

CITY OF COTATI

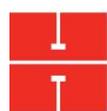


**City of Cotati
5-Year Pavement Preservation Capital Improvements Program
2020-2024**

FINAL
October 22, 2019



Resolution No. PC-2019-10
City Council Adopted by Motion on October 22, 2019



Harris & Associates

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I. INTRODUCTION

The 5-Year Pavement Preservation Capital Improvements Program (CIP) is a summary of the pavement analysis that identifies and prioritizes road repair projects and provides estimated costs. The CIP utilized data and enhanced some of the recommendations provided from the 2017 Pavement Management Program (PMP) prepared by Capitol Asset & Pavement Services (CAPS). StreetSaver was also used to analyze and modify criteria of the PMP's decision tree with a goal to optimize City funding for street preservation and rehabilitation.

Once the 5-Year CIP is approved, additional pavement testing will be used to determine the most appropriate and cost effective pavement maintenance treatment for each street to be rehabilitated.

See **Appendix A** for *Table A: 5-Year CIP with Costs*. This table summarizes the data populated from the StreetSaver work plan that is included in **Appendix B – (Sections Selected for Treatment)**.

II. APPROACH

The City's street network consists of 23 centerline miles of streets. Per the 2017 PMP report, a detailed visual inspection of the City's streets resulted in a calculated average Pavement Condition Index (PCI) of 55. Using a 0-100 PCI scale, with 100 being the most favorable, a rating of 55 places the City's street network in the lower range of the 'Fair' condition category. On the decision tree, this would be considered Category III – Good, Load Related Distresses with a PCI range between 50-59.

Subsequent to the 2017 PMP, the City completed the 2018 Street Project, which raised the PCI to 56. This data is shown in the Network Summary Statistics included in **Appendix B**.

Based on the 2017 PMP, the City would need to spend \$600,000 to maintain the roads. As one of the options of the PMP, the City would like to increase its PCI by 5 points, which then would require spending \$1.2 million each year. The City's plan to spend \$1.2 million will:

- 1) Help maintain roadways in good condition using less expensive pavement treatments.
- 2) Repair more streets that are in poor condition.

Although the 2017 PMP provides a useful framework for characterizing the City's overall roadway conditions, the plan does not cluster projects or account for roads with high local importance. The 5-Year CIP incorporates these factors and once implemented, further evaluation of the various treatments with additional investigation, via pavement testing analysis, would properly determine the most suitable treatment.

The following approach was used to develop the 5-Year Street Pavement Preservation CIP Plan:

- 1) A list of high priority streets that required rehabilitation were identified and prioritized for years 2020 to 2024. *(See Figure 1 below)* Based on the 2017 PMP. These streets had a current PCI range from 0 to 60. The PCI values for these streets would be lower by the time the street is earmarked for rehabilitation. PCI values are constantly decreasing over time and are typically re-evaluated and updated about every two years. Factors that influenced the selection of the high priority streets included high local use, community needs, and geographical clusters.
- 2) The StreetSaver Decision Tree criteria was revised based on unit costs from recent bids and pavement treatments used in the 2018 Street Construction and Improvements Project completed in October 2018. Treatments were also revised in the "Very Good" category to include more preventative maintenance. For example, we removed the "Do Nothing" in the treatment options and replaced with crack seal and slurry seal treatments instead. Refer to **Appendix B** for the revised Decision Tree.
- 3) The City's preferred list of high priority streets were directly inputted into StreetSaver at the selected year base on the City's budget. The program then filled any remaining budget with streets requiring preventative maintenance, such as crack seal and slurry seal, to reach the targeted budget.

After CIP approval:

- 1) For Year 2020 through Year 2024, deflection testing analysis will be performed on the list of streets generated from StreetSaver that require rehabilitation. Pavement corings will also be taken to determine the R-value. A Deflection Analysis Report will provide treatment recommendations for each street. Two reports; one to cover years 2020-2021 and the other years 2022 – 2024 will be prepared. Pavement condition will change over a short period of time, therefore, coring samples will need to be taken for the two separate reports.

- 2) Based on the pavement testing recommendations, the list of streets will be reevaluated and budgeted with selected pavement treatments and projects will be ready for the designated year design project.

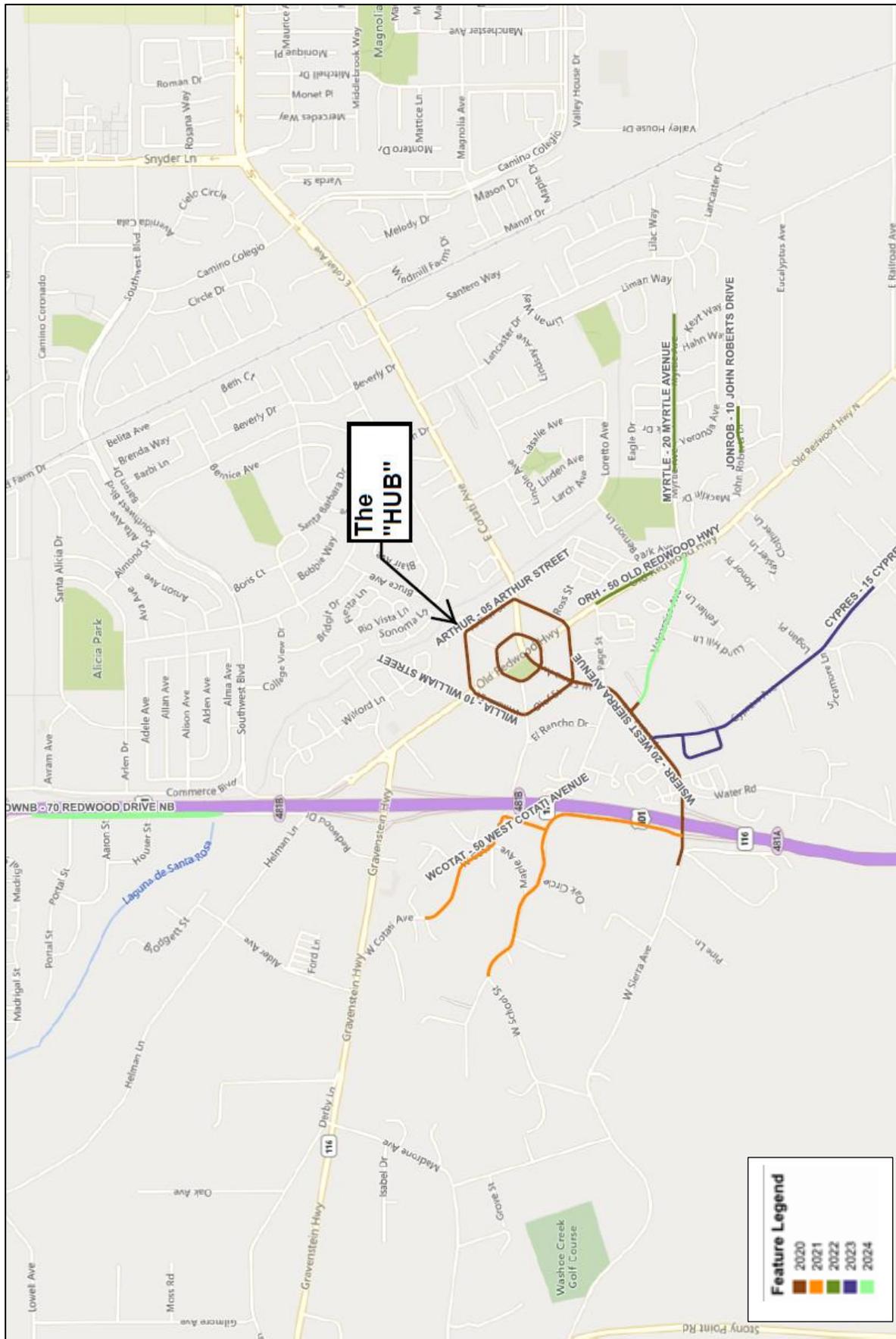


Figure 1: High Priority Streets selected for years 2020-2024

StreetSaver used the starting \$1.2 million base budget to select the streets for each year of the program, except for Year 2020. Once the streets were selected for each year by the software, they went through some minor adjustments by the City in order to generate a desired list for each year. The pavement treatment required to rehabilitate the City's selected streets for 2020 has a higher cost as shown in Appendix A. Year 2020 included work in the "Hub" and along W. Sierra Ave between western City limits to Old Redwood Highway, which may require Full Depth Reclamation (FDR) and Overlay treatments. See Figure 1 for streets included in the "Hub".

Year 2019 projects are included in Appendix B to document recently completed paving work. Previous test analysis, completed in April 2018 by Pavement Engineering Inc. (PEI), for the 2018 Street Construction & Improvements Project (L-section) were used to determine the treatment method for the Year 2019 Project.

III. STREET ANALYSIS

As mentioned in our approach, we added high priority streets and modified the Decision Tree Criteria for StreetSaver to update and generate the 5-Year CIP plan. We will discuss in detail the revisions made to the Decision Tree Criteria and the development of the data used to input into StreetSaver.

The 2017 PMP report included a map of Cotati's street network showing their current PCI condition. (See *Figure 2*). As stated earlier, the overall Network PCI prior to 2019 Street Paving Project is 56. A 2019 PMP is being prepared concurrent with this CIP. The 2019 PMP will reflect the completed 2019 Streets Project and a new condition survey of the City streets which may adjust the City-wide PCI.

The goal is to rehabilitate as much of the Category 4 and 5 (PCI range = 0 – 49) streets through the CIP process to get to where the City will only need annual preventative maintenance in Category 1 (PCI range = 70 – 89) each year. Category 2 and 3 (PCI range = 50 – 69) streets will continue to receive preventative maintenance or less expensive rehabilitation treatments, as needed, to raise the PCI in these streets to the Category 1 range.

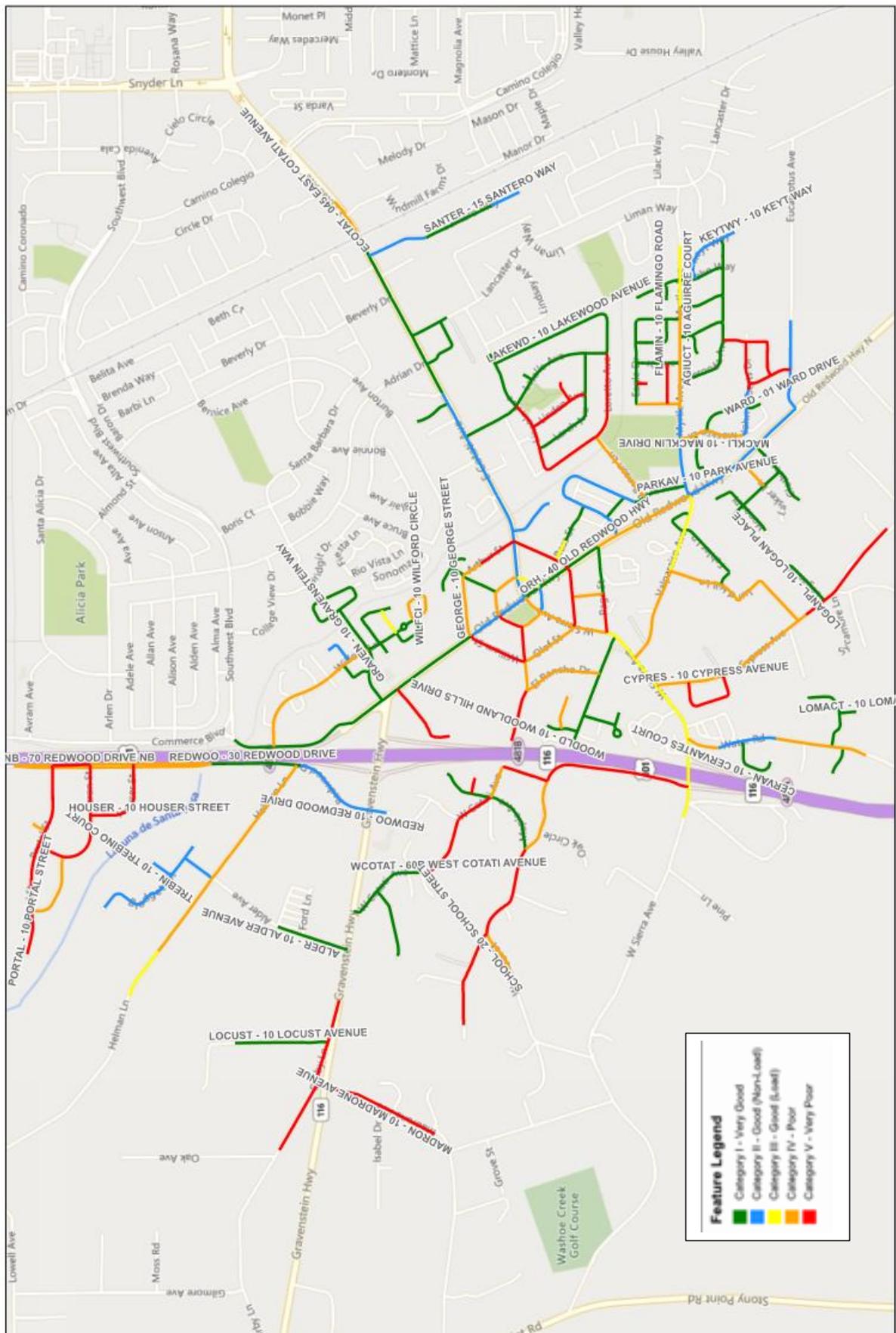


Figure 2: Current PCI Conditions of all Cotati city streets

Decision Tree Criteria

The Decision Tree is a report that details the rehabilitation decision branches defined for the City's treatment analysis. A treatment strategy is defined for each combination of functional class and surface type found in the City's pavement system for both preventive maintenance (e.g. crack treatments and surface treatments) and rehabilitation (e.g. overlays and pavement reconstruction) based upon section condition. Costs per unit of application are given (\$/LF for crack treatments and \$/SY for all other treatments). The revised Decision Tree and data descriptions are included in **Appendix B**.

The Decision Tree criteria was generated for the analysis used in the 2017 PMP. The current revisions made to the Decision Tree criteria are presented in Table 1 below:

Table 1 – Decision Tree Criteria Revisions				
Functional Class: Arterial				
SURFACE	CONDITION CATEGORY	TREATMENT TYPE	OLD TREATMENT	NEW TREATMENT
AC, AC/AC, AC/PCC	I – Very Good	Crack Treatment	Do Nothing	Seal Cracks
AC, AC/AC, AC/PCC	I – Very Good	Surface Treatment	Do Nothing	Slurry Seal
AC	III – Good, Load related		Chip Seal and Slurry Seal	Thin Overlay
AC/AC, AC/PCC	III – Good, Load related		Digout, Crack Seal, Slurry	Thin Overlay
AC, AC/AC, AC/PCC	V – Very Poor		Full R&R+4in OL/27in AB (A)	FDR
Functional Class: Collector				
SURFACE	CONDITION CATEGORY	TREATMENT TYPE	OLD TREATMENT	NEW TREATMENT
AC, AC/AC	I – Very Good	Crack Treatment	Do Nothing	Seal Cracks
AC, AC/AC	I – Very Good	Surface Treatment	Do Nothing	Slurry Seal
AC, AC/AC	III – Good, Load related		Digout, Crack Seal, Slurry	Thin Overlay
AC, AC/AC	IV – Poor		Double Fiber Seal	Edge Grd + 20%Dig+FAB +3in OL

AC, AC/AC	V – Very Poor		Full R&R+4in OL/27in AB (A)	FDR
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Functional Class: Residential/Local				
SURFACE	CONDITION CATEGORY	TREATMENT TYPE	OLD TREATMENT	NEW TREATMENT
AC, AC/AC	III – Good, Load related		Digout, Crack Seal, Slurry	Thin Overlay
AC, AC/AC	IV – Poor		Double Fiber Seal	Edge Grd + 20%Dig+FAB +3in OL
AC, AC/AC	V – Very Poor		Full R&R+4in OL/27in AB (A)	FDR

Note: This table shows the revisions to treatments only. Condition Category is not listed if treatment remained unchanged.

Additional revisions include:

- Updated unit costs for crack seal and slurry seal
- Revised Crack Seal Treatment number of years under “Years Between Crack Seals” (Category I)
- Revised Slurry Seal number of years under “Years Between Surface Seals” (Category I and II)

All of the above revisions were based on methods that proved successful in recent paving projects and to preserve these streets with preventative maintenance to increase the paving design life.

The unit costs were increased to include both hard and soft costs in order for StreetSaver to produce more realistic costs for the designated year projects. Soft costs represent design costs (10%) and construction management cost (12%). A 15% contingency was also used in the hard costs to cover unexpected costs during construction. Soft costs typically range between 20-30% of the total construction cost while hard cost covers 70-80%.

5-Year CIP

For the 5-Year CIP, the City selected high priority streets that required immediate attention and prioritized them in the five year period. Refer to **Appendix A** as well as *Figure 1* above.

Certain types of resurfacing treatments trigger the requirement to add and upgrade existing curb ramps. Curb ramps are required to comply with current ADA standards. These estimated curb ramp upgrade costs have been added to each year, if applicable, in the table.

The City's desired budget cap was allocated at each year on StreetSaver. The program filled the remaining budget with streets requiring preventative maintenance. The table includes the roads that StreetSaver selected to meet the budget. Figure 3 shows a combined map of all the high priority streets and preventative treatment streets included in the scenario. Figure 3.1 thru 3.5 are the maps for each individual year.

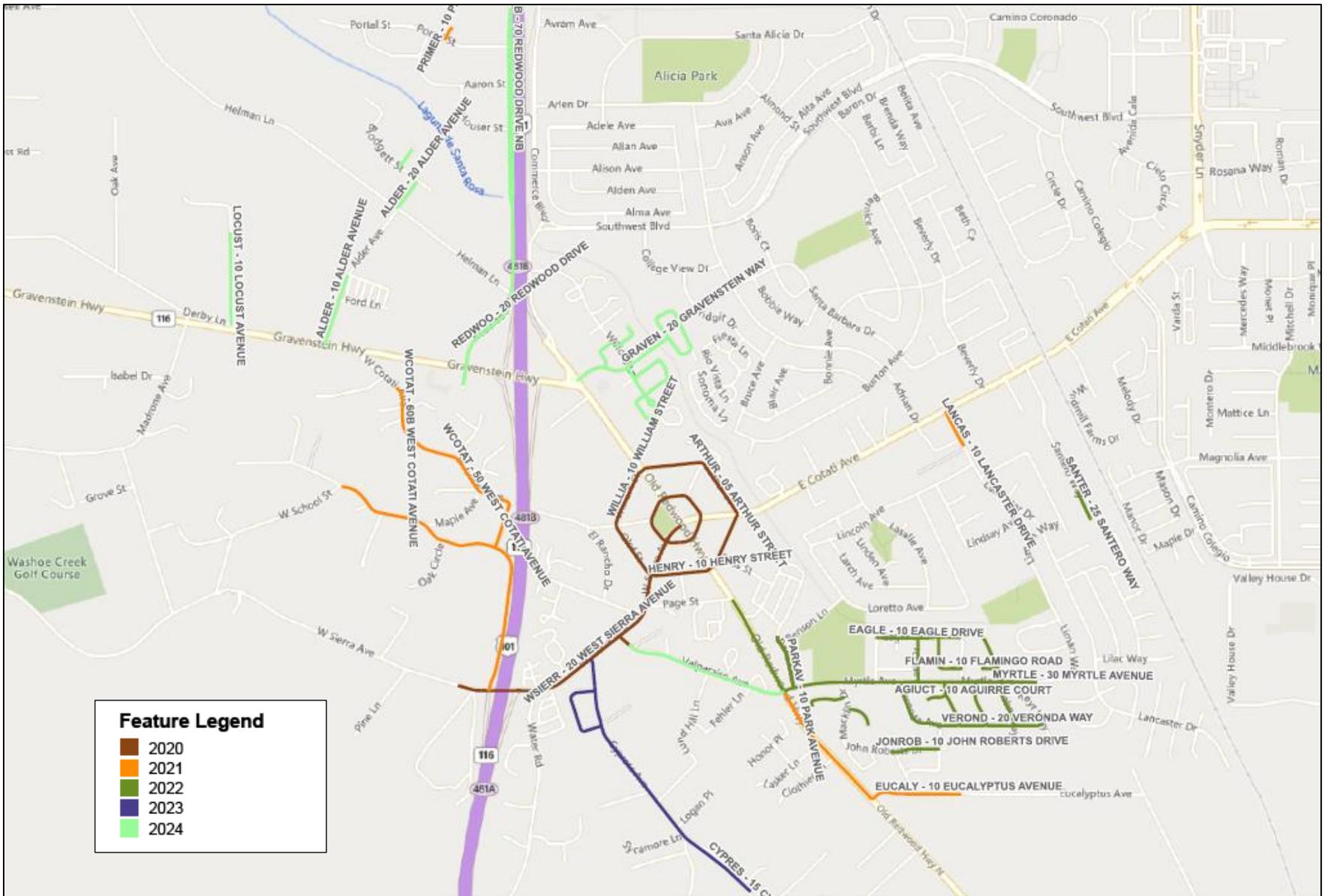


Figure 3: All treatments selected for 5-Year CIP Year 2020-2024

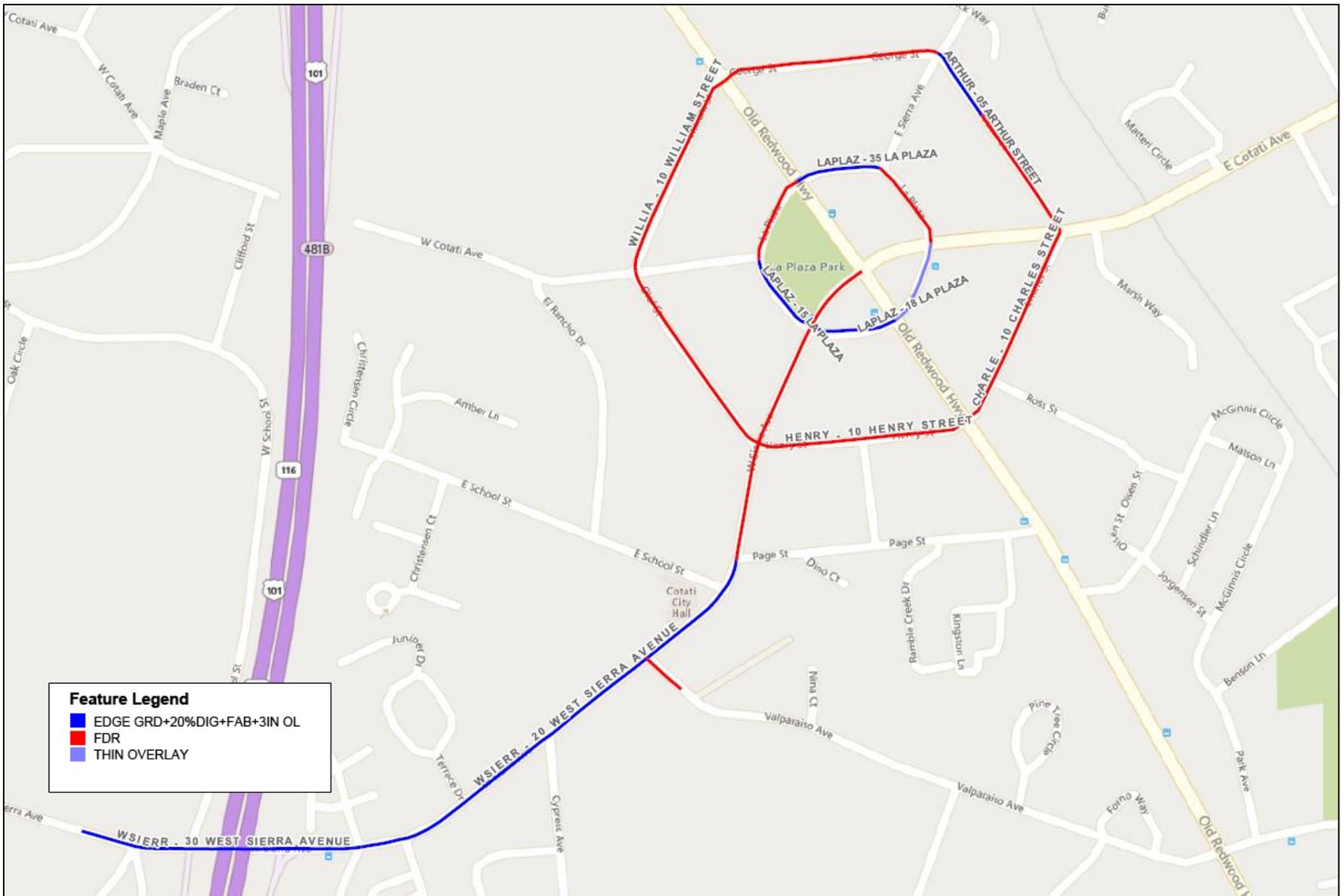


Figure 3.1: Year 1- 2020 treatments selected for 5-Year CIP Year

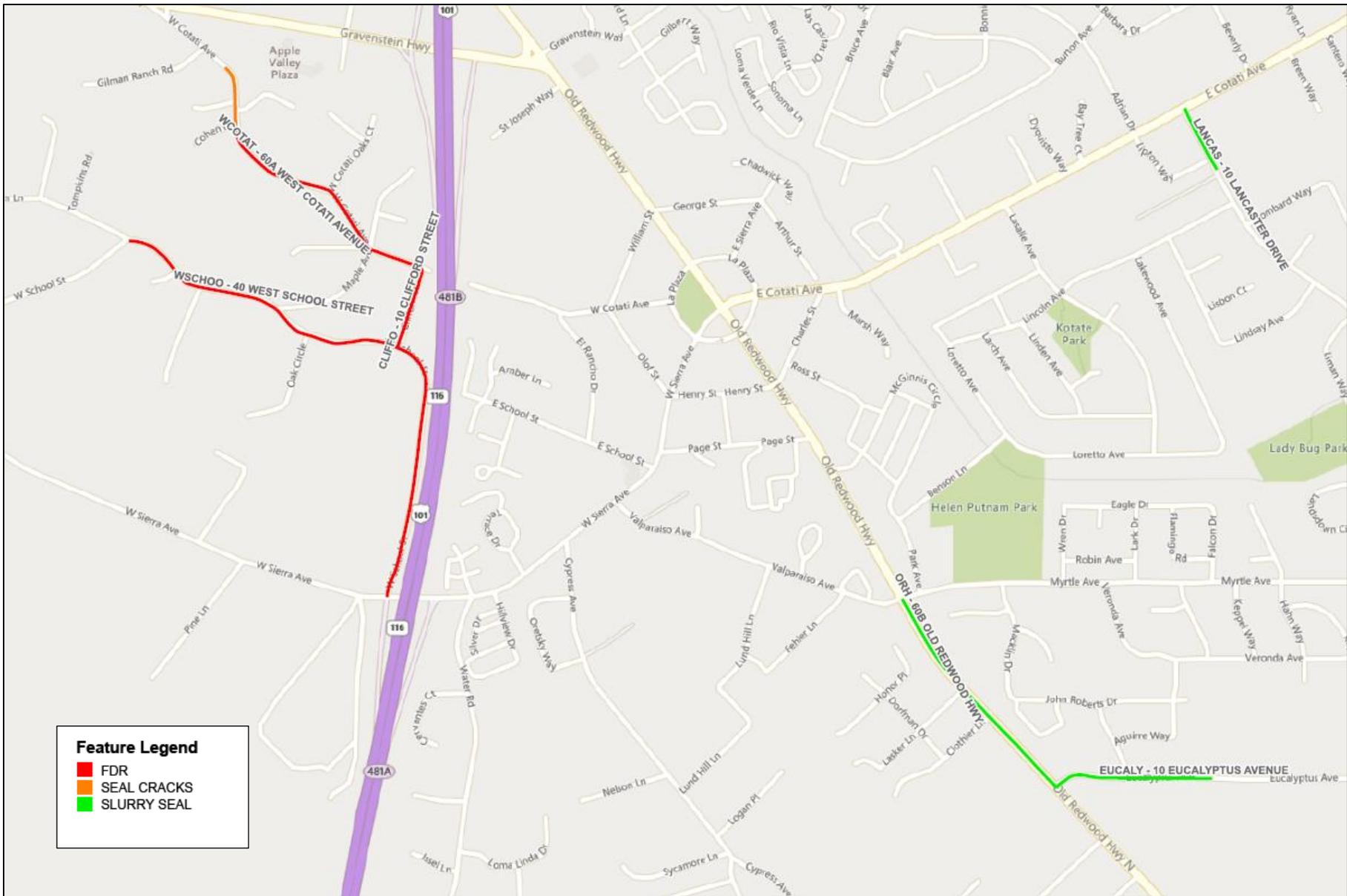


Figure 3.2: Year 2- 2021 treatments selected for 5-Year CIP Year

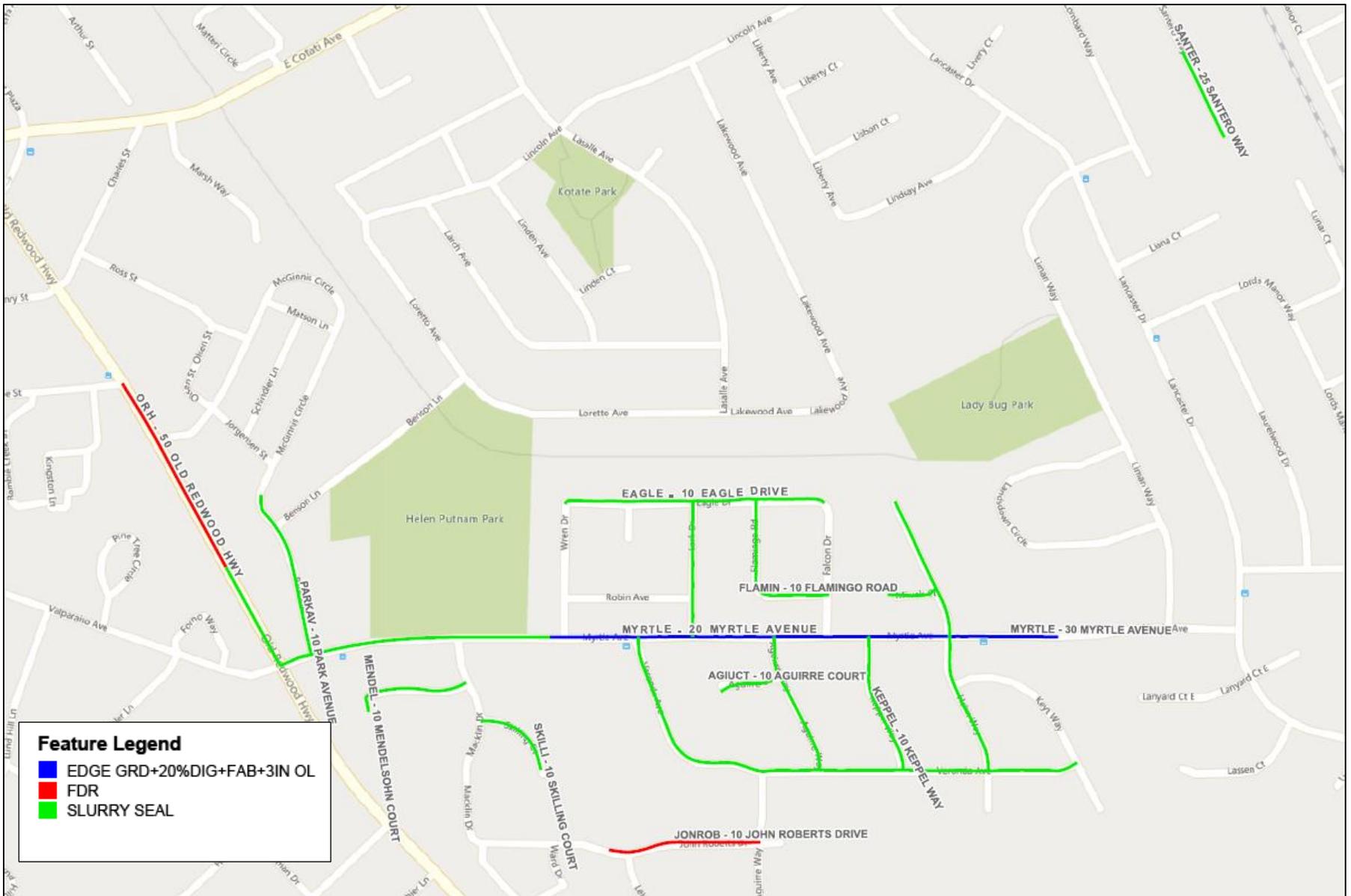


Figure 3.3: Year 3- 2022 treatments selected for 5-Year CIP Year

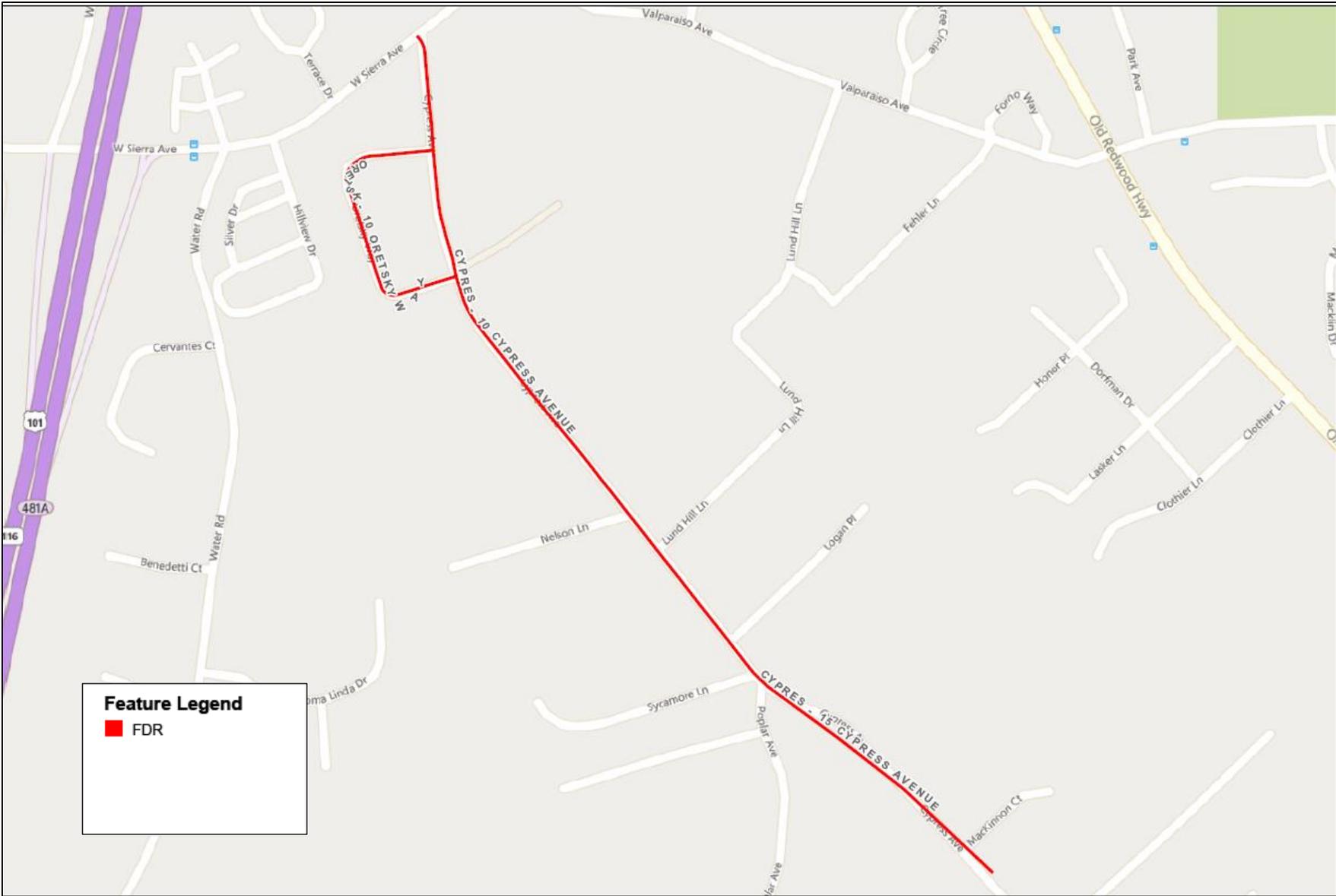


Figure 3.4: Year 4- 2023 treatments selected for 5-Year CIP Year

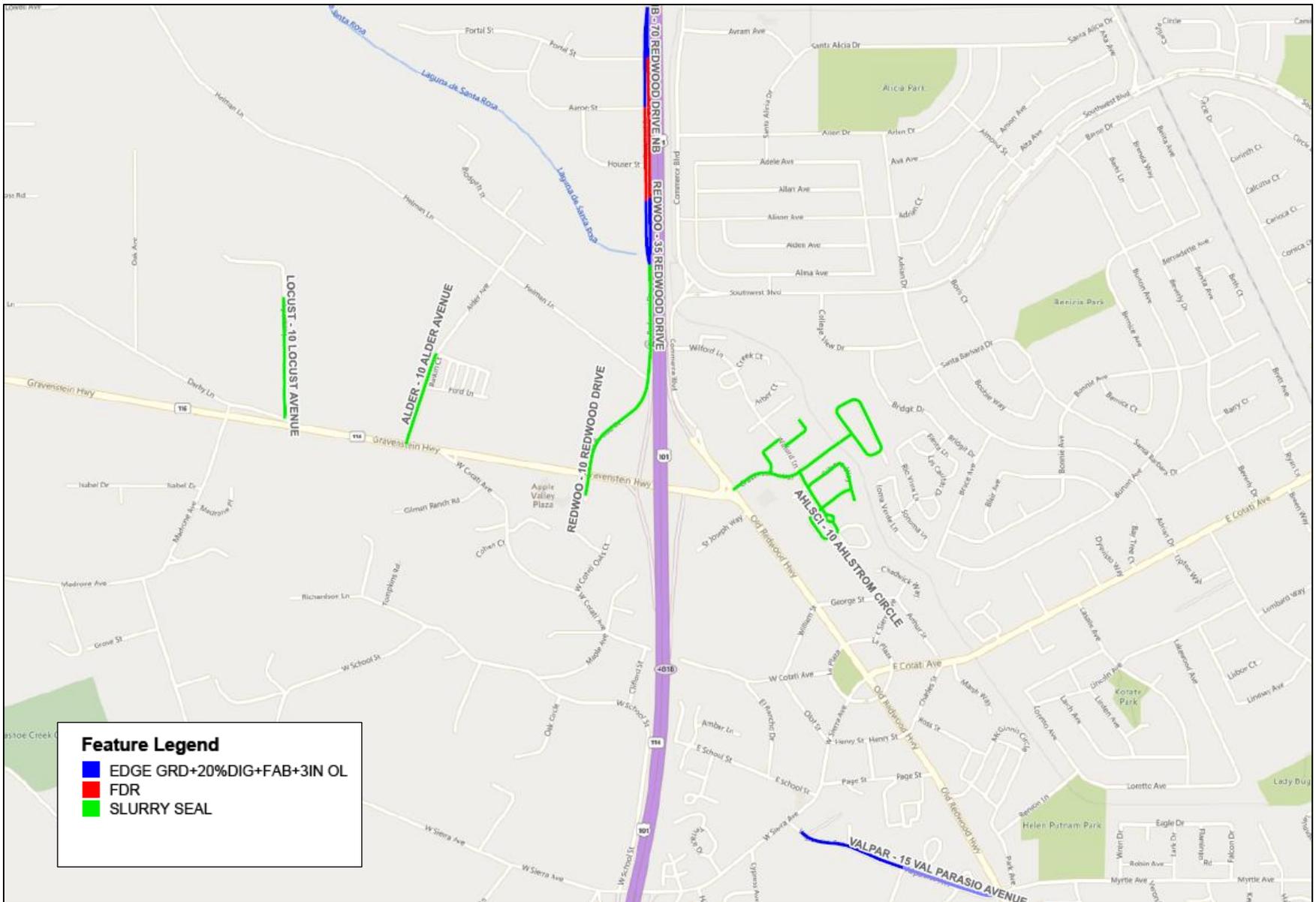


Figure 3.5: Year 5- 2024 treatments selected for 5-Year CIP Year

As mentioned earlier, the 2017 PMP suggests spending a minimum of \$1.2M each year in order to increase the overall network PCI by 5 points.

Table 2 summarizes the City’s 5-year CIP based on City’s desired estimated budget for each year. As shown in Table 2, there may be some remaining budget, in Year 2023 presumably, to cover more pavement rehabilitation streets with PCI range = 0 – 69.

Table 2: 5-Year CIP Cost Summary

Year	HP + CR + PM Costs
2020	\$2,169,338
2021	\$1,502,687
2022	\$1,202,324
2023	\$889,836
2024	\$1,377,313
Total =	\$7,141,498

HP=High Priority Streets

CR=Curb Ramps

PM=Preventative Maintenance

The City made a decision to rehabilitate quite a few of the high local use streets in Year 2020. That’s the reason Year 2020 has a higher estimated cost. If the City decides to set a lower budget for Year 2020, some of the high priority streets would get pushed out into the following years or possibly removed from the 5-Year CIP.

IV. PAVEMENT TREATMENTS

Below are different types of preventative maintenance treatments and pavement rehabilitation treatments that are being used in the Decision Tree.

Crack Seals - A surface treatment generally utilized to prevent entry of water or other Non-compressible substances into the pavement.

Crack seals are used to fill individual pavement cracks to prevent entry of water or other non-compressible substances such as sand, dirt, rocks or weeds. Crack sealant is typically used on early stage longitudinal cracks, transverse cracks and reflection cracks. It is placed over the existing pavement surface and is typically applied at approximately six (6) year intervals.

Slurry Seals - A surface treatment generally utilized to provide new wearing coats and prevent water penetration of the pavement surface, thereby extending pavement life.

Slurry seals are surface treatments applied to pavements with minimal surface distress to provide new wearing surfaces and extend pavement life. A slurry seal generally consists of a mixture of conventional or latex-modified emulsified asphalt, well-graded fine aggregate, mineral filler and water. It is placed over the existing pavement surface and is typically applied at eight (8) year intervals. Design Life – 3-5 years

Dig outs – The process in which the material in a highly distressed area is either removed and replaced or additional material is added to cover up a distressed area.

The primary method of dig outs include the replacement of materials that have been lost due to localized pavement distress or disintegration, the complete removal and replacement of continuous segments of failed pavement, or the application of a thin layer of HMA material over segments of pavement that exhibit more surface-related distress/distortion. Once patched, the distressed area is repaired or strengthened so that it can carry significant traffic level with improved performance and lower rates of deterioration. Patches are often done in preparation of other forms of corrective maintenance, pavement preservation, and pre-treatment prior to an overlay.

Overlays - The application of treatments that are more cost-effective alternatives to reconstruction of the entire pavement surfaces, but provide the required structural support.

An asphalt layer is placed over the existing pavement surface. Cold planing is typically performed prior to the overlay to provide a level surface for the overlay, reduce excessive crowning, and assure alignment with existing gutter line. This typically includes base repair and crack sealing prior to the application of an overlay. This treatment provides a new wearing surface and increased structural strength to the pavement section. Triggers curb ramp upgrades. Design Life – 7-12 years

Overlay with Fabric – fabrics are made from polypropylene or polyester fibers and are used in conjunction with asphalt resurfacing projects.

A liquid asphalt tack coat is sprayed on existing (or pre-leveled) pavement surface followed by the installation of the overlay fabric. A final aggregate asphalt surface course is then placed directly on the overlay fabric. The heat from the asphalt surface brings the underlying liquid tack coat through the fabric creating a fabric-saturated membrane that is bonded to the old and new pavement. It has been found that Pavement Overlay Fabric will delay reflective cracking in asphalt pavement overlays. The Pavement Overlay Fabric forms a waterproof barrier which prevents moisture from infiltrating the pavement and subgrade. Triggers curb ramp upgrades. Design Life – 7-12 years

Full Depth Reclamation (FDR) – The process of rebuilding worn out asphalt pavements by recycling the existing roadway.

The old asphalt and base materials are pulverized, mixed with cement and water, and compacted to produce a strong, durable base for either an asphalt or concrete surface. Full-depth reclamation uses the old asphalt and base material for the new road. There’s no need to haul in aggregate or haul out old material for disposal. Truck traffic is reduced, and there is little or no waste. The road performance is improved through better stabilization, building a stronger, low-maintenance road that will last for many years. Triggers curb ramp upgrades. Design Life – 15-20 years

Remove and Replace (Full depth HMA or HMA over AB) – the process of grinding out or breaking away the existing asphalt before hauling it away, revealing the base of the street.

When a road is breaking down, it may be time to start fresh with a full pavement remove and replace (R&R) section. Instead of trying to save sections and overlay or patch to salvage the lot, it’s more cost-effective in the long run to completely replace it, which will last longer and provide better protection of the underlying foundation. If needed, fresh base material is added to fortify the foundation. The new or existing base is then rolled to grade, which will help with water drainage and preservation of the new asphalt. After the base is compacted, a new layer of fresh asphalt is applied and rolled to specified thickness, leaving with a fresh new street. Triggers curb ramp upgrades. Design Life – 15-20 years

V. CONCLUSION

The 5-Year CIP presented herein, demonstrates how the goal to increase the PCI by 5 points is attainable based on the pavement rehabilitation and maintenance treatments selected for years 2020-2024. The goal actually surpasses the 5-point increase as displayed in Table 3.

Table 3: Projected Network Average PCI Increase per year

Year	Never Treated (Note 1)	With Selected Treatment (Note 2)
2020	53	64
2021	51	65
2022	49	66
2023	47	65
2024	45	67

Note 1: Data generated from the 2017 PMP report.

Note 2: Base on recent scenario generated

APPENDIX A

- Table A: 5-Year CIP with Costs

Table A: 5-Year CIP with Costs

Street	From	To	FC	PCI before	Possible Treatment	PCI after	Estimated Costs
2020							
High Priority Streets							
Arthur St.	E. Sierra Ave	250ft East Of E. Sierra	R	37	Edge Grind, DO, Fab, OL	100	\$40,285
La Plaza	W. Cotati Ave	W. Sierra Ave	R	35	Edge Grind, DO, Fab, OL	100	\$50,985
La Plaza	W. Sierra Ave	ORH	R	65	Edge Grind, DO, Fab, OL	100	\$43,054
La Plaza	E. Sierra Ave	ORH	R	41	Edge Grind, DO, Fab, OL	100	\$41,921
W. Sierra Ave	Page St.	Water Ave	A	54	Edge Grind, DO, Fab, OL	100	\$301,288
W. Sierra Ave	Water Ave	City limits	A	50	Edge Grind, DO, Fab, OL	100	\$145,024
Arthur St	250ft east of E. Sierra	E. Cotati Ave	R	8	FDR	100	\$65,371
Charles St	ORH	E. Cotati Ave	R	15	FDR	100	\$184,688
George St	ORH	E. Sierra Ave	R	42	FDR	100	\$147,925
Henry St	ORH	W. Sierra Ave	R	8	FDR	100	\$180,213
La Plaza	ORH	W. Cotati Ave	R	8	FDR	100	\$84,048
La Plaza	E. Cotati Ave	E. Sierra Ave	R	27	FDR	100	\$64,787
Olaf St	W. Sierra Ave	William St	R	34	FDR	100	\$155,847
Valparasio Ave	Bridge	W. Sierra Ave	C	23	FDR	100	\$39,379
Williams St	ORH	Olaf St	R	10	FDR	100	\$163,591
W. Sierra Ave	ORH	Page St.	A	35	FDR	100	\$266,152
La Plaza	ORH	E. Cotati Ave	R	63	Thin Overlay	100	\$26,780
HP Subtotal for 2020 =							\$2,001,338
Curb Ramps							
Curb Ramp Upgrades (approx.) =							\$168,000
Preventative Maintenance							
PM Subtotal for 2020 =							\$0
Total for 2020 =							\$2,169,338
2021							
High Priority Streets							
Clifford St	W. School St	W. Cotati Ave	R	15	FDR	100	\$118,032
W. Cotati Ave	End W. side HWY 101	Maple Ave	R	37	FDR	100	\$77,673
W. Cotati Ave	Maple Ave	W. Cotati Oaks Ct	R	8	FDR	100	\$132,099
W. Cotati Ave	W. Cotati Oaks Ct	Cohen Ct	R	17	FDR	100	\$231,061
W. School St	W. Sierra Ave	Clifford St	R	3	FDR	100	\$426,435
W. School St	Clifford St	300ft of Clifford	R	25	FDR	100	\$40,881
W. School St	300ft of Clifford	Maple Ave	R	28	FDR	100	\$119,851
W. School St	Maple Ave	Richardson St	R	16	FDR	100	\$245,088
HP Subtotal for 2021 =							\$1,391,120
Curb Ramps							

Curb Ramp Upgrades (approx.) =							\$0
Preventative Maintenance							
Eucalyptus Ave	ORH	City limits	C	56	Slurry Seal	67	\$26,051
Lancaster Dr	E. Cotati Ave	City limits	C	91	Slurry Seal	95	\$12,474
ORH	Myrtle Ave	Lasker Ln	A	61	Slurry Seal	71	\$30,204
ORH	Lasker Ln	Eucalyptus Ave	A	64	Slurry Seal	74	\$39,077
Primero Ct	Portal St	End	R	39	Slurry Seal	57	\$3,726
W. Cotati Ave	Cohen Ct	Creek	R	86	Seal Cracks	87	\$35
PM Subtotal for 2021 =							\$111,567
Total for 2021 =							\$1,502,687
2022							
High Priority Streets							
John Roberts Dr	Aguirre Way	100ft W of Lebec Ln	R	7	FDR	100	\$203,432
ORH	Page St	Veterans Bldg	A	18	FDR	100	\$211,358
Myrtle Ave	50ft W. of Wren	Keppel Way	C	29	Edge Grind, DO, Fab, OL	100	\$207,065
Myrtle Ave	Keppel Way	City Limits	C	45	Edge Grind, DO, Fab, OL	100	\$149,305
HP Subtotal for 2022 =							\$771,160
Curb Ramps							
Curb Ramp Upgrades (approx.) =							\$182,000
Preventative Maintenance							
Aguirre Ct	Aguirre WY	End	R	78	Slurry Seal	86	\$5,657
Aguirre WY	Myrtle Ave	Veronda Ave	R	80	Slurry Seal	87	\$14,143
Eagle Dr	Falcon Dr	Wren	R	79	Slurry Seal	86	\$18,941
Flamingo RD	Falcon Dr	Eagle Dr	R	83	Slurry Seal	90	\$13,638
Hahn Way	End	Veronda WY	R	82	Slurry Seal	89	\$27,022
Keppel Way	Myrtle Ave	Veronda WY	R	73	Slurry Seal	81	\$17,300
Lark Dr	Myrtle Ave	Eagle Dr	R	83	Slurry Seal	90	\$6,308
Mendelsohn Ct	Macklin Dr	End	R	76	Slurry Seal	84	\$12,476
Miwok Ct	Hahn Way	End	R	79	Slurry Seal	86	\$4,445
Myrtle Ave	ORH	50ft W of Wren	C	51	Slurry Seal	64	\$25,491
ORH	Veterans Bldg	Myrtle Ave	A	32	Slurry Seal	54	\$20,669
Park Ave	Myrtle Ave	Mcginis Cir	R	86	Slurry Seal	92	\$13,497
Santero Way	1575ft S of E. Cotati Ave	Cul de sac	R	52	Slurry Seal	65	\$12,501
Skilling Ct	Macklin Dr	End	R	74	Slurry Seal	82	\$11,289
Veronda Way	Myrtle Ave	Aguirre Way	R	80	Slurry Seal	87	\$25,962
Veronda Way	Aguirre Way	Keyt Way	R	69	Slurry Seal	79	\$19,825
PM Subtotal for 2022 =							\$249,164
Total for 2022 =							\$1,202,324
2023							
High Priority Streets							
Cypress Ave	W. Sierra Ave	120 S/O Lund	C	23	FDR	100	\$512,782
Cypress Ave	120 S/O Lund	City Limits	C	0	FDR	100	\$178,581
Oretsky Way	Cypress Ave	Cypress Ave	R	8	FDR	100	\$149,473
HP Subtotal for 2023 =							\$840,836
Curb Ramps							
Curb Ramp Upgrades (approx.) =							\$49,000
Preventative Maintenance							

PM Subtotal for 2023 =							\$0
Total for 2023 =							\$889,836
2024							
High Priority Streets							
Redwood Dr NB	300ft S of Houser	Arron St	A	6	FDR	100	\$175,180
Redwood Dr NB	Arron St	Portal St	A	0	FDR	100	\$109,487
Redwood Dr SB	300ft S of Houser	Arron St	A	20	FDR	100	\$175,180
Val Parasio	ORH	Lund Hill LN	C	53	Thin Overlay	100	\$104,992
Redwood Dr NB	Portal St	Northern City Limits	A	34	Edge Grind, DO, Fab, OL	100	\$70,845
Redwood Dr	Santa Rosa Creek	300ft S of Houser	A	16	Edge Grind, DO, Fab, OL	100	\$113,352
Redwood Dr SB	Arron St	Portal St	A	33	Edge Grind, DO, Fab, OL	100	\$70,845
Redwood Dr SB	Portal St	Northern City Limits	A	24	Edge Grind, DO, Fab, OL	100	\$70,845
Val Parasio	Lund Hill Ln	Nina Ct	C	16	Edge Grind, DO, Fab, OL	100	\$73,792
Val Parasio	Nina Ct	Bridge	C	28	Edge Grind, DO, Fab, OL	100	\$65,438
HP Subtotal for 2024 =							\$1,029,956
Curb Ramps							
Curb Ramp Upgrades (approx.) =							\$112,000
Preventative Maintenance							
Ahlstrom Cir	Wilford Ln	Wilford Cir	R	78	Slurry Seal	85	\$14,254
Ahlstrom Dr	Wilford Ln	Gilbrt Way	R	44	Slurry Seal	60	\$7,127
Alder Ave	HWY 116	City Limit	R	68	Slurry Seal	77	\$18,889
Alder Ave	Helman Ln	Blodgett	R	57	Slurry Seal	68	\$15,908
Gilbert Way	Wilford Ln	End	R	77	Slurry Seal	85	\$18,969
Gravenstein Way	ORH	Bridge	R	80	Slurry Seal	88	\$25,068
Gravenstein Way	Bridge	Bridge	R	67	Slurry Seal	76	\$25,905
Locus Ave	Derby Ln	End	R	67	Slurry Seal	77	\$9,964
Pinewood Ct	Wilford Ln	End	R	57	Slurry Seal	68	\$9,806
Pinewood Way	Gravenstein Way	Wilford Ln	R	65	Slurry Seal	75	\$9,163
Redwood Dr	Hwy 116	End	R	47	Slurry Seal	61	\$6,029
Redwood Dr	Hwy 116	50ft of Helman Ln	A	54	Slurry Seal	66	\$25,620
Redwood Dr	50ft of Helman Ln	Creek	A	85	Slurry Seal	91	\$23,862
Trebino Ct	Blodgett St	Cul-De-Sac	R	61	Slurry Seal	71	\$10,048
Wilford Ln	Gravenstein Way	Ahlstrom Cir	R	67	Slurry Seal	77	\$14,745
PM Subtotal for 2024 =							\$235,357

Total for 2024 =	\$1,377,313
Grand Total (2020-2024) =	\$7,141,498

Notes:
R = Residential
A = Arterial
C = Collector

APPENDIX B

STREETSAVER ANALYSIS

- REVISED DECISION TREE
- NETWORK SUMMARY STATISTICS
- NETWORK CONDITION SUMMARY
- COST SUMMARY
- SECTIONS SELECTED FOR TREATMENT
- PROJECTED PCI'S
- COMPARISON – DEFERRED MAINTENANCE AND PCI
- PAVEMENT CONDITION INDEX

Decision Tree

Printed: 09/27/2019

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Arterial	AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$2.50	6		
			Surface Treatment	SLURRY SEAL	\$6.50		9	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		SLURRY SEAL	\$6.50		6	
		III - Good, Load Related		THIN OVERLAY	\$26.00			
		IV - Poor		EDGE GRD+20%DIG+FAB+3IN OL	\$44.00			
	V - Very Poor		FDR	\$68.00				
	AC/AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$2.50	6		
			Surface Treatment	SLURRY SEAL	\$6.50		9	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		SLURRY SEAL	\$6.50		6	
		III - Good, Load Related		THIN OVERLAY	\$26.00			
		IV - Poor		EDGE GRD+20%DIG+FAB+3IN OL	\$44.00			
	V - Very Poor		FDR	\$68.00				
	AC/PCC	I - Very Good	Crack Treatment	SEAL CRACKS	\$2.50	6		
Surface Treatment			SLURRY SEAL	\$6.50		9		
Restoration Treatment			DO NOTHING	\$0.00			99	
II - Good, Non-Load Related			SLURRY SEAL	\$6.50		6		
III - Good, Load Related			THIN OVERLAY	\$26.00				
IV - Poor			EDGE GRD+20%DIG+FAB+3IN OL	\$44.00				
V - Very Poor		FULL R&R+4IN OL/27IN AB	\$95.00					
PCC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99			
		Surface Treatment	DO NOTHING	\$0.00		99		
		Restoration Treatment	DO NOTHING	\$0.00			99	
	II - Good, Non-Load Related		DO NOTHING	\$0.00				
	III - Good, Load Related		DO NOTHING	\$0.00				
	IV - Poor		DO NOTHING	\$0.00				
	V - Very Poor		DO NOTHING	\$0.00				

 Functional Class and Surface combination not used
 Selected Treatment is not a Surface Seal

Decision Tree

Printed: 09/27/2019

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Arterial	ST	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		DO NOTHING	\$0.00			
		III - Good, Load Related		DO NOTHING	\$0.00			
		IV - Poor		DO NOTHING	\$0.00			
		V - Very Poor		DO NOTHING	\$0.00			

- Functional Class and Surface combination not used
- Selected Treatment is not a Surface Seal

Decision Tree

Printed: 09/27/2019

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Collector	AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$2.50	6		
			Surface Treatment	SLURRY SEAL	\$6.50		9	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		SLURRY SEAL	\$6.50		6	
		III - Good, Load Related		THIN OVERLAY	\$26.00			
		IV - Poor		EDGE GRD+25%DIG+FAB+3IN OL	\$44.00			
	V - Very Poor		EDGE GRD+20%DIG+FAB+3IN OL	\$68.00				
	AC/AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$2.50	6		
			Surface Treatment	SLURRY SEAL	\$6.50		9	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		SLURRY SEAL	\$6.50		6	
		III - Good, Load Related		THIN OVERLAY	\$26.00			
		IV - Poor		EDGE GRD+20%DIG+FAB+3IN OL	\$44.00			
	V - Very Poor		FDR	\$68.00				
	AC/PCC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99		
Surface Treatment			DO NOTHING	\$0.00				
Restoration Treatment			DO NOTHING	\$0.00			99	
II - Good, Non-Load Related			DO NOTHING	\$0.00				
III - Good, Load Related			DO NOTHING	\$0.00				
IV - Poor			DO NOTHING	\$0.00				
V - Very Poor		DO NOTHING	\$0.00					
PCC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99			
		Surface Treatment	DO NOTHING	\$0.00		99		
		Restoration Treatment	DO NOTHING	\$0.00			99	
	II - Good, Non-Load Related		DO NOTHING	\$0.00				
	III - Good, Load Related		DO NOTHING	\$0.00				
	IV - Poor		DO NOTHING	\$0.00				
V - Very Poor		DO NOTHING	\$0.00					

 Functional Class and Surface combination not used
 Selected Treatment is not a Surface Seal

Decision Tree

Printed: 09/27/2019

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Collector	ST	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		DO NOTHING	\$0.00			
		III - Good, Load Related		DO NOTHING	\$0.00			
		IV - Poor		DO NOTHING	\$0.00			
		V - Very Poor		DO NOTHING	\$0.00			

-  Functional Class and Surface combination not used
-  Selected Treatment is not a Surface Seal

Decision Tree

Printed: 09/27/2019

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Residential/Local	AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$2.50	6		
			Surface Treatment	DO NOTHING	\$0.00		7	
			Restoration Treatment	DO NOTHING	\$0.00			
		II - Good, Non-Load Related		SLURRY SEAL	\$6.50		7	
		III - Good, Load Related		THIN OVERLAY	\$26.00			
		IV - Poor		EDGE GRD+20%DIG+FAB+3IN OL	\$44.00			
	V - Very Poor		FDR	\$68.00				
	AC/AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$2.50	6		
			Surface Treatment	DO NOTHING	\$0.00		7	
			Restoration Treatment	DO NOTHING	\$0.00			
		II - Good, Non-Load Related		SLURRY SEAL	\$6.50		7	
		III - Good, Load Related		THIN OVERLAY	\$26.00			
		IV - Poor		EDGE GRD+20%DIG+FAB+3IN OL	\$44.00			
	V - Very Poor		FDR	\$68.00				
	AC/PCC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99		
Surface Treatment			DO NOTHING	\$0.00				
Restoration Treatment			DO NOTHING	\$0.00				99
II - Good, Non-Load Related			DO NOTHING	\$0.00				
III - Good, Load Related			DO NOTHING	\$0.00				
IV - Poor			DO NOTHING	\$0.00				
V - Very Poor		DO NOTHING	\$0.00					
PCC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99			
		Surface Treatment	DO NOTHING	\$0.00		99		
		Restoration Treatment	DO NOTHING	\$0.00				99
	II - Good, Non-Load Related		DO NOTHING	\$0.00				
	III - Good, Load Related		DO NOTHING	\$0.00				
	IV - Poor		DO NOTHING	\$0.00				
V - Very Poor		DO NOTHING	\$0.00					

 Functional Class and Surface combination not used
 Selected Treatment is not a Surface Seal

Decision Tree

Printed: 09/27/2019

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Residential/Local	ST	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		DO NOTHING	\$0.00			
		III - Good, Load Related		DO NOTHING	\$0.00			
		IV - Poor		DO NOTHING	\$0.00			
		V - Very Poor		DO NOTHING	\$0.00			

- Functional Class and Surface combination not used
- Selected Treatment is not a Surface Seal

Decision Tree

Printed: 09/27/2019

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Other	AC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		DO NOTHING	\$0.00			
		III - Good, Load Related		DO NOTHING	\$0.00			
		IV - Poor		DO NOTHING	\$0.00			
	V - Very Poor		DO NOTHING	\$0.00				
	AC/AC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		DO NOTHING	\$0.00			
		III - Good, Load Related		DO NOTHING	\$0.00			
		IV - Poor		DO NOTHING	\$0.00			
	V - Very Poor		DO NOTHING	\$0.00				
	AC/PCC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		DO NOTHING	\$0.00			
III - Good, Load Related			DO NOTHING	\$0.00				
IV - Poor			DO NOTHING	\$0.00				
V - Very Poor		DO NOTHING	\$0.00					
PCC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99			
		Surface Treatment	DO NOTHING	\$0.00		99		
		Restoration Treatment	DO NOTHING	\$0.00			100	
	II - Good, Non-Load Related		DO NOTHING	\$0.00				
	III - Good, Load Related		DO NOTHING	\$0.00				
	IV - Poor		DO NOTHING	\$0.00				
V - Very Poor		DO NOTHING	\$0.00					

Functional Class and Surface combination not used
 Selected Treatment is not a Surface Seal

Decision Tree

Printed: 09/27/2019

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Other	ST	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		DO NOTHING	\$0.00			
		III - Good, Load Related		DO NOTHING	\$0.00			
		IV - Poor		DO NOTHING	\$0.00			
		V - Very Poor		DO NOTHING	\$0.00			

- Functional Class and Surface combination not used
- Selected Treatment is not a Surface Seal

	Total Sections	Total Center Miles	Total Lane Miles	Total Area (sq. ft.)	PCI
Arterial	26	4.30	10.67	1,039,425	64
Collector	18	3.16	6.32	485,957	51
Residential/Local	134	15.98	31.57	2,555,684.5	54
Total	178	23.44	48.56	4,081,066.5	
Overall Network PCI as of 9/30/2019:					56

Scenarios - Network Condition Summary

Interest: 3%

Inflation: 3%

Printed: 09/30/2019

Scenario: 5 Year CIP

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2019	\$1,488,141	0%	2022	\$1,020,324	0%			
2020	\$2,001,338	0%	2023	\$840,836	0%			
2021	\$1,502,695	0%	2024	\$1,265,313	0%			

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment	Treated Centerline Miles	Treated Lane Miles
2019	58	62	3.12	8.00
2020	55	64	1.79	3.58
2021	53	65	1.91	3.83
2022	50	66	2.51	5.02
2023	48	65	0.77	1.54
2024	46	67	2.94	5.04

Percent Network Area by Functional Class and Condition Category

Condition in base year 2019, prior to applying treatments.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	9.5%	2.2%	26.1%	0.0%	37.8%
II / III	10.3%	4.5%	7.7%	0.0%	22.5%
IV	5.6%	3.8%	13.3%	0.0%	22.8%
V	0.0%	1.4%	15.5%	0.0%	16.9%
Total	25.5%	11.9%	62.6%	0.0%	100.0%

Condition in year 2019 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	12.4%	2.5%	33.3%	0.0%	48.2%
II / III	7.5%	4.5%	4.0%	0.0%	15.9%
IV	5.6%	3.5%	12.9%	0.0%	22.1%
V	0.0%	1.4%	12.5%	0.0%	13.8%
Total	25.5%	11.9%	62.6%	0.0%	100.0%

Condition in year 2024 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	17.0%	7.6%	40.1%	0.0%	64.7%
II / III	6.7%	1.6%	6.3%	0.0%	14.6%
IV	0.6%	1.2%	3.6%	0.0%	5.4%
V	1.1%	1.5%	12.7%	0.0%	15.4%
Total	25.5%	11.9%	62.6%	0.0%	100.0%

Scenarios - Cost Summary

Interest: 3.00%

Inflation: 3.00%

Printed: 09/30/2019

Scenario: 5 Year CIP

Year	PM	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap			
2019	0%	\$1,488,141	II	\$106,371	Non-Project	\$389	\$0	\$2,928,412	Funded	\$0
			III	\$11,325					Unmet	\$0
			IV	\$57,005	Project	\$3,079				
			V	\$29,172						
			Total	\$203,873						
Project	\$1,257,815									
2020	0%	\$2,001,338	II	\$0	Non-Project	\$0	\$0	\$3,849,388	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$0	Project	\$0				
			V	\$0						
			Total	\$0						
Project	\$2,001,338									
2021	0%	\$1,502,695	II	\$0	Non-Project	\$0	\$0	\$3,985,021	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$0	Project	\$111,567				
			V	\$0						
			Total	\$0						
Project	\$1,391,120									
2022	0%	\$1,020,324	II	\$0	Non-Project	\$0	\$0	\$3,988,354	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$0	Project	\$249,164				
			V	\$0						
			Total	\$0						
Project	\$771,160									
2023	0%	\$840,836	II	\$0	Non-Project	\$0	\$0	\$4,633,064	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$0	Project	\$0				
			V	\$0						
			Total	\$0						
Project	\$840,836									
2024	0%	\$1,265,313	II	\$0	Non-Project	\$0	\$0	\$5,758,619	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$0	Project	\$235,357				
			V	\$0						
			Total	\$0						
Project	\$1,029,956									

Year PM Budget Rehabilitation Preventative Maintenance Surplus PM Deferred Stop Gap

Summary				
Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	\$2,056,223	\$142,900	\$0	\$0
Collector	\$1,388,339	\$64,016	\$0	\$0
Residential/Local	\$4,051,536	\$392,640	\$0	\$0
Grand Total:	\$7,496,098	\$599,556	\$0	\$0

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2019	\$1,488,141	0%	2022	\$1,020,324	0%			
2020	\$2,001,338	0%	2023	\$840,836	0%			
2021	\$1,502,695	0%	2024	\$1,265,313	0%			

Year: 2019

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Area ID	Current PCI	Treatment		Cost	Rating	Treatment
												PCI Before	PCI After			
HELMAN LANE	530ft W of ALDER	1060ft W of ALDER	HELMAN	30	530	22	11,660	C	AC		37	40	100	\$57,005	12,114	EDGE GRD+25% DIG+FAB+3IN OL
													Treatment Total	\$57,005		
BRADEN COURT	MAPLE AVE	END	BRADEN	10	143	27	3,861	R	AC		2	5	100	\$29,172	6,531	FDR
**LINCOLN AVENUE	LORETTO AVE	LA SALLE AVE	LINCOL	10	840	37	31,080	R	AC		15	17	100	\$234,827	6,531	FDR
**LINDEN AVENUE	LINCOLN AVE	LARCH AVE	LINDAV	10	722	33	23,826	R	AC		17	19	100	\$180,019	6,531	FDR
**LINDEN COURT	LINDEN AVE	END	LINDCT	10	285	33	9,405	R	AC		20	22	100	\$71,060	6,531	FDR
**LORETTO AVENUE	BENSON LN	LINCOLN AVE	LORETT	10	741	33	24,453	R	AC		4	7	100	\$184,756	6,531	FDR
													Treatment Total	\$699,834		
ROSS STREET	BRIDGE	CHARLES	ROSS	30	245	16	3,920	R	AC		60	62	100	\$11,325	14,467	THIN OVERLAY
													Treatment Total	\$11,325		
**BENSON LANE	PARK AVE	BRIDGE	BENSON	10	750	18	13,500	R	AC/AC		30	32	100	\$66,000	10,664	OL/IC FAB/WEDGE GRIND/DO
**BENSON LANE	BRIDGE	LORETTO	BENSON	20	160	23	3,680	R	AC		26	28	100	\$17,992	10,726	OL/IC FAB/WEDGE GRIND/DO
**LORETTO AVENUE	BENSON LN	LA SALLE AVE	LORETT	20	970	33	32,010	R	AC		11	13	100	\$156,494	10,745	OL/IC FAB/WEDGE GRIND/DO
													Treatment Total	\$240,486		
JOHN ROBERTS DRIVE	100 W OF LEBEC LN	MACKLIN DR	JONROB	20	520	28	14,560	R	AC		61	63	73	\$10,516	16,586	SLURRY SEAL
KEYT WAY	HAHN WAY	BARRICADE SOUTH/CURB @ #150	KEYTWY	10	532	32	17,024	R	AC		68	69	79	\$12,296	17,809	SLURRY SEAL
McGINNIS CIRCLE	ORH	Park Ave	MCGINN	10	2,000	26	52,000	R	AC		66	67	77	\$37,556	18,405	SLURRY SEAL
SANTERO WAY	E. COTATI AVE	750ft S OF E. COTATI	SANTER	05	750	36	27,000	R	AC		66	67	77	\$19,500	17,613	SLURRY SEAL
WATER ROAD	PAVE CHANGE 393' S/O W SIERRA	PAVE CHANGE 1169' S/O W SIERRA	WATER	15	776	22	36,696	R	AC/AC		64	65	75	\$26,503	18,462	SLURRY SEAL
													Treatment Total	\$106,371		
COMMERCE BLVD	OLD REDWOOD HWY	CITY LIMITS	COMMER	10	1,282	42	53,844	A	AC/AC		79	80	82	\$389	686,499	SEAL CRACKS
**EAST COTATI AVENUE	BEVERLY DR	RR TRACKS	ECOTAT	035	1,173	69	80,937	A	AC/AC		78	79	81	\$641	1,203,310	SEAL CRACKS

** - Treatment from Project Selection

MTC StreetSaver

Scenarios Criteria:

Scenarios - Sections Selected for Treatment

Interest: 3.00%

Inflation: 3.00%

Printed: 09/30/2019

Scenario: 5 Year CIP

Year: 2019

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Area ID	Current PCI	Treatment		Cost	Rating	Treatment	
												PCI Before	PCI After				
**EAST COTATI AVENUE	OLD REDWOOD HWY	MATTERI LN	ECOTAT	10	1,000	69	69,000	A	AC/AC		66	68	71	\$813	477,109	SEAL CRACKS	
**EAST COTATI AVENUE	MATTERI LN	BAYTREE CT	ECOTAT	20	1,187	69	81,903	A	AC/AC		62	64	67	\$986	425,617	SEAL CRACKS	
**EAST COTATI AVENUE	BAYTREE CT	BEVERLY DR	ECOTAT	30	1,092	69	75,348	A	AC/AC		77	78	80	\$639	1,129,947	SEAL CRACKS	
													Treatment Total		\$3,468		
**OLD REDWOOD HWY	WILLIAM	W SIERRA	ORH	30	800	60	48,000	A	AC/PCC		66	68	100	\$346,667	7,889	MILL AND THICK OVERLAY	
													Treatment Total		\$346,667		
Year 2019 Area Total											713,707		Year 2019 Total		\$1,465,156		

Year: 2020

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Area ID	Current PCI	Treatment		Cost	Rating	Treatment	
												PCI Before	PCI After				
**ARTHUR STREET	250ft east of E. Sierra	E. Cotati Ave	ARTHUR	15	350	24	8,400	R	AC		9	8	100	\$65,371	6,341	FDR	
**CHARLES STREET	OLD REDWOOD HWY	E COTATI AVE	CHARLE	10	698	34	23,732	R	AC/AC		16	15	100	\$184,688	6,341	FDR	
**GEORGE STREET	OLD REDWOOD HWY	E SIERRA AVE	GEORGE	10	594	32	19,008	R	AC		43	42	100	\$147,925	6,043	FDR	
**HENRY STREET	OLD REDWOOD HWY	W SIERRA AVE	HENRY	10	747	31	23,157	R	AC		9	8	100	\$180,213	6,341	FDR	
**LA PLAZA	ORH	W. Cotati Ave	LAPLAZ	05	225	48	10,800	R	AC		9	8	100	\$84,048	6,341	FDR	
**LA PLAZA	E. Cotati Ave	E. Sierra Ave	LAPLAZ	33	225	37	8,325	R	AC/AC		28	27	100	\$64,787	6,332	FDR	
**OLAF STREET	W SIERRA AVE	WILLIAM	OLAFST	10	589	34	20,026	R	AC/AC		35	34	100	\$155,847	6,242	FDR	
**VAL PARASIO AVENUE	BRIDGE	W. SIERRA AVE	VALPAR	25B	220	23	5,060	C	AC		25	23	100	\$39,379	7,535	FDR	
**WILLIAM STREET	OLD REDWOOD HWY	OLAF ST	WILLIA	10	637	33	21,021	R	AC/AC		11	10	100	\$163,591	6,341	FDR	
**WEST SIERRA AVENUE	OLD REDWOOD HWY	PAGE ST	WSIERR	10	950	36	34,200	A	AC/AC		41	40	100	\$266,152	9,267	FDR	
													Treatment Total		\$1,352,001		
**LA PLAZA	ORH	E. Cotati Ave	LAPLAZ	25	225	40	9,000	R	AC		63	63	100	\$26,780	13,628	THIN OVERLAY	
													Treatment Total		\$26,780		
**ARTHUR STREET	E. Sierra	250ft east of E. Sierra	ARTHUR	05	250	32	8,000	R	AC		38	37	100	\$40,285	10,216	EDGE GRD+20% DIG+FAB+3IN OL	
**LA PLAZA	W. Cotati Ave.	W. Sierra Ave	LAPLAZ	15	225	45	10,125	R	AC		36	35	100	\$50,985	10,281	EDGE GRD+20% DIG+FAB+3IN OL	
**LA PLAZA	W. Sierra Ave	ORH	LAPLAZ	18	225	38	8,550	R	AC		65	65	100	\$43,054	7,741	EDGE GRD+20% DIG+FAB+3IN OL	

** - Treatment from Project Selection

MTC StreetSaver

Scenarios Criteria:

Scenarios - Sections Selected for Treatment

Interest: 3.00%

Inflation: 3.00%

Printed: 09/30/2019

Scenario: 5 Year CIP

Year: 2020

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Area ID	Current PCI	Treatment		Cost	Rating	Treatment		
												PCI Before	PCI After					
**LA PLAZA	E. Sierra Ave	ORH	LAPLAZ	35	225	37	8,325	R	AC/AC		42	41	100	\$41,921	10,022	EDGE GRD+20% DIG+FAB+3IN OL		
**WEST SIERRA AVENUE	PAGE ST	WATER AVE	WSIERR	20	1,662	36	59,832	A	AC/AC		55	54	100	\$301,288	14,590	EDGE GRD+20% DIG+FAB+3IN OL		
**WEST SIERRA AVENUE	WATER AVE	CITY LIMITS	WSIERR	30	900	32	28,800	A	AC/AC		51	50	100	\$145,024	15,224	EDGE GRD+20% DIG+FAB+3IN OL		
												Treatment Total		\$622,557				
**PARK AVENUE	MYRTLE AVE	MCGINNIS CIR	PARKAV	10	503	34	17,102	R	AC/AC		88	88	89	\$0	0	SEAL CRACKS		
												Treatment Total		\$0				
Year 2020 Area Total										323,463	Year 2020 Total		\$2,001,338					

Year: 2021

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Area ID	Current PCI	Treatment		Cost	Rating	Treatment		
												PCI Before	PCI After					
**CLIFFORD STREET	WEST SCHOOL ST	WEST COTATI AVE	CLIFFO	10	589	25	14,725	R	AC		19	15	100	\$118,032	6,156	FDR		
**WEST COTATI AVENUE	END W. SIDE OF HWY 101	MAPLE AVE	WCOTAT	40	285	34	9,690	R	AC/AC		40	37	100	\$77,673	5,981	FDR		
**WEST COTATI AVENUE	MAPLE AVE	W COTATI OAKS CT	WCOTAT	50	515	32	16,480	R	AC/AC		12	8	100	\$132,099	6,156	FDR		
**WEST COTATI AVENUE	W COTATI OAKS CT	COHEN CT	WCOTAT	60A	994	29	28,826	R	AC/AC		21	17	100	\$231,061	6,156	FDR		
**WEST SCHOOL STREET	W SIERRA AVE	CLIFFORD ST	WSCHOO	10	1,900	28	53,200	R	AC		8	3	100	\$426,435	6,156	FDR		
**WEST SCHOOL STREET	CLIFFORD ST	300FT W OF CLIFFORD	WSCHOO	20	300	17	5,100	R	AC/AC		28	25	100	\$40,881	6,154	FDR		
**WEST SCHOOL STREET	300FT W OF CLIFFORD	MAPLE AVE	WSCHOO	30	712	21	14,952	R	AC/AC		31	28	100	\$119,851	6,144	FDR		
**WEST SCHOOL STREET	MAPLE AVE	RICHARDSON RD	WSCHOO	40	1,092	28	30,576	R	AC/AC		20	16	100	\$245,088	6,156	FDR		
												Treatment Total		\$1,391,120				
**EUCALYPTUS AVENUE	ORH	CITY LIMIT	EUCALY	10	1,000	34	34,000	C	AC		60	56	67	\$26,051	13,979	SLURRY SEAL		
**LANCASTER DRIVE	E COTATI AVE	CITY LIMITS	LANCAS	10	440	37	16,280	C	AC		93	91	95	\$12,474	13,970	SLURRY SEAL		
**OLD REDWOOD HWY	MYRTLE AVE	LASKER LN	ORH	60B	730	54	39,420	A	AC	S - Sampling	64	61	71	\$30,204	20,825	SLURRY SEAL		
**OLD REDWOOD HWY	LASKER	EUCALYPTUS	ORH	70	1,000	51	51,000	A	AC	S - Sampling	67	64	74	\$39,077	21,403	SLURRY SEAL		
**PRIMERO COURT	PORTAL ST	END	PRIMER	10	143	34	4,862	R	AC		42	39	57	\$3,726	13,493	SLURRY SEAL		
												Treatment Total		\$111,532				
**WEST COTATI AVENUE	COHEN CT	CREEK	WCOTAT	60B	407	29	11,803	R	AC/AC		87	86	87	\$35	1,087,588	SEAL CRACKS		

** - Treatment from Project Selection

MTC StreetSaver

Scenarios Criteria:

Scenarios - Sections Selected for Treatment

Interest: 3.00%

Inflation: 3.00%

Printed: 09/30/2019

Scenario: 5 Year CIP

											Treatment Total		\$35					
											Year 2021 Area Total		330,914		Year 2021 Total		\$1,502,687	
											Treatment Total		\$414,790					
											Treatment Total		\$356,370					
											Treatment Total		\$249,164					
											Year 2022 Area Total		432,660		Year 2022 Total		\$1,020,324	
Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Area ID	Current PCI	Treatment PCI Before	PCI After	Cost	Rating	Treatment		
**JOHN ROBERTS DRIVE	AGUIRE WY	100 W OF LEBEC LN	JONROB	10	770	32	24,640	R	AC		15	7	100	\$203,432	5,977	FDR		
**OLD REDWOOD HWY	PAGE ST	VETERANS BLDG	ORH	50	800	32	25,600	A	AC/AC	S - Sampling	28	18	100	\$211,358	9,060	FDR		
**MYRTLE AVENUE	50 FT W OF WREN	KEPPEL WAY	MYRTLE	20	1,140	34	38,760	C	AC/AC		37	29	100	\$207,065	11,313	EDGE GRD+20% DIG+FAB+3IN OL		
**MYRTLE AVENUE	KEPPEL WAY	CITY LIMITS	MYRTLE	30	822	34	27,948	C	AC/AC		51	45	100	\$149,305	10,756	EDGE GRD+20% DIG+FAB+3IN OL		
**AGUIRRE COURT	AGUIRRE WY	END	AGIUCT	10	224	32	7,168	R	AC		81	78	86	\$5,657	15,984	SLURRY SEAL		
**AGUIRRE WAY	MYRTLE AE	VERONDA AVE	AGUIWY	10	560	32	17,920	R	AC		83	80	87	\$14,143	15,393	SLURRY SEAL		
**EAGLE DRIVE	FALCON DR	WREN	EAGLE	10	1,000	24	24,000	R	AC		82	79	86	\$18,941	15,694	SLURRY SEAL		
**FLAMINGO ROAD	FALCON DR	EAGLE DR	FLAMIN	10	540	32	17,280	R	AC		86	83	90	\$13,638	14,010	SLURRY SEAL		
**HAHN WAY	END	VERONDA WY	HAHNWY	10	1,070	32	34,240	R	AC		85	82	89	\$27,022	14,536	SLURRY SEAL		
**KEPPEL WAY	MYRTLE AVE	VERONDA WY	KEPPEL	10	685	32	21,920	R	AC		76	73	81	\$17,300	16,456	SLURRY SEAL		
**LARK DRIVE	MYRTLE AVE	EAGLE DR	LARKDR	10	333	24	7,992	R	AC		86	83	90	\$6,308	14,019	SLURRY SEAL		
**MENDELSONH COURT	MACKLIN DR	END	MENDEL	10	494	32	15,808	R	AC		79	76	84	\$12,476	16,304	SLURRY SEAL		
**MIWOK COURT	HAHN WAY	END	MIWOK	10	176	32	5,632	R	AC		82	79	86	\$4,445	15,702	SLURRY SEAL		
**MYRTLE AVENUE	OLD REDWOOD HIGHWAY	50 FT W OF WREN	MYRTLE	10	950	34	32,300	C	AC/AC		56	51	64	\$25,491	17,370	SLURRY SEAL		
**OLD REDWOOD HWY	VETERANS BLDG	MYRTLE AVE	ORH	60A	485	54	26,190	A	AC	S - Sampling	40	32	54	\$20,669	15,806	SLURRY SEAL		
**PARK AVENUE	MYRTLE AVE	MCGINNIS CIR	PARKAV	10	503	34	17,102	R	AC/AC		88	86	92	\$13,497	11,659	SLURRY SEAL		
**SANTERO WAY	1575ft S OF E. COTATI	CUL DE SAC	SANTER	25	440	36	15,840	R	AC		57	52	65	\$12,501	14,399	SLURRY SEAL		
**SKILLING COURT	MACKLIN DR	END	SKILLI	10	447	32	14,304	R	AC		77	74	82	\$11,289	16,435	SLURRY SEAL		
**VERONDA WAY	MYRTLE AVE	AGUIRRE WY (E INT)	VEROND	10	1,028	32	32,896	R	AC		83	80	87	\$25,962	15,400	SLURRY SEAL		
**VERONDA WAY	AGUIRRE WY (E INT)	KEYT WY	VEROND	20	785	32	25,120	R	AC		73	69	79	\$19,825	16,301	SLURRY SEAL		

** - Treatment from Project Selection

MTC StreetSaver

Scenarios Criteria:

Scenarios - Sections Selected for Treatment

Interest: 3.00%

Inflation: 3.00%

Printed: 09/30/2019

Scenario: 5 Year CIP

Year: 2023

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Area ID	Current PCI	Treatment		Cost	Rating	Treatment		
												PCI Before	PCI After					
**CYPRESS AVENUE	W SIERRA AVE	120 S/O LUND	CYPRES	10	2,010	30	60,300	C	AC/AC		35	23	100	\$512,782	6,896	FDR		
**CYPRESS AVENUE	120 S/O LUND	CITY LIMITS	CYPRES	15	1,400	15	21,000	C	AC/AC		15	0	100	\$178,581	6,896	FDR		
**ORETSKY WAY	CYPRESS AVE	CYPRESS AVE	ORETSK	10	651	27	17,577	R	AC		19	8	100	\$149,473	5,803	FDR		
												Treatment Total		\$840,836				
Year 2023 Area Total										98,877	Year 2023 Total		\$840,836					

Year: 2024

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Area ID	Current PCI	Treatment		Cost	Rating	Treatment		
												PCI Before	PCI After					
**REDWOOD DRIVE NB	300FT S OF HOUSER	AARON ST	REDWNB	55	800	25	20,000	A	AC/AC	S - Sampling	27	6	100	\$175,180	8,540	FDR		
**REDWOOD DRIVE NB	AARON ST	PORTAL ST	REDWNB	60	500	25	12,500	A	AC/AC		23	0	100	\$109,487	8,540	FDR		
**REDWOOD DRIVE SB	300FT S OF HOUSER	AARON ST	REDWSB	55.1	800	25	20,000	A	AC/AC	S - Sampling	37	20	100	\$175,180	8,540	FDR		
												Treatment Total		\$459,847				
**VAL PARASIO AVENUE	OLD REDWOOD HWY	LUND HILL LN	VALPAR	10	1,045	30	31,350	C	AC/AC		62	53	100	\$104,992	15,920	THIN OVERLAY		
												Treatment Total		\$104,992				
**REDWOOD DRIVE NB	PORTAL	NORTHERN CITY LIMIT	REDWNB	70	500	25	12,500	A	AC	S - Sampling	48	34	100	\$70,845	14,758	EDGE GRD+20% DIG+FAB+3IN OL		
**REDWOOD DRIVE	SANTA ROSA CREEK	300FT S OF HOUSER	REDWOO	35	400	50	20,000	A	AC/AC	S - Sampling	34	16	100	\$113,352	14,906	EDGE GRD+20% DIG+FAB+3IN OL		
**REDWOOD DRIVE SB	AARON ST	PORTAL	REDWSB	60.1	500	25	12,500	A	AC/AC	S - Sampling	47	33	100	\$70,845	14,776	EDGE GRD+20% DIG+FAB+3IN OL		
**REDWOOD DRIVE SB	PORTAL	NORTHERN CITY LIMIT	REDWSB	70.1	500	25	12,500	A	AC	S - Sampling	40	24	100	\$70,845	14,906	EDGE GRD+20% DIG+FAB+3IN OL		
**VAL PARASIO AVENUE	LUND HILL LN	NINA CT	VALPAR	15	465	28	13,020	C	AC		39	16	100	\$73,792	10,685	EDGE GRD+20% DIG+FAB+3IN OL		
**VAL PARASIO AVENUE	NINA CT	BRIDGE	VALPAR	25A	502	23	11,546	C	AC		48	28	100	\$65,438	10,649	EDGE GRD+20% DIG+FAB+3IN OL		
												Treatment Total		\$465,117				
**AHLSTROM CIRCLE	WILFORD LN	WILFORD CIRCLE	AHLSCI	10	532	32	17,024	R	AC		84	78	85	\$14,254	15,104	SLURRY SEAL		
**AHLSTROM DRIVE	WILFORD LN	GILBERT WAY	AHLSDR	10	266	32	8,512	R	AC		53	44	60	\$7,127	13,863	SLURRY SEAL		
**ALDER AVENUE	HWY 116	CITY LIMITS	ALDER	10	752	30	22,560	R	AC		73	68	77	\$18,889	16,942	SLURRY SEAL		
**ALDER AVENUE	HELMAN LN	BLODGETT	ALDER	20	475	40	19,000	R	AC		64	57	68	\$15,908	15,874	SLURRY SEAL		
**GILBERT WAY	WILFORD LN	END	GILBWY	10	708	32	22,656	R	AC		83	77	85	\$18,969	15,260	SLURRY SEAL		
**GRAVENSTEIN WAY	OLD REDWOOD HWY	BRIDGE	GRAVEN	10	998	30	29,940	R	AC		87	80	88	\$25,068	14,286	SLURRY SEAL		
**GRAVENSTEIN WAY	BRIDGE	BRIDGE	GRAVEN	20	1,105	28	30,940	R	AC		72	67	76	\$25,905	19,314	SLURRY SEAL		

** - Treatment from Project Selection

MTC StreetSaver

Scenarios Criteria:

Scenarios - Sections Selected for Treatment

Interest: 3.00%

Inflation: 3.00%

Printed: 09/30/2019

Scenario: 5 Year CIP

Year: 2024

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Area ID	Current PCI	Treatment		Cost	Rating	Treatment
												PCI Before	PCI After			
**LOCUST AVENUE	DERBY LN	END	LOCUST	10	850	14	11,900	R	AC/AC		72	67	77	\$9,964	19,879	SLURRY SEAL
**PINWOOD COURT	WILFORD LN	END	PINECT	10	366	32	11,712	R	AC		65	57	68	\$9,806	14,027	SLURRY SEAL
**PINWOOD WAY	GRAVENSTEIN WY	WILFORD LN	PINEWY	10	342	32	10,944	R	AC		72	65	75	\$9,163	14,921	SLURRY SEAL
**REDWOOD DRIVE	HWY 116	END	REDWOO	10	200	36	7,200	R	AC		56	47	61	\$6,029	13,062	SLURRY SEAL
**REDWOOD DRIVE	HWY 116	50 FTS OF HELMAN LN	REDWOO	20	900	34	30,600	A	AC		65	54	66	\$25,620	20,246	SLURRY SEAL
**REDWOOD DRIVE	50 FT S OF HELMAN LN	SANTA ROSA CREEK	REDWOO	30	1,140	25	28,500	A	AC/AC		88	85	91	\$23,862	39,571	SLURRY SEAL
**TREBINO COURT	BLODGETT ST	CUL-DE-SAC	TREBIN	10	300	40	12,000	R	AC		67	61	71	\$10,048	16,919	SLURRY SEAL
**WILFORD LANE	GRAVENSTEIN WAY	AHLSTROM CIR	WILFLN	30	587	30	17,610	R	AC		74	67	77	\$14,745	15,153	SLURRY SEAL

													Treatment Total	\$235,357		
													Year 2024 Area Total	447,014		
													Year 2024 Total	\$1,265,313		
													Total Section Area:	2,346,635		
													Grand Total	\$8,095,654		

** - Treatment from Project Selection

MTC StreetSaver

Scenarios Criteria:

Year	Budget	PM	Year	Budget	PM
2019	\$1,488,141	0%	2022	\$1,020,324	0%
2020	\$2,001,338	0%	2023	\$840,836	0%
2021	\$1,502,695	0%	2024	\$1,265,313	0%

Street Name	Beg Location	End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
AARON STREET	REDWOOD DR	PORTAL ST	AARON	10	23	28		\$0
2019 24	2020 21	2021 18	2022 14	2023 11	2024 7			
**AGUIRRE COURT	AGUIRRE WY	END	AGIUCT	10	82	84	2022	\$5,657
2019 82	2020 81	2021 79	2022 86	2023 85	2024 83			
**AGUIRRE WAY	MYRTLE AE	VERONDA AVE	AGUIWY	10	84	87	2022	\$14,143
2019 84	2020 83	2021 81	2022 87	2023 86	2024 85			
AGUIRRE WAY	LEBEC LN	VERONDA AVE	AGUIWY	20	18	23		\$0
2019 19	2020 16	2021 12	2022 9	2023 5	2024 1			
**AHLSTROM CIRCLE	WILFORD LN	WILFORD CIRCLE	AHLSCI	10	85	88	2024	\$14,254
2019 85	2020 84	2021 82	2022 81	2023 79	2024 85			
**AHLSTROM DRIVE	WILFORD LN	GILBERT WAY	AHLSDR	10	54	57	2024	\$7,127
2019 55	2020 53	2021 51	2022 49	2023 47	2024 60			
**ALDER AVENUE	HWY 116	CITY LIMITS	ALDER	10	74	76	2024	\$18,889
2019 74	2020 73	2021 72	2022 70	2023 69	2024 77			
**ALDER AVENUE	HELMAN LN	BLODGETT	ALDER	20	65	67	2024	\$15,908
2019 65	2020 64	2021 62	2022 61	2023 59	2024 68			

** - Treatment from Project Selection

Street Name	Beg Location						End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
AMBER LANE	WOODLAND HILLS						END	AMBER	10	31	35		\$0
	2019	2020	2021	2022	2023	2024							
	32	29	26	23	20	17							
**ARTHUR STREET	E. Sierra						250ft east of E. Sierra	ARTHUR	05	39	43	2020	\$40,285
	2019	2020	2021	2022	2023	2024							
	40	100	92	90	88	87							
**ARTHUR STREET	250ft east of E. Sierra						E. Cotati Ave	ARTHUR	15	10	16	2020	\$65,371
	2019	2020	2021	2022	2023	2024							
	12	100	92	90	88	86							
**BENSON LANE	PARK AVE						BRIDGE	BENSON	10	31	35	2019	\$66,000
	2019	2020	2021	2022	2023	2024							
	100	92	90	88	87	85							
**BENSON LANE	BRIDGE						LORETTO	BENSON	20	27	32	2019	\$17,992
	2019	2020	2021	2022	2023	2024							
	100	92	90	88	87	85							
BLODGETT STREET	END						END	BLODGE	10	64	67		\$0
	2019	2020	2021	2022	2023	2024							
	64	63	61	59	57	56							
BRADEN COURT	MAPLE AVE						END	BRADEN	10	3	9	2019	\$29,172
	2019	2020	2021	2022	2023	2024							
	100	92	90	88	86	84							
CERVANTES COURT	WATER RD						CUL DE SAC	CERVAN	10	79	81		\$0
	2019	2020	2021	2022	2023	2024							
	79	78	77	76	75	74							
CHADWICK WAY	CUL DE SAC						CUL DE SAC	CHADWI	10	83	86		\$0
	2019	2020	2021	2022	2023	2024							
	83	82	80	79	77	76							
**CHARLES STREET	OLD REDWOOD HWY						E COTATI AVE	CHARLE	10	17	21	2020	\$184,688
	2019	2020	2021	2022	2023	2024							
	18	100	92	90	88	86							
CHRISTENSEN COURT	E SCHOOL ST						END	CHRIST	10	78	80		\$0
	2019	2020	2021	2022	2023	2024							
	78	77	75	74	72	70							

** - Treatment from Project Selection

Street Name	Beg Location						End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
**CLIFFORD STREET	WEST SCHOOL ST						WEST COTATI AVE	CLIFFO	10	20	25	2021	\$118,032
2019	2020	2021	2022	2023	2024								
21	18	100	92	90	88								
CLOTHIER LANE	OLD REDWOOD HWY						END	CLOTHI	10	79	81		\$0
2019	2020	2021	2022	2023	2024								
79	78	76	75	73	71								
COMMERCE BLVD	OLD REDWOOD HWY						CITY LIMITS	COMMER	10	80	82	2019	\$389
2019	2020	2021	2022	2023	2024								
82	81	79	77	76	74								
CONDOR COURT	EAGLE DR						END	CONDOR	10	23	28		\$0
2019	2020	2021	2022	2023	2024								
24	21	18	14	11	7								
**CYPRESS AVENUE	W SIERRA AVE						120 S/O LUND	CYPRES	10	36	41	2023	\$512,782
2019	2020	2021	2022	2023	2024								
37	34	30	27	100	95								
**CYPRESS AVENUE	120 S/O LUND						CITY LIMITS	CYPRES	15	16	23	2023	\$178,581
2019	2020	2021	2022	2023	2024								
18	14	9	4	100	95								
DELANO STREET	HENRY ST						PAGE ST	DELANO	10	29	33		\$0
2019	2020	2021	2022	2023	2024								
30	27	24	21	18	14								
DERBY LANE	HWY 116						CITY LIMITS	DERBY	10	12	17		\$0
2019	2020	2021	2022	2023	2024								
13	10	6	2	0	0								
DORFMAN DRIVE	CLOTHIER						END	DORFDT	10	83	86		\$0
2019	2020	2021	2022	2023	2024								
83	82	80	79	77	76								
DYQUISTO WAY	E. COTATI AVE						END	DYQUIS	10	84	87		\$0
2019	2020	2021	2022	2023	2024								
84	83	81	80	78	77								
**EAGLE DRIVE	FALCON DR						WREN	EAGLE	10	83	86	2022	\$18,941
2019	2020	2021	2022	2023	2024								
83	82	80	86	86	84								

** - Treatment from Project Selection

Street Name	Beg Location						End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
**EAST COTATI AVENUE	BEVERLY DR						RR TRACKS	ECOTAT	035	79	81	2019	\$641
	2019	2020	2021	2022	2023	2024							
	81	81	80	78	77	75							
EAST COTATI AVENUE	RR TRACKS						CITY LIMITS	ECOTAT	045	41	46		\$0
	2019	2020	2021	2022	2023	2024							
	42	39	36	32	28	24							
**EAST COTATI AVENUE	OLD REDWOOD HWY						MATTERI LN	ECOTAT	10	67	70	2019	\$813
	2019	2020	2021	2022	2023	2024							
	71	69	67	64	62	60							
**EAST COTATI AVENUE	MATTERI LN						BAYTREE CT	ECOTAT	20	63	67	2019	\$986
	2019	2020	2021	2022	2023	2024							
	67	65	62	60	57	55							
**EAST COTATI AVENUE	BAYTREE CT						BEVERLY DR	ECOTAT	30	78	80	2019	\$639
	2019	2020	2021	2022	2023	2024							
	80	80	79	77	76	74							
EL RANCHO DRIVE	E SCHOOL ST						W COTATI AVE	ELRANC	10	28	32		\$0
	2019	2020	2021	2022	2023	2024							
	29	26	24	21	18	16							
EAST SCHOOL STREET	EL RANCHO						END	ESCHOO	05	84	86		\$0
	2019	2020	2021	2022	2023	2024							
	84	83	81	80	79	77							
EAST SCHOOL STREET	EL RANCHO						W SIERRA	ESCHOO	10	84	86		\$0
	2019	2020	2021	2022	2023	2024							
	84	83	81	80	79	77							
EAST SIERRA AVENUE	LA PLAZA						ARTHUR ST	ESIERR	10	75	77		\$0
	2019	2020	2021	2022	2023	2024							
	75	74	72	71	69	67							
EAST SIERRA AVENUE	ARTHUR ST						CHADWICK WY	ESIERR	20	90	94		\$0
	2019	2020	2021	2022	2023	2024							
	91	89	87	85	84	82							
**EUCALYPTUS AVENUE	ORH						CITIY LIMIT	EUCALY	10	61	66	2021	\$26,051
	2019	2020	2021	2022	2023	2024							
	62	59	67	66	63	60							

** - Treatment from Project Selection

Street Name	Beg Location						End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
FALCON DRIVE	MYRTLE AVE						EAGLE DR	FALCON	10	71	74		\$0
	2019 71	2020 70	2021 68	2022 66	2023 65	2024 63							
FEHLER LANE	VAL PARASIO AVE						JAGLE ST	FEHLER	10	91	90		\$0
	2019 88	2020 86	2021 84	2022 83	2023 81	2024 80							
**FLAMINGO ROAD	FALCON DR						EAGLE DR	FLAMIN	10	87	90	2022	\$13,638
	2019 87	2020 86	2021 84	2022 90	2023 89	2024 87							
FORNO WAY	VALPARASIO AVE						VALPARASIO AVE	FORNO	10	86	89		\$0
	2019 86	2020 85	2021 83	2022 82	2023 80	2024 78							
**GEORGE STREET	OLD REDWOOD HWY						E SIERRA AVE	GEORGE	10	44	48	2020	\$147,925
	2019 45	2020 100	2021 92	2022 90	2023 88	2024 86							
GILBERT COURT	WILFORD LN						END	GILBCT	10	83	86		\$0
	2019 83	2020 82	2021 80	2022 79	2023 77	2024 76							
**GILBERT WAY	WILFORD LN						END	GILBWY	10	84	87	2024	\$18,969
	2019 84	2020 83	2021 81	2022 80	2023 78	2024 85							
GILMAN RANCH ROAD	W COTATI AVE						END	GILMANRD	10	84	87		\$0
	2019 84	2020 83	2021 81	2022 80	2023 78	2024 77							
**GRAVENSTEIN WAY	OLD REDWOOD HWY						BRIDGE	GRAVEN	10	88	91	2024	\$25,068
	2019 89	2020 87	2021 85	2022 83	2023 82	2024 88							
**GRAVENSTEIN WAY	BRIDGE						BRIDGE	GRAVEN	20	73	75	2024	\$25,905
	2019 73	2020 72	2021 71	2022 70	2023 68	2024 76							
**HAHN WAY	END						VERONDA WY	HAHNWY	10	86	89	2022	\$27,022
	2019 86	2020 85	2021 83	2022 89	2023 88	2024 86							

** - Treatment from Project Selection

Street Name	Beg Location	End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
HELMAN LANE	REDWOOD DR	1300ft W of REDWOOD DR	HELMAN	10	48	54		\$0
2019 50	2020 46	2021 42	2022 37	2023 32	2024 27			
HELMAN LANE	1300ft W of REDWOOD	530ft W of ALDER	HELMAN	20	33	38		\$0
2019 34	2020 31	2021 27	2022 24	2023 20	2024 15			
HELMAN LANE	530ft W of ALDER	1060ft W of ALDER	HELMAN	30	38	45	2019	\$57,005
2019 100	2020 90	2021 88	2022 86	2023 84	2024 83			
HELMAN LANE	1060ft W of ALDER	CITY LIMITS	HELMAN	40	57	60		\$0
2019 58	2020 56	2021 53	2022 51	2023 48	2024 46			
**HENRY STREET	OLD REDWOOD HWY	W SIERRA AVE	HENRY	10	10	16	2020	\$180,213
2019 12	2020 100	2021 92	2022 90	2023 88	2024 86			
HONOR PLACE	CUL DE SAC SW OF DORFMANN DR	DEAD END NE	HONOR	10	79	81		\$0
2019 79	2020 78	2021 76	2022 75	2023 73	2024 71			
HOUSER STREET	REDWOOD	AARON ST	HOUSER	10	21	25		\$0
2019 22	2020 19	2021 16	2022 14	2023 10	2024 7			
ISSEL COURT	WATER RD	END	ISSEL	10	75	77		\$0
2019 75	2020 74	2021 72	2022 71	2023 69	2024 67			
JAGLE STREET	LUND HILL LN	FEHLER LN	JAGLE	10	77	79		\$0
2019 77	2020 76	2021 74	2022 73	2023 71	2024 69			
**JOHN ROBERTS DRIVE	AGUIRE WY	100 W OF LEBEC LN	JONROB	10	16	21	2022	\$203,432
2019 17	2020 14	2021 10	2022 100	2023 92	2024 90			
JOHN ROBERTS DRIVE	100 W OF LEBEC LN	MACKLIN DR	JONROB	20	62	65	2019	\$10,516
2019 73	2020 72	2021 70	2022 69	2023 67	2024 65			

** - Treatment from Project Selection

Street Name	Beg Location						End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
JORGENSEN STREET	MCGINNIS CIR						PARK AVE	JORGEN	10	82	84		\$0
	2019 82	2020 81	2021 79	2022 78	2023 76	2024 75							
**KEPPEL WAY	MYRTLE AVE						VERONDA WY	KEPPEL	10	77	79	2022	\$17,300
	2019 77	2020 76	2021 74	2022 81	2023 80	2024 79							
KEYT WAY	HAHN WAY						BARRICADE SOUTH/CURB @ #150	KEYTWY	10	69	72	2019	\$12,296
	2019 79	2020 78	2021 76	2022 75	2023 73	2024 71							
LAKWOOD AVENUE	LINCOLN AVE						LA SALLE AVE	LAKESD	10	100	100		\$0
	2019 100	2020 94	2021 91	2022 89	2023 87	2024 85							
**LANCASTER DRIVE	E COTATI AVE						CITY LIMITS	LANCAS	10	94	100	2021	\$12,474
	2019 95	2020 93	2021 95	2022 94	2023 92	2024 90							
**LA PLAZA	ORH						W. Cotati Ave	LAPLAZ	05	10	16	2020	\$84,048
	2019 12	2020 100	2021 92	2022 90	2023 88	2024 86							
**LA PLAZA	W. Cotati Ave.						W. Sierra Ave	LAPLAZ	15	37	41	2020	\$50,985
	2019 38	2020 100	2021 92	2022 90	2023 88	2024 87							
**LA PLAZA	W. Sierra Ave						ORH	LAPLAZ	18	66	69	2020	\$43,054
	2019 66	2020 100	2021 92	2022 90	2023 88	2024 87							
**LA PLAZA	ORH						E. Cotati Ave	LAPLAZ	25	64	67	2020	\$26,780
	2019 65	2020 100	2021 92	2022 90	2023 88	2024 87							
**LA PLAZA	E. Cotati Ave						E. Sierra Ave	LAPLAZ	33	29	33	2020	\$64,787
	2019 30	2020 100	2021 92	2022 90	2023 88	2024 86							
**LA PLAZA	E. Sierra Ave						ORH	LAPLAZ	35	43	47	2020	\$41,921
	2019 44	2020 100	2021 92	2022 90	2023 88	2024 87							

** - Treatment from Project Selection

Street Name	Beg Location					End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
LARCH AVENUE	LINCOLN AVE					LASALLE AVE	LARCH	10	99	100		\$0
2019 100	2020 94	2021 91	2022 89	2023 87	2024 85							
**LARK DRIVE	MYRTLE AVE					EAGLE DR	LARKDR	10	87	90	2022	\$6,308
2019 87	2020 86	2021 84	2022 90	2023 89	2024 87							
LARKSPUR COURT	LA SALLE AVE					END	LARKSP	10	100	100		\$0
2019 100	2020 94	2021 91	2022 89	2023 87	2024 85							
LA SALLE AVENUE	E COTATI AVE					LARKSPUR CT	LASALL	10	98	100		\$0
2019 100	2020 92	2021 89	2022 87	2023 85	2024 84							
LA SALLE AVENUE	LARKSPUR CT					LORETTO AVE	LASALL	20	97	100		\$0
2019 100	2020 92	2021 89	2022 87	2023 85	2024 84							
LASKER LANE	OLD REDWOOD HWY					DORFMAN	LASKER	10	39	43		\$0
2019 40	2020 37	2021 35	2022 32	2023 29	2024 26							
LEBEC LANE	EUCALYPTUS AVE					JOHN ROBERTS DR	LEBEC	10	15	20		\$0
2019 16	2020 13	2021 9	2022 5	2023 1	2024 0							
**LINCOLN AVENUE	LORETTO AVE					LA SALLE AVE	LINCOL	10	16	21	2019	\$234,827
2019 100	2020 92	2021 90	2022 88	2023 86	2024 84							
LINCOLN AVENUE	LA SALLE AVE					CITY LIMITS	LINCOL	20	100	100		\$0
2019 100	2020 94	2021 91	2022 89	2023 88	2024 86							
**LINDEN AVENUE	LINCOLN AVE					LARCH AVE	LINDAV	10	18	23	2019	\$180,019
2019 100	2020 92	2021 90	2022 88	2023 86	2024 84							
**LINDEN COURT	LINDEN AVE					END	LINDCT	10	21	26	2019	\$71,060
2019 100	2020 92	2021 90	2022 88	2023 86	2024 84							

** - Treatment from Project Selection

Street Name	Beg Location						End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
LIPTON STREET	LANCASTER DR						E COTATI AVE	LIPTON	10	89	92		\$0
	2019 90	2020 88	2021 86	2022 84	2023 83	2024 81							
**LOCUST AVENUE	DERBY LN						END	LOCUST	10	73	75	2024	\$9,964
	2019 73	2020 72	2021 71	2022 70	2023 69	2024 77							
LOGAN PLACE	CYPRESS AVE						END	LOGANPL	10	83	86		\$0
	2019 83	2020 82	2021 80	2022 79	2023 77	2024 76							
LOMA LINDA COURT	LOMA LINDA DR						END	LOMACT	10	80	82		\$0
	2019 80	2020 79	2021 77	2022 76	2023 74	2024 72							
LOMA LINDA DRIVE	WATER RD						END	LOMADR	10	79	81		\$0
	2019 79	2020 78	2021 76	2022 75	2023 73	2024 71							
**LORETTO AVENUE	BENSON LN						LINCOLN AVE	LORETT	10	5	11	2019	\$184,756
	2019 100	2020 92	2021 90	2022 88	2023 86	2024 84							
**LORETTO AVENUE	BENSON LN						LA SALLE AVE	LORETT	20	12	17	2019	\$156,494
	2019 100	2020 92	2021 90	2022 88	2023 87	2024 85							
LUND HILL LANE	VAL PARASIO AVE						JAGLE ST	LUNDHI	10	46	49		\$0
	2019 47	2020 45	2021 42	2022 40	2023 38	2024 36							
LUND HILL LANE	JAGLE ST						CYPRESS AVE	LUNDHI	20	36	40		\$0
	2019 37	2020 34	2021 32	2022 29	2023 26	2024 23							
MACKLIN DRIVE	MYRTLE AVE						JOHN ROBERTS DR	MACKLI	10	45	48		\$0
	2019 46	2020 43	2021 41	2022 39	2023 36	2024 33							
MADRONE AVENUE	DERBY						CITY LIMITS	MADRON	10	6	16		\$0
	2019 9	2020 2	2021 0	2022 0	2023 0	2024 0							

** - Treatment from Project Selection

Street Name	Beg Location					End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
MAPLE AVENUE	SCHOOL ST					W COTATI AVE	MAPLE	05	83	85		\$0
	2019 83	2020 82	2021 80	2022 79	2023 78	2024 76						
MAPLE AVENUE	W COTATI AVE					END NEAR HWY 101	MAPLE	20	80	82		\$0
	2019 80	2020 79	2021 77	2022 76	2023 75	2024 73						
MARSH WAY	E COTATI AVE					END	MARSH	10	56	59		\$0
	2019 57	2020 55	2021 53	2022 50	2023 48	2024 46						
McGINNIS CIRCLE	ORH					Park Ave	MCGINN	10	67	70	2019	\$37,556
	2019 77	2020 76	2021 74	2022 73	2023 71	2024 70						
**MENDELSONH COURT	MACKLIN DR					END	MENDEL	10	80	82	2022	\$12,476
	2019 80	2020 79	2021 77	2022 84	2023 83	2024 82						
MERCANTILE DRIVE	PORTAL ST					AARON ST	MERCAN	10	36	40		\$0
	2019 37	2020 34	2021 32	2022 29	2023 26	2024 23						
**MIWOK COURT	HAHN WAY					END	MIWOK	10	83	86	2022	\$4,445
	2019 83	2020 82	2021 80	2022 86	2023 86	2024 84						
**MYRTLE AVENUE	OLD REDWOOD HIGHWAY					50 FT W OF WREN	MYRTLE	10	57	60	2022	\$25,491
	2019 58	2020 56	2021 53	2022 64	2023 63	2024 61						
**MYRTLE AVENUE	50 FT W OF WREN					KEPPEL WAY	MYRTLE	20	38	43	2022	\$207,065
	2019 39	2020 36	2021 33	2022 100	2023 90	2024 88						
**MYRTLE AVENUE	KEPPEL WAY					CITY LIMITS	MYRTLE	30	52	56	2022	\$149,305
	2019 53	2020 50	2021 48	2022 100	2023 90	2024 88						
**OLAF STREET	W SIERRA AVE					WILLIAM	OLAFST	10	36	40	2020	\$155,847
	2019 37	2020 100	2021 92	2022 90	2023 88	2024 86						

** - Treatment from Project Selection

Street Name	Beg Location	End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
**ORETSKY WAY	CYPRESS AVE	CYPRESS AVE	ORETSK	10	20	25	2023	\$149,473
2019 21	2020 18	2021 15	2022 11	2023 100	2024 92			
OLD REDWOOD HWY	COMMERCE	ST JOSEPH	ORH	10	83	86		\$0
2019 84	2020 82	2021 79	2022 77	2023 75	2024 73			
OLD REDWOOD HWY	ST JOSEPH	WILLIAM	ORH	20	84	87		\$0
2019 85	2020 83	2021 80	2022 78	2023 76	2024 74			
**OLD REDWOOD HWY	WILLIAM	W SIERRA	ORH	30	67	70	2019	\$346,667
2019 100	2020 90	2021 88	2022 86	2023 84	2024 83			
OLD REDWOOD HWY	W SIERRA	PAGE ST	ORH	40	91	93		\$0
2019 91	2020 90	2021 89	2022 88	2023 87	2024 86			
**OLD REDWOOD HWY	PAGE ST	VETERANS BLDG	ORH	50	29	35	2022	\$211,358
2019 31	2020 27	2021 22	2022 100	2023 91	2024 89			
**OLD REDWOOD HWY	VETERANS BLDG	MYRTLE AVE	ORH	60A	41	46	2022	\$20,669
2019 42	2020 39	2021 35	2022 54	2023 51	2024 48			
**OLD REDWOOD HWY	MYRTLE AVE	LASKER LN	ORH	60B	65	69	2021	\$30,204
2019 66	2020 63	2021 71	2022 69	2023 67	2024 64			
**OLD REDWOOD HWY	LASKER	EUCALYPTUS	ORH	70	68	72	2021	\$39,077
2019 69	2020 66	2021 74	2022 72	2023 69	2024 67			
PAGE STREET	OLD REDWOOD HWY	DELANO CREEK ST	PAGEST	10	86	88		\$0
2019 86	2020 85	2021 83	2022 82	2023 81	2024 79			
PAGE STREET	50 FT W OF RAMBLE CREEK W SIERRA AVE		PAGEST	20	16	21		\$0
2019 17	2020 14	2021 10	2022 7	2023 3	2024 0			

** - Treatment from Project Selection

Street Name	Beg Location					End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
**PARK AVENUE	MYRTLE AVE					MCGINNIS CIR	PARKAV	10	89	92	2020	\$13,497
	2019 89	2020 89	2021 88	2022 92	2023 91	2024 89						
**PINWOOD COURT	WILFORD LN					END	PINECT	10	66	69	2024	\$9,806
	2019 66	2020 65	2021 63	2022 61	2023 59	2024 68						
**PINWOOD WAY	GRAVENSTEIN WY					WILFORD LN	PINEWY	10	73	76	2024	\$9,163
	2019 73	2020 72	2021 70	2022 68	2023 67	2024 75						
PORTAL STREET	REDWOOD DR					END	PORTAL	10	25	30		\$0
	2019 26	2020 23	2021 20	2022 17	2023 13	2024 10						
**PRIMERO COURT	PORTAL ST					END	PRIMER	10	43	47	2021	\$3,726
	2019 44	2020 41	2021 57	2022 56	2023 54	2024 52						
**REDWOOD DRIVE NB	300FT S OF HOUSER					AARON ST	REDWNB	55	28	34	2024	\$175,180
	2019 30	2020 26	2021 21	2022 17	2023 12	2024 100						
**REDWOOD DRIVE NB	AARON ST					PORTAL ST	REDWNB	60	24	30	2024	\$109,487
	2019 26	2020 22	2021 17	2022 12	2023 6	2024 100						
**REDWOOD DRIVE NB	PORTAL					NORTHERN CITY LIMIT	REDWNB	70	49	54	2024	\$70,845
	2019 50	2020 47	2021 44	2022 41	2023 37	2024 100						
**REDWOOD DRIVE	HWY 116					END	REDWOO	10	57	60	2024	\$6,029
	2019 58	2020 56	2021 54	2022 51	2023 49	2024 61						
**REDWOOD DRIVE	HWY 116					50 FTS OF HELMAN LN	REDWOO	20	66	70	2024	\$25,620
	2019 67	2020 64	2021 62	2022 60	2023 57	2024 66						
**REDWOOD DRIVE	50 FT S OF HELMAN LN					SANTA ROSA CREEK	REDWOO	30	89	90	2024	\$23,862
	2019 89	2020 88	2021 87	2022 86	2023 86	2024 91						

** - Treatment from Project Selection

Street Name	Beg Location	End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
**REDWOOD DRIVE	SANTA ROSA CREEK	300FT S OF HOUSER	REDWOO	35	35	40	2024	\$113,352
2019 36	2020 33	2021 29	2022 25	2023 20	2024 100			
**REDWOOD DRIVE SB	300FT S OF HOUSER	AARON ST	REDWSB	55.1	38	43	2024	\$175,180
2019 39	2020 36	2021 32	2022 28	2023 24	2024 100			
**REDWOOD DRIVE SB	AARON ST	PORTAL	REDWSB	60.1	48	52	2024	\$70,845
2019 49	2020 46	2021 43	2022 40	2023 37	2024 100			
**REDWOOD DRIVE SB	PORTAL	NORTHERN CITY LIMIT	REDWSB	70.1	41	46	2024	\$70,845
2019 42	2020 39	2021 35	2022 32	2023 28	2024 100			
RICHARDSON LANE	SCHOOL ST	END	RICHAR	10	11	16		\$0
2019 13	2020 9	2021 5	2022 1	2023 0	2024 0			
ROBIN AVENUE	LARK DR	WREN DR	ROBIN	10	23	28		\$0
2019 24	2020 21	2021 18	2022 14	2023 11	2024 7			
ROSS STREET	McGUINNESS	OLSON	ROSS	10	75	77		\$0
2019 75	2020 74	2021 73	2022 71	2023 70	2024 68			
ROSS STREET	OLSON	BRIDGE	ROSS	20	72	74		\$0
2019 72	2020 71	2021 69	2022 68	2023 66	2024 65			
ROSS STREET	BRIDGE	CHARLES	ROSS	30	61	64	2019	\$11,325
2019 100	2020 92	2021 90	2022 88	2023 87	2024 85			
SANTERO WAY	E. COTATI AVE	750ft S OF E. COTATI	SANTER	05	67	70	2019	\$19,500
2019 77	2020 76	2021 74	2022 73	2023 71	2024 69			
SANTERO WAY	750ft S OF E. COTATI	1575ft S OF E. COTATI	SANTER	15	84	85		\$0
2019 84	2020 83	2021 82	2022 81	2023 80	2024 79			

** - Treatment from Project Selection

Street Name	Beg Location						End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
**SANTERO WAY	1575ft S OF E. COTATI						CUL DE SAC	SANTER	25	58	61	2022	\$12,501
	2019	2020	2021	2022	2023	2024							
	59	57	55	65	64	62							
**SKILLING COURT	MACKLIN DR						END	SKILLI	10	78	80	2022	\$11,289
	2019	2020	2021	2022	2023	2024							
	78	77	75	82	81	80							
SAINT JOSEPH WAY	OLD REDWOOD HWY						END	STJOES	10	25	29		\$0
	2019	2020	2021	2022	2023	2024							
	26	23	21	18	15	12							
**TREBINO COURT	BLODGETT ST						CUL-DE-SAC	TREBIN	10	68	70	2024	\$10,048
	2019	2020	2021	2022	2023	2024							
	68	67	65	64	62	71							
**VAL PARASIO AVENUE	OLD REDWOOD HWY						LUND HILL LN	VALPAR	10	63	66	2024	\$104,992
	2019	2020	2021	2022	2023	2024							
	64	62	59	57	55	100							
**VAL PARASIO AVENUE	LUND HILL LN						NINA CT	VALPAR	15	40	47	2024	\$73,792
	2019	2020	2021	2022	2023	2024							
	42	38	33	28	22	100							
**VAL PARASIO AVENUE	NINA CT						BRIDGE	VALPAR	25A	49	55	2024	\$65,438
	2019	2020	2021	2022	2023	2024							
	51	47	43	38	33	100							
**VAL PARASIO AVENUE	BRIDGE						W. SIERRA AVE	VALPAR	25B	26	34	2020	\$39,379
	2019	2020	2021	2022	2023	2024							
	28	100	95	92	91	89							
**VERONDA WAY	MYRTLE AVE						AGUIRRE WY (E INT)	VEROND	10	84	87	2022	\$25,962
	2019	2020	2021	2022	2023	2024							
	84	83	81	87	86	85							
**VERONDA WAY	AGUIRRE WY (E INT)						KEYT WY	VEROND	20	74	77	2022	\$19,825
	2019	2020	2021	2022	2023	2024							
	74	73	71	79	78	76							
WARD DRIVE	JOHN ROBERTS DRIVE						END	WARD	01	93	100		\$0
	2019	2020	2021	2022	2023	2024							
	95	91	89	87	86	84							

** - Treatment from Project Selection

Street Name	Beg Location						End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
WATER ROAD	W SIERRA AVE						PAVE CHANGE 393' S/O W SIERRA	WATER	10	33	37		\$0
	2019 34	2020 31	2021 29	2022 26	2023 24	2024 21							
WATER ROAD	PAVE CHANGE 393' S/O W SIERRA						PAVE CHANGE 1169' S/O W SIERRA	WATER	15	65	67	2019	\$26,503
	2019 75	2020 74	2021 73	2022 71	2023 70	2024 68							
WATER ROAD	PAVE CHANGE 1169' SO W SIERRA						LOMA LINDA	WATER	18	43	46		\$0
	2019 44	2020 42	2021 40	2022 37	2023 35	2024 33							
WATER ROAD	CITY LIMITS						LOMA LINDA DR	WATER	20	35	39		\$0
	2019 36	2020 33	2021 31	2022 29	2023 26	2024 23							
WEST COTATI AVENUE	PLAZA						WILLIAM ST	WCOTAT	10	23	27		\$0
	2019 24	2020 21	2021 19	2022 16	2023 13	2024 10							
WEST COTATI AVENUE	WILLIAM ST						EL RANCHO DR	WCOTAT	20	26	30		\$0
	2019 27	2020 24	2021 22	2022 19	2023 16	2024 13							
WEST COTATI AVENUE	EL RANCHO DR						END AT E. SIDE OF 101	WCOTAT	30	21	25		\$0
	2019 22	2020 19	2021 16	2022 14	2023 10	2024 7							
**WEST COTATI AVENUE	END W. SIDE OF HWY 101						MAPLE AVE	WCOTAT	40	41	44	2021	\$77,673
	2019 42	2020 40	2021 100	2022 92	2023 90	2024 88							
**WEST COTATI AVENUE	MAPLE AVE						W COTATI OAKS CT	WCOTAT	50	13	18	2021	\$132,099
	2019 14	2020 11	2021 100	2022 92	2023 90	2024 88							
**WEST COTATI AVENUE	W COTATI OAKS CT						COHEN CT	WCOTAT	60A	22	26	2021	\$231,061
	2019 23	2020 20	2021 100	2022 92	2023 90	2024 88							

** - Treatment from Project Selection

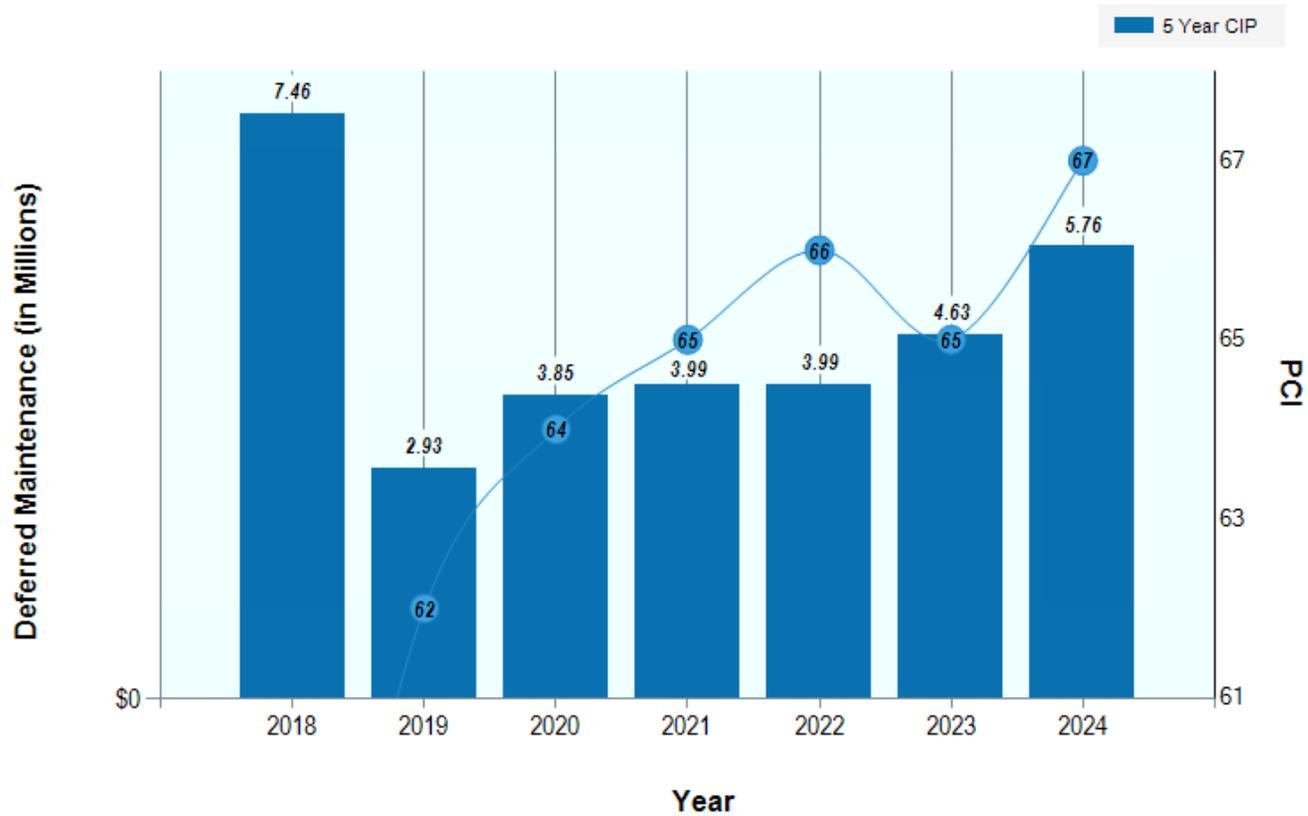
Street Name	Beg Location						End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
**WEST COTATI AVENUE	COHEN CT						CREEK	WCOTAT	60B	88	90	2021	\$35
	2019 88	2020 87	2021 87	2022 86	2023 85	2024 84							
**WEST COTATI AVENUE	CREEK						HWY 116	WCOTAT	70	76	78		\$0
	2019 76	2020 75	2021 74	2022 73	2023 72	2024 70							
WILFORD CIRCLE	WILFORD LN						WILFORD LN	WILFCI	10	34	38		\$0
	2019 35	2020 32	2021 29	2022 27	2023 24	2024 20							
WILFORD LANE	COMMERCE AVE						MEADOW BROOK WY	WILFLN	10	42	46		\$0
	2019 43	2020 40	2021 38	2022 35	2023 33	2024 30							
WILFORD LANE	MEADOW BROOK WY						GRAVENSTEIN WY	WILFLN	20	46	49		\$0
	2019 47	2020 45	2021 42	2022 40	2023 37	2024 35							
**WILFORD LANE	GRAVENSTEIN WAY						AHLSTROM CIR	WILFLN	30	75	77	2024	\$14,745
	2019 75	2020 74	2021 72	2022 71	2023 69	2024 77							
**WILLIAM STREET	OLD REDWOOD HWY						OLAF ST	WILLIA	10	12	17	2020	\$163,591
	2019 13	2020 100	2021 92	2022 90	2023 88	2024 86							
WOODLAND HILLS DRIVE	E SCHOOL ST						END	WOODLD	10	83	86		\$0
	2019 83	2020 82	2021 80	2022 79	2023 77	2024 76							
WREN DRIVE	MYRTLE AVE						EAGLE DR	WRENDR	10	42	46		\$0
	2019 43	2020 40	2021 38	2022 35	2023 33	2024 30							
**WEST SCHOOL STREET	W SIERRA AVE						CLIFFORD ST	WSCHOO	10	9	15	2021	\$426,435
	2019 11	2020 7	2021 100	2022 92	2023 90	2024 88							
**WEST SCHOOL STREET	CLIFFORD ST						300FT W OF CLIFFORD	WSCHOO	20	29	33	2021	\$40,881
	2019 30	2020 27	2021 100	2022 92	2023 90	2024 88							

** - Treatment from Project Selection

Street Name	Beg Location						End Location	Street ID	Section ID	Survey PCI	PCI In 2018	Year First Treatment	Cost
**WEST SCHOOL STREET	300FT W OF CLIFFORD						MAPLE AVE	WSCHOO	30	32	36	2021	\$119,851
	2019	2020	2021	2022	2023	2024							
	33	30	100	92	90	88							
**WEST SCHOOL STREET	MAPLE AVE						RICHARDSON RD	WSCHOO	40	21	25	2021	\$245,088
	2019	2020	2021	2022	2023	2024							
	22	19	100	92	90	88							
WEST SCHOOL STREET	RICHARDSON LN						CITY LIMITS	WSCHOO	50	26	30		\$0
	2019	2020	2021	2022	2023	2024							
	27	24	22	19	16	13							
**WEST SIERRA AVENUE	OLD REDWOOD HWY						PAGE ST	WSIERR	10	42	47	2020	\$266,152
	2019	2020	2021	2022	2023	2024							
	43	100	91	89	86	84							
**WEST SIERRA AVENUE	PAGE ST						WATER AVE	WSIERR	20	56	60	2020	\$301,288
	2019	2020	2021	2022	2023	2024							
	57	100	90	88	86	84							
**WEST SIERRA AVENUE	WATER AVE						CITY LIMITS	WSIERR	30	52	56	2020	\$145,024
	2019	2020	2021	2022	2023	2024							
	53	100	90	88	86	84							

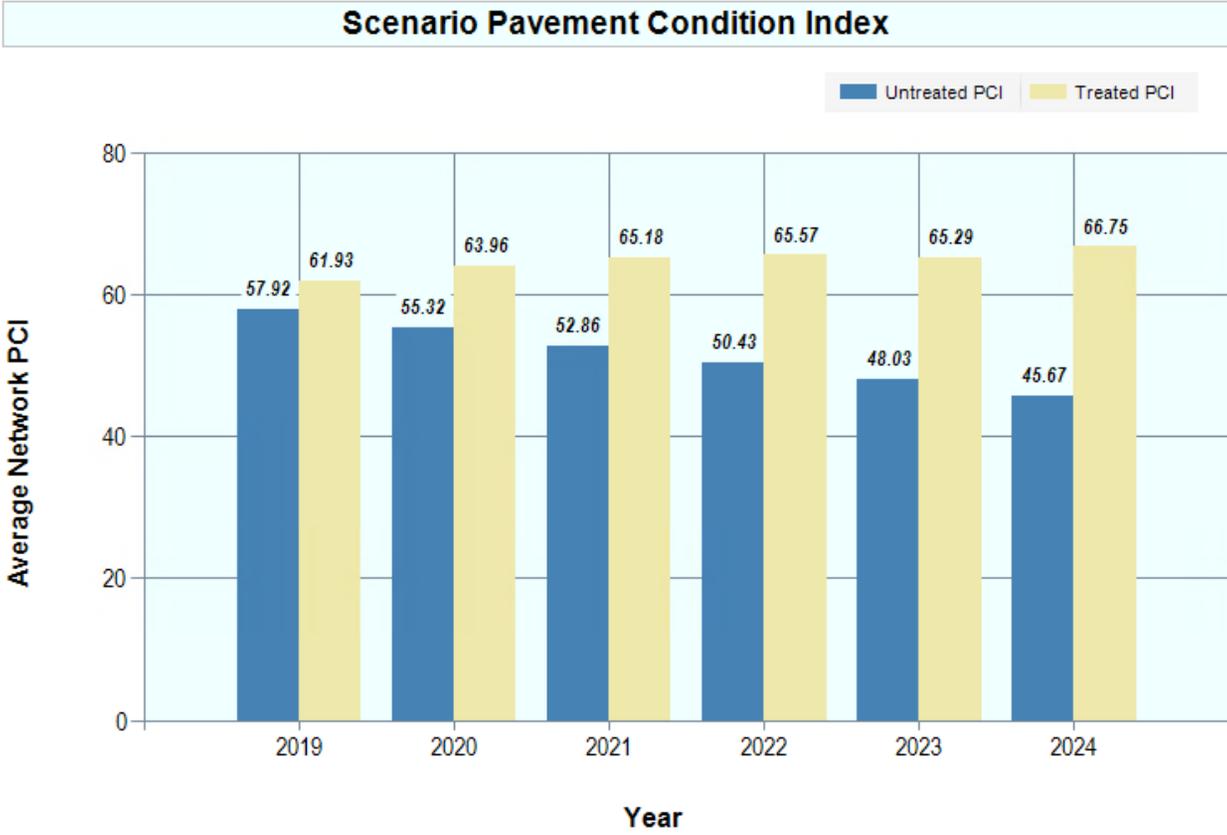
** - Treatment from Project Selection

Scenario Comparison - Deferred Maintenance and PCI



- Chart Scenario Comparison - Deferred Maintenance and PCI**

This graph charts both the Deferred Maintenance and PCI for each scenario selected for comparison. The PCI ribbon is color matched to the corresponding Deferred Maintenance bar. The data is broken up by scenario year.



- **Chart Scenario Pavement Condition Index**

This graph charts the PCI values after Scenarios has been run, by determining the budget allocation you can project the treated versus untreated PCI values. In the example above, our budget met the needs of all our scenarios and thus the amount of PCIs are treated as needed.