\$ 240,000
1680	HARBOR VISTA DR	COLONY VIEW CIR	DEAD END	23	12,636	2" ARHM	\$ 2.64	\$ 34,000	\$ 274,000
1690	COLONY VIEW CIR	DEAD END	HARBOR VISTA DR	54	4,950	2" ARHM	\$ 2.64	\$ 14,000	\$ 288,000
2070	LAS FLORES CANYON RD	PACIFIC COAST HWY	1000 FT N OF PACIFIC COAST HWY	64	24,000	2" ARHM	\$ 2.64	\$ 64,000	\$ 352,000
2072	LAS FLORES CANYON RD	1000 FT N OF PACIFIC COAST HWY	LAS FLORES MESA DR	59	12,768	2" ARHM	\$ 2.64	\$ 34,000	\$ 386,000
2090	LAS FLORES CANYON RD	1500 FT N OF LAS FLORES MESA DR	CITY LIMIT	64	23,376	2" ARHM	\$ 2.64	\$ 62,000	\$ 448,000
FISCAL YEAR 2025/26 MINOR MAINTENANCE									
200	LUNITA RD	PACIFIC COAST HWY	BAILARD RD	60	12,264	Slurry Seal	\$ 0.44	\$ 6,000	\$ 6,000
210	BAILARD RD	DEAD END	LUNITA RD	33	20,160	Slurry Seal	\$ 0.44	\$ 9,000	\$ 15,000
1391	JOHN TYLER DR	MALIBU COUNTRY DR	PACIFIC COAST HWY	73	15,960	Slurry Seal	\$ 0.44	\$ 8,000	\$ 23,000
1420	LAUREL RIDGE DR	MALIBU COUNTRY DR	BAYBERRY LN	66	11,050	Slurry Seal	\$ 0.44	\$ 5,000	\$ 28,000
1430	LAUREL RIDGE DR	BAYBERRY LN	DEAD END	65	5,868	Slurry Seal	\$ 0.44	\$ 3,000	\$ 31,000
1440	BAYBERRY LN	DEAD END	LAUREL RIDGE DR	61	11,798	Slurry Seal	\$ 0.44	\$ 6,000	\$ 37,000
1450	SKYLINE VIEW DR	MALIBU COUNTRY DR	DEAD END	66	14,960	Slurry Seal	\$ 0.44	\$ 7,000	\$ 44,000
1460	VANTAGE POINT TER	DEAD END	MALIBU COUNTRY DR	54	18,088	Slurry Seal	\$ 0.44	\$ 8,000	\$ 52,000
1470	VANTAGE POINT TER	MALIBU COUNTRY DR	FOREST GATE CIR	37	24,400	Slurry Seal	\$ 0.44	\$ 11,000	\$ 63,000
1480	VANTAGE POINT TER	FOREST GATE CIR	DEAD END	48	18,836	Slurry Seal	\$ 0.44	\$ 9,000	\$ 72,000
1490	FOREST GATE CIR	VANTAGE POINT TER	DEAD END	70	5,508	Slurry Seal	\$ 0.44	\$ 3,000	\$ 75,000
1500	BLUE DANE LN	DEAD END	MALIBU COUNTRY DR	64	19,788	Slurry Seal	\$ 0.44	\$ 9,000	\$ 84,000
1510	PLOVER WAY	DEAD END	MALIBU COUNTRY DR	64	4,080	Slurry Seal	\$ 0.44	\$ 2,000	\$ 86,000
1520	MALIBU COUNTRY DR	JOHN TYLER DR	PLOVER WAY	64	12,080	Slurry Seal	\$ 0.44	\$ 6,000	\$ 92,000
1530	MALIBU COUNTRY DR	PLOVER WAY	BLUE DANE LN	65	16,760	Slurry Seal	\$ 0.44	\$ 8,000	\$ 100,000
1540	MALIBU COUNTRY DR	BLUE DANE LN	VANTAGE POINT TER	64	20,560	Slurry Seal	\$ 0.44	\$ 10,000	\$ 110,000
1550	MALIBU COUNTRY DR	VANTAGE POINT TER	SKYLINE VIEW DR	66	19,880	Slurry Seal	\$ 0.44	\$ 9,000	\$ 119,000
1560	MALIBU COUNTRY DR	SKYLINE VIEW DR	LAUREL RIDGE DR	67	8,200	Slurry Seal	\$ 0.44	\$ 4,000	\$ 123,000
1570	MALIBU COUNTRY DR	LAUREL RIDGE DR	JOHN TYLER DR	66	10,720	Slurry Seal	\$ 0.44	\$ 5,000	\$ 128,000
2080	LAS FLORES CANYON RD	LAS FLORES MESA DR	1500 FT N OF LAS FLORES MESA DR	77	36,000	Slurry Seal	\$ 0.44	\$ 16,000	\$ 144,000
FISCAL YEAR 2025/26 ESTIMATED BUDGET =								\$ 592,000	

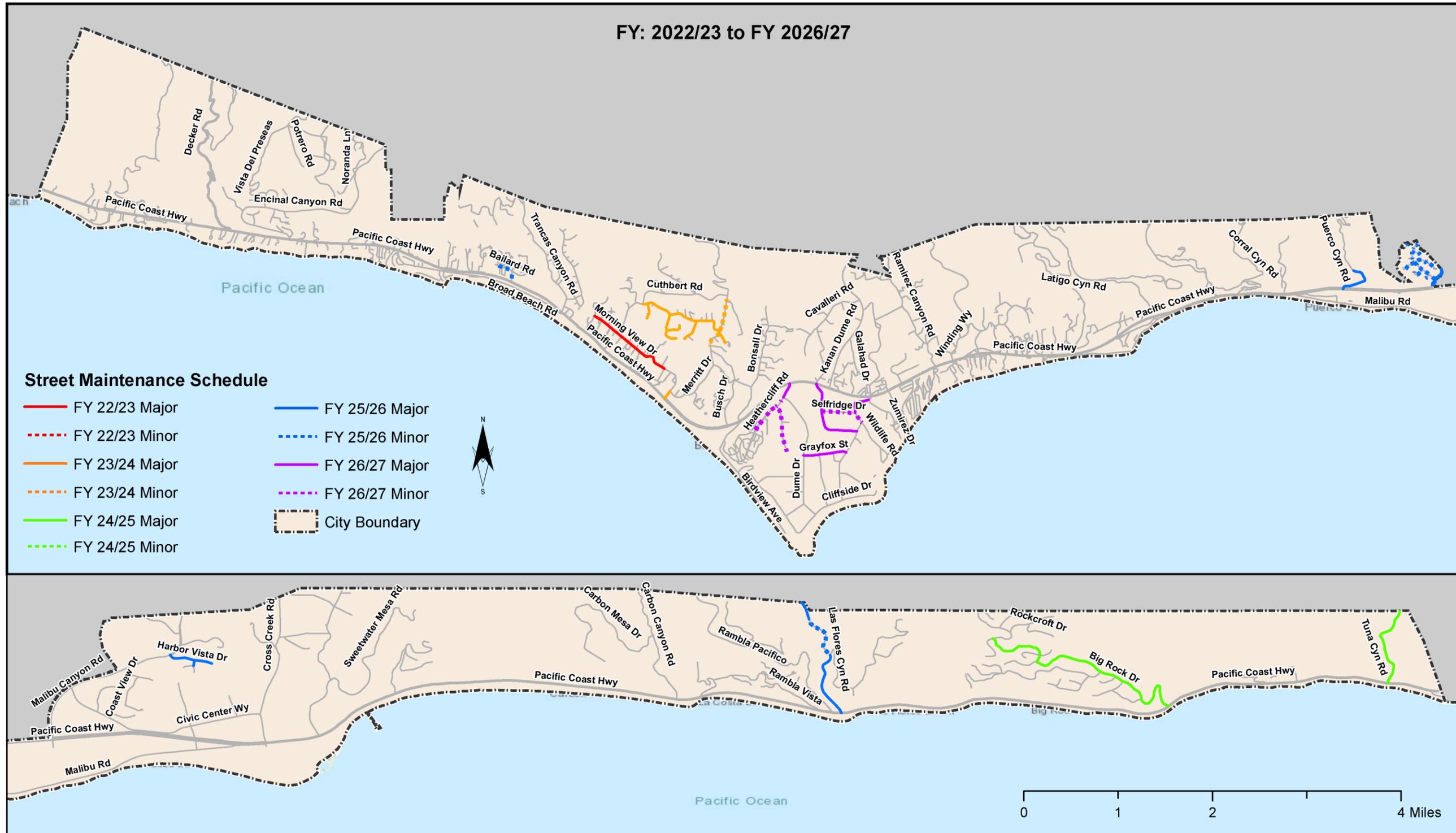
CITY OF MALIBU FIVE YEAR PAVEMENT MANAGEMENT PLAN

Section ID	Street Name	From	To	Current PCI	Area (SF)	Treatment	Unit Price	Treatment Cost	Cumulative Cost
FISCAL YEAR 2026/27 MAJOR MAINTENANCE									
850	HEATHERCLIFF RD	DUME DR	PACIFIC COAST HWY	63	18,846	2" ARHM	\$ 2.64	\$ 50,000	\$ 50,000
950	GRAYFOX ST	DUME DR	GRASSWOOD AVE	69	17,448	2" ARHM	\$ 2.64	\$ 47,000	\$ 97,000
960	GRAYFOX ST	GRASSWOOD AVE	FERNHILL DR	36	40,288	2" ARHM	\$ 2.64	\$ 107,000	\$ 204,000
1050	BONIFACE DR	PORTSHEAD RD	FERNHILL DR	50	35,200	2" ARHM	\$ 2.64	\$ 93,000	\$ 297,000
1060	PORTSHEAD RD	BONIFACE DR	SELFRIDGE DR	38	20,496	2" ARHM	\$ 2.64	\$ 55,000	\$ 352,000
1070	PORTSHEAD RD	SELFRIDGE DR	PACIFIC COAST HWY	42	31,416	2" ARHM	\$ 2.64	\$ 83,000	\$ 435,000
1110	WILDLIFE RD	SELFRIDGE DR	ZUMIREZ DR	65	31,304	2" ARHM	\$ 2.64	\$ 83,000	\$ 518,000
FISCAL YEAR 2026/27 MINOR MAINTENANCE									
800	WANDERMERE RD	DEAD END	LARKSPUR LN	69	33,624	Slurry Seal	\$ 0.44	\$ 15,000	\$ 15,000
810	WANDERMERE RD	LARKSPUR LN	HEATHERCLIFF RD	70	19,200	Slurry Seal	\$ 0.44	\$ 9,000	\$ 24,000
820	HEATHERCLIFF RD	WILDFLOWER RD	CALLINNRIA WAY	66	10,584	Slurry Seal	\$ 0.44	\$ 5,000	\$ 29,000
830	HEATHERCLIFF RD	CALLINNRIA WAY	WANDERMERE RD	64	11,952	Slurry Seal	\$ 0.44	\$ 6,000	\$ 35,000
840	HEATHERCLIFF RD	WANDERMERE RD	DUME DR	67	18,576	Slurry Seal	\$ 0.44	\$ 9,000	\$ 44,000
970	GRAYFOX ST	FERNHILL DR	1500 FT E OF FERNHILL DR	68	39,000	Slurry Seal	\$ 0.44	\$ 18,000	\$ 62,000
972	GRAYFOX ST	1500 FT E OF FERNHILL DR	DEAD END	69	14,976	Slurry Seal	\$ 0.44	\$ 7,000	\$ 69,000
1040	SELFRIDGE DR	PORTSHEAD RD	1000 FT E OF PORTSHEAD RD	68	28,000	Slurry Seal	\$ 0.44	\$ 13,000	\$ 82,000
1042	SELFRIDGE DR	1000 FT E OF PORTSHEAD RD	WILDLIFE RD	64	16,016	Slurry Seal	\$ 0.44	\$ 8,000	\$ 90,000
1100	WILDLIFE RD	FERNHILL DR	SELFRIDGE DR	66	15,540	Slurry Seal	\$ 0.44	\$ 7,000	\$ 97,000
FISCAL YEAR 2026/27 ESTIMATED BUDGET =								\$ 615,000	



5-YEAR STREET MAINTENANCE PLAN

FY: 2022/23 to FY 2026/27



APPENDIX C
SEGMENTS WITH A PCI BELOW 75 NOT INCLUDED IN
FIVE-YEAR BUDGET

2021 UNFUNDED SECTIONS WITH PCI < 75

Section ID	Report_Branch.Name	From	To	Length (in ft)	Width (in ft)	Section Area (in sqft)	Last Work Year	2021 PCI	2021 PCI Rating	Major or Minor	Unit Cost	Cost
180	BUNNIE LN	BROAD BEACH RD	DEAD END	154	30	4,620	1996	39	Very Poor	Major	2.64	\$ 13,000.00
190	COTTONTAIL LN	BROAD BEACH RD	DEAD END	789	30	23,670	1996	37	Very Poor	Major	2.64	\$ 63,000.00
230	TRANCAS CANYON RD	PACIFIC COAST HWY	PRINCIPIO DR	642	32	20,544	2005	65	Fair	Minor	0.44	\$ 10,000.00
240	TRANCAS CANYON RD	PRINCIPIO DR	TAPIA DR	964	32	30,848	2006	68	Fair	Minor	0.44	\$ 14,000.00
250	TRANCAS CANYON RD	TAPIA DR	VISTA PLAYA DR	1,121	32	35,872	2006	68	Fair	Minor	0.44	\$ 16,000.00
260	TRANCAS CANYON RD	VISTA PLAYA DR	LA GLORIA DR	257	20	5,140	2006	69	Fair	Minor	0.44	\$ 3,000.00
270	TRANCAS CANYON RD	LA GLORIA DR	1500 FT N OF LA GLORIA DR	1,500	20	30,000	2003	60	Fair	Major	2.64	\$ 80,000.00
272	TRANCAS CANYON RD	1500 FT N OF LA GLORIA DR	ANACAPA VIEW DR	1,393	20	27,860	2004	61	Fair	Major	2.64	\$ 74,000.00
280	TRANCAS CANYON RD	ANACAPA VIEW DR	CITY LIMIT	460	20	9,200	1999	47	Poor	Major	2.64	\$ 25,000.00
320	SEA STAR DR	SURFSIDE WAY	MORNING VIEW DR	485	34	16,490	2006	68	Fair	Minor	0.44	\$ 8,000.00
550	CUTHBERT RD	HARVESTER RD	HORIZON DR	1,461	26	37,986	2004	61	Fair	Major	2.64	\$ 101,000.00
590	MERRITT DR	MORNING VIEW DR	BADEN PL	1,314	24	31,536	2003	59	Fair	Major	2.64	\$ 84,000.00
600	MERRITT DR	BADEN PL	1500 FT N OF BADEN PL	1,500	24	36,000	2004	62	Fair	Major	2.64	\$ 96,000.00
602	MERRITT DR	1500 FT N OF BADEN PL	BUSCH DR	758	24	18,192	2005	64	Fair	Major	2.64	\$ 49,000.00
630	BUSCH DR	RAINSFORD PL	1500 FT N OF RAINSFORD PL	1,500	24	36,000	2001	52	Poor	Major	2.64	\$ 96,000.00
670	BONSALL DR	PACIFIC COAST HWY	1500 FT N OF PACIFIC COAST HWY	1,500	24	36,000	2006	62	Fair	Major	2.64	\$ 96,000.00
680	BONSALL DR	RAINSFORD PL	1500 FT N OF RAINSFORD PL	1,500	24	36,000	2004	64	Fair	Major	2.64	\$ 96,000.00
682	BONSALL DR	1500 FT N OF RAINSFORD PL	3000 FT N OF RAINSFORD PL	1,500	24	36,000	2004	61	Fair	Major	2.64	\$ 96,000.00
684	BONSALL DR	3000 FT N OF RAINSFORD PL	UNKNOWN	347	24	8,328	1999	47	Poor	Major	2.64	\$ 22,000.00
690	CLIFFSIDE DR	BIRDVIEW AVE	DUME DR	1,208	24	28,992	2007	69	Fair	Minor	0.44	\$ 13,000.00
700	CLIFFSIDE DR	DUME DR	GRASSWOOD AVE	693	24	16,632	2007	69	Fair	Minor	0.44	\$ 8,000.00
710	CLIFFSIDE DR	GRASSWOOD AVE	FERNHILL DR	749	24	17,976	2005	67	Fair	Minor	0.44	\$ 8,000.00
720	CLIFFSIDE DR	FERNHILL DR	1000 FT E OF FERNHILL DR	1,000	28	28,000	2007	69	Fair	Minor	0.44	\$ 13,000.00
722	CLIFFSIDE DR	1000 FT E OF FERNHILL DR	DEAD END	755	28	21,140	1993	26	Very Poor	Major	2.64	\$ 56,000.00
740	BIRDVIEW AVE	SEALION PL	1500 FT N OF SEALION PL	1,500	24	36,000	2005	65	Fair	Minor	0.44	\$ 16,000.00
750	BIRDVIEW AVE	BLUEWATER RD	1500 FT N OF BLUEWATER RD	1,500	24	36,000	2007	69	Fair	Minor	0.44	\$ 16,000.00
752	BIRDVIEW AVE	1500 FT N OF BLUEWATER RD	WESTWARD BEACH RD	503	24	12,072	2007	70	Fair	Minor	0.44	\$ 6,000.00
760	WESTWARD BEACH RD	BIRDVIEW AVE	1500 FT N OF BIRDVIEW AVE	1,500	46	69,000	2005	64	Fair	Major	2.64	\$ 183,000.00
762	WESTWARD BEACH RD	1500 FT N OF BIRDVIEW AVE	ZUMA BAY WAY	251	46	11,546	2004	64	Fair	Major	2.64	\$ 31,000.00
770	WESTWARD BEACH RD	ZUMA BAY WAY	ZUMA ACCESS RD	616	36	22,176	2007	71	Satisfactory	Minor	0.44	\$ 10,000.00
780	WESTWARD BEACH RD	ZUMA ACCESS RD	PACIFIC COAST HWY	505	36	18,180	2006	67	Fair	Minor	0.44	\$ 8,000.00
790	LARKSPUR LN	WANDERMERE RD	DEAD END	347	26	9,022	2006	68	Fair	Minor	0.44	\$ 4,000.00
860	BLUEWATER RD	BIRDVIEW AVE	1500 FT E OF BIRDVIEW AVE	1,500	26	39,000	2007	69	Fair	Minor	0.44	\$ 18,000.00
862	BLUEWATER RD	1500 FT E OF BIRDVIEW AVE	DUME DR	763	26	19,838	2006	70	Fair	Minor	0.44	\$ 9,000.00
870	GREENWATER RD	DEAD END	DUME DR	820	20	16,400	2005	65	Fair	Minor	0.44	\$ 8,000.00
880	SEALION PL	BIRDVIEW AVE	DUME DR	1,005	26	26,130	2000	50	Poor	Major	2.64	\$ 69,000.00
890	GRASSWOOD AVE	CLIFFSIDE DR	1500 FT N OF CLIFFSIDE DR	1,500	30	45,000	2005	64	Fair	Major	2.64	\$ 119,000.00
892	GRASSWOOD AVE	1500 FT N OF CLIFFSIDE DR	GRAYFOX ST	927	30	27,810	1996	39	Very Poor	Major	2.64	\$ 74,000.00

2021 UNFUNDED SECTIONS WITH PCI < 75

Section ID	Report_Branch.Name	From	To	Length (in ft)	Width (in ft)	Section Area (in sqft)	Last Work Year	2021 PCI	2021 PCI Rating	Major or Minor	Unit Cost	Cost
900	DUME DR	CLIFFSIDE DR	SEALION PL	724	24	17,376	2007	70	Fair	Minor	0.44	\$ 8,000.00
910	DUME DR	SEALION PL	GREENWATER RD	568	24	13,632	2004	64	Fair	Major	2.64	\$ 36,000.00
920	DUME DR	GREENWATER RD	BLUEWATER RD	697	24	16,728	2005	65	Fair	Minor	0.44	\$ 8,000.00
930	DUME DR	BLUEWATER RD	GRAYFOX ST	983	24	23,592	2004	62	Fair	Major	2.64	\$ 63,000.00
940	DUME DR	GRAYFOX ST	1500 FT N OF GRAYFOX ST	1,500	24	36,000	2004	61	Fair	Major	2.64	\$ 96,000.00
942	DUME DR	1500 FT N OF GRAYFOX ST	2500 FT N OF GRAYFOX ST	1,000	24	24,000	2005	64	Fair	Major	2.64	\$ 64,000.00
944	DUME DR	2500 FT N OF GRAYFOX ST	HEATHERCLIFF RD	632	24	15,168	2003	59	Fair	Major	2.64	\$ 41,000.00
980	BISON CT	FERNHILL DR	DEAD END	1,142	22	25,124	2003	58	Fair	Major	2.64	\$ 67,000.00
1010	FERNHILL DR	GRAYFOX ST	SEA RANCH WAY	766	24	18,384	2006	68	Fair	Minor	0.44	\$ 9,000.00
1020	FERNHILL DR	SEA RANCH WAY	BONIFACE DR	343	30	10,290	2007	69	Fair	Minor	0.44	\$ 5,000.00
1030	FERNHILL DR	BONIFACE DR	WILDLIFE RD	470	30	14,100	2005	64	Fair	Major	2.64	\$ 38,000.00
1080	WILDLIFE RD	WHITESANDS PL	WHITESANDS PL	883	28	24,724	2005	67	Fair	Minor	0.44	\$ 11,000.00
1090	WILDLIFE RD	WHITESANDS PL	FERNHILL DR	1,484	28	41,552	2005	67	Fair	Minor	0.44	\$ 19,000.00
1095	WHITESANDS PL	WILDLIFE RD	WILDLIFE RD	615	24	14,760	2005	67	Fair	Minor	0.44	\$ 7,000.00
1115	ZUMIREZ DR	DEAD END	WILDLIFE RD	2,342	28	65,576	2004	63	Fair	Major	2.64	\$ 174,000.00
1120	ZUMIREZ DR	WILDLIFE RD	PACIFIC COAST HWY	213	28	5,964	2005	64	Fair	Major	2.64	\$ 16,000.00
1130	KANAN DUME RD	PACIFIC COAST HWY	1500 FT N OF PACIFIC COAST HWY	1,500	64	96,000	2006	68	Fair	Minor	0.44	\$ 43,000.00
1140	KANAN DUME RD	1500 FT N OF PACIFIC COAST HWY	GALAHAD DR	978	30	29,340	2007	69	Fair	Minor	0.44	\$ 13,000.00
1150	KANAN DUME RD	GALAHAD DR	TEAL TER	480	60	28,800	2006	68	Fair	Minor	0.44	\$ 13,000.00
1160	KANAN DUME RD	TEAL TER	VIA VENEZIA	563	60	33,780	2008	72	Satisfactory	Minor	0.44	\$ 15,000.00
1170	KANAN DUME RD	VIA VENEZIA	ZUMIREZ DR	488	60	29,280	2008	72	Satisfactory	Minor	0.44	\$ 13,000.00
1180	KANAN DUME RD	ZUMIREZ DR	CAVALLERI RD	525	60	31,500	2006	68	Fair	Minor	0.44	\$ 14,000.00
1190	KANAN DUME RD	CAVALLERI RD	644 FT N OF CAVALLERI RD	644	62	39,928	2001	74	Satisfactory	Minor	0.44	\$ 18,000.00
1200	KANAN DUME RD	644 FT N OF CAVALLERI RD	CITY LIMIT	1,900	50	95,000	2001	53	Poor	Major	2.64	\$ 251,000.00
1780	CROSS CREEK RD	PACIFIC COAST HWY	CIVIC CENTER WAY	901	60	54,060	2006	69	Fair	Minor	0.44	\$ 24,000.00
1860	CARBON CANYON RD	PACIFIC COAST HWY	1500 FT N OF PACIFIC COAST HWY	1,500	26	39,000	2004	62	Fair	Major	2.64	\$ 103,000.00
1862	CARBON CANYON RD	1500 FT N OF PACIFIC COAST HWY	CARBON MESA RD	735	26	19,110	2004	64	Fair	Major	2.64	\$ 51,000.00
1870	CARBON MESA RD	DEAD END	1500 FT NE OF DEAD END	1,500	26	39,000	2003	59	Fair	Major	2.64	\$ 103,000.00
1880	CARBON MESA RD	1500 FT NE OF DEAD END	3000 FT NE OF DEAD END	1,500	26	39,000	1997	39	Very Poor	Major	2.64	\$ 103,000.00
1882	CARBON MESA RD	3000 FT NE OF DEAD END	4500 FT NE OF DEAD END	1,500	26	39,000	2001	51	Poor	Major	2.64	\$ 103,000.00
1884	CARBON MESA RD	4500 FT NE OF DEAD END	CARBON CANYON RD	1,058	26	27,508	2007	59	Fair	Major	2.64	\$ 73,000.00
1890	RAMBLA VISTA	PACIFIC COAST HWY	VILLA COSTERA	709	26	18,434	2001	52	Poor	Major	2.64	\$ 49,000.00
1940	PASEO SERRA ST	RAMBLA VISTA	DEAD END	627	24	15,048	2002	56	Fair	Major	2.64	\$ 40,000.00
2100	PIEDRA CHICA RD	DEAD END	BIG ROCK DR	432	28	12,096	2003	60	Fair	Major	2.64	\$ 32,000.00
2110	ROYAL STONE DR	DEAD END	ROCA CHICA DR	350	28	9,800	2003	58	Fair	Major	2.64	\$ 26,000.00
2120	SEAMOOR DR	ROCA CHICA DR	DEAD END	275	28	7,700	2004	61	Fair	Major	2.64	\$ 21,000.00
2130	ROCA CHICA DR	DEAD END	SEAMOOR DR	231	28	6,468	2004	61	Fair	Major	2.64	\$ 18,000.00
2140	ROCA CHICA DR	SEAMOOR DR	ROYAL STONE DR	822	29	23,838	2004	63	Fair	Major	2.64	\$ 63,000.00

2021 UNFUNDED SECTIONS WITH PCI < 75

Section ID	Report_Branch.Name	From	To	Length (in ft)	Width (in ft)	Section Area (in sqft)	Last Work Year	2021 PCI	2021 PCI Rating	Major or Minor	Unit Cost	Cost
2150	ROCA CHICA DR	ROYAL STONE DR	SEABOARD RD	328	29	9,512	2006	69	Fair	Minor	0.44	\$ 5,000.00
2170	SEABOARD RD	1050 FT E OF ROCKPOINT RD	ROCA CHICA DR	1,050	36	37,800	2005	65	Fair	Minor	0.44	\$ 17,000.00
2190	PINNACLE WAY	DEAD END	BIG ROCK DR	632	26	16,432	2000	51	Poor	Major	2.64	\$ 44,000.00
2200	LITTLE ROCK WAY	DEAD END	BIG ROCK DR	666	26	17,316	2005	64	Fair	Major	2.64	\$ 46,000.00
2210	LITTLE ROCK WAY	BIG ROCK DR	DEAD END	374	26	9,724	1994	32	Very Poor	Major	2.64	\$ 26,000.00
2220	COOL OAK WAY	DEAD END	530 FT N OF DEAD END	530	26	13,780	2004	62	Fair	Major	2.64	\$ 37,000.00
2230	COOL OAK WAY	530 FT N OF DEAD END	BIG ROCK DR	144	26	3,744	2002	54	Poor	Major	2.64	\$ 10,000.00
Total Unfunded Projects												\$ 3,747,000.00

APPENDIX D

SEGMENTS WITH A PCI ABOVE 75

2021 - SECTIONS WITH PCI > 75

Section ID	Report_Branch.Name	From	To	Length (in ft)	Width (in ft)	Section Area (in sqft)	Last Work Year	2021 PCI	2021 PCI Rating
10	ENCINAL CANYON RD	PACIFIC COAST HWY	PUESTA DEL SOL ST	183	24	4392	2015	92	Good
20	ENCINAL CANYON RD	PUESTA DEL SOL ST	CANON DE CIMARRON	282	24	6768	2015	92	Good
30	ENCINAL CANYON RD	CANON DE CIMARRON	AVENIDA DEL MAR	1417	30	42510	2015	92	Good
40	ENCINAL CANYON RD	AVENIDA DEL MAR	1018 FT N OF AVENIDA DEL MAR	1018	30	30540	2015	92	Good
50	ENCINAL CANYON RD	1018 FT N OF AVENIDA DEL MAR	AVENIDA DE LA ENCINAL	958	30	28740	2015	92	Good
60	ENCINAL CANYON RD	AVENIDA DE LA ENCINAL	VIA VIENTA ST	598	30	17940	2015	92	Good
70	ENCINAL CANYON RD	VIA VIENTA ST	476 FT E OF VIA VIENTA ST	476	30	14280	2015	92	Good
80	ENCINAL CANYON RD	476 FT E OF VIA VIENTA ST	1976 FT E OF VIA VIENTA ST	1500	30	45000	2000	92	Good
82	ENCINAL CANYON RD	1976 FT E OF VIA VIENTA ST	3476 FT E OF VIA VIENTA ST	1500	30	45000	2001	92	Good
90	ENCINAL CANYON RD	3476 FT E OF VIA VIENTA ST	NORANDA LN	1601	30	48030	2003	92	Good
100	ENCINAL CANYON RD	NORANDA LN	1500 FT N OF NORANDA LN	1500	30	45000	2003	92	Good
102	ENCINAL CANYON RD	1500 FT N OF NORANDA LN	CITY LIMIT	646	30	19380	1999	92	Good
110	BROAD BEACH RD	PACIFIC COAST HWY	SEAFIELD DR	254	20	5080	2021	100	Good
120	BROAD BEACH RD	SEAFIELD DR	SEAFIELD DR	419	20	8380	2021	100	Good
130	BROAD BEACH RD	SEAFIELD DR	COTTONTAIL LN	464	24	11136	2021	100	Good
140	BROAD BEACH RD	COTTONTAIL LN	BUNNIE LN	221	38	8398	2021	100	Good
150	BROAD BEACH RD	BUNNIE LN	SEA LEVEL DR	1025	20	20500	2021	100	Good
160	BROAD BEACH RD	SEA LEVEL DR	VICTORIA POINT RD	194	28	5432	2021	100	Good
170	BROAD BEACH RD	VICTORIA POINT RD	1500 FT E OF VICTORIA POINT RD	1500	28	42000	2021	100	Good
172	BROAD BEACH RD	1500 FT E OF VICTORIA POINT RD	3000 FT E OF VICTORIA POINT RD	1500	28	42000	2021	100	Good
174	BROAD BEACH RD	3000 FT E OF VICTORIA POINT RD	4500 FT E OF VICTORIA POINT RD	1500	28	42000	2021	100	Good
176	BROAD BEACH RD	4500 FT E OF VICTORIA POINT RD	5500 FT E OF VICTORIA POINT RD	1000	28	28000	2021	100	Good
178	BROAD BEACH RD	5500 FT E OF VICTORIA POINT RD	PACIFIC COAST HWY	424	28	11872	2021	100	Good
290	GUERNSEY AVE	PACIFIC COAST HWY	MORNING VIEW DR	915	24	21960	2017	92	Good
300	SURFSIDE WAY	DEAD END	SEA STAR DR	226	26	5876	2017	93	Good
310	SURFSIDE WAY	SEA STAR DR	DEAD END	309	26	8034	2017	93	Good
340	MORNING VIEW DR	MERRITT DR	EBBTIDE WAY	1414	30	42420	2021	100	Good
430	PHILIP AVE	MORNING VIEW DR	SEA VIEW DR	1073	24	25752	2000	88	Good
440	PHILIP AVE	SEA VIEW DR	CUTHBERT RD	319	24	7656	2005	90	Good
560	CUTHBERT RD	HORIZON DR	1500 FT E OF HORIZON DR	1500	26	39000	2002	88	Good
562	CUTHBERT RD	1500 FT E OF HORIZON DR	3000 FT E OF HORIZON DR	1000	26	26000	2001	88	Good
564	CUTHBERT RD	3000 FT E OF HORIZON DR	BUSCH DR	584	26	15184	2000	88	Good
570	CALPINE DR	BUSCH DR	1500 FT S OF BUSCH DR	1501	26	39026	1999	88	Good
572	CALPINE DR	1500 FT S OF BUSCH DR	DEAD END	302	26	7852	2000	88	Good
580	BADEN PL	MERRITT DR	DEAD END	1224	24	29376	2020	96	Good
610	RAINSFORD PL	BUSCH DR	BONSALL DR	844	24	20256	2020	98	Good
620	BUSCH DR	PACIFIC COAST HWY	1500 FT N OF PACIFIC COAST HWY	1500	24	36000	2015	92	Good
622	BUSCH DR	1500 FT N OF PACIFIC COAST HWY	RAINSFORD PL	744	24	17856	2015	91	Good
632	BUSCH DR	1500 FT N OF RAINSFORD PL	MERRITT DR	394	24	9456	2001	85	Satisfactory
730	BIRDVIEW AVE	CLIFFSIDE DR	SEALION PL	1004	24	24096	1996	92	Good
742	BIRDVIEW AVE	1500 FT N OF SEALION PL	BLUEWATER RD	537	24	12888	2002	92	Good
990	FERNHILL DR	CLIFFSIDE DR	BISON CT	1244	30	37320	2001	92	Good
1000	FERNHILL DR	BISON CT	GRAYFOX ST	1053	34	35802	2011	77	Satisfactory

2021 - SECTIONS WITH PCI > 75

Section ID	Report_Branch.Name	From	To	Length (in ft)	Width (in ft)	Section Area (in sqft)	Last Work Year	2021 PCI	2021 PCI Rating
1131	KANAN DUME RD	1500 FT N OF PACIFIC COAST HWY	PACIFIC COAST HWY	984	30	29520	2007	77	Satisfactory
1210	LATIGO CANYON RD	PACIFIC COAST HWY	1500 FT N OF PACIFIC COAST HWY	1500	24	36000	2021	100	Good
1212	LATIGO CANYON RD	1500 FT N OF PACIFIC COAST HWY	3000 FT N OF PACIFIC COAST HWY	1500	24	36000	2021	100	Good
1214	LATIGO CANYON RD	3000 FT N OF PACIFIC COAST HWY	WILLMOTT LN	208	24	4992	2021	100	Good
1220	LATIGO CANYON RD	WILLMOTT LN	VIA TAPIA	588	24	14112	2021	100	Good
1230	LATIGO CANYON RD	VIA TAPIA	1500 FT NW OF VIA TAPIA	1500	24	36000	2021	100	Good
1232	LATIGO CANYON RD	1500 FT NW OF VIA TAPIA	3000 FT NW OF VIA TAPIA	1500	24	36000	2021	100	Good
1234	LATIGO CANYON RD	3000 FT NW OF VIA TAPIA	4500 FT NW OF VIA TAPIA	1500	24	36000	2021	100	Good
1236	LATIGO CANYON RD	4500 FT NW OF VIA TAPIA	6000 FT NW OF VIA TAPIA	1500	24	36000	2021	100	Good
1238	LATIGO CANYON RD	6000 FT NW OF VIA TAPIA	7500 FT NW OF VIA TAPIA	1500	24	36000	2021	100	Good
1240	LATIGO CANYON RD	7500 FT NW OF VIA TAPIA	CALICUT RD	1329	24	31896	2021	100	Good
1242	LATIGO CANYON RD	CALICUT RD	CITY LIMIT	1029	24	24696	2021	100	Good
1250	CORRAL CANYON RD	PACIFIC COAST HWY	SOLSTICE CANYON RD	956	30	28680	2021	100	Good
1260	CORRAL CANYON RD	SOLSTICE CANYON RD	1500 FT E OF SOLSTICE CANYON RD	1500	24	36000	2021	100	Good
1270	CORRAL CANYON RD	1500 FT E OF SOLSTICE CANYON RD	3000 FT E OF SOLSTICE CANYON RD	1500	24	36000	2021	100	Good
1272	CORRAL CANYON RD	3000 FT E OF SOLSTICE CANYON RD	4500 FT E OF SOLSTICE CANYON RD	1500	24	36000	2021	100	Good
1274	CORRAL CANYON RD	4500 FT E OF SOLSTICE CANYON RD	6000 FT E OF SOLSTICE CANYON RD	1500	24	36000	2021	100	Good
1276	CORRAL CANYON RD	6000 FT E OF SOLSTICE CANYON RD	CITY LIMIT	833	24	19992	2021	100	Good
1320	MALIBU RD	PACIFIC COAST HWY	BAYSHORE DR	171	20	3420	2021	100	Good
1330	MALIBU RD	BAYSHORE DR	1500 FT E OF BAYSHORE DR	1501	28	42028	2021	100	Good
1332	MALIBU RD	1500 FT E OF BAYSHORE DR	BAYSHORE DR	305	28	8540	2021	100	Good
1340	MALIBU RD	BAYSHORE DR	1000 FT E OF BAYSHORE DR	1000	28	28000	2021	100	Good
1342	MALIBU RD	1000 FT E OF BAYSHORE DR	PUERCO CANYON RD	594	28	16632	2021	100	Good
1350	MALIBU RD	PUERCO CANYON RD	1500 FT E OF PUERCO CANYON RD	1500	28	42000	2021	100	Good
1352	MALIBU RD	1500 FT E OF PUERCO CANYON RD	1760 FT E OF PUERCO CANYON RD	260	28	7280	2021	100	Good
1360	MALIBU RD	1760 FT E OF PUERCO CANYON RD	3260 FT E OF PUERCO CANYON RD	1500	28	42000	2021	100	Good
1362	MALIBU RD	3260 FT E OF PUERCO CANYON RD	4760 FT E OF PUERCO CANYON RD	1500	28	42000	2021	100	Good
1364	MALIBU RD	4760 FT E OF PUERCO CANYON RD	6260 FT E OF PUERCO CANYON RD	1500	28	42000	2021	100	Good
1366	MALIBU RD	6260 FT E OF PUERCO CANYON RD	7760 FT E OF UNKNOWN	1500	28	42000	2021	100	Good
1368	MALIBU RD	7760 FT E OF UNKNOWN	MALIBU COLONY DR	1176	28	32928	2021	100	Good
1370	MALIBU RD	MALIBU COLONY DR	WEBB WAY	471	48	22608	2021	100	Good
1380	MALIBU RD	WEBB WAY	PACIFIC COAST HWY	1109	40	44360	2021	100	Good
1580	WINTER MESA DR	DEAD END	PACIFIC COAST HWY	857	24	20568	2001	85	Satisfactory
1590	MALIBU CANYON RD	PACIFIC COAST HWY	1500 FT N OF PACIFIC COAST HWY	1500	84	126000	2010	76	Satisfactory
1592	MALIBU CANYON RD	1500 FT N OF PACIFIC COAST HWY	CIVIC CENTER WAY	260	75	19500	2010	76	Satisfactory
1600	MALIBU CANYON RD	CIVIC CENTER WAY	1000 FT N OF CIVIC CENTER WAY	1000	50	50000	2010	76	Satisfactory
1602	MALIBU CANYON RD	1000 FT N OF CIVIC CENTER WAY	MALIBU KNOLLS RD	562	50	28100	2010	93	Good
1610	MALIBU CANYON RD	MALIBU KNOLLS RD	94 FT N OF MALIBU KNOLLS RD	94	30	2820	2010	76	Satisfactory
1620	MALIBU CANYON RD	94 FT N OF MALIBU KNOLLS RD	HARBOR VISTA DR	1154	40	46160	2010	76	Satisfactory
1630	MALIBU CANYON RD	HARBOR VISTA DR	MALIBU CREST DR	451	50	22550	2010	76	Satisfactory
1640	MALIBU CANYON RD	MALIBU CREST DR	POTTER RD	332	37	12284	2010	96	Good
1650	MALIBU CANYON RD	POTTER RD	CITY LIMIT	729	37	26973	2010	76	Satisfactory
1660	MALIBU CREST DR	MALIBU CANYON RD	DEAD END	713	25	17825	2020	98	Good

2021 - SECTIONS WITH PCI > 75

Section ID	Report_Branch.Name	From	To	Length (in ft)	Width (in ft)	Section Area (in sqft)	Last Work Year	2021 PCI	2021 PCI Rating
1700	MALIBU KNOLLS RD	MALIBU CANYON RD	COAST VIEW DR	427	25	10675	2020	98	Good
1710	MALIBU KNOLLS RD	COAST VIEW DR	DEAD END	234	25	5850	2020	98	Good
1720	COAST VIEW DR	DEAD END	MALIBU KNOLLS RD	995	25	24875	2020	98	Good
1730	CIVIC CENTER WAY	MALIBU CANYON RD	WINTER CANYON RD	1094	48	52512	2021	100	Good
1740	CIVIC CENTER WAY	WINTER CANYON RD	VISTA PACIFICA ST	332	48	15936	2021	100	Good
1750	CIVIC CENTER WAY	VISTA PACIFICA ST	1500 FT E OF VISTA PACIFICA ST	1500	40	60000	2021	100	Good
1752	CIVIC CENTER WAY	1500 FT E OF VISTA PACIFICA ST	WEBB WAY	809	32	25888	2021	100	Good
1760	CIVIC CENTER WAY	WEBB WAY	LA PAZ LN	1222	66	80652	2021	100	Good
1770	CIVIC CENTER WAY	LA PAZ LN	CROSS CREEK RD	628	66	41448	2021	100	Good
1790	WEBB WAY	MALIBU RD	PACIFIC COAST HWY	308	36	11088	2021	100	Good
1800	WEBB WAY	PACIFIC COAST HWY	CIVIC CENTER WAY	428	48	20544	2021	100	Good
1820	VISTA PACIFICA ST	CIVIC CENTER WAY	DE VILLE WAY	169	40	6760	2021	100	Good
1830	VISTA PACIFICA ST	DE VILLE WAY	DEAD END	89	40	3560	2021	100	Good
1840	DE VILLE WAY	VISTA PACIFICA ST	DEAD END	674	40	26960	2020	98	Good
1900	RAMBLA VISTA	VILLA COSTERA	PASEO SERRA ST	495	26	12870	1999	92	Good
1910	RAMBLA VISTA	PASEO SERRA ST	RAMBLA ORIENTA ST	928	26	24128	1999	92	Good
1920	RAMBLA VISTA	RAMBLA ORIENTA ST	PASEO PORTOLA ST	588	26	15288	2000	92	Good
1930	RAMBLA VISTA	PASEO PORTOLA ST	PACIFIC COAST HWY	1369	26	35594	1998	92	Good
1950	PASEO PORTOLA ST	DEAD END	RAMBLA VISTA	447	24	10728	2018	94	Good
1960	RAMBLA ORIENTA ST	RAMBLA VISTA	PASEO HIDALGO ST	724	26	18824	2018	94	Good
1970	PASEO HIDALGO ST	RAMBLA ORIENTA ST	CALLE DEL BARCO	80	24	1920	2018	94	Good
1980	PASEO HIDALGO ST	CALLE DEL BARCO	DEAD END	340	24	8160	2000	93	Good
1990	CALLE DEL BARCO	DEAD END	PASEO HIDALGO ST	881	26	22906	2018	94	Good
2010	RAMBLA PACIFICO ST	PACIFIC COAST HWY	1247 FT N OF PACIFIC COAST HWY	1247	26	32422	2021	100	Good
2040	RAMBLA PACIFICO ST	SUMAC RIDGE RD	1173 FT N OF SUMAC RIDGE RD	1173	26	30498	2021	100	Good
2050	RAMBLA PACIFICO ST	1173 FT N OF SUMAC RIDGE RD	2336 FT N OF SUMAC RIDGE RD	1163	26	30238	2021	100	Good
2060	RAMBLA PACIFICO ST	2336 FT N OF SUMAC RIDGE RD	CITY LIMIT	353	26	9178	2021	100	Good
2180	SEABOARD RD	ROCA CHICA DR	BIG ROCK DR	385	36	13860	2018	94	Good