

MTC P-TAP Round 24

**Pavement Management System Update
Data Collection &
Quality Management Report**

March 17, 2024

Submit to:

Metropolitan Transportation Commission
&
Town of Woodside
Public Works Department



Adhara Systems, Inc.
675 N. First St. Suite 725
San Jose, CA 95112
(408) 441-0340

Table of Contents

1 Executive Summary	1
2 Project Purpose	2
3 Network Description	2
4 Inventory Review and Update	4
5 Survey.....	5
6 Analysis and Quality Assurance / Quality Control.....	6
7 Results	7
8 Comments	9

APPENDIX	PCI Legend
APPENDIX A	Inventory Update
APPENDIX B	Network Summary Statistics
APPENDIX C	Section PCI Report
APPENDIX D	PCI Calculation Summary
APPENDIX E	Survey Methodology
APPENDIX F	Presentations in GIS view
	F1 – Network Functional Class
	F2 – Current PCI Condition (Section-by-Section)
APPENDIX G	PCI Breakpoints
APPENDIX H	Unmanaged Section Listing
APPENDIX I	PCI Data (Still Creek Road)

1 Executive Summary

Metropolitan Transportation Commission (“MTC”) has contracted with Adhara Systems, Inc. (“ADHARA”) for its Pavement Management Technical Assistance Program (P-TAP) Round 24 and assigned ADHARA to the Town of Woodside, California (“TOWN”) for its Pavement Management Systems Update Project (“PROJECT”) in 2023. TOWN uses StreetSaver Online Pavement Management Program (“PMP”) software developed by MTC.

In general, the Project consists of:

- 1) obtaining and updating information on attributes changes of the sections in TOWN’s road network,
- 2) performing a pavement condition survey,
- 3) performing quality control following Quality Assurance (“QA”) / Quality Control (“QC”) plan,
- 4) updating TOWN’s existing StreetSaver Online PMS database with the distress information collected in the inspection, and
- 5) reviewing TOWN’s treatment scenario with unit cost and determining impacts of funding levels on TOWN’s roadway network.

Additionally, the work scope includes updating StreetSaver GIS Tool if it is available. Work scope items 1) to 4) is described in this document. Work scope item 5) is described in a separate document titled “Budget Options Report”.

TOWN manages 184 sections, 47.30 centerline miles (95.52 lane miles, 5.60 million ft²) of road network. Between January 2021 and December 2023, TOWN maintained 39 sections, 0.84 million ft² (15.0% of total network area).

Through the PROJECT, a total of 49.72 lane miles (12.5 feet wide) were evaluated for 47.30 centerline miles of TOWN’s managed network between September 2023 and October 2023. Total sampled and evaluated area was 3.28 million ft² for total inventory area of 5.60 million ft². Resulted sampling rate was 58.6%. Sections received M&R between September 2021 and August 2023 are excluded from the final inspection units uploading file.

TOWN’s pavement conditions have resulted in a current weighted network average Pavement Condition Index (“PCI”) of 75 as of February 20, 2024. This PCI rating places the TOWN’s street network condition in “VERY GOOD” ($70 \leq \text{PCI} < 90$) category.

2 Project Purpose

The purpose of this project is to update TOWN’s PMS database for 2023. This report presents the results of the pavement survey of work scope, including an overall PCI evaluation on the entire network, a section-by-section current PCI rating, and a discrepancy list on the surveyed section attributes such as start/end locations, width, length, and areas. All budget-related issues are excluded from this report and prepared separately in the Budget Options Report.

ADHARA conducted the pavement condition survey using its automated condition survey approach, combining a vehicle-driven, computerized data collection system for detecting crack distresses and visual observation for detecting non-crack pavement distresses. Appendix E describes the details of ADHARA’s methodology.

The survey was scheduled and conducted between September 2023 and October 2023. After QA/QC on the survey and corrections on the section inventory, ADHARA entered the collected inspection units into TOWN’s PMS database to evaluate the network condition.

3 Network Description

TOWN’s managed network consists of 47.30 centerline miles, 95.52 lane miles, 5.60 million ft^2 of street (622.3 thousand yd^2), or 184 pavement sections. Appendix B shows the current road network summary.

Table 1 and Figure 1 summarize the network inventory by functional classes. The network breakdown is as follows:

Functional class	No. of Sections	Centerline Miles	Lane Miles	Area (1,000,000 ft ²)	Area (1,000 yd ²)	% of area (Weighted)
Arterial	18	4.17	8.35	0.64	71.1	11.4%
Collector	16	7.27	15.06	1.10	122.5	19.7%
Residential	149	35.60	71.58	3.83	425.9	68.4%
Other	1	0.26	0.53	0.03	2.8	0.4%
TOTAL	184	47.30	95.52	5.60	622.3	100.0%

Table 1. Summary of TOWN's road network

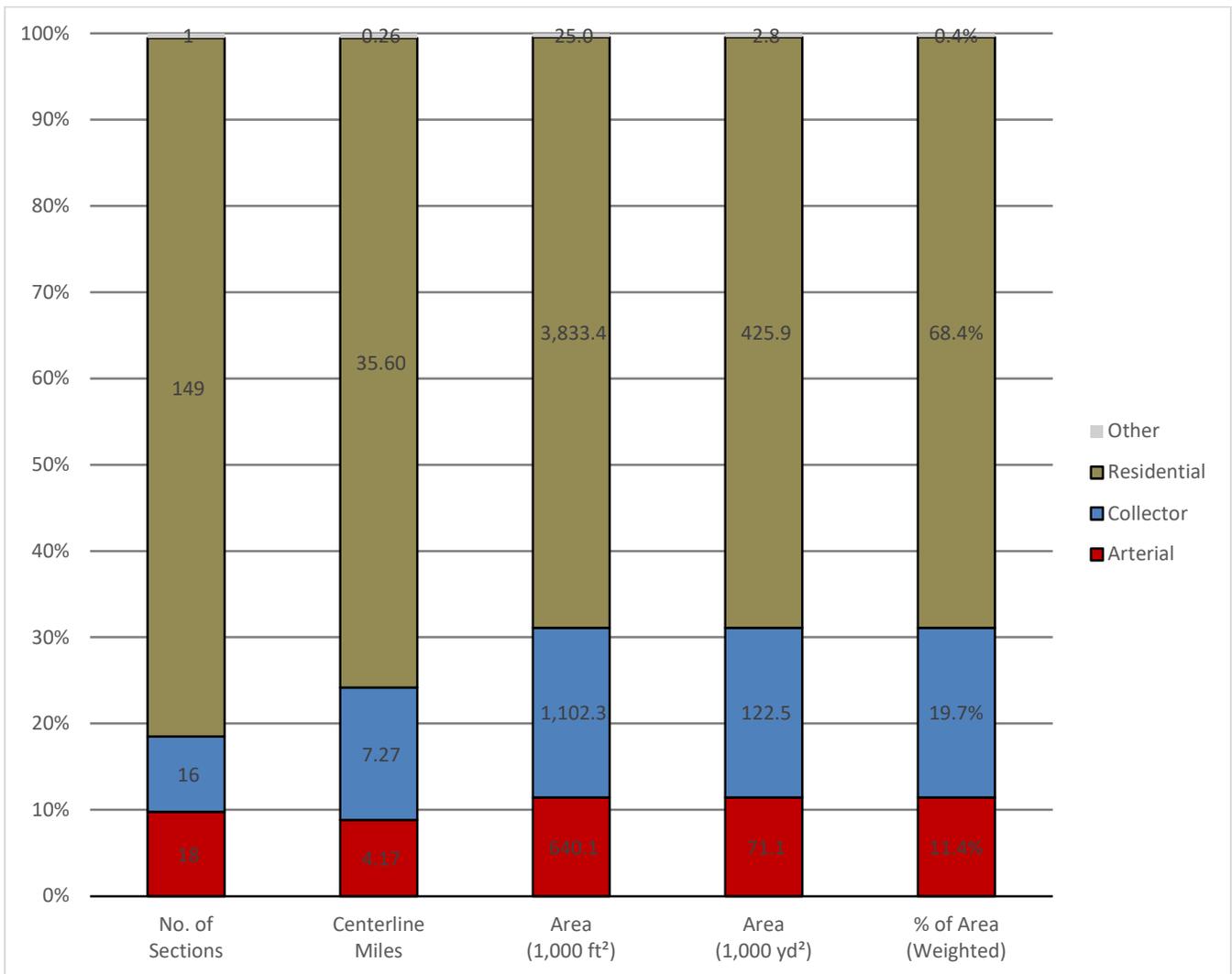


Figure 1. Inventory information

4 Inventory Review and Update

The standard ADHARA inventory review and update are conducted in four tasks. The list of inventory changes made during the project is in Appendix A, and Appendix F1 shows the most recent Network Functional Class.

4.1 The first inventory review task method is measurement of sections. ADHARA reviews pavement inventory that can detect measurement errors in width, length, area, and the number of lanes of pavement sections in a simple manner.

The first step of this review is to detect incorrect width and the number of lanes of sections. In general, the relationship between the number of lanes and the width of a section can be explained in the following equation.

$$9 \text{ ft.} < \text{Average Lane Width of a Section (i.e., Width / Number of lanes)} < 20 \text{ ft.}$$

ADHARA calculated the average lane width of sections in the work scope and reviewed sections with abnormal lane width.

The second step for review of measurement sections is to detect incorrect length, width, and area of sections. ADHARA utilizes the ratio between a section area and a product of the section length and width. It is common that the product of the width and length of a section does not fit to the section area as sections are, in many cases, not in a rectangular shape and have various widths. For example, a cul-de-sac section normally has a ratio that is smaller than one due to a bulb area. An example of an area ratio bigger than one is a section that has either decorative blocks or PCC parts inside, which are subtracted from the area measurement. Considering those factors, ADHARA establishes the following allowable ratio range and identifies the sections that are outside of the range.

$$0.6 < \text{Length} \times \text{Width} / \text{Section Area} < 1.4$$

ADHARA calculated the allowable ratio range for all inventory sections in PROJECT. ADHARA reviewed the sections flagged by this process.

4.2 The second inventory task is done during field work planning. Since ADHARA utilizes a customized vehicle in surveying pavement conditions, it is essential to make safe and efficient driving plans. In planning survey routes, ADHARA utilizes various resources such as developed GIS layer,

Microsoft, and Google map services to compare the Section Description (“SD”) in the PMS to the resources. This comparison helped the inventory review.

4.3 The third inventory review task is to generate another discrepancy list, summarizing the findings from the field work. ADHARA’s survey method collects both distresses on the pavement and digital distance measurements, surveyed length, from the start to the end of each section. ADHARA compared the surveyed length to the section length in PMS and looked for abnormal section length discrepancies for the surveyed sections.

4.4 The last inventory review involves examining the Functional Class of each pavement section. If there is any discrepancy, ADHARA provides the current Functional Class in GIS and reviews with TOWN.

5 Survey

ADHARA generated a work scope list for the entire road network of the TOWN. The final list of sections surveyed for this project is summarized in Table 2.

Functional Class	No. of surveyed sections	Sum of sampled area (1000 ft ²)	Sum of network section area for work scope (1000 ft ²)	sampling rate (%)
Arterial	18	289	640	45.2%
Collector	16	500	1,102	45.3%
Residential	149	2,462	3,833	64.2%
Other	1	20	25	79.9%
Total	184	3,271	5,601	58.4%

Table 2. Project work scope

ADHARA conducted the pavement condition survey between September 2023 and October 2023. All sections in the work scope list were surveyed using ADHARA’s automated survey method. During the survey, ADHARA’s automated survey system captured pavement images, which were analyzed to detect crack-related distresses of pavement sections. In the project, approximately 58.6% of the work

scope area was evaluated. The analysis results were merged with non-crack-related distresses collected in the field to generate inspection units list for StreetSaver. Subsequently, the collected pavement distress type, extent, and severity were entered into StreetSaver Online to calculate the PCI for each pavement section surveyed. Excluding sections which received M&R between September 2021 and August 2023, 145 sections were updated.

6 Analysis and Quality Assurance / Quality Control

ADHARA performed an in-depth analysis of the PCI calculation results. The detailed description of this analysis is explained in the next section. ADHARA followed up the analysis by conducting QA and QC tasks through section-by-section comparisons between the previous and updated PCI values.

The main criteria of the QA and QC tasks were any sections with sharp decline or increment of PCI from the last known PCI. The images captured during the survey were utilized to review these sections and led the in-depth study to conclude that the new PCIs are correct. The PCI calculation summary for the surveyed sections is presented in Appendix D.

Another QA/QC step is that ADHARA re-inspects more than 5% of the total number of management sections in the survey scope by someone different from the initial inspector to ensure consistency among inspections and compliance with MTC's QA/QC requirements as follows:

- 50 % or more must have a difference within plus or minus 5 PCI points.
- No more than 12 % can have a difference greater than plus or minus 15 PCI points.

For the re-inspection, 16 sections (i.e., 8.7 % of 184 sections in the work scope) were randomly selected and evaluated. The result was 13 sections (81.3% of 16 sections) had a PCI difference within plus or minus 5 PCI points, thus meeting the first criteria. 1 section (6.3 % of 16 sections) had a PCI difference greater than plus or minus 15 PCI points, thus also meeting the second criteria.

In addition, ADHARA reviewed the sections in which the surveyed PCI differed by more than 15 PCI points from the projected PCI value using collected images.

7 Results

PCI is updated and reviewed in two ways. The first is when there are certain M&R activities and/or inspection data entered. In this case, the PCI value is valid only for the sections in which M&R activities and/or inspection data are entered on that specific date. The second is more comprehensive in that it not only calculates PCI for the sections with recent M&R and/or inspection data, but also projects PCI based on deterioration curves for the sections where no recent M&R and/or inspection data are entered. In this case, the calculation date is important, as it provides the base to calculate the “current” PCI. The PCI evaluation results shown in this section describe the output through the latter method.

The current weighted average PCI of TOWN’s network is 75 as of February 20, 2024.

Table 3 shows the weighted average PCI of TOWN’s network by functional class. A section-by-section Current PCI listing as of February 20, 2024, is presented in Appendix C, as well as Appendix F2 in GIS map. Appendix B presents the Network Summary Statistics.

Functional Class	No. of Sections	Weighted Average PCI	Centerline Miles	Area (1,000 ft ²)	Area (1,000 yd ²)	% of Area (Weighted)
Arterial	18	77	4.17	640.1	71.1	11.4%
Collector	16	79	7.27	1,102.3	122.5	19.7%
Residential	149	74	35.60	3,833.4	425.9	68.4%
Other	1	57	0.26	25.0	2.8	0.4%
Total/Average	184	75	47.30	5,600.8	622.3	100.0%

Table 3. Weighted PCI average by functional class

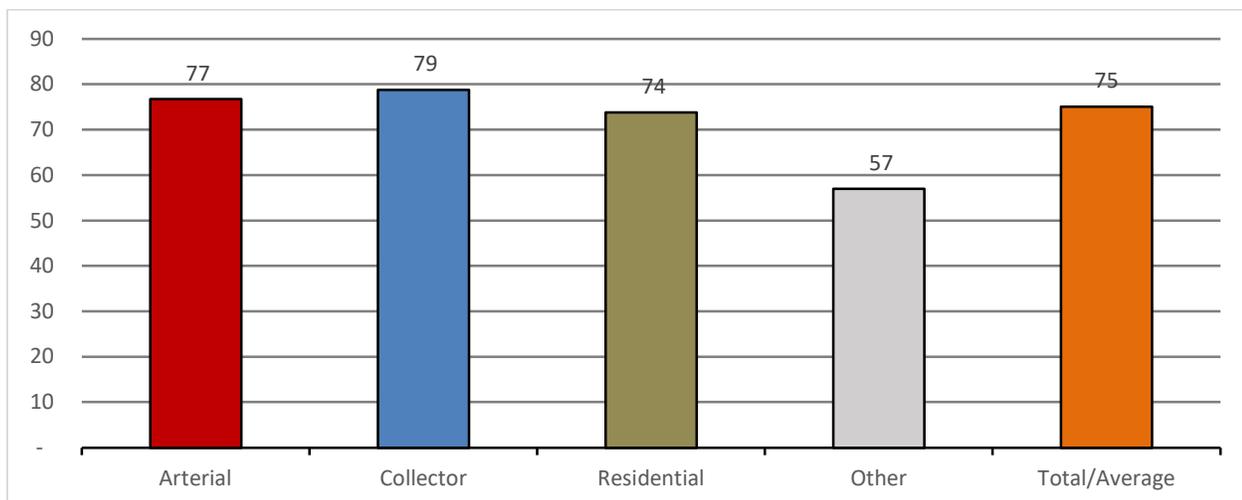


Figure 2. Weighted PCI average by functional class

The following table and figure show TOWN’s network statistics in terms of the PCI rating categories. The PCI rating categories are from those of StreetSaver Online 2023.

PCI Ratings	No. of Sections	Centerline Miles	Area (1,000 ft ²)	Area (1,000 yd ²)	% (Area)
Very Good (70<=PCI)	131	34.0	4,081	453.4	72.9%
Good (50<=PCI<70)	47	12.5	1,423	158.1	25.4%
Poor (25<=PCI<50)	6	0.8	97	10.8	1.7%
Very Poor (PCI<25)	-	-	-	-	-
Total	184	47.3	5,601	622.3	100.0%

Table 4. PCI rating categories for the entire network

As the illustration shows, the conditions of 131 out of 184 sections, 72.9% in area, are categorized as “Very Good” and 6 sections, 1.7% in area, are in “Poor” condition.

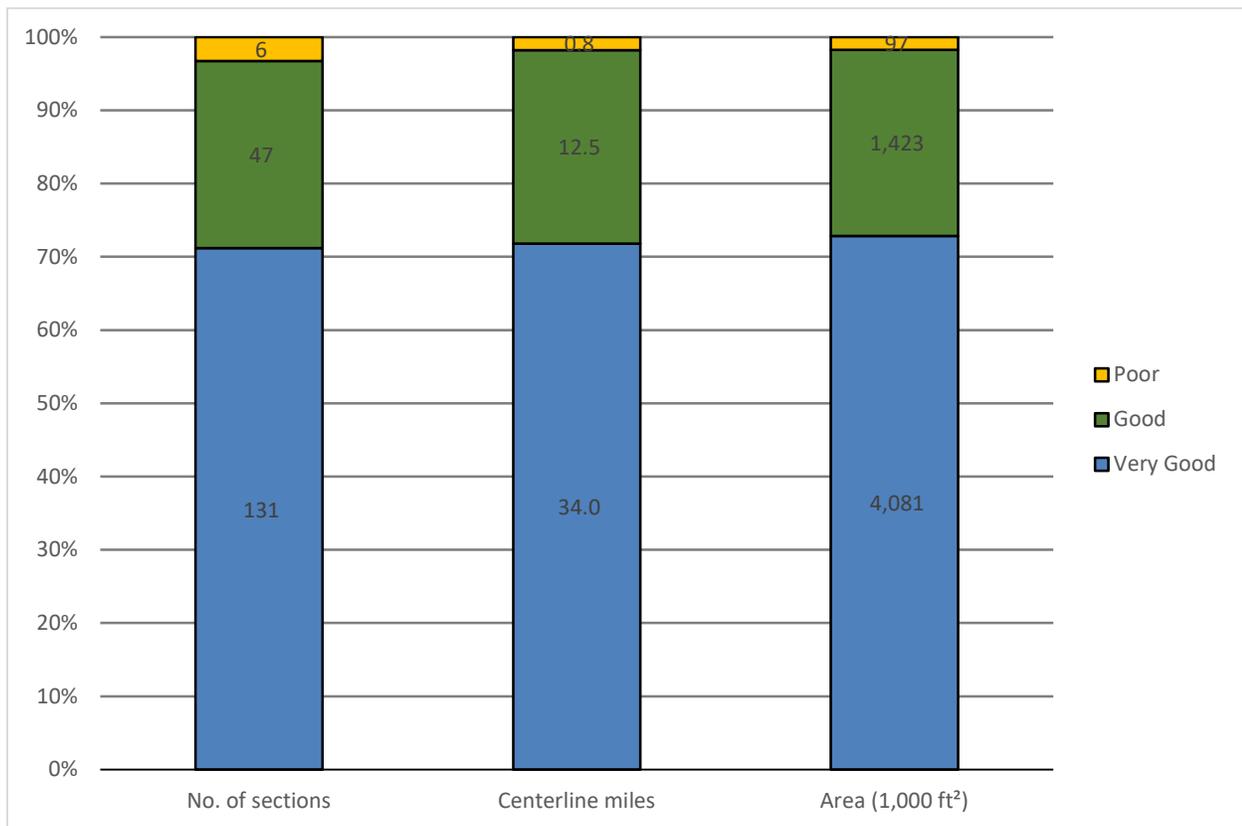


Figure 3. PCI rating categories for the entire network

8 Comments

TOWN updated M&R between 2021 and 2023 to StreetSaver database. PCI has been shown to be decreasing by one point in 2023 compared to 2022. the system projected the weighted average network PCI of 75 in February 2024

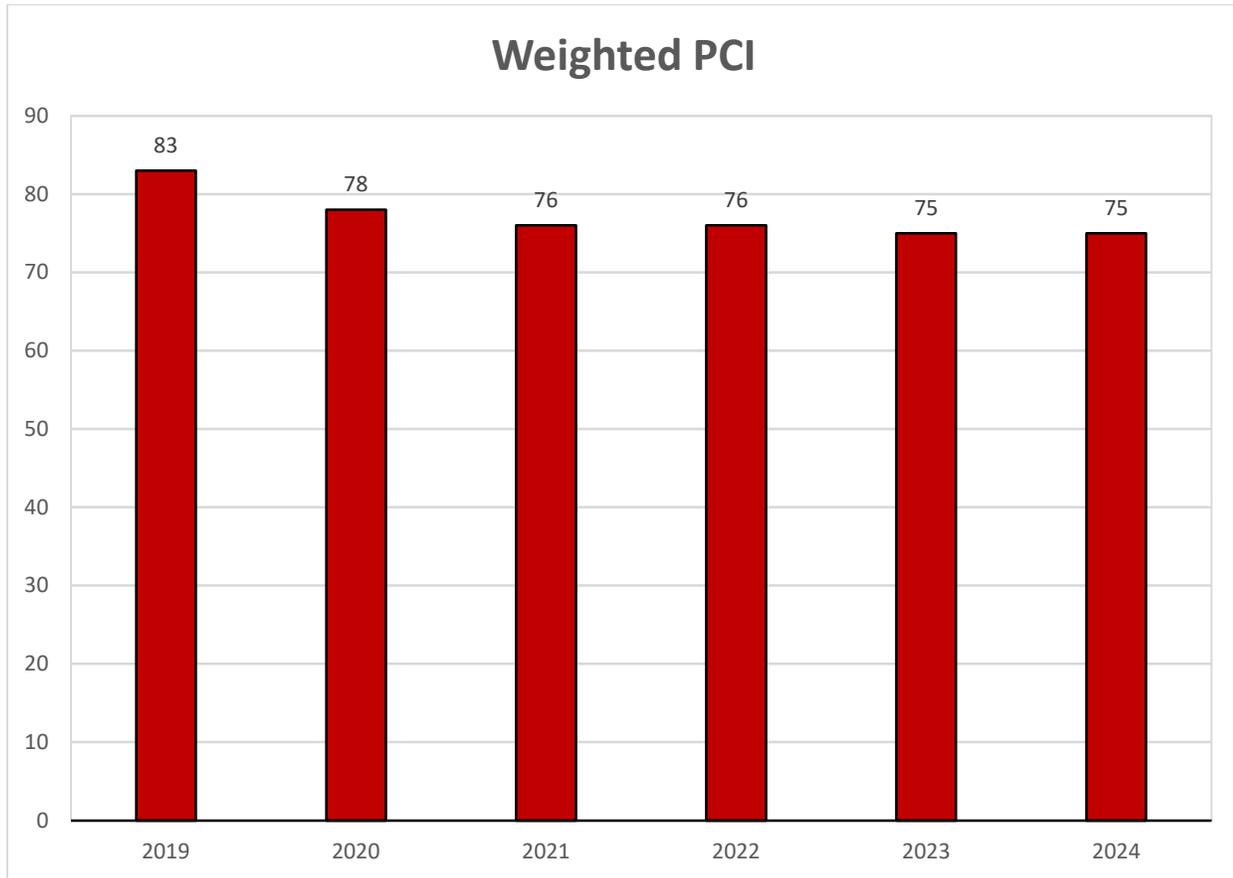


Figure 4. Historical Pavement Condition Trends

Appendix

PCI LEGEND

STSECID :	Street Identification & Street Section Identification
ST_ID :	Street Identification
SEC_ID :	Street Section Identification
ST_NAME :	Street Name
Beg_Loc :	BEGIN LOCATION - Start of the management section
End_Loc :	END LOCATION - End of the management section
FC :	FUNCTIONAL CLASS - This is a group of streets or roadway subsystems that are classified pending on the level of service and traffic. A - Arterial C - Collector R – Residential/Local O – Other (user defined)
LEN :	LENGTH - Length of management section
Width_RD :	Width of management section
Area_Sec :	Area of management section
Sur_Type :	SURFACE TYPE – Area of management section A – Asphalt Concrete C – Asphalt Concrete / PCC(PORTLAND CEMENT CONCRETE) O – Asphalt Concrete / Asphalt Concrete - P – PCC(PORTLAND CEMENT CONCRETE)
LAST M&R TREATMENT :	Recent treatment (maintenance or rehabilitation)
M&R DATE :	date of most recent treatment

Appendix A: Inventory Update

STSECID	ST_ID	SEC_ID	ST_Name	Before Project								After Project								Changes
				Beg_Loc	End_Loc	Lanes	FC	LEN	Width_RD	Area_Sec	Sur_Type	Beg_Loc	End_Loc	Lanes	FC	LEN	Width_RD	Area_Sec	Sur_Type	
25396398	253963	98	Brookwood Road	Hardwick Road E 1474	Woodside	4	R	68	20	1360	A	Hardwick Road E 1474	Woodside	4	R	68	40	2720	A	Width_RD
25397290	253972	90	Crest Road	Cinnabar Road (intersection)	Crest Road (intersection)	4	R	44	20	880	A	Cinnabar Road (intersection)	Crest Road (intersection)	4	R	44	40	1760	A	Width_RD
25397291	253972	91	Crest Road	Cragmont Way E 1787	Ridgeway Road	4	R	86	22	1892	A	Cragmont Way E 1787	Ridgeway Road	4	R	86	44	3784	A	Width_RD
25416184	254161	84	Croydon Way	S End N 348	Ridgeway Road	4	R	70	17	1190	A	S End N 348	Ridgeway Road	4	R	70	34	2380	A	Width_RD
25143957	251439	57	Easy View Way	West California Way	Boundry	2	R	1119	25	27975	A	West California Way	Boundry	2	R	1248	25	31200	A	LEN
253929115B	253929	115B	Eleanor Dr.	Stockbridge	Northgate Lane	2	R	6546	23	150558	O	Stockbridge	Northgate Drive	2	R	5869	23	134987	O	LEN
25398194	253981	94	Hardwick Road	Woodside N 110	Woodside	4	R	110	20	2200	A	Woodside N 110	Woodside	4	R	110	40	4400	A	Width_RD
253370137	253370	137	Hidden Valley Lane	Farm Road	End	2	R	2275	20	45500	A	Farm Road	End	2	R	2275	20	45500	A	GIS
251468121	251468	121	Jefferson Ave.	Canada	Godetia Dr.	2	R	2500	25	62500	O	Canada	Godetia Dr.	2	R	2325	25	58125	O	LEN
25428681	254286	81	Kenmore Way	Woodside N 77	Woodside	4	R	77	18	1386	A	Woodside N 77	Woodside	4	R	77	36	2772	A	Width_RD
17141116	17141	116	Lakeview Dr.	Eleanor Dr.	End	2	R	642	15	9630	A	Eleanor Dr.	End	2	R	642	20	12840	A	Width_RD
25430493	254304	93	Lynn Way	Woodside	S End N 706	4	R	108	19	2052	O	Woodside	S End N 706	4	R	108	38	4104	O	Width_RD
25147844	251478	44	Monticello Ct.	Canada	End	2	R	310	16	4960	O	Canada	End	2	R	310	28	8680	O	Width_RD
254801154	254801	154	Mountain Home Road	Cedar Lane N 450	Woodside Road	2	A	166	30	4980	A	Cedar Lane	Woodside Road	2	A	418	30	12540	A	LEN
254801155	254801	155	Mountain Home Road	Manzanita Way	Cedar Lane N 450	2	A	2166	25	54150	A	Manzanita Way	Cedar Lane	2	A	1671	25	41775	A	LEN
254801156	254801	156	Mountain Home Road	Mountain Home Court	Manzanita Way	2	A	1280	25	32000	O	Mountain Home Court	Manzanita Way	2	A	772	25	19300	O	LEN
254801157B	254801	157B	Mountain Home Road	Roberta Dr	Mountain Wood Ln	2	A	550	25	13750	O	Roberta Dr	Mountain Wood Ln	2	A	682	25	17050	O	LEN
25438277	254382	77	Northridge Lane	Woodside	Woodside N 80	4	R	80	21	1680	O	Woodside	Woodside N 80	4	R	80	42	3360	O	Width_RD
25393774	253937	74	Oakford Road	Woodside	Woodside N 68	2	R	68	20	1360	O	Woodside	Woodside N 68	2	R	68	40	2720	O	Width_RD
25393775	253937	75	Oakford Road	Woodside N 68	End	2	R	734	16	11744	O	Woodside N 68	End	2	R	734	20	14680	O	Width_RD
252243110	252243	110	Old La Honda Road	Upunef	Martinez	2	R	1727	14	24178	A	Upunef	Martinez	2	R	1599	14	22386	A	LEN
25163636	251636	36	Otis Ave.	Otis Ave. (S. End)	Glenwood Ave.	2	R	2094	11	23034	O	Otis Ave. (S. End)	Glenwood Ave.	2	R	1263	11	13893	O	LEN
251722134	251722	134	Portola Road	La Honda	Sand Hill N 78	2	C	4280	26	111280	A	La Honda	Sand Hill N 78	2	C	4280	26	111280	A	GIS
251722135	251722	135	Portola Road	Sand Hill N 78	Sand Hill	3	C	78	78	6084	A	Sand Hill N 78	Sand Hill	3	C	78	78	6084	A	GIS
25397482	253974	82	Ridgeway Road	Woodside	Croydon Way E 441	4	R	82	21	1722	A	Woodside	Croydon Way E 441	4	R	82	40	3280	A	Width_RD
254277101	254277	101	Sheridan Way	S End N 599	Woodside	4	R	118	18	2124	A	S End N 599	Woodside	4	R	118	36	4248	A	Width_RD
165165	165	165	Still Creek Road	Sunrise Dr.	No Trespass	2	R	150	22	3300	A	Sunrise Dr.	No Trespass	2	NC R	150	22	3300	A	FC
165165B	165	165B	Still Creek Road	-	-	-	-	-	-	-	-	No Trespass	End	2	NC R	1900	22	41800	A	Section Added
25440972	254409	72	Summerhill Lane	Northridge Lane	End	2	R	748	24	17952	O	Northridge Lane E63	End	2	R	748	24	17952	O	Beg_Loc
25440973	254409	73	Summerhill Lane	Northridge Lane	Northridge Lane E 63	2	R	63	16	1008	O	Northridge Lane	Northridge Lane E 63	2	R	63	32	2016	O	Width_RD
30480335	304803	35	Toyon Ct.	Glenwood Ave.	Toyon Ct. (End)	2	R	177	27	4779	A	Glenwood Ave.	Toyon Ct. (End)	2	R	285	27	7695	A	LEN
282092154	2820921	54	Tum Suden Way	California Way	Boundry	2	O	1391	11	15301	O	California Way	Boundry	2	O	1391	18	25038	O	Width_RD
254617142	254617	142	Whiskey Hill Road	Sand Hill N 7229	Woodside	3	C	71	99	7029	A	Sand Hill N 7229	Woodside	3	C	71	72	5112	A	Width_RD
25393865	253938	65	Woodside Dr.	High Road	Wildwood Way N 262	2	R	6974	19	132506	A	High Road	Wildwood Way N 262	2	R	5652	19	107388	A	LEN
25393867	253938	67	Woodside Dr.	Wildwood Way N 556	Maybury Pl.	2	R	2223	19	42237	A	Wildwood Way N 556	Maybury Pl.	2	R	1807	19	34333	A	LEN
25393868	253938	68	Woodside Dr.	Maybury Pl.	Fernside	2	R	385	48	18480	A	Maybury Pl.	Fernside	2	R	831	48	39888	A	LEN

Appendix B: Network Summary Statistics

Network Summary Statistics

Printed: 2/20/2024

	Total Sections	Total Center Miles	Total Lane Miles	Total Area (sq. ft.)	PCI
Arterial	18	4.17	8.35	640,071	77
Collector	16	7.27	15.06	1,102,254	79
Residential/Local	149	35.60	71.58	3,833,443	74
Other	1	0.26	0.53	25,038	57
Total	184	47.30	95.52	5,600,806	
Overall Network PCI as of 2/20/2024:					75

**** Combined Sections are excluded from totals. These Sections do not have a PCI Date - they have not been inspected or had a Treatment applied.**

Appendix C: Section PCI Report

Section PCI/RSL Listing

Printed: 2/20/2024

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
ALDPG	010	Alameda de las Pulgas	FERNSIDE ST	STATE ROUTE 84 HIGHWAY	898	32	28,736	A - Arterial	A - AC	83	22.33
253928	13	Albion Ave.	Olive Hill Lane	End	1,261	20	25,220	R - Residential/Local	O - AC/AC	82	33.75
253928	14	Albion Ave.	Manuella Ave.	Olive Hill Road	2,684	20	53,680	R - Residential/Local	O - AC/AC	66	17.99
253928	16	Albion Ave.	Woodside	Manuella Ave.	2,274	20	45,480	R - Residential/Local	O - AC/AC	79	28.56
251561	38	Alta Mesa Road	Highland Terr.	Hillside	1,607	15	24,105	R - Residential/Local	A - AC	79	26.17
213946	26	Alta Vista Road	Canada	Alta Vista (End)	692	18	12,456	R - Residential/Local	A - AC	83	31.76
254073	27	Arbor Ct.	Canada	Arbor Ct (End)	390	22	10,543	R - Residential/Local	A - AC	64	15.22
254975	15	Audiffread Lane	Miramontes Road	End	313	29	9,087	R - Residential/Local	O - AC/AC	63	19.02
251692	24	Bardet Road	Canada	Bardet Road (End)	565	13	7,345	R - Residential/Local	O - AC/AC	65	19.07
254279	79	Barrett Dr.	Woodside	End	477	20	12,367	R - Residential/Local	A - AC	79	23.23
254890	143	Blueridge Lane	Mountain Home Road	End	857	20	20,159	R - Residential/Local	O - AC/AC	83	34.63
253919	145	Bridle Lane	Woodside	End	468	24	11,443	R - Residential/Local	A - AC	58	14.04
253963	96	Brookwood Road	End	W End E 662	622	21	14,871	R - Residential/Local	A - AC	83	31.35
253963	97	Brookwood Road	W End E 622	Hardwick Road	92	26	2,392	R - Residential/Local	A - AC	70	18.16
253963	98	Brookwood Road	Hardwick Road E 1474	Woodside	68	40	2,720	R - Residential/Local	A - AC	84	33.67
253963	99	Brookwood Road	Hardwick Road	Hardwick Road E 1474	1,474	19	28,006	R - Residential/Local	O - AC/AC	81	29.51
2820766	59	California Way	West California Way	Town Boundry	239	14	3,346	R - Residential/Local	A - AC	58	14.50
254820	31	Canada Lane	Our Hill	Woodside	141	21	2,961	R - Residential/Local	O - AC/AC	70	22.18
254820	32	Canada Lane	Our Hill N 90	Woodside	1,064	22	23,408	R - Residential/Local	A - AC	80	22.85
2526	130	Canada Road	Jefferson Ave.	Palm Circle Road	1,337	32	42,784	A - Arterial	O - AC/AC	80	23.41
2526	131	Canada Road	Runnymede Road	Jefferson	2,423	40	96,920	A - Arterial	A - AC	76	15.45
2526	149	Canada Road	Mission Trail Road	Runnymede Road	2,209	34	75,106	A - Arterial	O - AC/AC	72	17.67
2526	150	Canada Road	Arbor Ct.	Mission Trail Road	1,059	35	37,065	A - Arterial	A - AC	56	8.66
2526	151	Canada Road	Glenwood Ave.	Arbor Ct.	598	36	21,528	A - Arterial	A - AC	59	9.78
2526	152	Canada Road	Woodside N 48	Glenwood Ave.	2,868	33	94,644	A - Arterial	A - AC	58	9.44
2526	153	Canada Road	Woodside	Woodside N 48	48	51	2,448	A - Arterial	A - AC	83	23.47
254811	112	Cedar Lane	Mountain Home Road	End	646	32	23,135	R - Residential/Local	A - AC	84	31.09
254275	146	Churchill Ave.	Woodside	End	460	39	17,940	R - Residential/Local	O - AC/AC	92	37.06
253970	86	Cinnabar Road	Ridgeway Road	End	1,157	19	25,404	R - Residential/Local	A - AC	68	18.76
254219	89	Cragmont Way	Crest Road	End	650	20	15,642	R - Residential/Local	O - AC/AC	83	35.33
253972	88	Crest Road	Cinnabar Road E 44	Cragmont Way E 1787	2,598	20	51,960	R - Residential/Local	A - AC	64	17.57
253972	90	Crest Road	Cinnabar Road (intersection)	Crest Road (intersection)	44	40	1,760	R - Residential/Local	A - AC	81	25.46
253972	91	Crest Road	Cragmont Way E 1787	Ridgeway Road	86	44	3,784	R - Residential/Local	A - AC	89	39.84
254161	83	Croydon Way	End	S End N 348	348	18	6,264	R - Residential/Local	A - AC	81	29.73

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
254161	84	Croydon Way	S End N 348	Ridgeway Road	70	34	2,380	R - Residential/Local	A - AC	86	35.78
254683	34	Dean Road	Canada	Dean Road (End)	926	21	21,255	R - Residential/Local	A - AC	53	11.17
254565	106	Dry Creek Lane	Olive Hill Lane	End	539	20	13,070	R - Residential/Local	O - AC/AC	75	23.80
251439	57	Easy View Way	West California Way	Boundry	1,248	25	31,200	R - Residential/Local	A - AC	47	8.21
253929	115A	Eleanor Dr.	Northgate Drive	Stockbridge	425	23	9,775	R - Residential/Local	A - AC	53	10.04
253929	115B	Eleanor Dr.	Stockbridge	Northgate Drive	5,869	23	134,987	R - Residential/Local	O - AC/AC	68	19.97
255250	3	Entrance Way	Patrol	Kings Mountain Road	472	21	9,912	C - Collector	O - AC/AC	81	25.12
254070	43	Eucalyptus Ct.	Canada	End	333	21	6,993	R - Residential/Local	O - AC/AC	71	22.40
254274	117	Eugenia Lane	Eleanor Dr.	End	315	23	7,245	R - Residential/Local	A - AC	56	11.42
282968	230	Farm Hill Blvd.	Hwy 280	575 ft. East of 280	575	81	46,575	C - Collector	O - AC/AC	93	29.68
282968	231	Farm Hill Blvd.	575 ft. East of 280	Town Limits	632	81	51,192	C - Collector	A - AC	68	11.73
252887	129	Farm Road	Woodview Lane	End	3,812	24	91,488	R - Residential/Local	O - AC/AC	92	37.06
252887	138	Farm Road	Portola Valley	Woodview Lane	79	30	2,370	R - Residential/Local	O - AC/AC	52	11.22
253940	167	Fernside	Woodside	Harcross	878	37	32,486	R - Residential/Local	O - AC/AC	81	25.02
254970	108	Fox Hollow Road	Woodside	End	1,788	24	45,035	R - Residential/Local	A - AC	68	20.33
253703	161	Friars Lane	La Honda	End	482	19	10,292	R - Residential/Local	O - AC/AC	42	6.27
251431	46	Glencrag Way	Jefferson Ave.	West California Way	4,244	16	67,904	R - Residential/Local	A - AC	58	13.74
234001	120	Glenwood Ave.	Canada Ln.	Hillsdale	2,277	22	50,094	R - Residential/Local	A - AC	74	22.90
234001	140	Glenwood Ave.	Hillsdale	End	786	22	17,292	R - Residential/Local	A - AC	51	9.56
251527	48	Godetia Dr.	Canada	Jefferson Ave.	2,598	15	38,970	R - Residential/Local	A - AC	91	35.69
115253	600	Greenways Dr.	Alameda De Las Pulgas	Cul-de-sac	1,100	20	22,000	R - Residential/Local	O - AC/AC	48	10.26
253996	6	Greer Road	Kings Mountain Road	End	1,787	13	23,231	R - Residential/Local	O - AC/AC	83	32.53
254665	20	Haciendas Dr.	Woodside	End	998	24	24,419	R - Residential/Local	A - AC	65	17.00
253945	76	Harcross Road	Fernside	End	2,983	15	44,745	R - Residential/Local	O - AC/AC	83	31.67
253981	94	Hardwick Road	Woodside N 110	Woodside	110	40	4,400	R - Residential/Local	A - AC	71	22.29
253981	95	Hardwick Road	Woodside N 110	End	2,542	19	48,298	R - Residential/Local	A - AC	79	23.27
253370	137	Hidden Valley Lane	Farm Road	End	2,275	20	45,500	R - Residential/Local	A - AC	81	24.16
253939	61	High Road	Woodside	Woodside	1,196	23	34,684	R - Residential/Local	O - AC/AC	95	38.14
251406	39	Highland Terr.	Alta Mesa Road	Alta Mesa Road	1,927	16	30,832	R - Residential/Local	A - AC	81	22.77
302140	118	Hillside Ct.	Eleanor Dr.	End	374	20	7,480	R - Residential/Local	A - AC	35	3.39
264578	40	Hillside Dr.	Glenwood Ave.	Alta Mesa Road	3,061	11	33,671	R - Residential/Local	O - AC/AC	69	22.39
264578	41	Hillside Dr.	Glenwood Ave.	Alta Mesa Road	554	18	9,972	R - Residential/Local	O - AC/AC	85	34.51
254053	29	Jane Dr.	Laning Dr.	Gate	1,865	26	48,490	R - Residential/Local	O - AC/AC	77	25.32
251468	120	Jefferson Ave.	Godetia Dr.	Town Boundry	961	25	24,025	R - Residential/Local	O - AC/AC	81	30.38
251468	121	Jefferson Ave.	Canada	Godetia Dr.	2,325	25	58,125	R - Residential/Local	O - AC/AC	81	29.49
254286	80	Kenmore Way	Woodside N 77	End	481	19	9,139	R - Residential/Local	A - AC	74	24.78

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
254286	81	Kenmore Way	Woodside N 77	Woodside	77	36	2,772	R - Residential/Local	A - AC	86	36.14
253922	122	Kings Mountain Road	Huddart Park E2310	Entrance	4,498	19	85,462	C - Collector	O - AC/AC	83	23.98
253922	123	Kings Mountain Road	Huddart Park	Huddart Park E2310	2,310	21	48,510	C - Collector	A - AC	83	19.25
253922	166A	Kings Mountain Road	Woodside	Manuella	1,600	25	40,000	C - Collector	O - AC/AC	84	24.48
253922	166B	Kings Mountain Road	Manuella	Tripp Road	2,165	25	54,125	C - Collector	O - AC/AC	83	26.41
253922	2	Kings Mountain Road	Tripp Road	Entrance	867	21	18,207	C - Collector	O - AC/AC	84	28.49
254669	33	La Questa Way	Canada	La Questa Way (End)	1,360	19	27,803	R - Residential/Local	O - AC/AC	70	21.63
17141	116	Lakeview Dr.	Eleanor Dr.	End	642	20	12,840	R - Residential/Local	A - AC	64	17.21
254077	28	Laning Dr.	Canada	Laning Dr. (End)	2,233	26	60,700	R - Residential/Local	O - AC/AC	72	25.76
254540	18	Lindenbrook Ct.	Lindenbrook Road	End	690	24	16,627	R - Residential/Local	O - AC/AC	32	2.69
254539	19	Lindenbrook Road	Woodside	End	1,107	30	33,210	R - Residential/Local	O - AC/AC	78	25.07
254304	92	Lynn Way	S End N 706	End	706	20	14,120	R - Residential/Local	O - AC/AC	84	32.74
254304	93	Lynn Way	Woodside	S End N 706	108	38	4,104	R - Residential/Local	O - AC/AC	80	27.68
253918	10	Manuella Ave.	Kings Mountain Road	Albion	2,270	16	36,320	R - Residential/Local	O - AC/AC	73	22.37
254640	124	Manzanita Way	Sand Hill	Sand Hill N1284	1,284	17	21,828	R - Residential/Local	O - AC/AC	92	37.06
254640	125	Manzanita Way	Sand Hill N1284	Sand Hill N2855	1,571	17	26,707	R - Residential/Local	O - AC/AC	92	37.06
254640	126	Manzanita Way	Sand Hill N 2855	Sand Hill N 4543	1,688	16	27,008	R - Residential/Local	O - AC/AC	92	37.06
254640	127A	Manzanita Way	Sand Hill N 4543	House #202	538	18	9,684	R - Residential/Local	O - AC/AC	49	10.58
254640	127B	Manzanita Way	Sand Hill N 4543	Mountain Home Road	2,112	18	38,016	R - Residential/Local	O - AC/AC	74	22.66
1215088	55	Maple Way	East View Way	Glencrag Way	1,768	15	26,520	R - Residential/Local	A - AC	57	13.68
115252	602	Marion Dr.	Ward Wy	End	200	21	4,200	R - Residential/Local	O - AC/AC	53	12.43
255033	107	Martin Lane	Woodside	End	544	29	18,418	R - Residential/Local	O - AC/AC	82	34.03
253998	103	Marva Oaks Dr.	Raymundo Dr.	End	586	17	12,981	R - Residential/Local	A - AC	84	33.01
253950	70	Maybury Pl.	Woodside	End	373	22	8,206	R - Residential/Local	A - AC	76	26.29
251421	49A	Midglen Way	Jefferson Ave	Southdale	275	16	4,400	R - Residential/Local	O - AC/AC	77	26.88
251421	49B	Midglen Way	Southdale	Barricade	546	16	8,736	R - Residential/Local	O - AC/AC	83	34.82
254974	23	Miramontes Road	Manuella Ave.	Woodside	2,400	25	60,000	R - Residential/Local	A - AC	61	14.74
251478	44	Monticello Ct.	Canada	End	310	28	8,680	R - Residential/Local	O - AC/AC	83	35.31
253921	113	Moore Raod	Woodside	No Trespass	660	25	16,500	R - Residential/Local	A - AC	53	10.95
254801	154	Mountain Home Road	Cedar Lane	Woodside Road	418	30	12,540	A - Arterial	A - AC	86	22.11
254801	155	Mountain Home Road	Manzanita Way	Cedar Lane	1,671	25	41,775	A - Arterial	A - AC	86	27.72
254801	156	Mountain Home Road	Mountain Home Court	Manzanita Way	772	25	19,300	A - Arterial	O - AC/AC	92	28.85
254801	157A	Mountain Home Road	Winding Way	Roberta Dr	1,351	25	33,775	A - Arterial	O - AC/AC	92	28.85
254801	157B	Mountain Home Road	Roberta Dr	Mountain Wood Ln	682	25	17,050	A - Arterial	O - AC/AC	85	25.48
254801	157C	Mountain Home Road	Mountain Wood Ln	Mountain Home Ct	500	25	12,500	A - Arterial	O - AC/AC	82	21.66
254801	158	Mountain Home Road	Vineyard Hill Road	Winding Way	2,724	20	54,480	A - Arterial	O - AC/AC	92	28.85

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
254801	159A	Mountain Home Road	Portola Road	House #1200	650	20	13,000	A - Arterial	O - AC/AC	88	29.92
254801	159B	Mountain Home Road	House #1200	Vintage Ct	550	20	11,000	A - Arterial	O - AC/AC	91	33.12
254801	159C	Mountain Home Road	Vintage Ct	Vineyard Hill Road	1,271	20	25,420	A - Arterial	O - AC/AC	92	28.85
111269	69	Normandy Lane	Woodside Dr.	End	826	17	14,042	R - Residential/Local	A - AC	84	28.58
111312	147	Northgate Dr.	Woodside	Eleanor Dr.	851	22	18,722	R - Residential/Local	A - AC	65	18.71
254382	71	Northridge Lane	Woodside N 80	End	1,181	19	22,439	R - Residential/Local	O - AC/AC	62	15.60
254382	77	Northridge Lane	Woodside	Woodside N 80	80	42	3,360	R - Residential/Local	O - AC/AC	82	28.09
253937	74	Oakford Road	Woodside	Woodside N 68	68	40	2,720	R - Residential/Local	O - AC/AC	90	39.04
253937	75	Oakford Road	Woodside N 68	End	734	20	14,680	R - Residential/Local	O - AC/AC	87	33.58
254295	62	Oakheaven Way	S End	S End N 147	147	12	1,764	R - Residential/Local	A - AC	83	28.68
254295	63	Oakheaven Way	S End N 147	S End N 941	794	20	15,880	R - Residential/Local	A - AC	78	21.23
254295	64	Oakheaven Way	S End 941	Woodside	134	21	5,628	R - Residential/Local	A - AC	79	23.23
252243	110	Old La Honda Road	Upunef	Martinez	1,599	14	22,386	R - Residential/Local	A - AC	82	32.19
252243	211	Old La Honda Road	600 ft. East of Skyline	Upunef	2,371	24	56,904	R - Residential/Local	A - AC	83	33.73
252243	220	Old La Honda Road	Martinez	Orchard Hill Rd	3,210	22	70,620	R - Residential/Local	O - AC/AC	77	28.93
252243	221A	Old La Honda Road	Orchard Hill Rd	Upper Lake Rd	2,612	17	44,404	R - Residential/Local	O - AC/AC	77	29.00
252243	221B	Old La Honda Road	Upper Lake Rd	Meadow Rd	2,640	17	44,880	R - Residential/Local	O - AC/AC	81	33.33
252243	221C	Old La Honda Road	Meadow Rd	Portola Road	4,884	17	83,028	R - Residential/Local	O - AC/AC	68	21.74
253924	105	Olive Hill Lane	Canada	Albion Ave.	2,032	20	40,640	R - Residential/Local	A - AC	81	24.20
251636	36	Otis Ave.	Otis Ave. (S. End)	Glenwood Ave.	1,263	11	13,893	R - Residential/Local	O - AC/AC	63	18.31
251469	45	Palm Circle Road	Canada	End	480	15	7,200	R - Residential/Local	O - AC/AC	84	32.24
255255	5	Patrol Ct.	Patrol	End	466	27	12,380	R - Residential/Local	O - AC/AC	78	30.42
255153	4	Patrol Road	End	Summit Springs Road	5,656	20	113,120	C - Collector	A - AC	70	11.05
255446	12	Pinto Way	Roan Place	End	283	20	5,660	R - Residential/Local	O - AC/AC	83	33.34
251722	134	Portola Road	La Honda	Sand Hill N 78	4,280	26	111,280	C - Collector	A - AC	78	13.30
251722	135	Portola Road	Sand Hill N 78	Sand Hill	78	78	6,084	C - Collector	A - AC	74	14.54
251722	136	Portola Road	Town Boundry	Family Farm Drive (North)	4,192	34	142,528	C - Collector	A - AC	82	18.49
254837	17	Prospect St.	Albion Ave.	End	415	20	8,300	R - Residential/Local	O - AC/AC	83	34.81
1322	21	Quail Meadows Ct.	Quail Meadows Drive	End	431	40	17,136	R - Residential/Local	O - AC/AC	83	33.71
254595	22	Quail Meadows Dr.	Woodside	End	1,382	25	34,550	R - Residential/Local	O - AC/AC	61	16.96
253726	164	Ranch Road	Gate	Skywood pl.	2,318	23	53,314	R - Residential/Local	O - AC/AC	81	32.26
254147	30	Ravine Dr.	Laning Dr.	Jane Dr.	840	26	21,840	R - Residential/Local	A - AC	51	10.01
253989	104	Raymundo Dr.	Runnymede Road	End	3,891	19	75,892	R - Residential/Local	O - AC/AC	77	27.73
251542	37	Ridge Ct.	Glenwood Ave.	Ridge Ct. (End)	345	18	6,210	R - Residential/Local	O - AC/AC	69	20.05
253974	82	Ridgeway Road	Woodside	Croydon Way E 441	82	40	3,280	R - Residential/Local	A - AC	84	33.66
253974	85	Ridgeway Road	Cinnabar Road E 90	Cinnabar Road	90	20	1,800	R - Residential/Local	A - AC	84	34.38

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
253974	87	Ridgeway Road	Cinnabar Road E 90	Croydon Way E 441	3,503	19	66,557	R - Residential/Local	A - AC	84	35.12
255170	11	Roan Pl.	Patrol	End	1,591	23	36,593	R - Residential/Local	A - AC	53	10.97
251461	58	Rocky Way	East View Way	End	760	13	9,880	R - Residential/Local	O - AC/AC	74	22.82
254004	102	Runnymede Road	Canada	Raymundo Dr.	3,568	25	89,200	R - Residential/Local	A - AC	56	12.54
254277	100	Sheridan Way	S End N 599	End	599	19	11,381	R - Residential/Local	A - AC	66	18.79
254277	101	Sheridan Way	S End N 599	Woodside	118	36	4,248	R - Residential/Local	A - AC	81	22.82
162	162A	Skywood Pl.	La Honda	Sunrise	350	24	8,400	R - Residential/Local	O - AC/AC	86	38.30
162	162B	Skywood Pl.	Sunrise	End	2,356	24	56,544	R - Residential/Local	A - AC	69	17.84
251410	50A	Southdale Way	Midglen Way	Woodside Way	750	12	9,000	R - Residential/Local	O - AC/AC	78	28.32
251410	50B	Southdale Way	Woodside Way	West Glen Way	1,248	12	14,976	R - Residential/Local	O - AC/AC	83	31.28
111588	114	Southgate	Woodside	Elenor Dr.	431	20	8,620	R - Residential/Local	A - AC	61	13.70
253736	163	Stadler Dr.	End N	End S	3,192	20	65,502	R - Residential/Local	A - AC	74	18.75
165	165	Still Creek Road	Sunrise Dr.	No Trespass	150	22	3,300	NCR - Proposed; Private; Non-County	A - AC	87	32.34
165	165B	Still Creek Road	No Trespass	End	1,900	22	41,800	NCR - Proposed; Private; Non-County	A - AC	0	0.00
254441	200	Stockbridge Ave.	Eleanor Dr.	900 ft. East of Eleanor Dr.	900	22	19,800	R - Residential/Local	O - AC/AC	93	48.07
254441	201	Stockbridge Ave.	900 ft. East of Eleanor Dr.	Alameda De Las Pulgas	1,750	22	38,500	R - Residential/Local	O - AC/AC	93	46.28
254409	72	Summerhill Lane	Northridge Lane E63	End	748	24	17,952	R - Residential/Local	O - AC/AC	78	24.73
254409	73	Summerhill Lane	Northridge Lane	Northridge Lane E 63	63	32	2,016	R - Residential/Local	O - AC/AC	65	17.42
255198	9	Summit Springs Road	Tripp Road	End	3,736	26	97,136	C - Collector	O - AC/AC	78	23.15
253699	160	Sunrise Dr.	Skywood Pl.	End	1,558	20	33,623	R - Residential/Local	O - AC/AC	73	21.65
254278	60	Todo El Mundo	High Road	End	544	23	12,512	R - Residential/Local	A - AC	78	28.61
304803	35	Toyon Ct.	Glenwood Ave.	Toyon Ct. (End)	285	27	7,695	R - Residential/Local	A - AC	59	13.01
253285	133	Trail Lane	Hidden Valley Lane	End N	912	22	22,527	R - Residential/Local	A - AC	73	23.73
253931	7	Tripp Road	Kings Mountain Road	Woodside	4,289	20	85,780	R - Residential/Local	A - AC	79	29.37
253931	8	Tripp Road	Woodside	Woodside	144	48	6,912	R - Residential/Local	O - AC/AC	92	37.06
2820921	54	Tum Suden Way	California Way	Boundry	1,391	18	25,038	O - Other	O - AC/AC	57	13.21
254906	144	Vineyard Hill Road	Mountain Home Road	End	654	22	17,030	R - Residential/Local	O - AC/AC	72	26.07
115251	601	Ward Way	Alameda De Las Pulgas	Cul-de-sac	1,000	21	21,000	R - Residential/Local	A - AC	60	13.26
251413	202	West California Way	Jefferson Ave.	1992 ft. NW of Jefferson Ave.	1,605	19	30,495	R - Residential/Local	A - AC	62	16.41
251413	203	West California Way	1992 ft. NW of Jefferson Ave.	Town Boundry	1,992	19	37,848	R - Residential/Local	A - AC	74	23.28
251412	53	West Glen Way	West California Way	Glencrag Way	2,831	16	45,296	R - Residential/Local	A - AC	76	26.08
253	56	West Maple Way	Maple Way	East View Way	2,098	15	31,470	R - Residential/Local	A - AC	67	16.20
254617	140	Whiskey Hill Road	Sand Hill	Sand Hill N 213	213	63	13,419	C - Collector	A - AC	79	14.00

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
254617	141	Whiskey Hill Road	Sand Hill N 213	Sand Hill n 7229	7,016	37	259,592	C - Collector	A - AC	77	14.78
254617	142	Whiskey Hill Road	Sand Hill N 7229	Woodside	71	72	5,112	C - Collector	A - AC	74	14.40
254247	78	Wildwood Way	Woodside Dr.	End	940	16	15,040	R - Residential/Local	A - AC	63	17.05
121353	128	Winding Way	Mountain Home Road	Manzanita Way	2,284	12	27,408	R - Residential/Local	O - AC/AC	81	27.26
253938	65	Woodside Dr.	High Road	Wildwood Way N 262	5,652	19	107,388	R - Residential/Local	A - AC	78	24.58
253938	66	Woodside Dr.	Wildwood Way N 262	Wildwood Way N 556	294	21	6,174	R - Residential/Local	A - AC	77	25.00
253938	67	Woodside Dr.	Wildwood Way N 556	Maybury Pl.	1,807	19	34,333	R - Residential/Local	A - AC	73	21.24
253938	68	Woodside Dr.	Maybury Pl.	Fernside	831	48	39,888	R - Residential/Local	A - AC	72	20.05
3016699	52	Woodside Way	Southdale Way	Glencrag Way	1,619	16	25,904	R - Residential/Local	A - AC	52	11.04
252326	132	Woodview Lane	Farm Road	End	1,490	20	32,263	R - Residential/Local	A - AC	81	30.01
251422	51	Yosemite Ct.	Southdale Way	End	221	11	2,431	R - Residential/Local	O - AC/AC	83	30.98

Total Section Length:	251,790
Total Section Area:	5,645,906

Appendix D: PCI Calculation Summary

Street ID	Section ID	Street Name	Begin Location	End Location	PCI Date	Last Calculated PCI	PCI After	PCI High	PCI Low	Pct Load	Pct Envr	Pct Other
111312	147	Northgate Dr.	Woodside	Eleanor Dr.	9/8/2023	74	66	81	49	55.37	44.63	0.00
111588	114	Southgate	Woodside	Elenor Dr.	9/8/2023	80	62	82	54	59.56	35.55	4.89
115251	601	Ward Way	Alameda De Las Pulgas	Cul-de-sac	9/8/2023	80	61	80	52	52.92	44.69	2.40
115252	602	Marion Dr.	Ward Wy	End	9/8/2023	69	54	54	54	84.33	15.67	0.00
115253	600	Greenways Dr.	Alameda De Las Pulgas	Cul-de-sac	9/8/2023	55	49	65	22	64.74	26.01	9.25
121353	128	Winding Way	Mountain Home Road	Manzanita Way	9/6/2023	83	82	85	78	35.37	64.63	0.00
1215088	55	Maple Way	East View Way	Glencrag Way	9/8/2023	54	58	65	49	79.35	20.65	0.00
1322	21	Quail Meadows Ct.	Quail Meadows Drive	End	9/8/2023	93	84	86	83	0.00	100.00	0.00
162	162A	Skywood Pl.	La Honda	Sunrise	9/6/2023	93	86	86	86	0.00	100.00	0.00
162	162B	Skywood Pl.	Sunrise	End	9/6/2023	86	70	81	43	79.31	20.18	0.51
165	165	Still Creek Road	Sunrise Dr.	No Trespass	9/6/2023	93	77	81	75	51.59	48.41	0.00
17141	116	Lakeview Dr.	Eleanor Dr.	End	9/8/2023	93	65	75	52	60.14	37.98	1.89
234001	120	Glenwood Ave.	Canada Ln.	Hillsdale	9/8/2023	82	75	85	62	62.98	37.02	0.00
234001	140	Glenwood Ave.	Hillsdale	End	9/8/2023	87	52	75	35	78.08	21.92	0.00
251406	39	Highland Terr.	Alta Mesa Road	Alta Mesa Road	9/8/2023	86	82	86	80	15.10	84.90	0.00
251410	50A	Southdale Way	Midglen Way	Woodside Way	9/8/2023	82	79	81	78	11.22	88.78	0.00
251410	50B	Southdale Way	Woodside Way	West Glen Way	9/8/2023	93	84	85	83	0.00	100.00	0.00
251412	53	West Glen Way	West California Way	Glencrag Way	9/8/2023	86	77	97	69	48.85	51.15	0.00
251413	202	West California Way	Jefferson Ave.	1992 ft. NW of Jefferson Ave.	9/8/2023	55	63	85	30	69.92	30.08	0.00
251413	203	West California Way	1992 ft. NW of Jefferson Ave.	Town Boundry	9/8/2023	62	75	83	60	44.37	55.63	0.00
251421	49A	Midglen Way	Jefferson Ave	Southdale	9/8/2023	79	78	78	78	0.00	100.00	0.00
251421	49B	Midglen Way	Southdale	Barricade	9/8/2023	87	84	84	84	0.00	100.00	0.00
251422	51	Yosemite Ct.	Southdale Way	End	9/8/2023	91	84	84	84	35.17	64.83	0.00
251431	46	Glencrag Way	Jefferson Ave.	West California Way	9/8/2023	60	59	71	39	69.18	30.82	0.00
251439	57	Easy View Way	West California Way	Boundry	9/8/2023	87	48	66	22	82.14	17.76	0.10
251461	58	Rocky Way	East View Way	End	9/8/2023	83	75	84	69	61.07	38.93	0.00
251468	120	Jefferson Ave.	Godetia Dr.	Town Boundry	9/8/2023	87	82	83	81	35.98	63.04	0.98
251468	121	Jefferson Ave.	Canada	Godetia Dr.	9/8/2023	84	82	93	79	25.10	74.90	0.00
251469	45	Palm Circle Road	Canada	End	9/6/2023	91	85	87	85	0.00	100.00	0.00
251478	44	Monticello Ct.	Canada	End	9/6/2023	95	84	84	84	0.00	100.00	0.00
251527	48	Godetia Dr.	Canada	Jefferson Ave.	9/8/2023	42	92	98	84	56.06	43.94	0.00
251542	37	Ridge Ct.	Glenwood Ave.	Ridge Ct. (End)	9/8/2023	72	70	71	70	42.76	57.24	0.00
251561	38	Alta Mesa Road	Highland Terr.	Hillside	9/8/2023	90	80	88	77	38.94	61.06	0.00
251722	134	Portola Road	La Honda	Sand Hill N 78	9/6/2023	92	79	87	66	50.63	49.37	0.00
251722	135	Portola Road	Sand Hill N 78	Sand Hill	9/6/2023	75	75	76	75	0.00	100.00	0.00
251722	136	Portola Road	Town Boundry	Family Farm Drive (North)	9/6/2023	89	83	93	79	0.00	100.00	0.00

Street ID	Section ID	Street Name	Begin Location	End Location	PCI Date	Last Calculated	PCI	PCI High	PCI Low	Pct Load	Pct Envr	Pct Other
						PCI	After					
252243	110	Old La Honda Road	Upunef	Martinez	9/6/2023	85	82	85	76	30.60	69.40	0.00
252243	211	Old La Honda Road	600 ft. East of Skyline	Upunef	9/6/2023	80	83	98	77	31.71	68.29	0.00
252243	220	Old La Honda Road	Martinez	Orchard Hill Rd	9/6/2023	89	78	85	56	59.98	40.02	0.00
252243	221A	Old La Honda Road	Orchard Hill Rd	Upper Lake Rd	9/6/2023	82	78	86	65	62.32	37.68	0.00
252243	221B	Old La Honda Road	Upper Lake Rd	Meadow Rd	9/6/2023	84	82	100	65	45.35	54.65	0.00
252243	221C	Old La Honda Road	Meadow Rd	Portola Road	9/6/2023	72	69	87	46	75.02	23.21	1.77
252326	132	Woodview Lane	Farm Road	End	9/6/2023	88	82	86	78	26.15	73.85	0.00
2526	130	Canada Road	Jefferson Ave.	Palm Circle Road	9/6/2023	89	81	86	78	32.25	67.75	0.00
2526	131	Canada Road	Runnymede Road	Jefferson	9/6/2023	86	77	91	67	12.58	87.42	0.00
2526	149	Canada Road	Mission Trail Road	Runnymede Road	9/6/2023	75	73	84	58	58.84	41.16	0.00
2526	150	Canada Road	Arbor Ct.	Mission Trail Road	9/6/2023	75	57	65	50	69.13	30.87	0.00
2526	151	Canada Road	Glenwood Ave.	Arbor Ct.	9/6/2023	76	60	64	57	60.20	39.80	0.00
2526	152	Canada Road	Woodside N 48	Glenwood Ave.	9/6/2023	75	59	74	46	69.25	30.75	0.00
2526	153	Canada Road	Woodside	Woodside N 48	9/6/2023	91	84	84	84	0.00	100.00	0.00
252887	138	Farm Road	Portola Valley	Woodview Lane	9/6/2023	80	53	53	53	76.93	23.07	0.00
253	56	West Maple Way	Maple Way	East View Way	9/8/2023	84	68	83	35	69.90	30.10	0.00
253285	133	Trail Lane	Hidden Valley Lane	End N	9/6/2023	80	74	85	57	54.50	42.30	3.22
253370	137	Hidden Valley Lane	Farm Road	End	9/6/2023	95	82	85	78	27.96	72.04	0.00
253699	160	Sunrise Dr.	Skywood Pl.	End	9/6/2023	76	74	81	68	34.52	64.79	0.72
253703	161	Friars Lane	La Honda	End	9/6/2023	62	43	49	37	76.01	23.99	0.00
253726	164	Ranch Road	Gate	Skywood pl.	9/6/2023	92	82	85	76	37.66	62.34	0.00
253736	163	Stadler Dr.	End N	End S	9/6/2023	86	75	83	57	63.55	34.81	1.64
253918	10	Manuella Ave.	Kings Mountain Road	Albion	9/8/2023	86	74	83	54	62.32	37.68	0.00
253919	145	Bridle Lane	Woodside	End	9/6/2023	64	59	77	38	77.67	22.33	0.00
253921	113	Moore Raod	Woodside	No Trespass	9/8/2023	95	54	61	50	35.43	63.51	1.07
253922	122	Kings Mountain Road	Huddart Park E2310	Entrance	9/8/2023	79	84	100	71	34.00	66.00	0.00
253922	123	Kings Mountain Road	Huddart Park	Huddart Park E2310	9/8/2023	73	84	91	80	8.81	91.19	0.00
253922	166A	Kings Mountain Road	Woodside	Manuella	9/8/2023	100	85	86	85	0.00	100.00	0.00
253922	166B	Kings Mountain Road	Manuella	Tripp Road	9/8/2023	83	84	87	81	3.99	96.01	0.00
253922	2	Kings Mountain Road	Tripp Road	Entrance	9/8/2023	94	85	88	85	0.00	100.00	0.00
253928	13	Albion Ave.	Olive Hill Lane	End	9/8/2023	89	83	85	81	20.66	75.60	3.74
253928	14	Albion Ave.	Manuella Ave.	Olive Hill Road	9/8/2023	72	67	79	62	57.65	42.35	0.00
253928	16	Albion Ave.	Woodside	Manuella Ave.	9/8/2023	72	80	85	62	39.14	60.86	0.00
253929	115A	Eleanor Dr.	Northgate Drive	Stockbridge	9/8/2023	59	54	67	47	57.82	42.18	0.00
253929	115B	Eleanor Dr.	Stockbridge	Northgate Drive	9/8/2023	82	69	95	47	62.08	37.92	0.00
253931	7	Tripp Road	Kings Mountain Road	Woodside	9/8/2023	81	80	100	35	81.08	18.92	0.00
253938	65	Woodside Dr.	High Road	Wildwood Way N 262	9/8/2023	81	79	93	43	55.38	44.62	0.00
253963	96	Brookwood Road	End	W End E 662	9/8/2023	89	84	85	83	0.00	100.00	0.00
253963	97	Brookwood Road	W End E 622	Hardwick Road	9/8/2023	84	71	71	71	36.07	63.93	0.00
253963	98	Brookwood Road	Hardwick Road E 1474	Woodside	9/8/2023	46	84	84	84	0.00	100.00	0.00
253963	99	Brookwood Road	Hardwick Road	Hardwick Road E 1474	9/8/2023	85	82	85	77	7.84	92.16	0.00
253970	86	Cinnabar Road	Ridgeway Road	End	9/8/2023	73	69	83	55	53.47	45.36	1.17
253972	88	Crest Road	Cinnabar Road E 44	Cragmont Way E 1787	9/8/2023	77	65	85	36	80.95	19.05	0.00
253972	90	Crest Road	Cinnabar Road (intersection)	Crest Road (intersection)	9/8/2023	95	82	82	82	0.00	100.00	0.00

Street ID	Section ID	Street Name	Begin Location	End Location	PCI Date	Last Calculated	PCI	PCI High	PCI Low	Pct Load	Pct Envr	Pct Other
						PCI	After					
253974	82	Ridgeway Road	Woodside	Croydon Way E 441	9/8/2023	48	84	84	84	0.00	100.00	0.00
253974	85	Ridgeway Road	Cinnabar Road E 90	Cinnabar Road	9/8/2023	51	84	84	84	0.00	100.00	0.00
253974	87	Ridgeway Road	Cinnabar Road E 90	Croydon Way E 441	9/8/2023	68	84	100	71	34.47	65.53	0.00
253981	94	Hardwick Road	Woodside N 110	Woodside	9/8/2023	65	72	84	63	56.49	43.51	0.00
253981	95	Hardwick Road	Woodside N 110	End	9/8/2023	87	80	88	68	44.47	35.80	19.72
253989	104	Raymundo Dr.	Runnymede Road	End	9/6/2023	90	78	85	55	47.73	52.27	0.00
253996	6	Greer Road	Kings Mountain Road	End	9/8/2023	95	84	87	83	0.00	100.00	0.00
253998	103	Marva Oaks Dr.	Raymundo Dr.	End	9/6/2023	35	85	91	77	73.96	26.04	0.00
254004	102	Runnymede Road	Canada	Raymundo Dr.	9/6/2023	66	57	76	52	43.96	56.04	0.00
254053	29	Jane Dr.	Laning Dr.	Gate	9/8/2023	86	78	84	66	46.50	53.50	0.00
254070	43	Eucalyptus Ct.	Canada	End	9/8/2023	86	72	80	52	66.80	33.20	0.00
254073	27	Arbor Ct.	Canada	Arbor Ct (End)	9/8/2023	82	65	86	57	65.92	32.90	1.18
254077	28	Laning Dr.	Canada	Laning Dr. (End)	9/8/2023	77	73	87	60	56.80	43.20	0.00
254147	30	Ravine Dr.	Laning Dr.	Jane Dr.	9/8/2023	96	52	69	43	63.26	36.74	0.00
254219	89	Cragmont Way	Crest Road	End	9/8/2023	95	84	85	83	0.00	100.00	0.00
254274	117	Eugenia Lane	Eleanor Dr.	End	9/8/2023	78	57	57	57	47.30	52.70	0.00
254277	100	Sheridan Way	S End N 599	End	9/8/2023	72	67	79	58	55.02	44.98	0.00
254278	60	Todo El Mundo	High Road	End	9/8/2023	52	78	81	76	17.34	82.66	0.00
254279	79	Barrett Dr.	Woodside	End	9/8/2023	92	80	84	78	44.66	52.66	2.69
254286	80	Kenmore Way	Woodside N 77	End	9/8/2023	75	75	76	75	53.91	46.09	0.00
254286	81	Kenmore Way	Woodside N 77	Woodside	9/8/2023	91	86	86	86	0.00	100.00	0.00
254295	62	Oakheaven Way	S End	S End N 147	9/8/2023	88	84	84	84	0.00	100.00	0.00
254295	63	Oakheaven Way	S End N 147	S End N 941	9/8/2023	96	79	83	72	29.52	68.84	1.65
254295	64	Oakheaven Way	S End 941	Woodside	9/8/2023	92	80	84	75	41.58	58.42	0.00
254304	92	Lynn Way	S End N 706	End	9/8/2023	94	85	86	85	0.00	100.00	0.00
254304	93	Lynn Way	Woodside	S End N 706	9/8/2023	95	81	84	80	0.00	65.06	34.94
254441	200	Stockbridge Ave.	Eleanor Dr.	900 ft. East of Eleanor Dr.	9/8/2023	86	94	95	93	0.00	100.00	0.00
254441	201	Stockbridge Ave.	900 ft. East of Eleanor Dr.	Alameda De Las Pulgas	9/8/2023	84	94	95	93	0.00	100.00	0.00
254539	19	Lindenbrook Road	Woodside	End	9/8/2023	88	79	85	69	0.00	100.00	0.00
254540	18	Lindenbrook Ct.	Lindenbrook Road	End	9/8/2023	81	33	52	23	80.76	19.24	0.00
254565	106	Dry Creek Lane	Olive Hill Lane	End	9/8/2023	77	76	80	72	41.16	58.84	0.00
254595	22	Quail Meadows Dr.	Woodside	End	9/8/2023	83	62	81	41	53.73	38.28	8.00
254617	140	Whiskey Hill Road	Sand Hill	Sand Hill N 213	9/6/2023	86	80	81	80	24.96	75.04	0.00
254617	141	Whiskey Hill Road	Sand Hill N 213	Sand Hill n 7229	9/6/2023	80	78	98	58	35.35	64.65	0.00
254617	142	Whiskey Hill Road	Sand Hill N 7229	Woodside	9/6/2023	79	75	82	64	57.65	42.35	0.00
254665	20	Haciendas Dr.	Woodside	End	9/8/2023	75	66	73	60	68.52	30.74	0.74
254669	33	La Questa Way	Canada	La Questa Way (End)	9/8/2023	75	71	82	47	59.16	40.84	0.00
254683	34	Dean Road	Canada	Dean Road (End)	9/8/2023	37	54	70	41	83.63	15.94	0.44
254801	154	Mountain Home Road	Cedar Lane	Woodside Road	9/6/2023	86	87	87	87	0.00	100.00	0.00
254801	155	Mountain Home Road	Manzanita Way	Cedar Lane	9/6/2023	91	87	93	87	0.00	100.00	0.00
254801	156	Mountain Home Road	Mountain Home Court	Manzanita Way	9/6/2023	100	95	95	95	0.00	100.00	0.00
254801	157A	Mountain Home Road	Winding Way	Roberta Dr	9/6/2023	100	95	95	95	0.00	100.00	0.00
254801	157B	Mountain Home Road	Roberta Dr	Mountain Wood Ln	9/6/2023	96	86	87	85	0.00	100.00	0.00
254801	157C	Mountain Home Road	Mountain Wood Ln	Mountain Home Ct	9/6/2023	100	83	88	79	70.67	29.33	0.00
254801	158	Mountain Home Road	Vineyard Hill Road	Winding Way	9/6/2023	100	95	95	95	0.00	100.00	0.00
254801	159A	Mountain Home Road	Portola Road	House #1200	9/6/2023	92	89	91	88	0.00	100.00	0.00

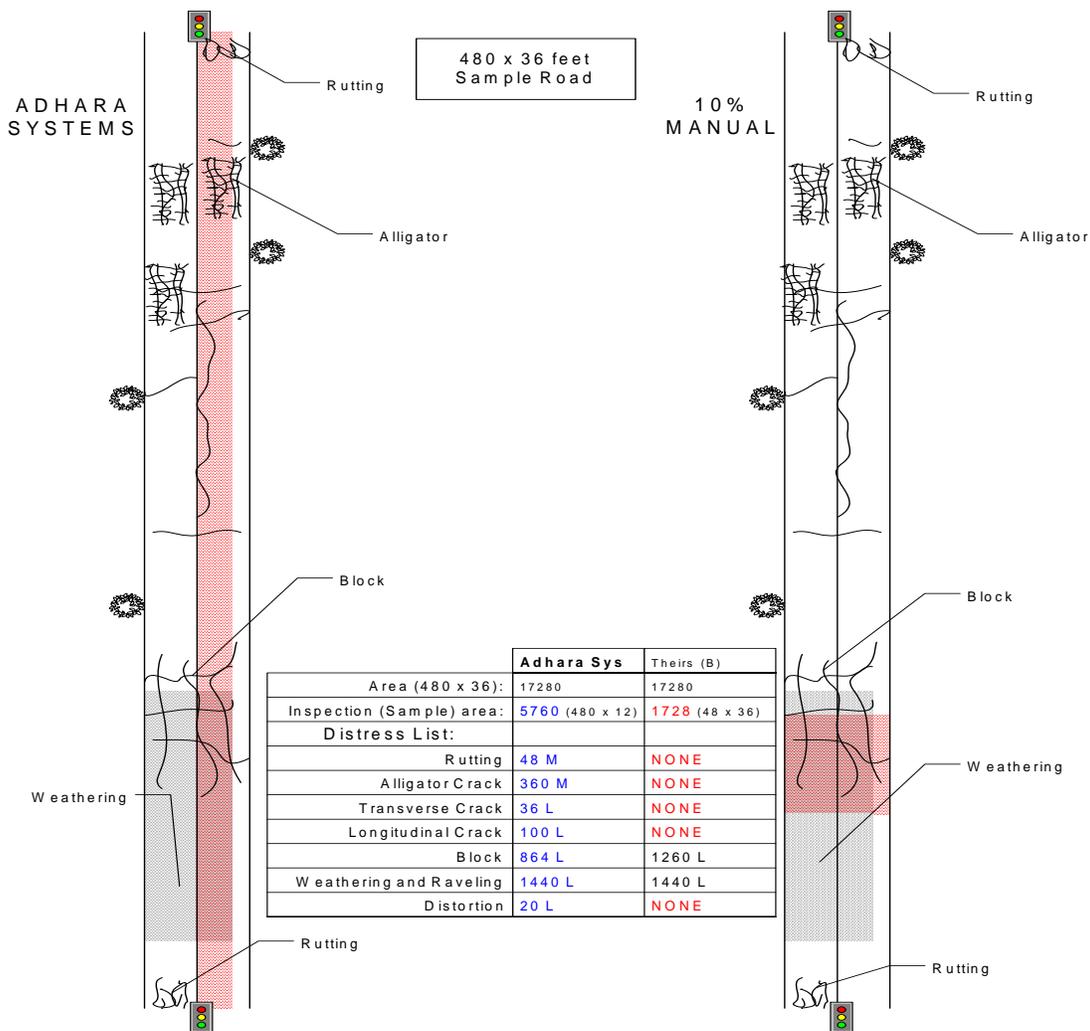
Street ID	Section ID	Street Name	Begin Location	End Location	PCI Date	Last Calculated	PCI	PCI High	PCI Low	Pct Load	Pct Envr	Pct Other
						PCI	After					
254801	159B	Mountain Home Road	House #1200	Vintage Ct	9/6/2023	100	92	95	92	16.00	84.00	0.00
254801	159C	Mountain Home Road	Vintage Ct	Vineyard Hill Road	9/6/2023	100	95	96	95	0.00	100.00	0.00
254811	112	Cedar Lane	Mountain Home Road	End	9/6/2023	88	85	85	85	0.00	100.00	0.00
254837	17	Prospect St.	Albion Ave.	End	9/8/2023	85	84	85	84	0.00	100.00	0.00
254890	143	Blueridge Lane	Mountain Home Road	End	9/6/2023	84	84	86	81	0.00	100.00	0.00
254906	144	Vineyard Hill Road	Mountain Home Road	End	9/6/2023	73	73	82	70	41.88	56.86	1.28
254975	15	Audiffread Lane	Miramontes Road	End	9/8/2023	78	64	64	64	63.91	36.09	0.00
255033	107	Martin Lane	Woodside	End	9/8/2023	93	83	84	83	0.00	100.00	0.00
255153	4	Patrol Road	End	Summit Springs Road	9/8/2023	85	71	87	49	59.19	39.52	1.29
255170	11	Roan Pl.	Patrol	End	9/8/2023	62	54	61	47	65.92	34.08	0.00
255198	9	Summit Springs Road	Tripp Road	End	9/8/2023	84	79	85	69	82.60	16.09	1.31
255250	3	Entrance Way	Patrol	Kings Mountain Road	9/8/2023	85	82	86	80	30.09	69.91	0.00
255255	5	Patrol Ct.	Patrol	End	9/8/2023	85	79	84	74	38.98	61.02	0.00
255446	12	Pinto Way	Roan Place	End	9/8/2023	95	84	84	84	0.00	100.00	0.00
264578	40	Hillside Dr.	Glenwood Ave.	Alta Mesa Road	9/8/2023	68	70	88	29	70.48	29.52	0.00
264578	41	Hillside Dr.	Glenwood Ave.	Alta Mesa Road	9/8/2023	92	86	87	85	0.00	100.00	0.00
282968	231	Farm Hill Blvd.	575 ft. East of 280	Town Limits	9/8/2023	79	69	89	56	37.10	62.90	0.00
3016699	52	Woodside Way	Southdale Way	Glencrag Way	9/8/2023	46	53	91	37	74.99	25.01	0.00
302140	118	Hillside Ct.	Eleanor Dr.	End	9/8/2023	76	36	36	36	61.63	38.37	0.00
ALDPG	010	Alameda de las Pulgas	FERNESIDE ST	STATE ROUTE 84 HIGHWAY	9/8/2023	91	84	85	83	10.45	89.55	0.00

Appendix E: Survey Methodology

Adhara Survey Methodology

This appendix explains Adhara’s field survey methodology. The following illustration shows the difference between Adhara’s and the traditional methods. Customers find Adhara Method finds more accurate distress samples than those from the traditional method.

- Adhara offers a longitudinal survey method using Adhara proprietary equipment.
- For the Adhara method, there is always a sample area within 20 feet from any spot of a managed section for the length of the designated section.
- Sample area is pre-defined in the field work planning process for different type of roads.
- Minimum sampling rate of Adhara method is 25%. Typical average sampling rate is higher than 30% depends on the nature of road network. This average sampling rate is three times of that of the traditional method that MTC recommends for the network level survey. Higher sampling rate reduces potential error.
- Optionally, all-lane survey is available upon request. All drivable lanes will be in the work scope. Average sampling rate becomes higher than 60%.

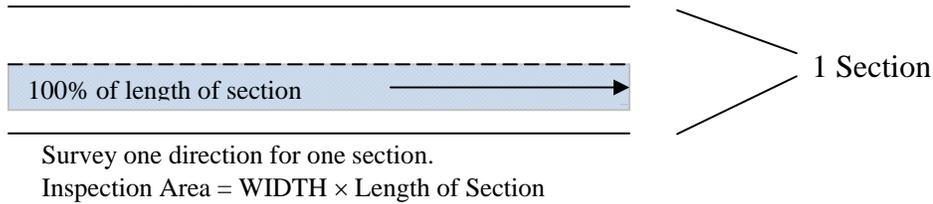


Suggested Survey Paths for Different Types of Road

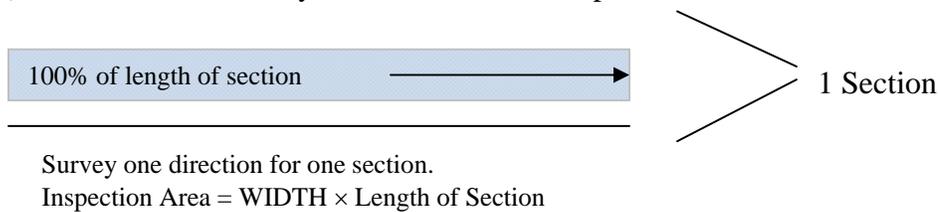
The survey path can be varied depends on what the customer desires. Below is our recommendation. Alternatively, Adhara offers all-lane, drivable, survey upon agency's request.

NOTE: WIDTH = 12 feet typical

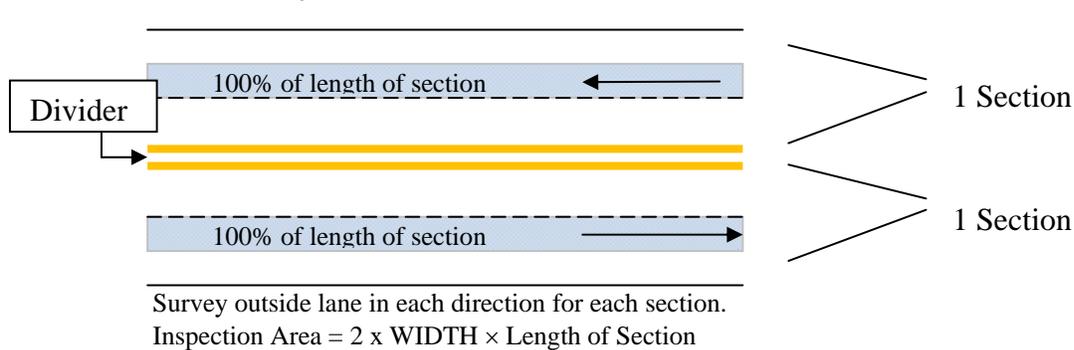
1) 2 lane 2 way road



2) 100 Residential 2 way road without lane strip

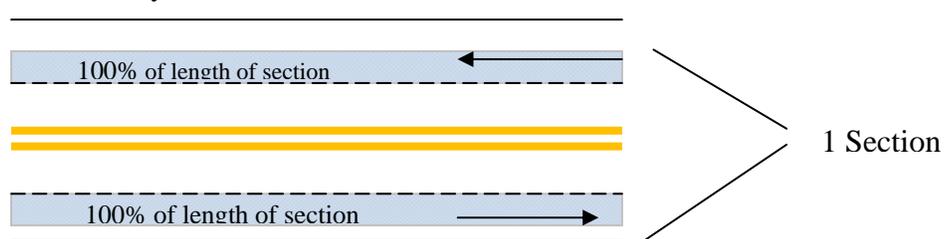


3) 4 lane 2 way divided road



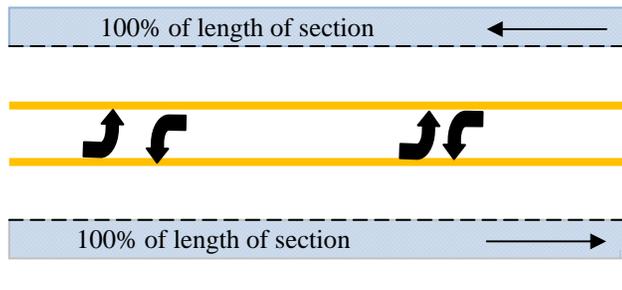
NOTE: It is suggested to split into two sections if there is a divider in between two opposite directions. However, if the current section definition is not in split, it will be counted as one single section and will be surveyed as "4 lane undivided road". If the road is divided into two sections, each section can be considered as 2 lane one-way road.

4) 4 lane, 2 way undivided road



Survey both outside lane in each direction as one section.
 Inspection Area = 2 × WIDTH × Length of Section

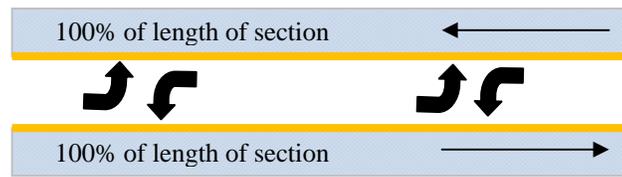
5) 4 lane 2 way undivided road with turning lane



1 Section

Survey both outside lane in each direction for one section.
 Inspection Area = $2 \times \text{WIDTH} \times \text{Length of Section}$

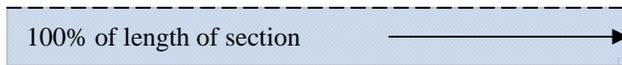
6) 3 lane 2way with middle turning lane



1 Section

Survey one outside lane in direction as one section.
 Inspection Area = $2 \times \text{WIDTH} \times \text{Length of Section}$

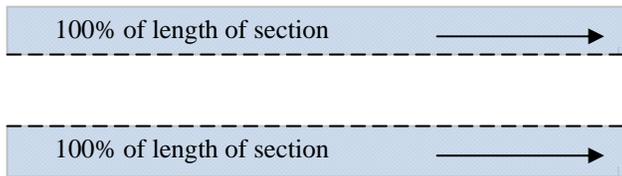
7) One-way streets
 - 2 lanes 1 way road



1 Section

Survey one direction lane for one section.
 Inspection Area = $\text{WIDTH} \times \text{Length of Section}$

- 3 lanes 1 way road



1 Section

Survey outer lane in each direction as one section.
 Inspection Area = $2 \times \text{WIDTH} \times \text{Length of Section}$

Appendix F: Presentations in GIS view



Town of Woodside

Functional Class

Printed: 12/9/2023

Feature Legend

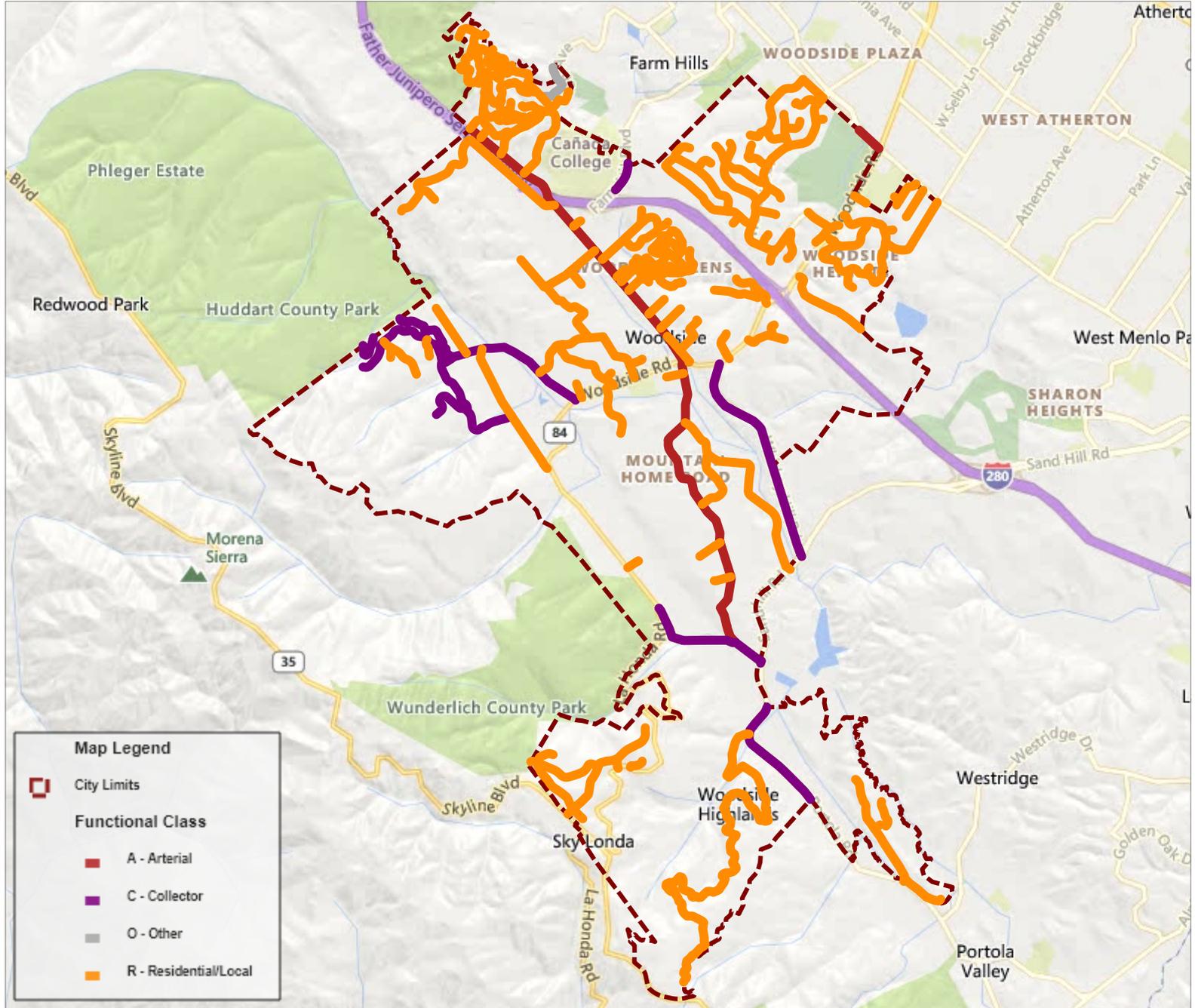
- A - Arterial
- C - Collector
- O - Other
- R - Residential/Local

Map Legend

- City Limits

Functional Class

- A - Arterial
- C - Collector
- O - Other
- R - Residential/Local





Current PCI Condition

Printed: 12/9/2023

Feature Legend

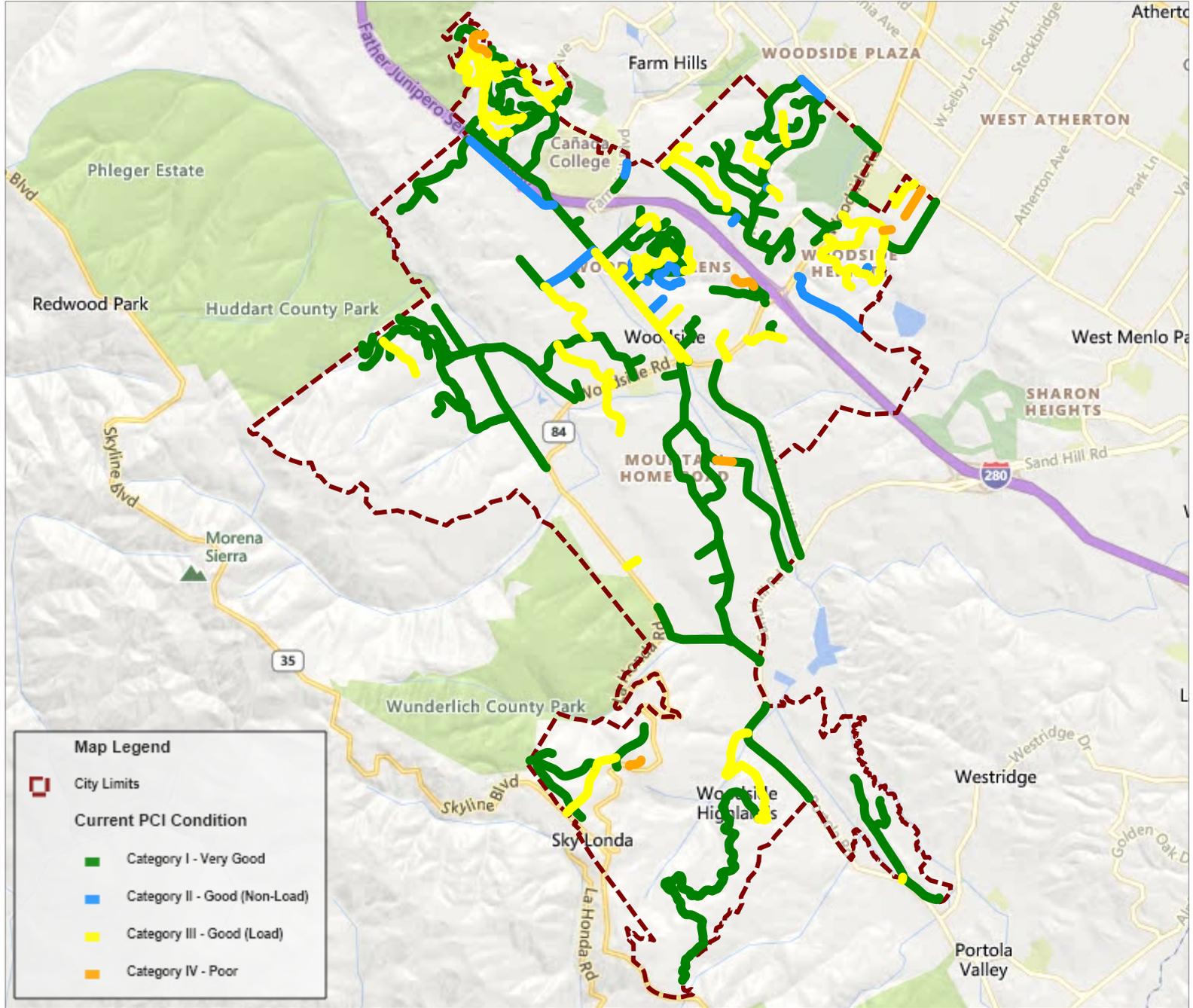
- Category I - Very Good
- Category II - Good (Non-Load)
- Category III - Good (Load)
- Category IV - Poor

Map Legend

- City Limits

Current PCI Condition

- Category I - Very Good
- Category II - Good (Non-Load)
- Category III - Good (Load)
- Category IV - Poor



Appendix G: PCI Breakpoints

PCI Breakpoints

Printed: 2/20/2024

Functional Class	Surface Type	PCI Cap	Breakpoint I	Breakpoint II/III	Breakpoint IV/V
Arterial	AC	90	70	50	25
	AC/AC	90	70	50	25
	AC/PCC	90	70	50	25
	PCC	90	70	50	25
	ST	90	70	50	25
Collector	AC	90	70	50	25
	AC/AC	90	70	50	25
	AC/PCC	90	70	50	25
	PCC	90	70	50	25
	ST	90	70	50	25
Other	AC	90	70	50	25
	AC/AC	90	70	50	25
	AC/PCC	90	70	50	25
	PCC	90	70	50	25
	ST	90	70	50	25
Residential/Local	AC	90	70	50	25
	AC/AC	90	70	50	25
	AC/PCC	90	70	50	25
	PCC	90	70	50	25
	ST	90	70	50	25

Appendix H: Unmanaged Section Listing

STSECID	ST_ID	SEC_ID	ST_Name	Beg_Loc	End_Loc	Lanes	FC	LEN	Width_RD	Area_Sec	Sur_Type	NOTE
165165	165	165	Still Creek Road	Sunrise Dr.	No Trespass	2	NCR	150	22	3300	A	
165165B	165	165B	Still Creek Road	No Trespass	End	2	NCR	1,900	22	41800	A	Section Added

Appendix I: PCI Data (Still Creek Road)

Section PCI/RSL Listing

Printed: 3/17/2024

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
165	165	Still Creek Road	Sunrise Dr.	No Trespass	150	22	3,300	NCR - Proposed; Private; Non-County	A - AC	87	32.27
165	165B	Still Creek Road	No Trespass	End	1,900	22	41,800	NCR - Proposed; Private; Non-County	A - AC	29	1.26

Total Section Length:	2,050
Total Section Area:	45,100

Street ID	Section ID	Street Name	Begin Location	End Location	PCI Date	Last Calculated PCI	PCI After	PCI High	PCI Low	Pct Load	Pct Envr	Pct Other
165	165	Still Creek Road	Sunrise Dr.	No Trespass	9/6/2023	93	77	81	75	51.59	48.41	0.00

Street ID	Section ID	Street Name	Begin Location	End Location	PCI Date	Last Calculated PCI	PCI After	PCI High	PCI Low	Pct Load	Pct Envr	Pct Other
165	165B	Still Creek Road	No Trespass	End	2/12/2024	0	29	42	17	46.81	39.54	13.65

