

Pavement Management Program

Final Report
2018 Update

NCE

Fountain Valley, CA
17050 Bushard St., Suite 200
Fountain Valley, CA 92708



City of Temple City

Public Works Department
9701 Las Tunas Drive
Temple City, CA 91780

960.01.30

City of Temple City

Pavement Management Program 2018 Update

Final Report

Submitted to:

City of Temple City
Public Works Department
9701 Las Tunas Drive
Temple City, CA 91780

March 2019

Table of Contents

Background 6

Study Objectives 6

Scope of Work 7

Pavement Network and Current Condition 8

Current Maintenance and Rehabilitation Practices 13

Budget Needs Analysis: 10-Year Analysis 15

Budget Scenarios: 10-Year Analysis 17

- Scenario 1: City's Budget ($1.4 Million per Year) 18
- Scenario 2: Maintain PCI at 58 ($2.5 Million per Year) 19
- Scenario 3: Improve PCI to 65 ($3.4 Million per Year) 20
- Scenario 4: Improve PCI to 75 ($4.6 Million per Year) 21
- Scenario 5: Improve PCI to 80 ($5.2 Million per Year) 22
- Recap: 10-Year Budget Scenario Analysis 23

Funding Scenarios Analysis: 20-Year Analysis 26

- Scenarios 6 (A-D): Varied Up-front Funds ($8M, $9M, $10M, $15M) with $100 Tax Rate 27
- Scenarios 7 (A-D): Varied Up-front Funds ($8M, $9M, $10M, $15M) with $200 Tax Rate 29
- Scenarios 8 (A-D): Varied Up-front Funds ($8M, $9M, $10M, $15M) with $300 Tax Rate 31
- Scenarios 9 (A-D): Varied Up-front Funds ($8M, $9M, $10M, $15M) with $400 Tax Rate 33
- PCI Comparisons between Scenarios with the Same Up-front Funds 35
- Recap: 20-Year Funding Scenario Analysis 37

Conclusions 38

Appendix A:
Quality Control Plan (QCP)

Appendix B:
Alley Description Inventory
- Sections PCI Listing: Sorted by Alley Name

Appendix C:
Section Description Inventory
- Section PCI Listing: Sorted by Street Name
- Section PCI Listing: Sorted by Descending PCI

Appendix D:
Maintenance and Rehabilitation (M&R) Decision Tree

Appendix E:
Budget Needs:
- Projected PCI/Cost Summary Report
- Rehabilitation Treatment/Cost Summary Report
- Preventive Maintenance Treatment/Cost Summary Report

Appendix F:
Scenarios 1-5:
- Cost Summary Report
- Network Condition Summary Report

Appendix G:
Sections Selected for Treatment
- Scenario 1: City's Budget
- GIS Maps for Scenario Treatments

Appendix H:
GIS Maps
- Current Network Condition (2018)
- Projected Network Condition (FY 2027/28)
  - Scenarios 1-5

Appendix I:
Pavement Network Breakdown – 20-Year Analysis
- Current Condition (2018)
- Projected Condition (FY 2038/39)
  - Scenarios 6A-9D

List of Tables

Table 1. Pavement Network and Condition Summary 11
Table 2. Pavement Condition Breakdown by Functional Class..... 11
Table 3. Results of Budget Needs 16
Table 4. Summary of Results for Scenario 1 18
Table 5. Summary of Results for Scenario 2 19
Table 6. Summary of Results for Scenario 3 20
Table 7. Summary of Results for Scenario 4 21
Table 8. Summary of Results for Scenario 5 22
Table 9. Summary of 20-Year Funding Scenarios 26
Table 10. Annual Budget for Scenarios 6A, 6B, 6C and 6D 27
Table 11. Annual Budget for Scenarios 7A, 7B, 7C and 7D 29
Table 12. Annual Budget for Scenarios 8A, 8B, 8C and 8D 31
Table 13. Annual Budget for Scenarios 9A, 9B, 9C and 9D 33

List of Figures

Figure 1. Pavement Condition Categories 9
Figure 2. Examples of Streets with Different PCIs 10
Figure 3. Pavement Network Breakdown by Condition Category 12
Figure 4. Temple City PCI Comparison with Other Agencies 13
Figure 5. Costs of Maintaining Pavements over Time 14
Figure 6. PCI vs. Deferred Maintenance for Scenario 1 18
Figure 7. PCI vs. Deferred Maintenance for Scenario 2 19
Figure 8. PCI vs. Deferred Maintenance for Scenario 3 20
Figure 9. PCI vs. Deferred Maintenance for Scenario 4 21
Figure 10. PCI vs. Deferred Maintenance for Scenario 5 22
Figure 11. PCI Comparisons between Scenarios 23
Figure 12. Deferred Maintenance Comparisons between Scenarios 24
Figure 13. Resulting Pavement Condition Breakdown for Scenarios 25
Figure 14. Network PCI for Scenarios 6A, 6B, 6C and 6D 28
Figure 15. Deferred Maintenance for Scenarios 6A, 6B, 6C and 6D 28
Figure 16. Network PCI for Scenarios 7A, 7B, 7C and 7D 30
Figure 17. Deferred Maintenance for Scenarios 7A, 7B, 7C and 7D 30
Figure 18. Network PCI for Scenarios 8A, 8B, 8C and 8D 32
Figure 19. Deferred Maintenance for Scenarios 8A, 8B, 8C and 8D 32
Figure 20. Network PCI for Scenarios 9A, 9B, 9C and 9D 34
Figure 21. Deferred Maintenance for Scenarios 9A, 9B, 9C and 9D 34
Figure 22. PCI Comparisons - $8 Million Up-front Funds 35
Figure 23. PCI Comparisons - $9 Million Up-front Funds 35
Figure 24. PCI Comparisons - $10 Million Up-front Funds 36
Figure 25. PCI Comparisons - $15 Million Up-front Funds 36

Background

NCE was selected by Temple City (City) to perform an update of their Pavement Management Program (PMP). The goal of this project was to update the PMP with current pavement conditions and to perform budget analyses with respect to their street maintenance and rehabilitation program.

Broadly, a "… *pavement management system is designed to provide objective information and useful data for analysis so that … managers can make more consistent, cost-effective, and defensible decisions related to the preservation of a pavement network*."[1] In other words, a PMP is designed to assist cities with answering questions such as:

- What does the City's street network consist of and what are the street's conditions?
- How will the condition of the City maintained streets respond over time to maintenance and rehabilitation (M&R) treatments proposed under the existing funding levels?
- What M&R strategies exist to improve the current street conditions?
- What is the backlog of M&R work that should be done in order to achieve the City's pavement condition goal?
- What are the future M&R needs?
- What are the street repair priorities?
- How much funding is needed in order to maintain or improve current pavement conditions?

In order to answer the questions above, NCE helped the City to initiate a PMP software program called StreetSaver®, which is widely used in California to perform pavement management. Pavement distress data were collected in compliance with ASTM D6433-18[2].

Study Objectives

The objectives of this study were to:

- Implement a PMP to assist the City with inventorying their street sections and to assist policy makers in making decisions regarding street maintenance.
- Perform pavement condition inspections of the entire street network and determine the pavement condition index (PCI).
- Develop appropriate M&R strategies.

[1] AASHTO "Guidelines for Pavement Management Systems". American Association of State Highway and Transportation Officials, Washington DC, July 1990.
[2] ASTM. "ASTM D6433-18." Standard Practice for Roads and Parking Lots Pavement Condition Index Surveys.

- Perform budgetary analyses and determine the M&R funding needs.
- Compare the recommended repair program costs to the City's current and projected budget alternatives to improve the overall network condition. Assess the adequacy of existing revenues to meet the recommended maintenance needs, and maximizes the return from expenditures by:
    - Implementing a multi-year street M&R program;
    - Developing a preventive maintenance program; and
    - Selecting streets for the most cost effective repairs.

As described below in Scope of Work, an additional analysis was conducted to compare the impact of 16 funding scenarios with varying levels of up-front funding annual parcel taxes.

Scope of Work

The scope of work included performing pavement condition inspections on the entire City-maintained street network. The inspections were completed in March of 2018 using the walking inspection method.

Note that the condition inspections did not address non-pavement issues such as traffic, safety and street hazards, geometric issues, drainage issues, or immediate maintenance needs. As part of this task, a Quality Control Plan (QCP) was developed and implemented, and a copy is included in Appendix A.

Upon completion of the data collection activities, NCE reviewed M&R strategies with the City staff. This included the selection of appropriate and the most effective treatments such as surface seals, overlays or reconstructions, and the determination of unit costs. The unit costs were based on recent bid abstracts from the City as well as surrounding agencies and include the related construction, engineering and design costs. Once appropriate M&R alternatives were defined, they were entered into the StreetSaver® database for budgetary analyses.

NCE next performed a budget needs analysis using a period of 10 years with an annual inflation rate of 3 percent. This identified M&R requirements for each street section and determined the total M&R requirements over the analysis period. Five different budget scenarios were performed for a 10-year analysis period to show how different funding levels would impact the pavement network condition over time.

As additional scope of work, the City requested 16 supplementary funding scenarios to determine the impacts on the PCI and deferred maintenance balance over a period of 20 years. The scenarios compared four different up-front funding amounts and annual parcel taxes from $100 to $400. These additional 20-year scenarios provide an extended projection on the effects of different funding levels.

Pavement Network and Current Condition

The City is responsible for the repair and maintenance of approximately 72.4 centerline miles of streets of which 13.8 miles are arterials, 38.9 miles are collectors, and 19.7 miles are residentials.

Streets and pavements are one of the City's most valuable assets; the replacement value is estimated to be approximately $104.7 million.

Note that this replacement cost does not include the value of other non-pavement street components, such as curb and gutters, sidewalks, drainage, etc. The inspection was also performed on the alley network, but the alleys are not included as part of the City's street network or the PMP budget analysis. The alley network inventory and inspection results are listed in Appendix B.

PCI is a measurement of pavement grade or condition and ranges from 0 to 100. A newly constructed street will have a PCI of 100, while a failed street will have a PCI of 25 or less. The pavement condition is primarily affected by climate, traffic loads and volumes, subgrade failure, construction materials and age. Some of the distresses manifested by the pavement as it ages or fails are:

Asphalt Concrete (AC) Pavement:

- Alligator (Fatigue) Cracking
- Bleeding
- Block Cracking
- Bumps and Sags
- Corrugation
- Depression
- Edge Cracking
- Joint Reflection Cracking
- Lane/ Shoulder Drop-Off
- Longitudinal/Transverse Cracking
- Patching and Utility Cut Patching
- Polished Aggregate
- Potholes
- Railroad Crossing
- Rutting
- Shoving
- Slippage Cracking
- Swell
- Raveling
- Weathering

Portland Cement Concrete (PCC) Pavement:

- Blowup/ Buckling
- Corner Break
- Divided Slab
- Durability Cracking
- Faulting
- Joint Seal Damage
- Polished Aggregate
- Popouts
- Pumping
- Punchout
- Railroad Crossing
- Scaling

- Lane/Shoulder Drop-Off
- Linear Cracking
- Patching (Large and Small)
- Shrinkage Cracks
- Spalling (Corner and Joint)

Figure 1 illustrates the definitions of the pavement condition categories. Streets in "Fair" condition include streets with both non-load related (e.g., weathering or raveling) and load-related (e.g., alligator cracking) distresses. Since these distresses are markedly different, the treatments used to address these conditions are also different, as are the costs of these treatments. Generally, streets with load-related distress are more expensive to repair. The two categories of distress are identified by II (non-load related) and III (load related). StreetSaver® will assign the appropriate treatments and costs to streets identified within each category.

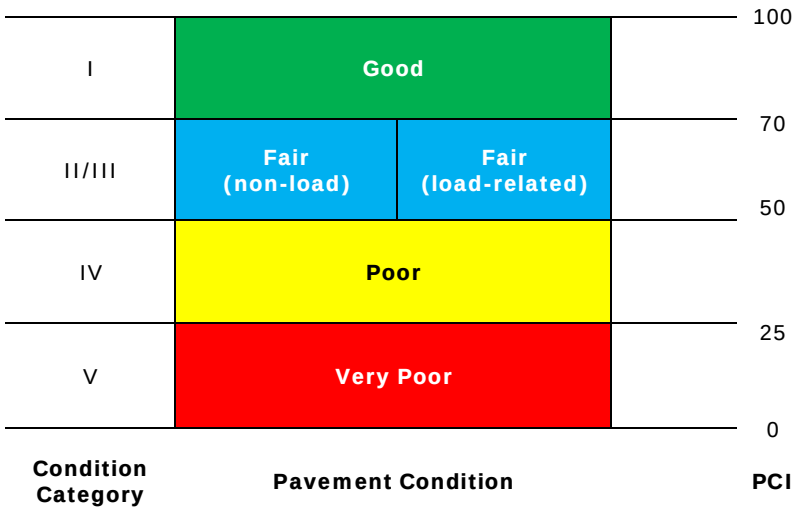


Figure 1. Pavement Condition Categories

The photos in Figure 2 illustrate streets with a range of PCIs.



Figure 2. Examples of Streets with Different PCIs

The City's average weighted (by area) PCI[3] is 58 and this is considered to be a "Fair" condition. However, the average PCI does not completely describe the street network. Table 1 is a summary of the City's street network and the PCI by functional class.

[3] The weighted average PCI is a result of multiplying the area of each street section by the PCI of that section, totaling all sections together and then dividing by the total of the network areas or functional classification.

Table 1. Pavement Network and Condition Summary

Functional Class	Centerline Mileage	Lane Miles	# of Sections	Pavement Area (sf)	% Pavement Area	Weighted Average PCI
Arterial	13.8	44.5	56	3,601,980	25.8%	77
Collector	38.9	78.7	188	7,005,452	50.2%	54
Residential	19.7	39.4	172	3,345,616	24.0%	47
Network	**72.4**	**162.6**	**416**	**13,953,048**	**100.0%**	**58**

Table 2 shows the summary of network condition by condition category. Approximately 34.4 percent of the City's streets are in "Good" condition, 55.9 percent are in either "Fair" or "Poor" condition, and 9.7 percent are in the "Very Poor" category.

Table 2. Pavement Condition Breakdown by Functional Class and Condition Category

Condition Category	PCI Range*	Arterial	Collector	Residential	Entire Network
Good (I): PCI 70-100	70-100	16.0%	14.3%	4.1%	34.4%
Fair (II/III): PCI 50-69	50-69	7.4%	9.8%	4.2%	21.4%
Poor (IV): PCI 25-49	25-49	2.4%	20.4%	11.7%	34.5%
Very Poor (V): PCI 0-24	0-24	0.0%	5.7%	4.0%	9.7%
Total (%)		**25.8%**	**50.2%**	**24.0%**	**100.0%**

*PCI thresholds are adjusted to achieve the goal of improving the overall PCI in budget scenarios.

Figure 3 shows the condition breakdown in the entire network, arterial, collector and residential networks separately. Note that the arterial network has no "Very Poor" condition streets.

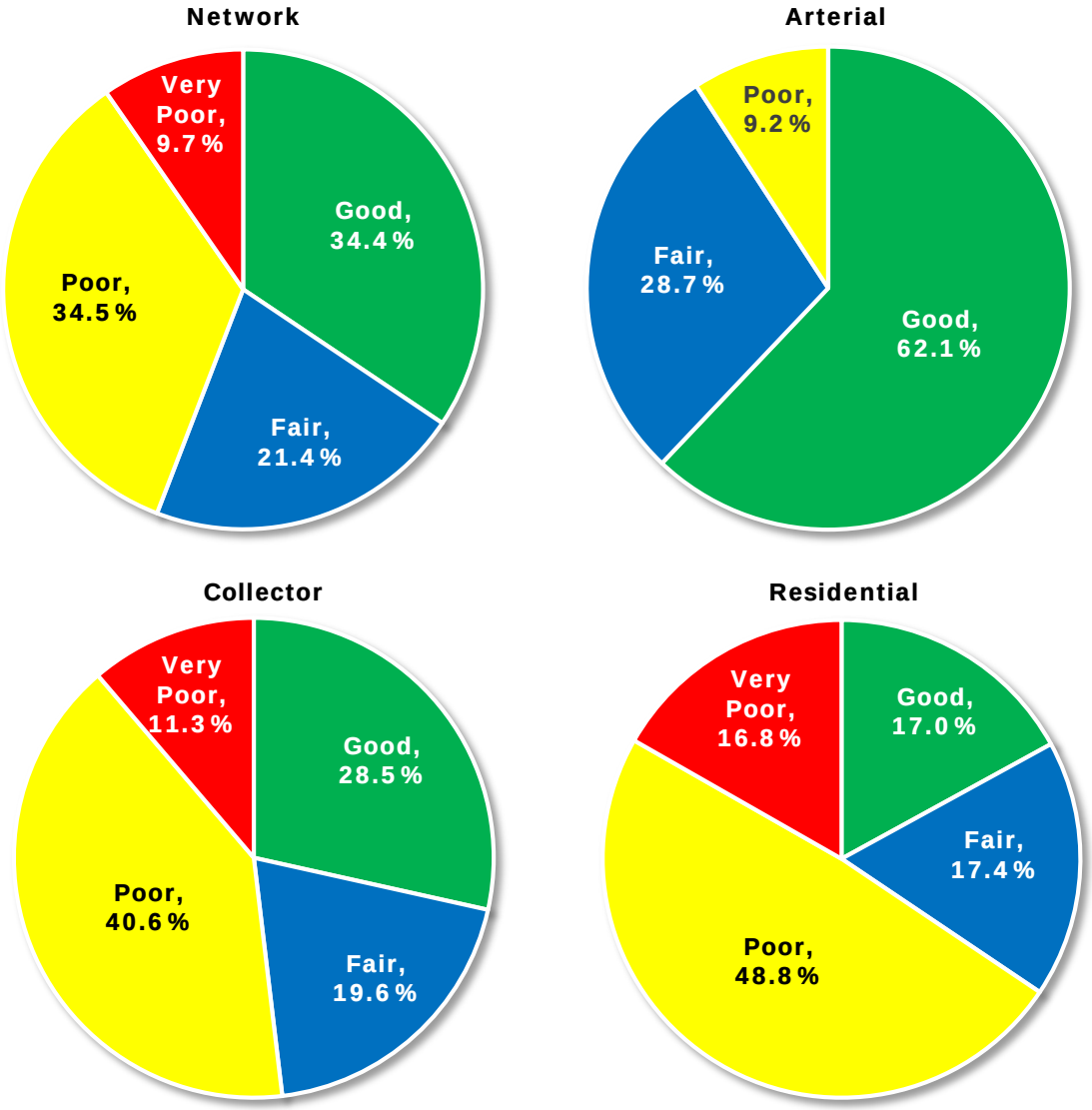


Figure 3. Pavement Network Breakdown by Condition Category

Appendix C contains the detailed PCI listing for the City-maintained streets.

The City's average network PCI of 58 is seven points lower than the 2018 statewide average of 65. Figure 4 illustrates PCI comparisons between Temple City and surrounding cities using information from the 2018 California Statewide Local Streets and Roads Needs Assessment.

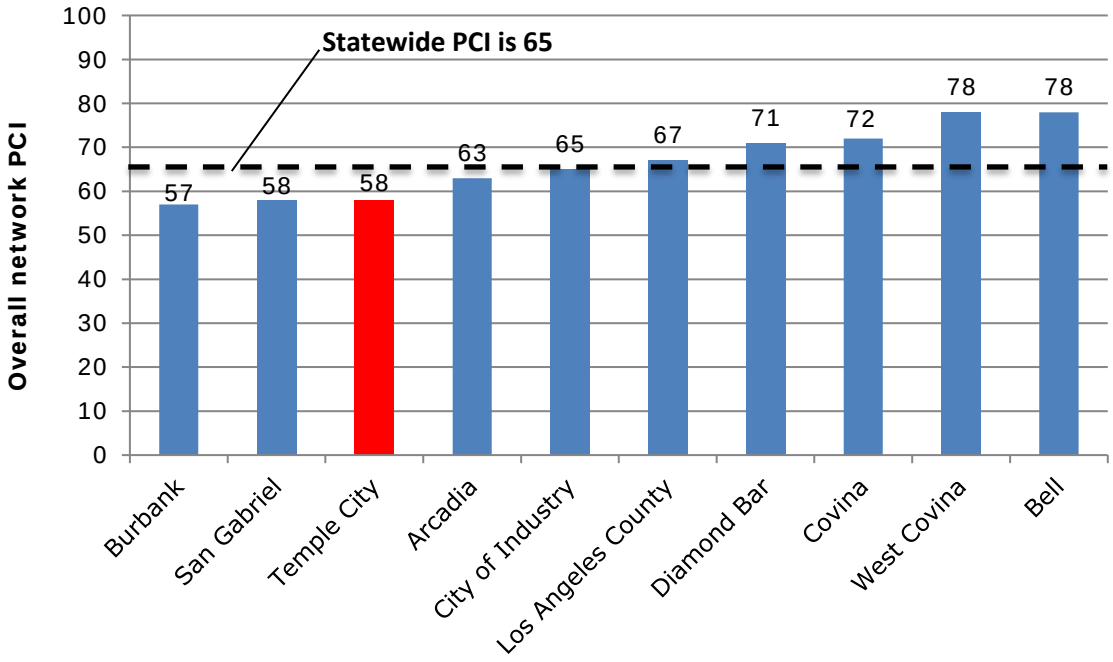


Figure 4. Temple City PCI Comparison with Other Agencies

Current Maintenance and Rehabilitation Practices

In meetings with staff, alternative treatment approaches were discussed with the underlying philosophy of keeping good streets in good condition while also rehabilitating and reconstructing poor streets as available funding allows.

History has shown that it costs less to maintain streets in good condition than to repair streets that have failed.

Preventive maintenance treatments such as slurry seals or micro-surfacing are suitable for pavements in the "Good" condition category and should be applied every 5 to 7 years if the pavement condition is appropriate. When the pavement condition deteriorates to lower levels, overlays and reconstruction should be performed. These are considered "rehabilitation or reconstruction," and base repairs are commonly used as preparatory work prior to applying overlays. A detailed M&R decision tree is included in Appendix D.

By letting pavements deteriorate, streets that once cost $3.00 per square yard (SY) to slurry seal and crack seal may, in a few years, cost as much as $71.75 per SY to reconstruct, and with rising material costs, the timeliness of repairs becomes more critical.

Figure 5 illustrates that pavement maintenance follows the old colloquial saying of "pay now or pay more later." The pavement deterioration curve shown by the blue line illustrates how pavement deteriorates over time. In general, arterials are expected to have a service life of 20 years, while those for residential streets may exceed 30 years.

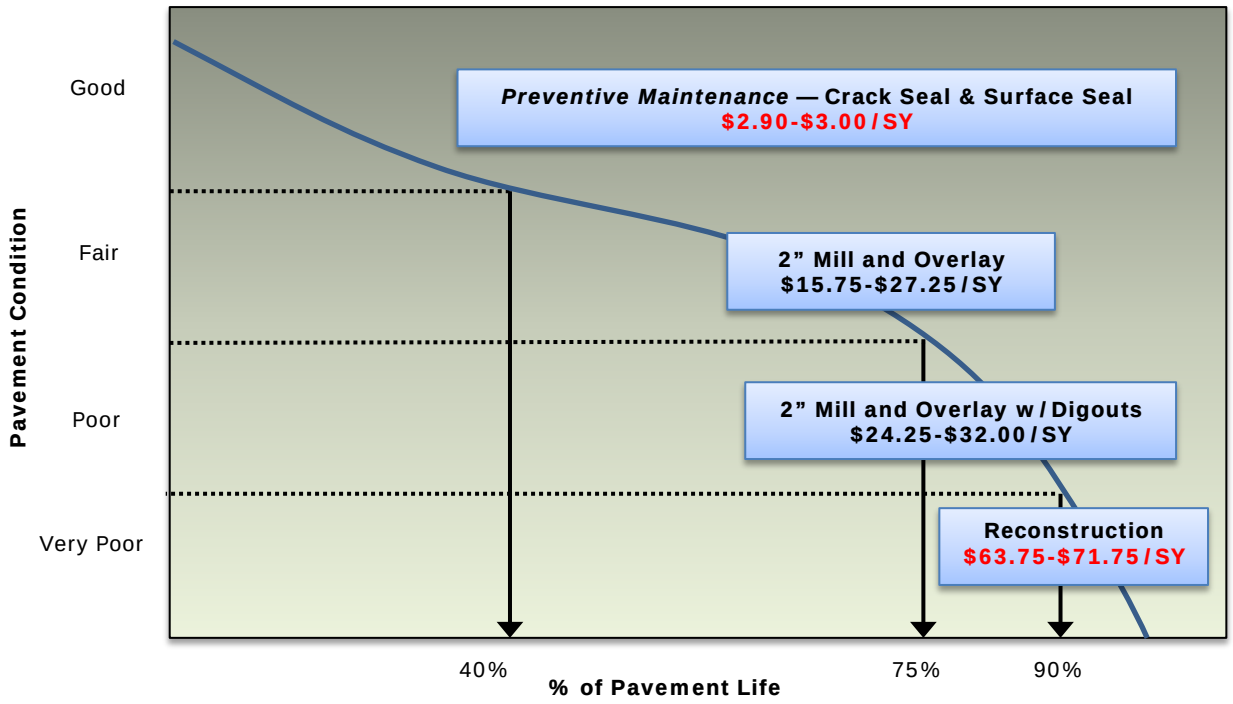


Figure 5. Costs of Maintaining Pavements over Time

Budget Needs Analysis: 10-Year Analysis

Once the pavement condition and the appropriate maintenance have been determined, it is possible to correlate and determine the funding needed for maintenance of the City's streets. Simplistically, the StreetSaver® program seeks to answer the following questions:

If funding is not a constraint, how much money is needed to bring the pavement condition to a state of good repair? And maintain it at that level over the next 10 years?

Therefore, based on the principle that it costs less to maintain streets in good condition, rather than focusing on fixing those in poor condition, StreetSaver® develops a funding strategy that will improve the overall condition of the streets and then maintain it at that level. The condition of each street determines the appropriate treatment and cost from the decision tree.

For example, if Avon Avenue has a PCI of 44, and the appropriate treatment is a mill and overlay with digouts, then the area of the pavement section is multiplied by the unit cost and the total treatment cost determined. Additional maintenance treatments over the next 10 years may also be applied (e.g., slurry seal and crack seal) to preserve it, if necessary.

Using this process, the entire street network for the City was evaluated in this fashion and summed. This results in maintenance needs of approximately $55.1 million over the next 10 years at an annual inflation rate of 3 percent. If the City follows the needs funding strategy recommended by the program, the average PCI will fluctuate between 82 and 85. If, however, no funding is allocated to street pavement maintenance over the next 10 years, the streets will deteriorate and the network PCI will drop to 35.

The results of the budget needs analysis are summarized in Table 3.

Note that in this analysis, the total funding needed is "front-loaded;" i.e., *it is less expensive to repair the streets in the first year than in subsequent years due to the effect of deferring maintenance and inflation*. Although very few agencies can afford this "front loaded" approach, it highlights the next treatment that each street section needs and becomes a reference point for all other funding scenarios.

The first year's budget needs of $29.1 million is also the City's current deferred maintenance.

Table 3. Results of Budget Needs

Fiscal Year	Current	FY 18 / 19	FY 19 / 20	FY 20 / 21	FY 21 / 22	FY 22 / 23	FY 23 / 24	FY 24 / 25	FY 25 / 26	FY 26 / 27	FY 27 / 28	Total
Budget Needs ($M)	N/A	**29.1**	**6.0**	**5.0**	**5.2**	**3.5**	**1.5**	**2.0**	**2.3**	**0.2**	**0.3**	**55.1**
Rehabilitation ($M)	N/A	29.0	6.0	5.0	5.2	3.5	1.3	1.7	0.9	0.1	0.1	52.8
Preventive Maintenance ($M)	N/A	0.1	0.0	0.0	0.0	0.0	0.2	0.3	1.4	0.1	0.2	2.3
Untreated PCI	58	58	55	52	50	47	45	42	40	37	35	N/A
Treated PCI	**58**	**83**	**82**	**83**	**85**	**85**	**84**	**84**	**85**	**83**	**82**	N/A

The prediction models in StreetSaver® may result in a more conservative performance because the impacts of newer and more cost-effective technologies are not included. For example, if improved materials are utilized (e.g., asphalt-binder with rubber or polymers), the actual performance of these treatments may be under-stated by the models. However, if the City assesses the pavement conditions regularly, the prediction of future conditions will continue to improve.

Note: Deferred maintenance consists of pavement maintenance, preservation, and rehabilitation activities that are needed, but cannot be performed due to lack of funding. It is also referred to as the unfunded backlog. Shrinking budgets have forced many cities and counties to defer much-needed pavement maintenance activities. By deferring these activities, not only does the frequency of citizens' complaints about the condition of the pavement network increase, but the cost to repair these streets rises as well.

Budget Scenarios: 10-Year Analysis

Having determined the 10-year maintenance needs of the City's street network, the next step in developing a cost-effective M&R strategy is to conduct "what-if" analyses. Using the StreetSaver® budget scenario module, the impacts of the City's budget can be evaluated. This module seeks to answer the following questions:

If funding is constrained, what is the most cost-effective way to spend the funds? What are the consequences on the PCI and deferred maintenance? Which streets will be prioritized for repairs and when will they be repaired?

The program determines the effects of the different funding scenarios on PCI and deferred maintenance. By examining the effects on these performance measures, the advantages and disadvantages of different funding levels and maintenance strategies become clear. The following scenarios were performed, using a 10-year analysis period:

- Scenario 1: City's Budget ($1.4 Million per Year)
- Scenario 2: Maintain PCI at 58 ($2.5 Million per Year)
- Scenario 3: Improve PCI to 65 ($3.4 Million per Year)
- Scenario 4: Improve PCI to 75 ($4.6 Million per Year)
- Scenario 5: Improve PCI to 80 ($5.2 Million per Year)

The following pages describe the scenarios and summarize the results of the analyses. More detailed results of the budget needs and scenarios can be found in Appendices E and F.

Scenario 1: City's Budget ($1.4 Million per Year)

This scenario shows the impact of the City's annual budget of $1.4 million over 10 years. Of this, 100 percent is allocated on rehabilitation for the first 5 years. The network PCI will decrease to 49 by FY 2027/28. The deferred maintenance will almost double from $29.1 million to $57.6 million. By the end of the ten year, 41.1 percent of the network will be in the "Very Poor" condition compared to 9.7 percent in March of 2018. Table 4 and Figure 6 summarize the results from Scenario 1. Sections selected for treatment under this funding level are included in Appendix G.

Table 4. Summary of Results for Scenario 1

Fiscal Year	Current	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	Total
Budget ($M)	N/A	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**14.0**
Rehabilitation ($M)	N/A	1.4	1.4	1.4	1.4	1.4	1.2	1.2	1.2	1.2	1.2	13.0
Preventive Maintenance ($M)	N/A	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	1.0
Deferred Maintenance ($M)	29.1	26.6	29.4	32.5	35.9	41.9	45.1	48.7	52.3	55.4	57.6	N/A
Network PCI	**58**	**61**	**58**	**57**	**56**	**55**	**54**	**53**	**51**	**50**	**49**	N/A

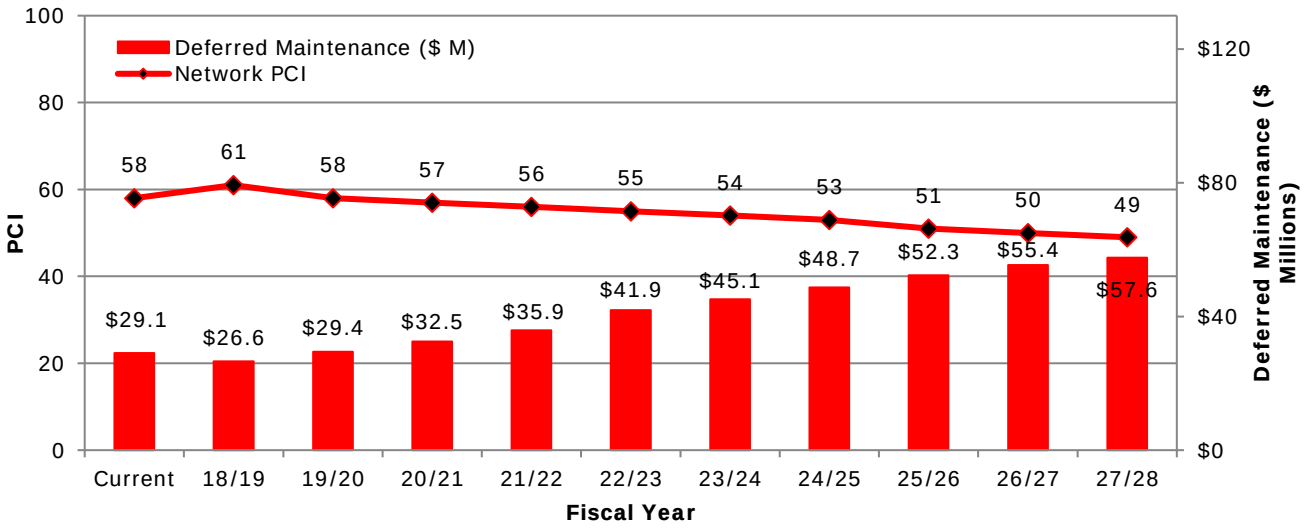


Figure 6. PCI vs. Deferred Maintenance for Scenario 1

Scenario 2: Maintain PCI at 58 ($2.5 Million per Year)

Approximately $2.5 million per year is required in order to maintain the citywide average PCI at 58 over the next 10 years. The deferred maintenance will decrease from $29.1 million to $25.5 million in FY 2019/20, then increase to $42.9 million by the end of the analysis period. Table 5 and Figure 7 summarize the results from Scenario 2.

Table 5. Summary of Results for Scenario 2

Fiscal Year	Current	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	Total
Budget ($M)	N/A	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**25.0**
Rehabilitation ($M)	N/A	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.3	24.2
Preventive Maintenance ($M)	N/A	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.8
Deferred Maintenance ($M)	29.1	25.5	27.7	30.0	33.3	37.8	38.8	39.5	40.3	42.2	42.9	N/A
Network PCI	**58**	**61**	**60**	**60**	**60**	**60**	**59**	**59**	**58**	**58**	**58**	N/A

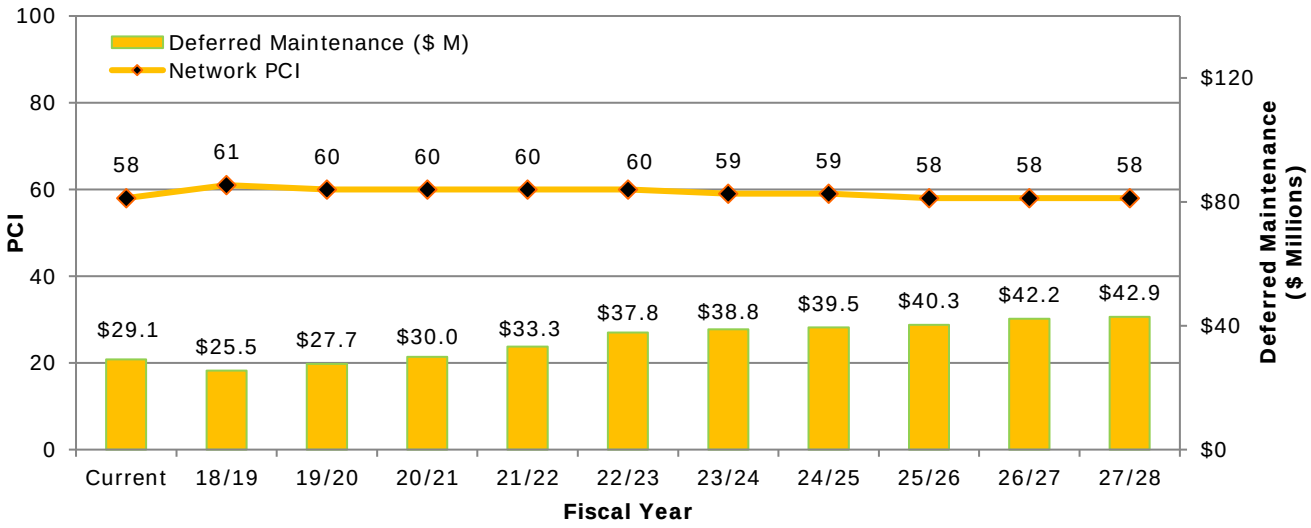


Figure 7. PCI vs. Deferred Maintenance for Scenario 2

Scenario 3: Improve PCI to 65 ($3.4 Million per Year)

An annual budget of $3.4 million is required in order to improve the citywide average PCI to 65 in FY 2027/28. The deferred maintenance will decrease to $24.6 million in the first year and fluctuate between $24.6 million and $33.9 million towards the end of the analysis period. Table 6 and Figure 8 summarize the results from Scenario 3.

Table 6. Summary of Results for Scenario 3

Fiscal Year	Current	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	Total
Budget ($M)	N/A	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**34.0**
Rehabilitation ($M)	N/A	3.4	3.4	3.4	3.4	3.4	3.2	3.1	3.1	3.1	3.1	32.6
Preventive Maintenance ($M)	N/A	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.3	1.4
Deferred Maintenance ($M)	29.1	24.6	25.8	27.9	30.2	33.9	33.2	32.8	32.3	33.0	31.4	N/A
Network PCI	**58**	**62**	**62**	**63**	**63**	**63**	**63**	**64**	**64**	**64**	**65**	N/A

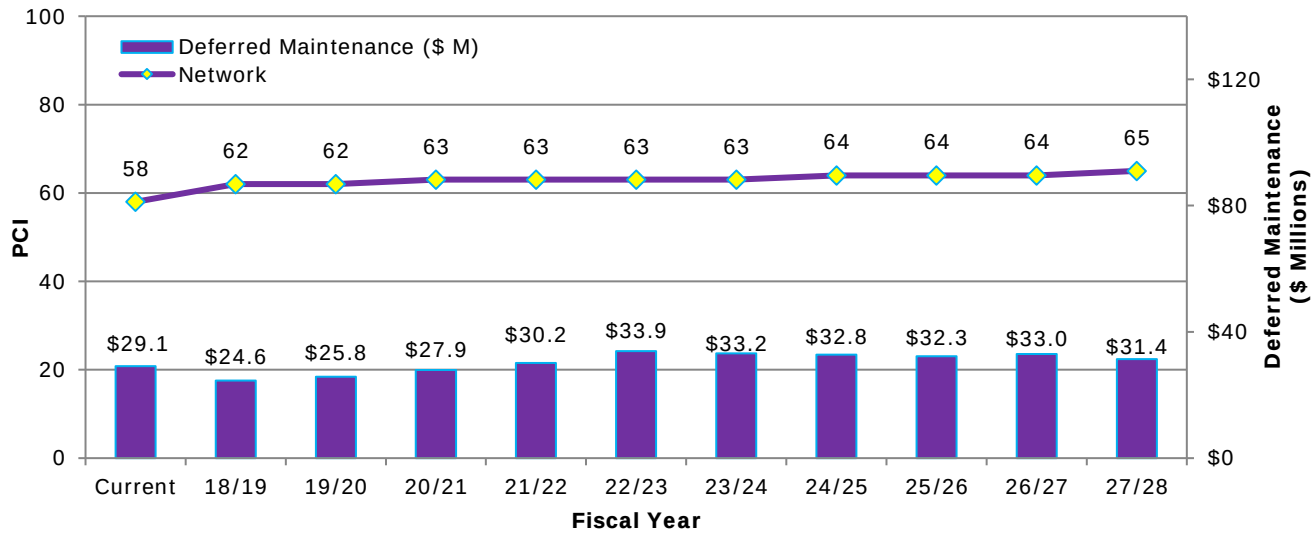


Figure 8. PCI vs. Deferred Maintenance for Scenario 3

Scenario 4: Improve PCI to 75 ($4.6 Million per Year)

In order to improve the network PCI to 75 by FY 2027/28, the City will need to spend approximately $4.6 million per year. Approximately 96 percent of the budget will be allocated to rehabilitation. The deferred maintenance will decrease to $15.8 million by the end of FY 2027/28. Table 7 and Figure 9 summarize the results from Scenario 4.

Table 7. Summary of Results for Scenario 4

Fiscal Year	Current	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	Total
Budget ($M)	N/A	**4.6**	**4.6**	**4.6**	**4.6**	**4.6**	**4.6**	**4.6**	**4.6**	**4.6**	**4.6**	**46.0**
Rehabilitation ($M)	N/A	4.6	4.6	4.6	4.6	4.6	4.4	4.3	4.2	4.1	4.1	44.1
Preventive Maintenance ($M)	N/A	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.5	1.9
Deferred Maintenance ($M)	29.1	23.4	24.5	25.4	26.4	26.1	23.8	21.9	19.9	19.2	15.8	N/A
Network PCI	**58**	**64**	**65**	**66**	**67**	**68**	**69**	**70**	**72**	**73**	**75**	N/A

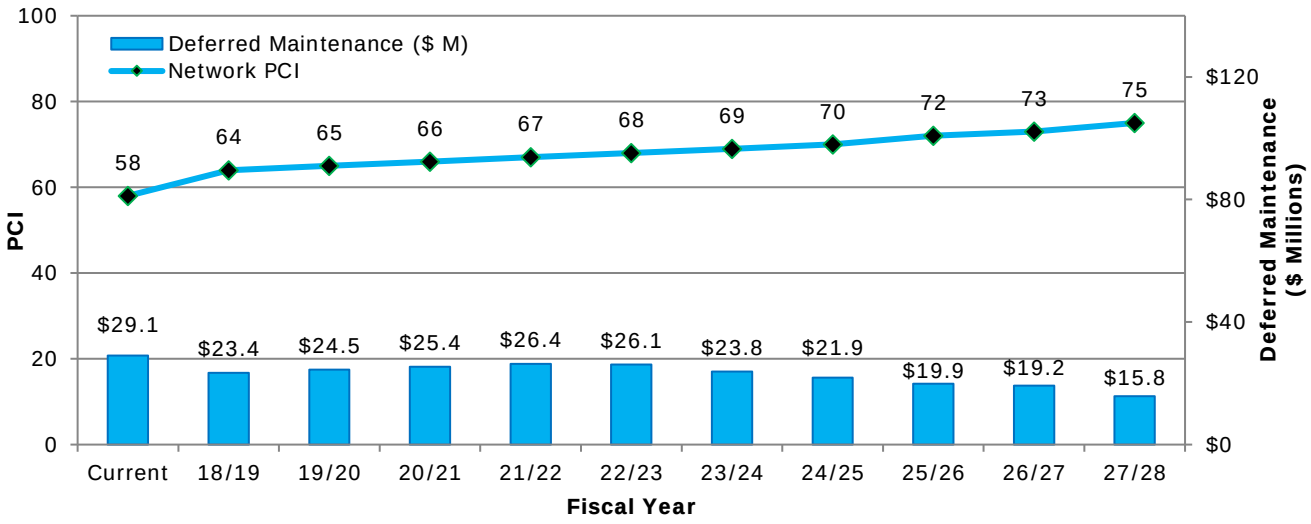


Figure 9. PCI vs. Deferred Maintenance for Scenario 4

Scenario 5: Improve PCI to 80 ($5.2 Million per Year)

The City will need to spend $5.2 million per year over the next 10 years to reach a network PCI of 80. The deferred maintenance will decrease to $7.6 million by the end of FY 2027/28. Table 8 and Figure 10 summarize the results from Scenario 5.

Table 8. Summary of Results for Scenario 5

Fiscal Year	Current	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	Total
Budget ($M)	N/A	**5.2**	**5.2**	**5.2**	**5.2**	**5.2**	**5.2**	**5.2**	**5.2**	**5.2**	**5.2**	**52.0**
Rehabilitation ($M)	N/A	5.2	5.2	5.2	5.2	5.2	5.0	5.0	4.8	4.8	4.8	50.4
Preventive Maintenance ($M)	N/A	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4	0.4	1.6
Deferred Maintenance ($M)	29.1	22.8	23.8	24.1	24.5	23.4	20.0	17.4	14.7	11.9	7.6	N/A
Network PCI	**58**	**65**	**67**	**67**	**69**	**70**	**72**	**74**	**76**	**78**	**80**	N/A

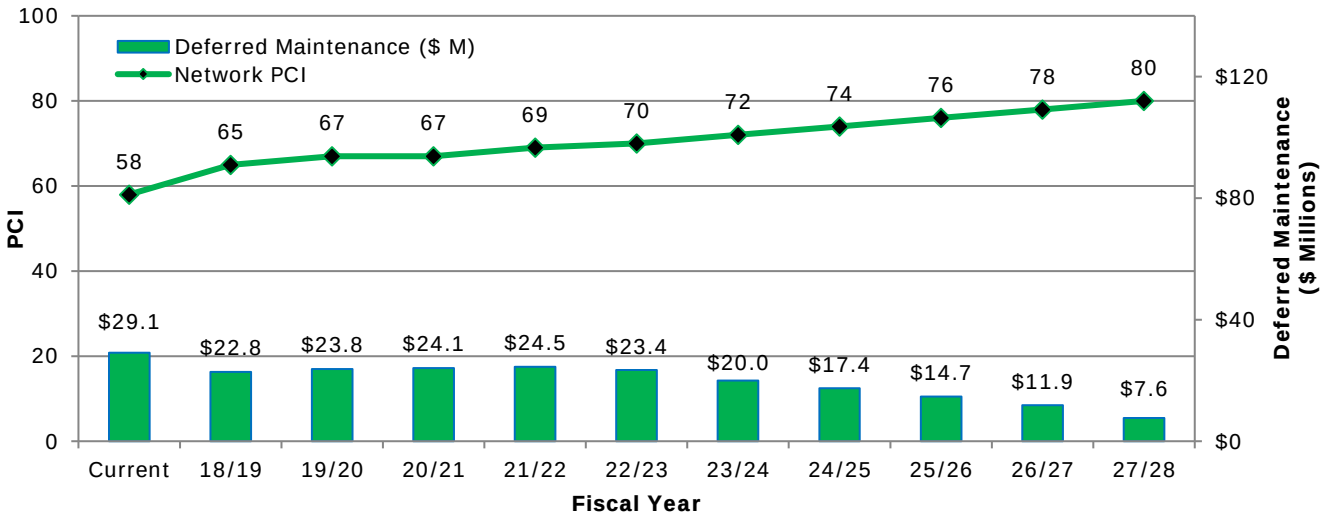


Figure 10. PCI vs. Deferred Maintenance for Scenario 5

Recap: 10-Year Budget Scenario Analysis

Figure 11 compares the resulting PCIs for each of the five scenarios. The City's current budget of $1.4 million (Scenario 1) will result in a nine-point decrease in the PCI from 58 to 49 by FY 2027/28. Scenario 2 illustrates that an annual budget of $2.5 million will maintain the citywide average PCI at 58. Scenario 3 indicates that an annual budget of $3.4 million will improve the PCI to 65. In Scenario 4, the network PCI will increase to a level of 75 with an annual budget of $4.6 million. Finally, by increasing the budget to $5.2 million per year, the City's PCI will continuously increase and reach to 80 by FY 2027/28. GIS maps showing the City's current PCI condition as well as the projected FY 2027/28 conditions for these scenarios are included in Appendix H.

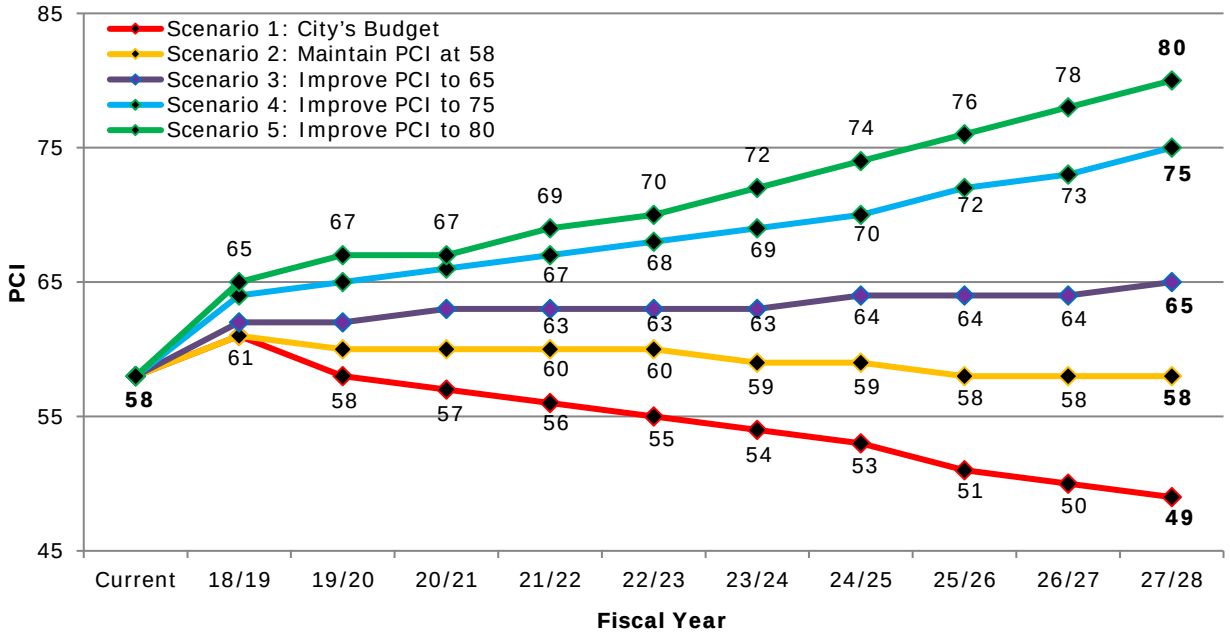


Figure 11. PCI Comparisons between Scenarios

Figure 12 illustrates that the City's Budget Scenario (Scenario 1) will result in the biggest increase in deferred maintenance. Scenarios 1 and 2 will result in a 98 to 48 percent increase in deferred maintenance at the end of the analysis period. Scenario 3 shows an 8 percent increase. Scenarios 4 and 5 show a 46 percent and 74 percent decrease in deferred maintenance, respectively.

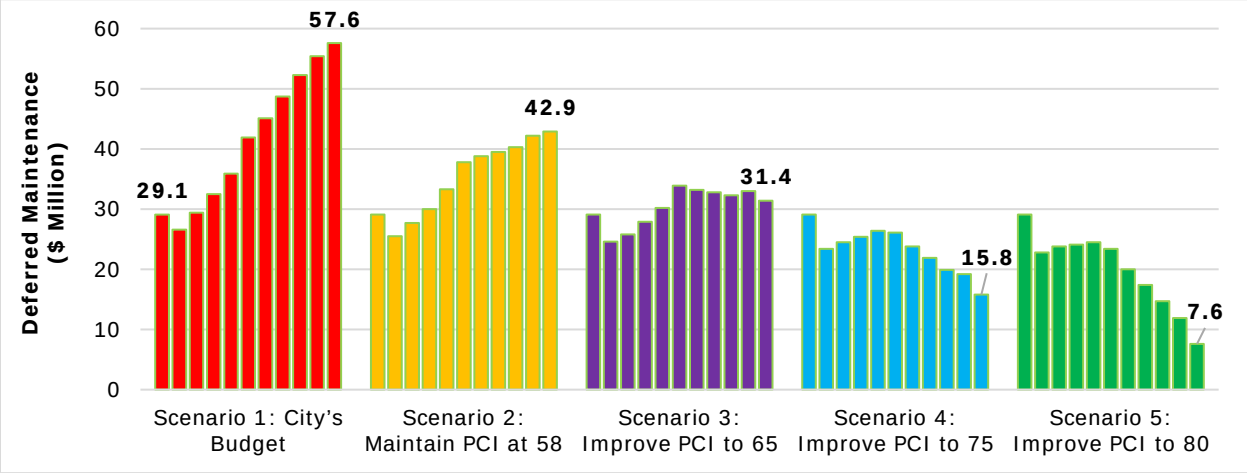


Figure 12. Deferred Maintenance Comparisons between Scenarios

Figure 13 on the next page compares the change in the pavement condition distribution for each of the budget scenarios. Approximately 34.4 percent of the street network falls into the "Good" condition category and the percentages will increase in all scenarios. The percentages of those under "Very Poor" varies with no "Poor" condition streets in Scenario 2, 3, 4 and 5. As the funding increases in Scenarios 4 and 5, more streets in the "Very Poor" category will be rehabilitated and most in "Good" category will be surface sealed, resulting in significant improvements in the pavement condition.

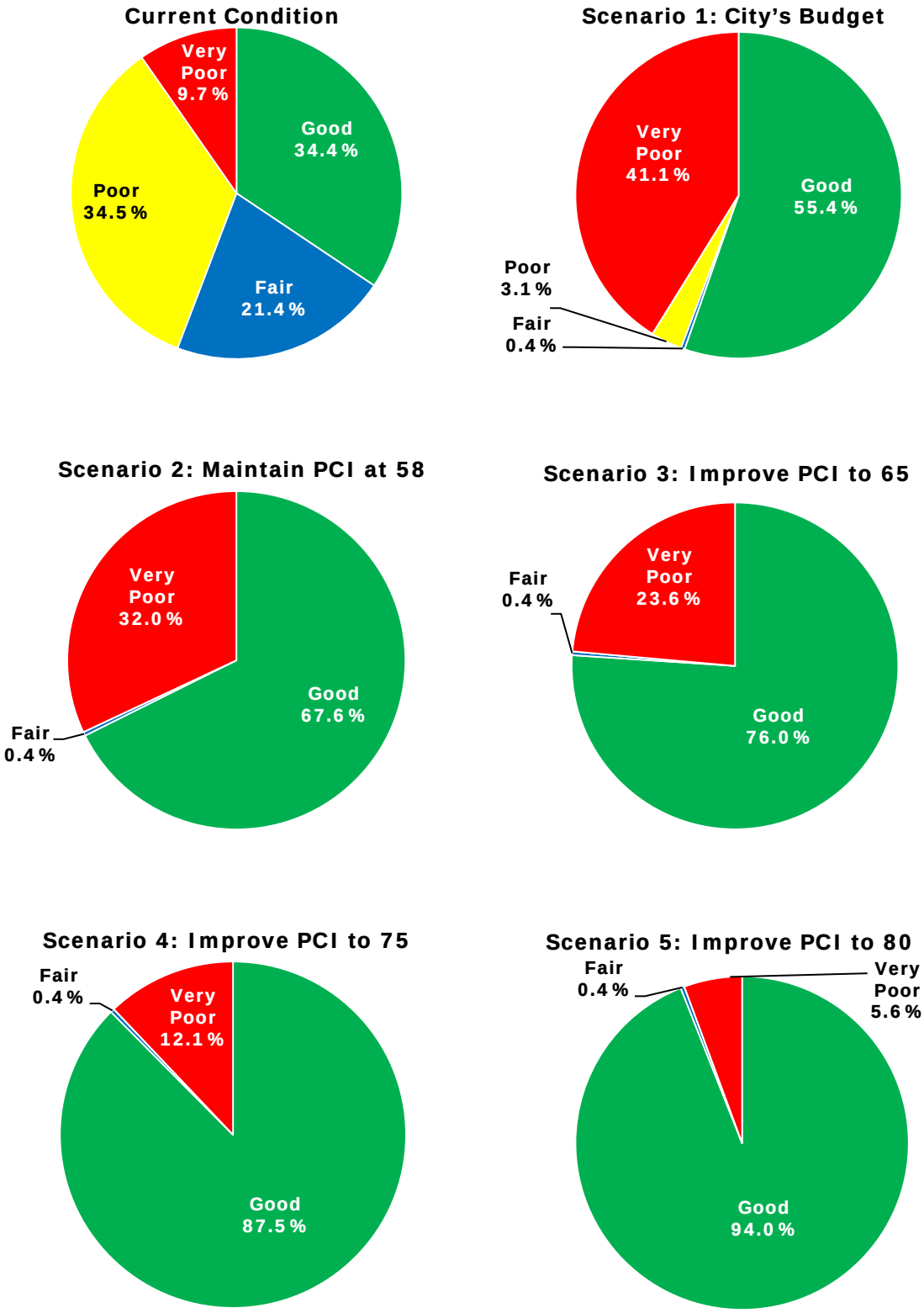


Figure 13. Resulting Pavement Condition Breakdown for Scenarios

Funding Scenarios Analysis: 20-Year Analysis

The above funding scenarios look at varying amounts of annual funding without any one-time up-front funds. The advantage of using up-front funds, if available, is that it would allow for additional streets to be resurfaced in the first year and immediately raise the citywide average PCI, as opposed to the PCI gradually increasing over a 10- to 20-year period. At the Facilities, Public Works, and Infrastructure Standing Committee meeting on November 16, 2018, the committee members requested additional scenarios that include up-front funding in the first year. This up-front funding would be provided by issuing bonds, which would be repaid through a property tax or similar assessment, subject to voter approval. Any remaining revenue would be added to the existing $1.4 million annual budget.

The additional scenarios analyzed four potential tax rates of $100, $200, $300, and $400 per parcel per year. In addition to varying tax amounts, the scenarios analyzed four different bond issue amounts for each of the tax rates at $8, $9, $10, and $15 million. These combinations resulted in 16 total funding scenarios, as shown in Table 9.

Table 9. Summary of 20-Year Funding Scenarios

Scenario #	Annual Parcel Tax / Assessment	Estimated Annual Revenue Generated ($millions)	Up-Front Funding (Bond Amount) ($millions)	Annual Debt Service on Bonds ($millions)	Revenue Remaining for Annual Budget ($millions)	Total Annual Budget Including $1.4m Transportation Funds ($millions)
6A	$100	$1.000	$8.000	$0.684	$0.316	$1.716
6B	$100	$1.000	$9.000	$0.774	$0.226	$1.626
6C	$100	$1.000	$10.000	$0.859	$0.141	$1.541
6D*	$100	$1.000	$15.000	$1.300	-$0.300	$1.100
7A	$200	$2.000	$8.000	$0.684	$1.316	$2.716
7B	$200	$2.000	$9.000	$0.774	$1.226	$2.626
7C	$200	$2.000	$10.000	$0.859	$1.141	$2.541
7D	$200	$2.000	$15.000	$1.300	$0.700	$2.100
8A	$300	$3.000	$8.000	$0.684	$2.316	$3.716
8B	$300	$3.000	$9.000	$0.774	$2.226	$3.626
8C	$300	$3.000	$10.000	$0.859	$2.141	$3.541
8D	$300	$3.000	$15.000	$1.300	$1.700	$3.100
9A	$400	$4.000	$8.000	$0.684	$3.316	$4.716
9B	$400	$4.000	$9.000	$0.774	$3.226	$4.626
9C	$400	$4.000	$10.000	$0.859	$3.141	$4.541
9D	$400	$4.000	$15.000	$1.300	$2.700	$4.100

Annual budget also applies in first year in addition to up-front funding.
*Annual budget for scenario 6D is lower than existing because tax revenue would not cover debt service.

The separate analyses were conducted to determine and compare the impacts of 16 different funding scenarios over a period of 20 years. Note that, under these 16 scenarios, the PCI breakpoint between the "Very Good" and the "Good" conditions was increased by five points for all functional classifications; this, in-turn, would allow the network PCI to increase.

Scenarios 6 (A-D): Varied Up-front Funds ($8M, $9M, $10M, $15M) with $100 Tax Rate

NCE performed the four analyses using increasing up-front funds with the $100 annual tax per parcel as the annual budget. Scenarios 6A and 6B show the exact same PCIs for the next 20 years. All four scenarios have a large increase in the PCI for the first year due to the large amount of the up-front funds. The network PCIs will decrease slowly due to the insufficient funding after the first year. Scenario 6D with $15 million up-front funds shows a 13-point PCI increase in the first year; however, with the $1.1 million annual budget, it will deteriorate to 50 as the other three scenarios show a PCI 51 in FY 2038/39. The deferred maintenances will increase significantly to over $70 million by the end of the analysis period for all four scenarios. In the first 10 years, Scenario 6D shows better condition with a higher PCI and lower deferred maintenance. After 10 years, the four scenarios show similar conditions. Detailed budgets are found in Table 10. PCI and deferred maintenance trends are shown in Figures 14 and 15.

Table 10. Annual Budget for Scenarios 6A, 6B, 6C and 6D

Scenario		FY 2019/20 Annual Budget* ($M)	FY 2020/21 to FY 2038/39 Annual Budget ($M)	20-Year Total Budget ($M)
6A	$8 million Up-front	9.716	1.716	42.32
6B	$9 million Up-front	10.626	1.626	41.52
6C	$10 million Up-front	11.541	1.541	40.82
6D	$15 million Up-front	16.100	1.100	37.00

*Budget for FY 2019/20 (Year 1) includes up-front funds and annual budget.

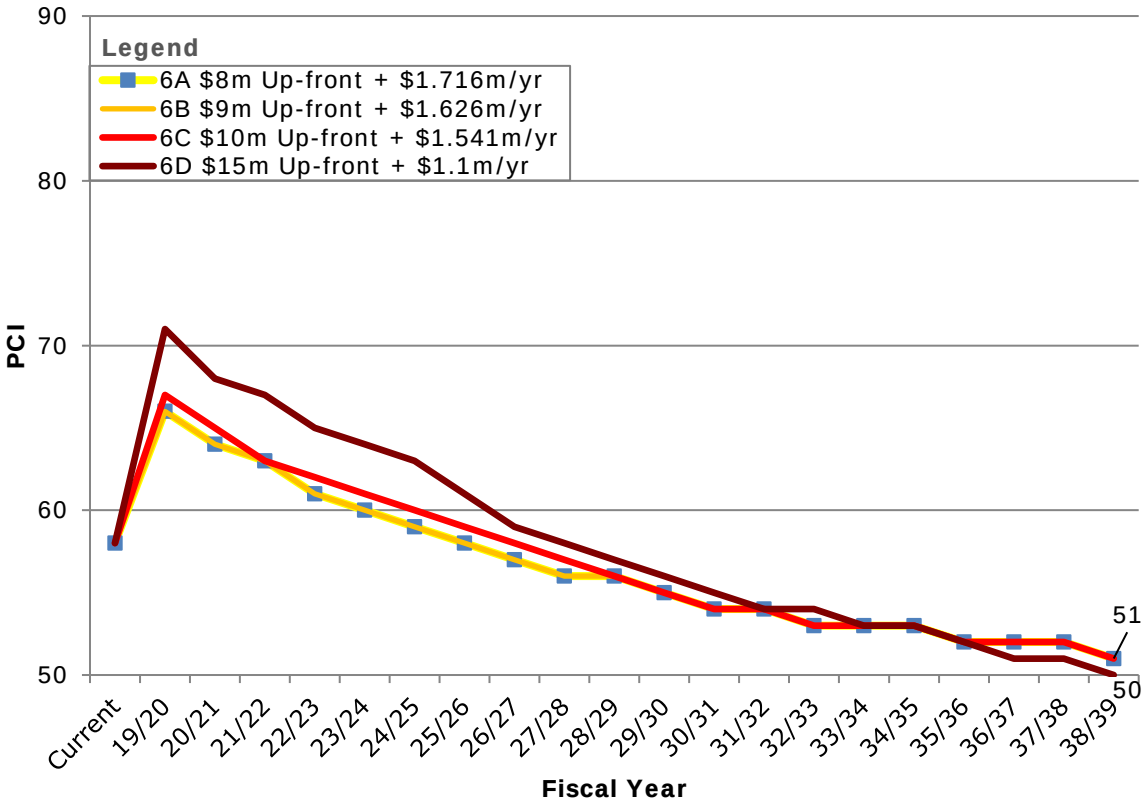


Figure 14. Network PCI for Scenarios 6A, 6B, 6C and 6D

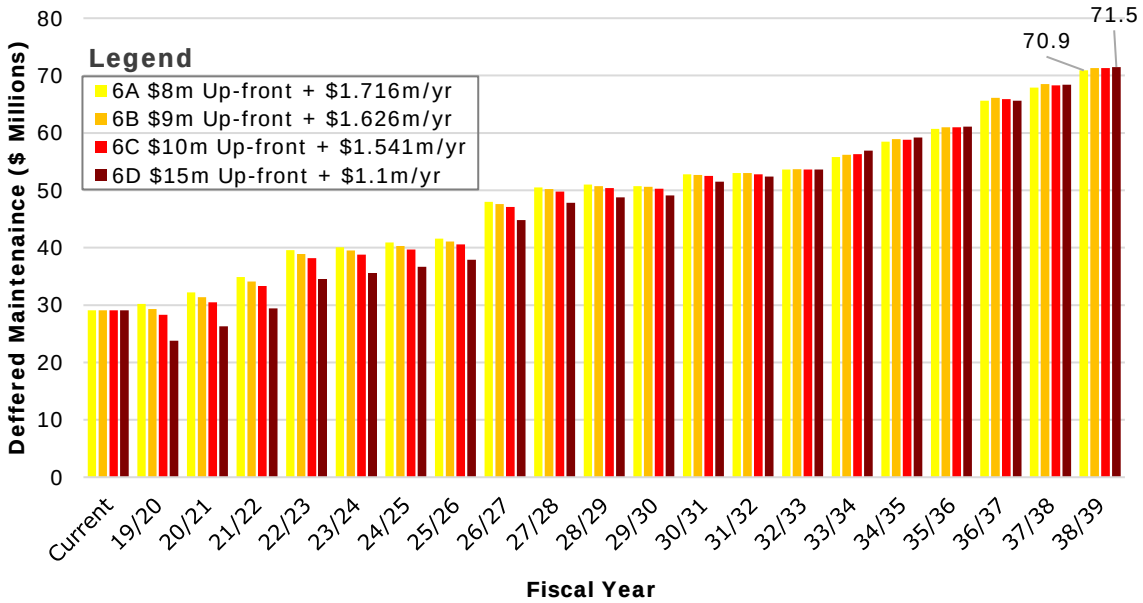


Figure 15. Deferred Maintenance for Scenarios 6A, 6B, 6C and 6D

Scenarios 7 (A-D): Varied Up-front Funds ($8M, $9M, $10M, $15M) with $200 Tax Rate

The same four up-front funds were carried over from Scenarios 6A, 6B, 6C, and 6D. With the $200 annual tax per parcel, the annual budget will increase by $1 million in each scenario. The PCI will begin to decline after the first year. At the end of the 20 years, the network PCI will be at 58 to 60. The deferred maintenance will fluctuate with an increasing trend for these four scenarios in the next 20 years. The annual budget with a $200 annual parcel tax is not sufficient to maintain the current pavement condition. The details are shown in Table 11, Figure 16 and Figure 17.

Table 11. Annual Budget for Scenarios 7A, 7B, 7C and 7D

Budget Scenario		FY 2019/20 Annual Budget* ($M)	FY 2020/21 to FY 2038/39 Annual Budget ($M)	20- Year Total Budget ($M)
7A	$8 million Up-front	10.716	2.716	62.32
7B	$9 million Up-front	11.626	2.626	61.52
7C	$10 million Up-front	12.541	2.541	60.82
7D	$15 million Up-front	17.100	2.100	57.00

*Budget for FY 2019/20 (Year 1) includes up-front funds and annual budget.

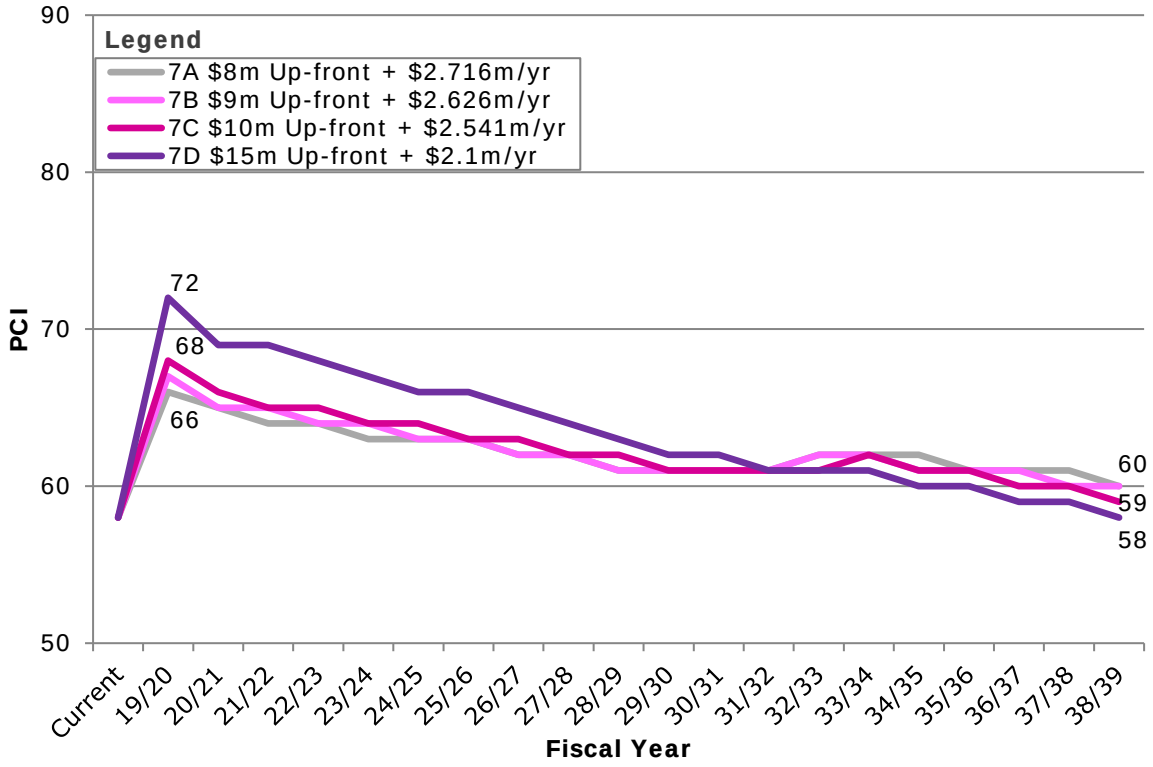


Figure 16. Network PCI for Scenarios 7A, 7B, 7C and 7D

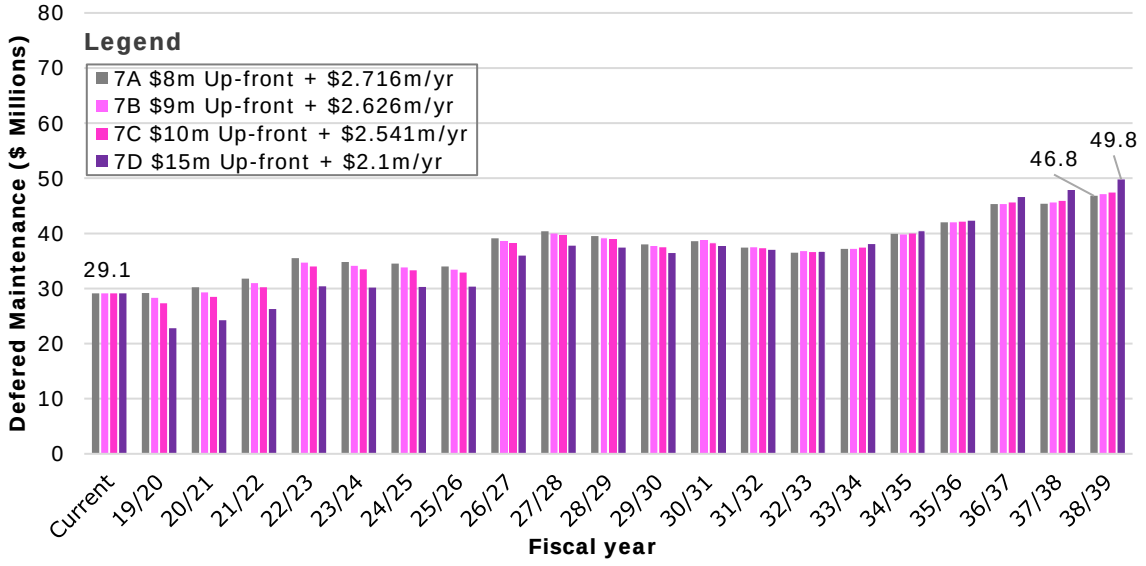


Figure 17. Deferred Maintenance for Scenarios 7A, 7B, 7C and 7D

Scenarios 8 (A-D): Varied Up-front Funds ($8M, $9M, $10M, $15M) with $300 Tax Rate

The $300 annual tax per parcel would result in more than a $3 million annual budget for Scenarios 8A, 8B, 8C and 8D. The network PCI will be in either in the higher 60s or lower 70s throughout the next 20 years. The deferred maintenance will fluctuate and shows a slightly declining trend. The details are shown in Table 12, Figure 18 and Figure 19.

Table 12. Annual Budget for Scenarios 8A, 8B, 8C and 8D

Budget Scenario		FY 2019/20 Annual Budget* ($M)	FY 2020/21 to FY 2038/39 Annual Budget ($M)	20- Year Total Budget ($M)
8A	$8 million Up-front	11.716	3.716	82.32
8B	$9 million Up-front	12.626	3.626	81.52
8C	$10 million Up-front	13.541	3.541	80.82
8D	$15 million Up-front	18.100	3.100	77.00

*Budget for FY 2019/20 (Year 1) includes up-front funds and annual budget.

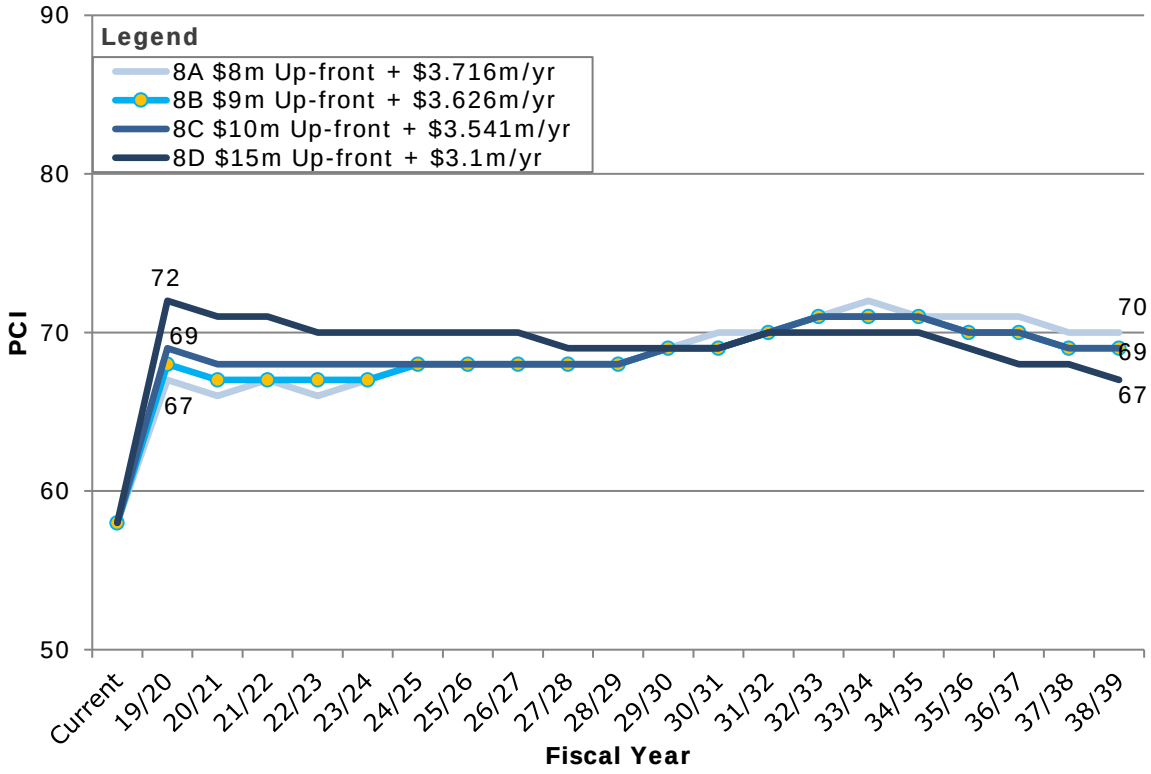


Figure 18. Network PCI for Scenarios 8A, 8B, 8C and 8D

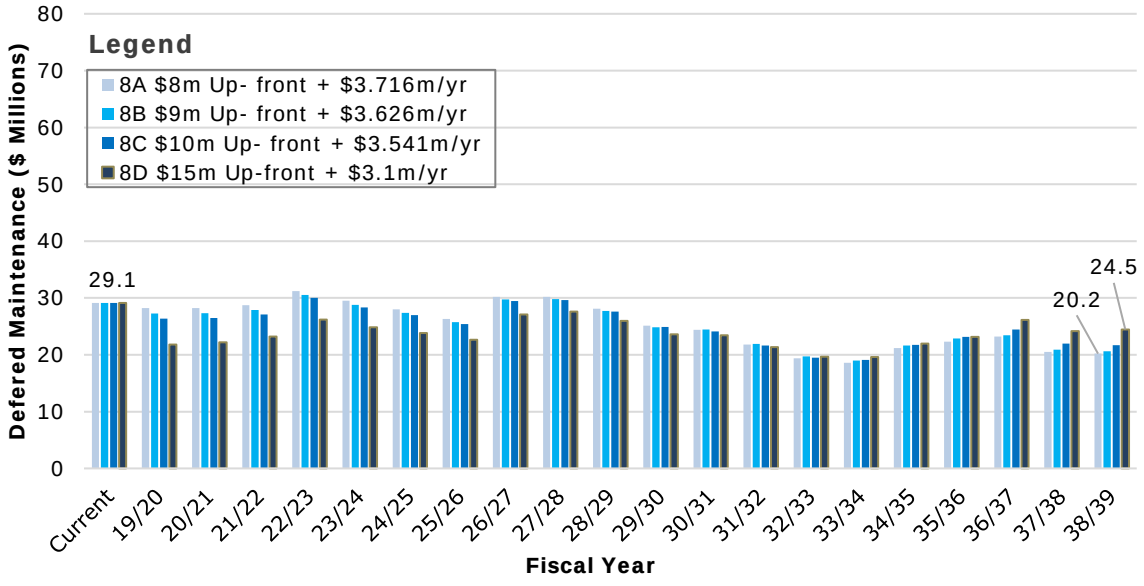


Figure 19. Deferred Maintenance for Scenarios 8A, 8B, 8C and 8D

Scenarios 9 (A-D): Varied Up-front Funds ($8M, $9M, $10M, $15M) with $400 Tax Rate

Scenarios 9A, 9B, 9C and 9D have the highest annual budgets of the 16 scenarios. After the large increase in the first year, the overall network PCI will continue going upwards until FY 2034/35. The PCI drops in the last 5 years, but all four scenarios will have a PCI of either 76 or 77 in FY 2038/39, which is a "Good" condition. For Scenario 9A, 9B and 9C, deferred maintenance will be eliminated in FY 3033/34 and also in the last 3 years. All four scenarios show a clear declining trend in the deferred maintenance. Details are shown in Table 13, Figure 20 and Figure 21.

Table 13. Annual Budget for Scenarios 9A, 9B, 9C and 9D

Scenario		FY 2019/20 Annual Budget* ($M)	FY 2020/21 to FY 2038/39 Annual Budget ($M)	20- Year Total Budget ($M)
9A	$8 million Up-front	12.716	4.716	102.32
9B	$9 million Up-front	13.626	4.626	101.52
9C	$10 million Up-front	14.541	4.541	100.82
9D	$15 million Up-front	19.100	4.100	97.00

*Budget for FY 2019/20 (Year 1) includes up-front funds and annual budget.

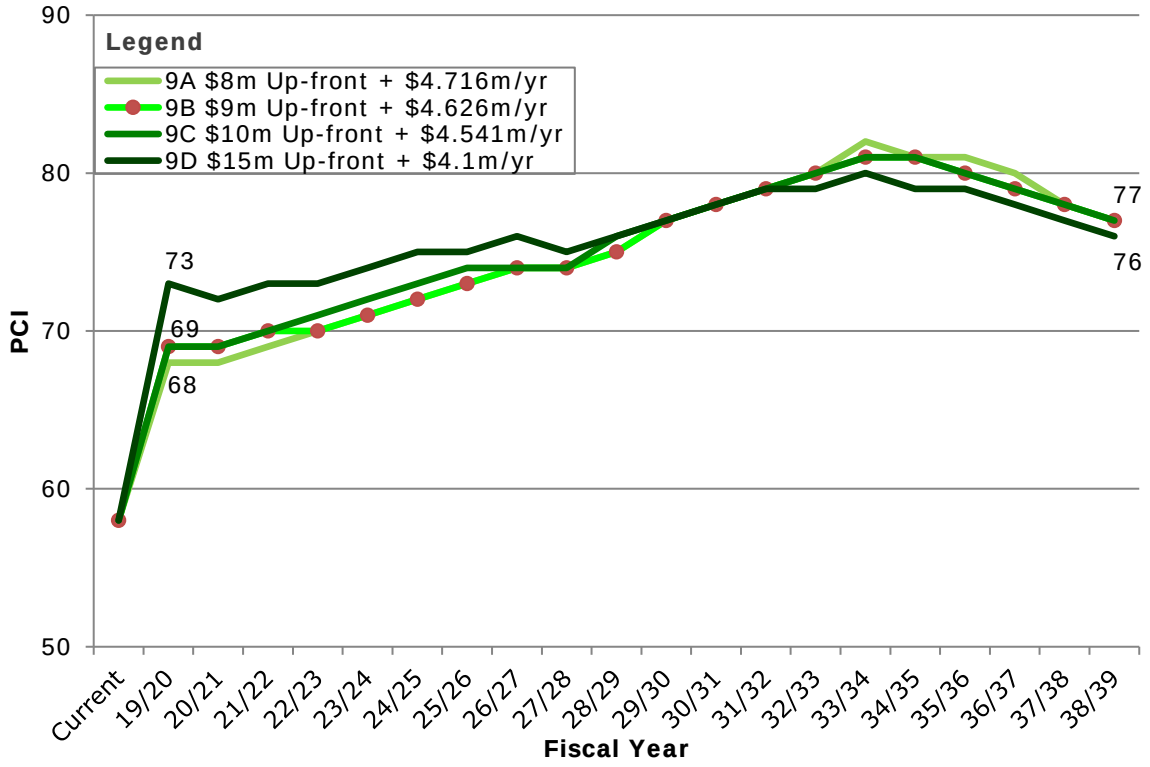


Figure 20. Network PCI for Scenarios 9A, 9B, 9C and 9D

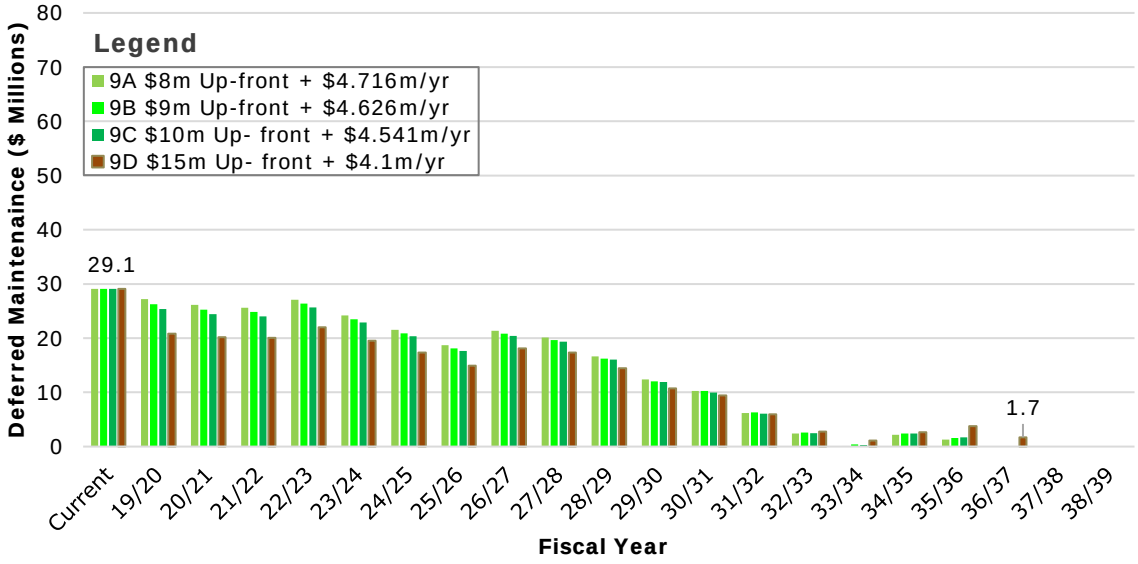


Figure 21. Deferred Maintenance for Scenarios 9A, 9B, 9C and 9D

PCI Comparisons between Scenarios with the Same Up-front Funds

Figures 22 to 25 compare the scenarios with the same up-front funds with different annual budgets. The annual budget shows a difference in PCIs in the 20-year-long run. Scenario 9A, with $8 million up-front funding and $4.7 million annual budget will increase the network PCI to the low 80s within 20 years. Appendix I shows the pavement condition breakdown in FY 2038/39 for each of the 16 budget scenarios.

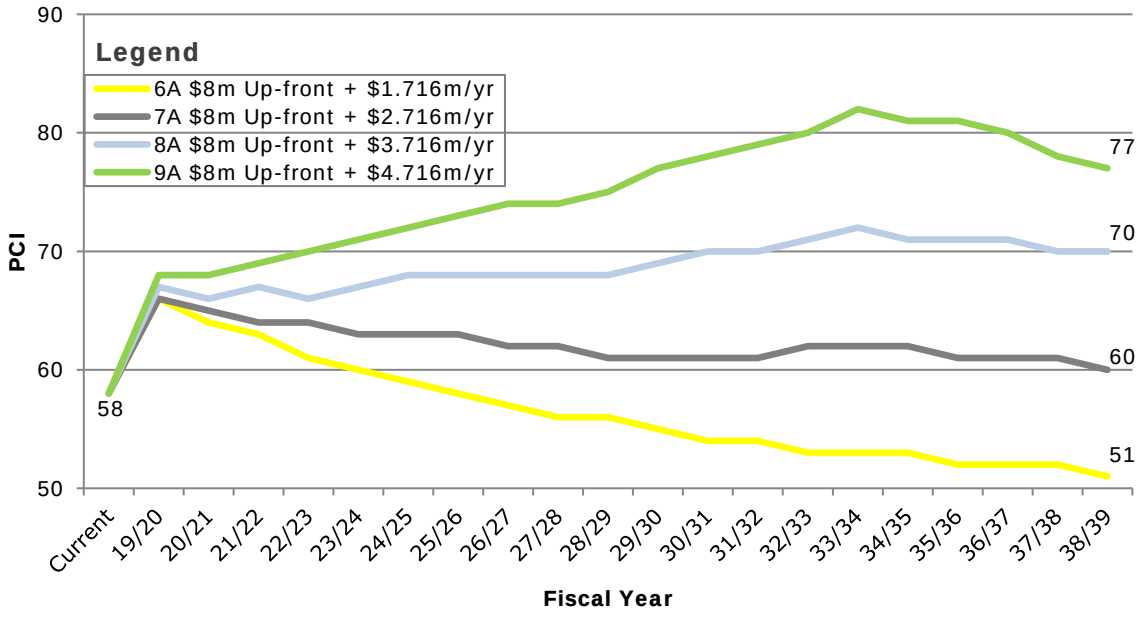


Figure 22. PCI Comparisons - $8 Million Up-front Funds

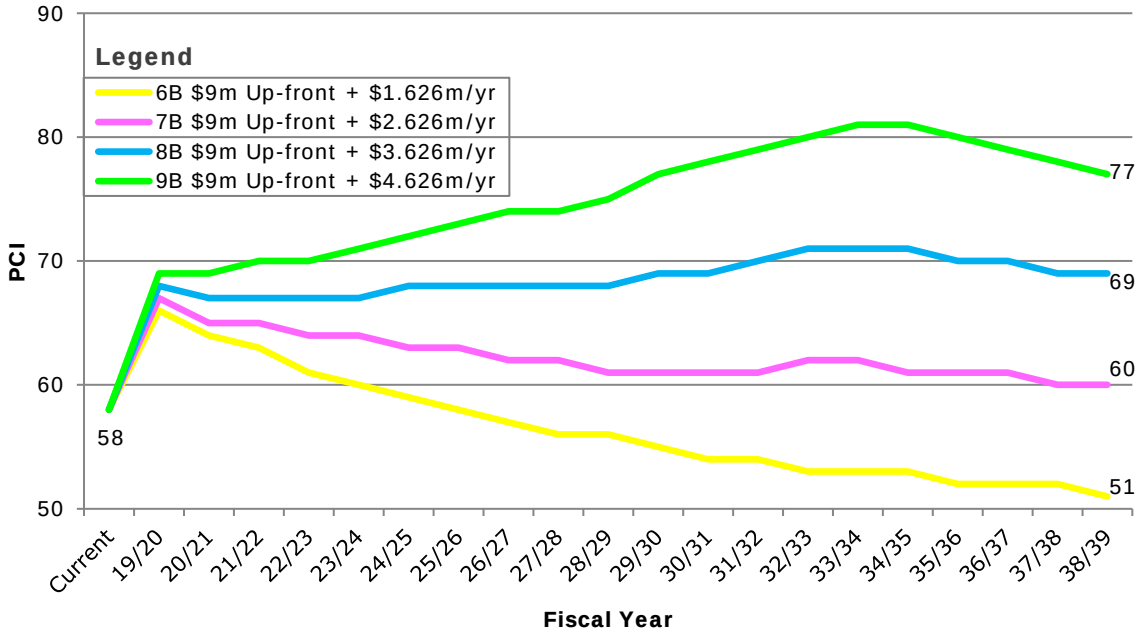


Figure 23. PCI Comparisons - $9 Million Up-front Funds

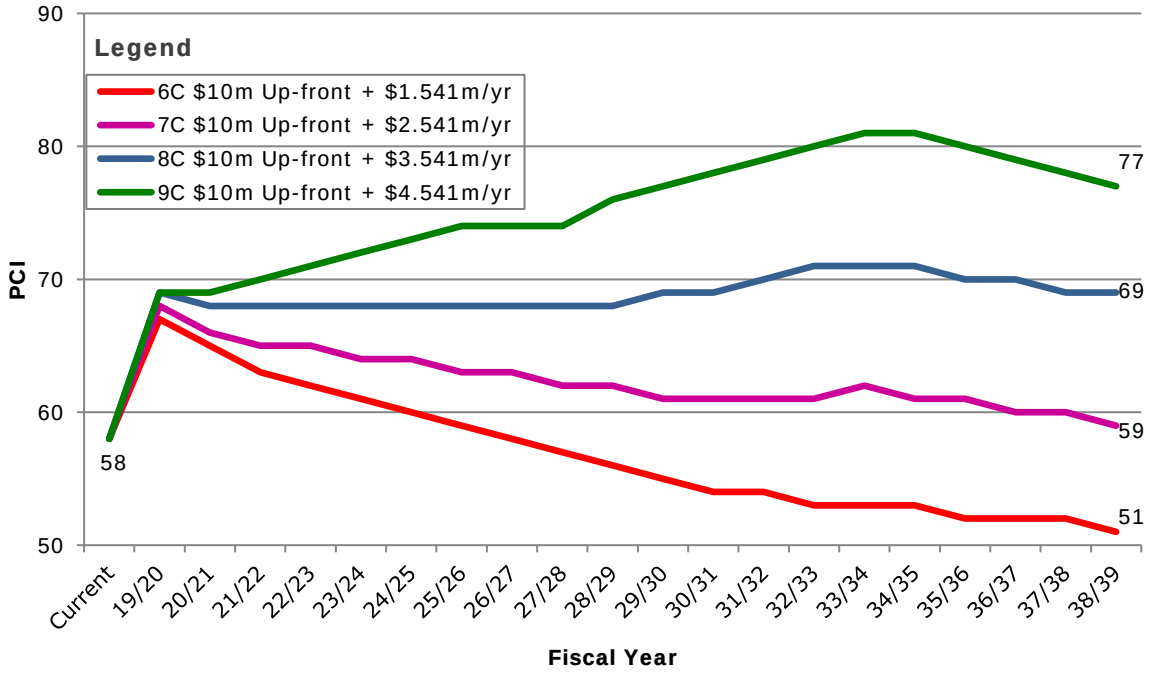


Figure 24. PCI Comparisons - $10 Million Up-front Funds

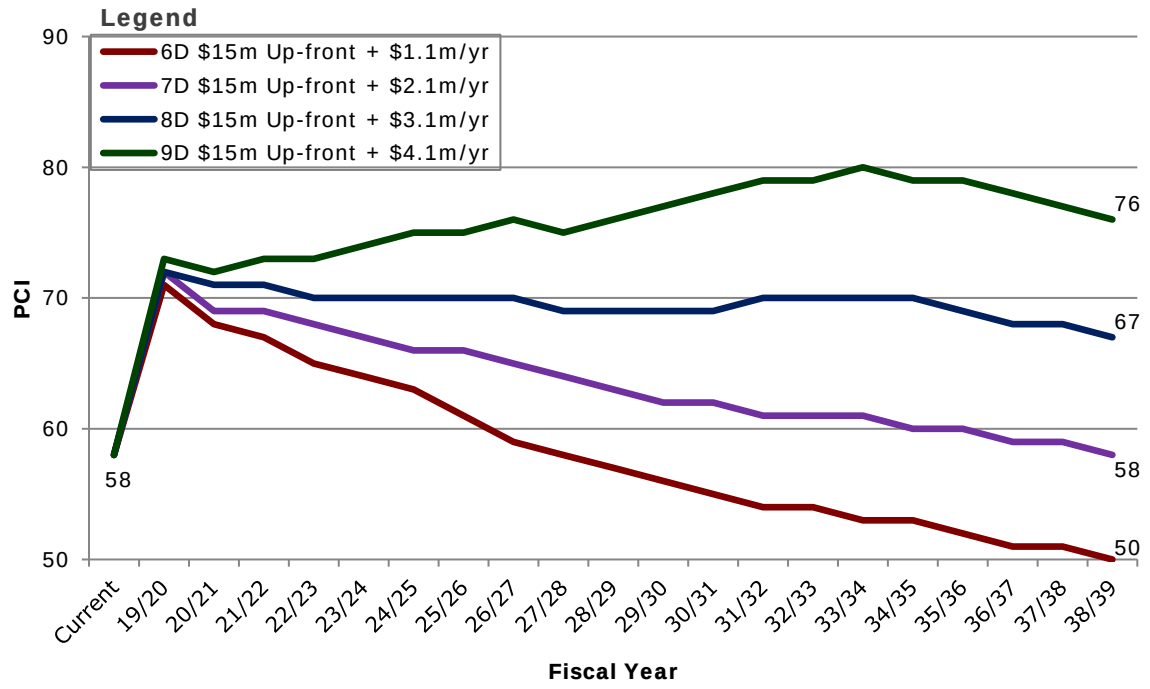


Figure 25. PCI Comparisons - $15 Million Up-front Funds

Recap: 20-Year Funding Scenario Analysis

The 16 scenarios indicate that higher up-front funds will improve the current pavement condition in the short-term, while a higher annual budget works better in the long-term. In order to both maintain the PCI at a better level and lower the deferred maintenance, a $300 or $400 tax rate per parcel would be necessary. Even though the 20-year total budget appears larger with a higher annual budget, it is more realistic in terms of up-front expenditures.

Conclusions

The City of Temple City has a substantial investment in its street network with an estimated total replacement cost of $104.7 million. Overall, the street network is in "Fair" condition with a citywide average PCI of 58. Approximately 44 percent of the City's streets fall in either the "Poor" or "Very Poor" condition categories. At the current annual funding level of $1.4 million, there is a downward trend in PCI projected over the next 10 years. In addition, the cost of deferred maintenance under the City's budget will continue to grow dramatically.

a. Pavement Funding

At current funding levels, the PCI will decrease to 49 by FY 2027/28 and the deferred maintenance will increase to $57.6 million, which is a 98 percent increase over the current level. In addition, the percentage of streets in the "Very Poor" condition will increase from 9.7 percent to 41.1 percent.

If sufficient funding is unavailable for street M&R, the average PCI is expected to decrease and the deferred maintenance or unfunded backlog will almost double. The higher backlog will result in increased future costs, because more capital-intensive treatments such as reconstruction will be required as less-expensive treatments such as surface seals or overlays are no longer effective.

The results of the StreetSaver® budget analyses indicated that if a 10-year approach is adopted, the City would need to increase the annual pavement funding to a minimum of $4.6 million per year. This funding level will increase the amount of the "Good" condition streets from 34.4 percent to 87.5 percent of the network. The PCI improves to 75 and the deferred maintenance drops to $15.8 million.

If the City adopts a 20-year plan including up-front funding and annual parcel taxes, the results of the additional scenario analyses indicate that a parcel tax of at least $300 annually would be required to improve pavement conditions without increasing deferred maintenance.

b. Pavement Maintenance Strategies

NCE recommends that the City consider other treatment options. Micro-surfacing can be an appropriate treatment for preventive maintenance; full-depth reclamation (FDR) and cold-in-place recycling (CIR) are also alternatives to reconstruction. These treatments can offer approximately 20 to 30 percent in cost savings.

c. Re-inspection Strategies

In order to monitor future pavement performance and on-going maintenance needs, the Los Angeles County Metro requires an inventory of city-maintained arterial and collector streets in order to be eligible for Prop C funds. This inventory update should

be done on the triennial basis. Furthermore, NCE recommends that the City inspect the residential street network every 5 to 6 years.

d. M&R Decision Tree

The M&R decision tree and the associated unit costs should be reviewed and updated triennially to reflect new construction techniques and changing costs so the funding analysis remains reliable and accurate.

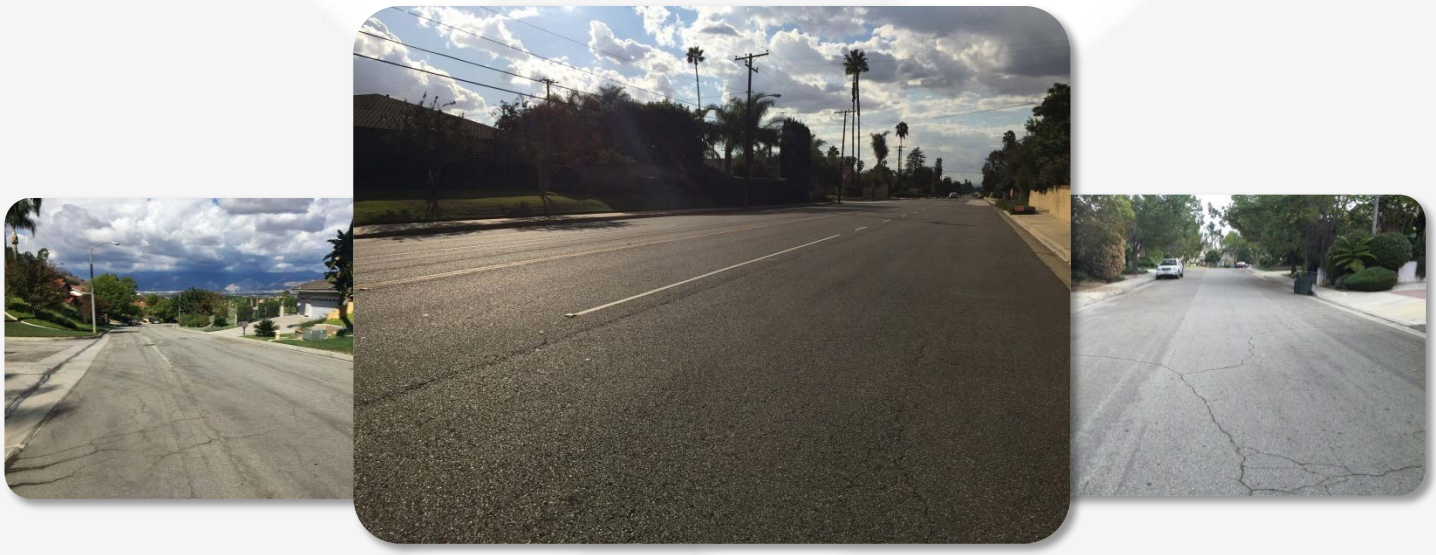
e. Next Steps

The City will need to decide upon a funding approach based on the results of the analyses discussed herein. In addition, NCE recommends that the City consider the following steps:

- Establish well-funded preventive M&R programs to preserve good condition streets.
- As maintenance treatments change, the City should seek alternative treatments such as micro-surfacing, FDR and CIR.
- Review and update the M&R decision tree and associated unit costs triennially if funding analyses are updated triennially.
- Take full advantage of SB 1 and Prop C funds.

Appendix A

Quality Control Plan



Quality Control Plan

Pavement Management Program
2018

NCE

Fountain Valley, CA
17050 Bushard St., Suite 200
Fountain Valley, CA 92708



City of Temple City

The contents of this report is the confidential property of NCE and should not be copied, modified, retransmitted, or used for any purpose except with NCE's written authorization.

TABLE OF CONTENTS

1. Introduction 1

1.1. Objectives 1

1.2. Structure 1

2. Quality Control Plan 2

2.1. Condition Inspection Procedures 2

2.2. Accuracy Required For Data Collection 3

2.3. Inspectors' Qualifications and Experience 4

3. Safety Procedures 5

Appendix A1 - Resumes of Field Inspectors

1. Introduction

When performing data collection in any field, the need for quality control is paramount. This need for quality data is essential for accurate planning, analysis and design. NCE's "Quality Assurance Management Plan" (QAMP) affirms that:

> *"NCE is dedicated to achieving technical and management excellence and to delivering professional engineering and environmental services that meet or exceed our clients' needs. NCE's Quality Assurance/Quality Control (QA/QC) Program is designed to achieve these goals. This QA Management Plan (QAMP) describes NCE's QA Program, which is based on four principles: client satisfaction, employee participation, problem prevention, and continuous quality improvements."*

NCE's QAMP establishes minimum quality standards for performance and procedures for assuring that our clients receive quality service. It requires the participation of employees at every level. It encourages Project Managers and technical staff to take pride in their work and responsibility for ensuring that the work is done correctly the first time. The program is designed to reduce the incidence of problems related to quality and results in implementation, where necessary, of corrective actions and modification of work procedures to minimize the incidence of future problems.

NCE has also prepared detailed and specific Quality Control Plans for projects, and the most notable example is for the **Long Term Pavement Performance (LTPP) – Western Regional Support Contract** for the Federal Highway Administration. This is a 150 page document that covers data collection on highways, including deflection, profile, pavement distresses, traffic, maintenance and rehabilitation history, materials testing and sampling as well as a document control.

1.1. Objectives

This document constitutes a formal Quality Control Plan (QCP) for the City of Temple City. The focus is on data collection issues as part of the pavement management update.

Specifically, it is intended for the 2018 Pavement Management Update. The focus is on the collection of network-level pavement distress data (defined by NCHRP Synthesis 401 *Quality Management of Pavement Data Collection,* as "Network-level data collection involves collection of large quantities of pavement condition data, which is often converted to individual condition indices or aggregated into composite condition indices.")

1.2. Structure

The following components are addressed in this QCP:

- Condition inspection procedures used
- Accuracy required for data collection
- Inspector qualifications and experience
- Safety

2. Quality Control Plan

2.1. Condition Inspection Procedures

The governing document in performing condition inspections for the City of Temple City is ASTM D6433-18 *"Standard Practice for Roads and Parking Lots Pavement Condition Index (PCI) Surveys."* Both asphalt concrete (AC) and Portland cement concrete (PCC) pavements are included in this protocol. The following distresses are collected for each pavement type.

Asphalt Concrete (AC) Pavements

1. Alligator (fatigue) cracking
2. Bleeding
3. Block cracking
4. Bumps and sags
5. Corrugation
6. Depression
7. Edge cracking
8. Joint reflection cracking
9. Lane/Shoulder drop off
10. Longitudinal and transverse cracking
11. Patching and utility cut patching
12. Polished aggregate
13. Potholes
14. Railroad crossing
15. Rutting
16. Shoving
17. Slippage cracking
18. Swell
19. Weathering
20. Raveling

Portland Cement Concrete (Jointed)

1. Blowup/Buckling
2. Corner breaks
3. Divided slab
4. Durability ("D") cracking
5. Faulting
6. Joint seal damage
7. Lane/shoulder drop off
8. Linear cracking
9. Patching (large) and utility cuts
10. Patching (small)
11. Polished aggregate
12. Popouts
13. Pumping
14. Punchout
15. Railroad crossing
16. Scaling, map cracking and crazing
17. Shrinkage cracks
18. Spalling (corner)
19. Spalling (joint)

Any exceptions to the above procedures will be discussed with the City before any inspections are performed. These are usually related to distresses or situations that are not covered in the manuals. Examples include slippage cracks, roller check marks or edge cracking on streets with no curbs and gutters. Others include the use of seals or open-graded asphalt concrete mixes. Any modifications will be documented and submitted to the City for approval.

All distress or condition inspections are performed as walking inspections, and a minimum 10% sampling rate is utilized. Field crews are typically composed of a one-person crew teaming up when required for higher volume facilities such as arterials. The sample units for this project will be based upon the length and width of the street sections. This data will be collected to match the existing management sections of StreetSaver®.

2.2. Accuracy Required For Data Collection

The accuracy required for data collection has two components, both of which are further described in the following paragraphs.

- Re-inspections
- PCI comparisons with past inspections

2.2.1 Re-Inspection "Check"

At least five percent of all inspections are randomly re-inspected by other team members. A different inspector will review these sites and determine the revised pavement distress measurements. If the initial inspection is determined to be inaccurate, the original inspector is given refresher training before being allowed to continue with any further inspections. Should the data be inaccurate for a certain day, all the data for that day will be re-inspected following refresher training to ensure accuracy.

Acceptability Criteria

At the time of re-inspection, the actual distresses will be re-inspected and verified, and any corrections made, if necessary. Distress types and severities must be the same and re-measured quantities within ±10% of the original measured quantity.

If corrections are required on more than 10% of the re-inspected sample units, then an additional 5% will be re-inspected. This will continue until more than 95% of the re-inspected sections meet the acceptability criteria.

2.2.2 PCI Comparison with Past Inspections

As another level of quality control, the new PCIs are compared with the previous PCIs. If they differ by more than ±10 PCI points, these sections are automatically flagged for further investigation.

If PCI Increases 10 points

The section is investigated to see if a maintenance and rehabilitation event has occurred since the last inspection, but which has not been recorded. This can only be resolved with feedback from the City. Typically, it may include activities such as:

- Crack sealing activities – changes medium or high severity cracking to low severity
- Patching activities - alligator cracking that has been removed and patched, so that the resultant PCI is increased.
- Surface seals
- Overlay

Therefore, an up-to-date maintenance and rehabilitation history file in the StreetSaver® database is desirable, both for historical accuracy as well as to provide additional quality control.

If PCI Decreases 10 points

The section is checked to see if the average deterioration rate (usually 3 to 4 points per year) is exceeded. If the drop in PCI is within the range of what is acceptable, no further action is required. If the drop is more than the acceptable range, a re-inspection will be performed. The default performance curves in the pavement management software form the basis for what is acceptable.

2.3. Inspectors' Qualifications and Experience

All NCE's inspectors are required to attend formal training on condition distress inspections. For example, any of the NCE inspectors working on the LTPP project are required to attend a week-long training workshop every year to maintain their certifications.

The Orange County Transportation Agency (OCTA) prequalifies pavement inspectors for work within the County of Orange. This prequalification covers the distresses associated with the ASTM D6433 test method by assessing each inspector's knowledge of the distresses, severity levels and how to quantify each distress. Each inspector must renew their prequalification every two years.

The Metropolitan Transportation Commission (MTC), requires all inspectors working on pavement management projects funding by MTC to be certified every two years. Each inspector must attend the distress training class provided by MTC. Then they are required to undergo field testing on their knowledge and complete an online test.

Finally, NCE conducts a one-day training and calibration workshop for all NCE staff involved with data collections. This is conducted once a year. The following table lists the inspectors to be assigned to this project, when their last training was and who conducted it.

Inspector Name	Date of StreetSaver Training	Training Conducted by:
Franc Escobedo	November 13, 2017	Lisa Senn
Jacob Rajnowski	November 13, 2017	Lisa Senn
David Na	November 13, 2017	Lisa Senn

Resumes of technicians utilized on this project are included in Appendix A1.

3. Safety Procedures

NCE administers a health and safety program in compliance with the Nevada Occupational Safety and Health Act (Section 618.383) and Cal OSHA Title VIII, Section 3203. The program is documented in NCE's *Workplace Safety Program Manual.*

Generally, the safety procedures include:

- Inspectors to wear a Class 2 safety vest at all times;
- Flashing beacon on all vehicles utilized for inspections; and
- Stopped vehicles to be parked at locations away from moving traffic (e.g. nearby parking, shoulders etc.).

On streets where there is a high volume of traffic or high speeds, additional measures may be necessary, such as:

- Inspections to occur during off-peak periods or on weekends;
- Additional inspector to watch out for traffic; and
- Traffic flaggers in extreme cases.

In extreme cases where it is not possible to walk on the pavement surface, inspections will be performed from sidewalks or raised medians. However, this is extremely rare for city or county roads/streets; this is most often encountered on state highways, and lane closures are the most likely option at this point.

All NCE inspectors are required to annually update their online safety programs as administered by “Click Safety”. Class Taken are:

- C2 Cal PPE
- C2 Workzone Traffic Control
- C2 Workzone Traffic Safety Tips
- G2 Cal/OSHA Heat Illness

Appendix A1

Resumes of Field Inspectors

Franc Escobedo
Engineering Field Technician

Mr. Franc Escobedo has over 15 years of experience as a pavement management technician for NCE. He has performed numerous pavement condition inspections throughout California, Idaho, and Washington. He experience includes distress collection across various Pavement Management Systems including the Metropolitan Transportation Commission StreetSaver, MicroPAVER, Cartegraph, and Hansen systems.

Additionally, Mr. Escobedo has completed both the OCTA MicroPAVER and MTC "Distress Identification" courses for both Asphalt Concrete and Portland Cement Pavements and now assists with the training of agency staff on both courses.

Mr. Escobedo performs all activities relating to pavement data collection using hardcopy forms or tablets. As part of the quality control process, he performs cross-checks of data in the PMS database. He also regularly performs quality control checks of field collected data and pavement maintenance history to ensure that PMS databases are accurate and up-to-date. During this process, he also generates detailed reports, which are necessary to perform his cross-checks of the collected data.

His field experience and expertise is an added benefit to agencies during field training. Listed below are a collection of agencies for which Mr. Escobedo has performed condition inspections – they total over 6,000 centerline miles of roads and streets.

Representative Projects

Pavement Management Inspections | *Engineering Field Technician*

- Ada County, Idaho
- Agoura Hills
- Anaheim
- Antioch
- Bakersfield
- Bell
- Buena Park
- Camarillo
- Chula Vista
- Commerce
- Corona
- Cudahy
- Dana Point
- Davis
- East Bay Regional Park District
- El Centro
- El Cerrito
- Elk Grove
- Encinitas
- Fairfield
- Fremont
- Fullerton
- Hayward
- Hillsborough
- Humboldt County
- Inyo County
- La Habra
- Lake County
- Lake Forest
- Lemon Grove
- Marin County
- Martinez
- Mendocino County
- Milpitas
- Mission Viejo
- Mono County
- Mountain View
- Newark
- Orange County
- Palm Springs
- Redwood City
- Rogue River National Forest
- San Clemente
- San Diego County
- San Dimas
- San Ramon
- Santa Cruz County
- Santa Maria
- Seal Beach
- Siskiyou County
- South Lake Tahoe
- Stanislaus County
- Stanton
- Thousand Oaks
- Torrance
- Tulare
- Tuolumne County
- Tustin
- Umpqua National Forest
- Vallejo
- Vernon
- Vista
- Walnut Creek
- West Covina
- West Sacramento

Projects included various forms of inspections for pavement distress data collection, such as walking, windshield, and/or semi-automated.



Education
Computer Operations Program
Computer Learning Center, Los Angeles, CA, 1983-84
Network Engineering & Administrative Program
Computer Learning Center, Anaheim, CA, 1997
Certified Network Administration
Computer Learning Center, Anaheim, CA 1997

Registrations and Certifications
OCTA MicroPAVER Certification 2016

MTC StreetSaver Rater Certification Program (expires September 2017)

Total Years of Experience
15

Jacob Rajnowski
Field Technician



Mr. Rajnowski joined NCE in 2016 as a as a pavement management technician and is experienced in collecting distress data for Pavement Management Systems.

Apart from conducting field inspections, Mr. Rajnowski performs all functions related to data collection and is an active participant in the QC process, including cross-checks of data in the PMS database, quality control checks of field collected data and pavement maintenance history to ensure that PMS databases are accurate and up to date. During this process, detailed reports are generated to perform cross-checks of the data collected. Additionally, Mr. Rajnowski has completed the OCTA MicroPAVER 'Distress Identification' course for Asphalt Concrete and Portland Cement Pavements.

Education
Sterling High School, Sterling, IL, 2003

Joined NCE
2016

Registrations and Certifications
OCTA MicroPAVER Certification 2017
MTC Certification 2016

Total Years of Experience
2 years

Representative Projects

Pavement Management

Pavement Management System Updates | *Field Technician*
Various Cities and Counties, CA

Projects included various forms of surveys for pavement distress data collection, this may have included walking, windshield, and/or semi-automated.

- Ada County, ID
- Humboldt County
- Martinez, CA
- Pleasant Hill, CA
- San Francisco, CA
- Stockton, CA
- Trinity County, CA
- Yolo County, CA

David J. Na, E.I.T
Engineering Technician

For the past several years, Mr. Na has been involved in a variety of projects providing a range of services from civil design and surveying to inspections and plan checks. While completing his undergraduate degree, he gained familiarity with multiple software programs such as HEC-HMS, SWMM, ArcGIS, and AutoCAD to name a few. Prior to joining NCE, Mr. Na was an engineering intern with the City of Costa Mesa.



Representative Projects

Mr. Na has performed numerous pavement condition inspections throughout California and performs all functions relating to pavement data collection using hardcopy forms or tablets. Mr. Na has also completed the OCTA MicroPAVER "Distress Identification" for both Asphalt Concrete and Portland Cement Pavements. Listed below are a collection of agencies for which Mr. Na has performed condition inspections.

Santa Monica	Marin County	Lake Forest
Carson	Anaheim	Mission Viejo
Stanton	Burbank	Orange County
Laguna Niguel	Garden Grove	

Pavement Management

Citywide Sidewalk Assessment | *Engineering Technician*
City of Carson, California

NCE conducted a citywide inspection in City of Carson for tripping hazards in the public right-of-way as well as ADA-compliance of curb ramps at street intersections. Field staff performed walking surveys and took photographs along the entire public sidewalk network. Mr. Na supported the concrete collection effort.

Pavement Management System Updates | *Engineering Technician*
City of Santa Monica, California

NCE is providing the pavement management system update and GIS integration for the City of Santa Monica. The City's pavement network consists of 155 miles of paved roads of which 148 miles are asphalt concrete and seven miles are portland cement concrete. The City has utilized PAVER since 2003.

Education
B.S., Civil Engineering, 2015
University of California, Irvine
B.S., Mathematics, 2016
Chapman University

Registrations and Certifications
Engineering Intern – CA (#157537)

OCTA MicroPAVER Certification 2017

Affiliations
American Society of Civil Engineers
Engineers Without Borders

Joined NCE
2016

Total Years of Experience
3 years

Appendix B

Section Description Inventory
Alley Network

Sorted by Alley Name

Alley Section Description Inventory Report

This report lists a variety of section description information for each of the City's alley pavement sections. It lists the street and section identifiers, limits, functional class, surface type, number of lanes, lengths, widths, and inspected 2018 PCI.

All of the City's alley street sections are included in the report. The report is sorted alphabetically by Alley Name and Section ID. The field descriptions in this report are listed.

Header	Description
ALLEY NAME	The name of the alley
SECTION ID	Section identification number in StreetSaver® unique for each section of one alley
BEG LOCATION	Beginning limit of the alley section
END LOCATION	Ending limit of the alley section
FC	Functional Classification (O -Other)
SURFACE TYPE	Surface Type (O - AC/AC = AC Overlay of AC Pavement)
LANES	Number of lanes of the alley section
LENGTH (FT)	Length of the alley section in feet
WIDTH (FT)	Average width of the alley section in feet
AREA (SF)	Area of the alley section in square feet
2013 PCI	Average 2013 PCI for the alley section
2018 INSPECTED PCI	Average 2018 inspected PCI for the alley section

Alley Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	2013 PCI	2018 Inspected PCI
ALLEY EAST OF BALDWIN AVENUE	A001	LIVE OAK AVENUE	BOGUE STREET	O - Other	O	2	483	20	9,660	41	44
ALLEY EAST OF BALDWIN AVENUE	A002	BOGUE STREET	DAINES DRIVE	O - Other	O	2	742	20	14,840	40	34
ALLEY EAST OF CAMELIA AVENUE	A003	WOODRUFF AVENUE	ALLEY NORTH OF LAS TUNAS DRIVE	O - Other	O	2	420	20	8,400	55	47
ALLEY EAST OF CAMELIA AVENUE	A004	ALLEY SOUTH OF LAS TUNAS DRIVE	WORKMAN AVENUE	O - Other	O	2	455	20	9,100	75	44
ALLEY EAST OF CLOVERLY AVENUE	A005	ALLEY SOUTH OF LAS TUNAS DRIVE	WORKMAN AVENUE	O - Other	O	2	420	20	8,400	74	42
ALLEY EAST OF CLOVERLY AVENUE	A006	WOODRUFF AVENUE	ALLEY NORTH OF LAS TUNAS DRIVE	O - Other	O	2	450	20	9,000	48	52
ALLEY EAST OF EL MONTE AVENUE	A007	GRAND AVENUE	CITY LIMIT	O - Other	O	2	894	20	17,880	62	51
ALLEY EAST OF KAUFFMAN AVENUE	A008	ALLEY SOUTH OF LAS TUNAS DRIVE	WORKMAN AVENUE	O - Other	O	2	462	20	9,240	40	36
ALLEY EAST OF ROSEMEAD BOULEVA	A009	ALLEY SOUTH OF BROADWAY	RANCHO REAL ROAD	O - Other	O	2	153	20	3,060	83	72
ALLEY EAST OF ROSEMEAD BOULEVA	A010	RANCHO REAL ROAD	OLIVE STREET	O - Other	O	2	300	20	6,000	36	9
ALLEY EAST OF TEMPLE CITY BOUL	A011	WOODRUFF AVENUE	ALLEY NORTH OF LAS TUNAS DRIVE	O - Other	O	2	420	20	8,400	39	40
ALLEY EAST OF TEMPLE CITY BOUL	A012	ALLEY SOUTH OF LAS TUNAS DRIVE	WORKMAN AVENUE	O - Other	O	2	462	20	9,240	40	49
ALLEY EAST OF TEMPLE CITY BOUL	A013	ALLEY NORTH OF LOWER AZUSA ROA	LOWER AZUSA ROAD	O - Other	O	2	222	20	4,440	21	22
ALLEY EAST OF TEMPLE CITY BOUL	A014	LOWER AZUSA ROAD	ALLEY SOUTH OF LOWER AZUSA ROA	O - Other	O	2	130	20	2,600	73	7
ALLEY NORTH OF DANBURY STREET	A015	ALLEY NORTH OF DANBURY STREET	PERSIMMON AVENUE	O - Other	O	2	370	20	7,400	23	19
ALLEY NORTH OF DANBURY STREET	A016	EL MONTE AVENUE	PERSIMMON AVENUE	O - Other	O	2	330	20	6,600	37	29
ALLEY NORTH OF DANBURY STREET	A017	PERSIMMON AVENUE	EAST END	O - Other	O	2	148	20	2,960	68	39
ALLEY NORTH OF HERMOSA DRIVE	A018	WEST END	SULTANA AVENUE	O - Other	O	2	305	20	6,100	51	37
ALLEY NORTH OF HERMOSA DRIVE	A019	SULTANA AVENUE	HART AVENUE	O - Other	O	2	250	20	5,000	73	50
ALLEY NORTH OF HERMOSA DRIVE	A020	HART AVENUE	LOMA AVENUE	O - Other	O	2	390	20	7,800	70	63
ALLEY NORTH OF HERMOSA DRIVE	A021	LOMA AVENUE	ENCINITA AVENUE	O - Other	O	2	390	20	7,800	70	47
ALLEY NORTH OF LAS TUNAS DRIVE	A022	SULTANA AVENUE	HART AVENUE	O - Other	O	2	272	20	5,440	80	67
ALLEY NORTH OF LAS TUNAS DRIVE	A023	HART AVENUE	LOMA AVENUE	O - Other	O	2	471	20	9,420	78	67
ALLEY NORTH OF LAS TUNAS DRIVE	A024	LOMA AVENUE	HERMOSA DRIVE	O - Other	O	2	309	20	6,180	73	56
ALLEY NORTH OF LAS TUNAS DRIVE	A025	ENCINITA AVENUE	ALESSANDRO AVENUE	O - Other	O	2	360	20	7,200	41	17
ALLEY NORTH OF LAS TUNAS DRIVE	A026	CLOVERLY AVENUE	PRIMROSE AVENUE	O - Other	O	2	370	20	7,400	55	40
ALLEY NORTH OF LOWER AZUSA ROA	A027	WEST END	PAL MAL AVENUE	O - Other	O	2	270	20	5,400	44	36
ALLEY NORTH OF LOWER AZUSA ROA	A028	PAL MAL AVENUE	EAST END	O - Other	O	2	230	20	4,600	24	17
ALLEY NORTH OF LOWER AZUSA ROA	A029	TEMPLE CITY BOULEVARD	ALLEY EAST TEMPLE CITY BOULEVA	O - Other	O	2	180	20	3,600	21	20
ALLEY SOUTH OF BROADWAY	A030	ROSEMEAD BOULEVARD	SULTANA AVENUE	O - Other	O	2	478	20	9,560	83	64
ALLEY SOUTH OF BROADWAY	A031	SULTANA AVENUE	LOMA AVENUE	O - Other	O	2	700	20	14,000	83	67
ALLEY SOUTH OF DAINES DRIVE	A032	WEST END	PERSIMMON AVENUE	O - Other	O	2	165	20	3,300	21	23
ALLEY SOUTH OF FREER STREET	A033	WEST END	PERSIMMON AVENUE	O - Other	O	2	317	20	6,340	69	20
ALLEY SOUTH OF LAS TUNAS DRIVE	A034	ROSEMEAD BOULEVARD	SULTANA AVENUE	O - Other	O	2	533	20	10,660	80	63
ALLEY SOUTH OF LAS TUNAS DRIVE	A035	LOMA AVENUE	ENCINITA AVENUE	O - Other	O	2	372	20	7,440	40	32
ALLEY SOUTH OF LAS TUNAS DRIVE	A036	ALLEY EAST OF TEMPLE CITY BOUL	CAMELLIA AVENUE	O - Other	O	2	184	20	3,680	85	88
ALLEY SOUTH OF LAS TUNAS DRIVE	A037	CAMELLIA AVENUE	KAUFFMAN AVENUE	O - Other	O	2	370	20	7,400	85	89
ALLEY SOUTH OF LAS TUNAS DRIVE	A038	ALLEY EAST OF KAUFFMAN AVENUE	GOLDEN WEST AVENUE	O - Other	O	2	200	20	4,000	40	36
ALLEY SOUTH OF LIVE OAK AVENUE	A039	WEST END	BALDWIN AVENUE	O - Other	O	2	514	20	10,280	29	24
ALLEY SOUTH OF LOWER AZUSA ROA	A040	TEMPLE CITY BOULEVARD	ALLEY EAST OF TEMPLE CITY BOUL	O - Other	O	2	164	20	3,280	39	28

City of Temple City
2018 PMP Update
Alley PCI Listing

Alley Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	2013 PCI	2018 Inspected PCI
ALLEY SOUTH OF LOWER AZUSA ROA	A041	TEMPLE CITY BOULEVARD	LOWER AZUSA ROAD	O - Other	O	2	334	20	6,680	21	7
ALLEY WEST OF BALDWIN AVENUE	A042	DUFFY STREET	ALLEY SOUTH OF LIVE OAK AVENUE	O - Other	O	2	134	20	2,680	28	17
ALLEY WEST OF EL MONTE AVENUE	A043	OLIVE STREET	DAINES DRIVE	O - Other	O	2	538	16	8,608	19	18
ALLEY WEST OF TEMPLE CITY BOUL	A044	WORKMAN AVENUE	ALLEY SOUTH OF LAS TUNAS DRIVE	O - Other	O	2	420	20	8,400	29	36
ALLEY WEST OF TEMPLE CITY BOUL	A045	ALLEY NORTH OF LAS TUNAS DRIVE	WOODRUFF AVENUE	O - Other	O	2	420	20	8,400	40	33
ALLEY WEST OF TEMPLE CITY BOUL	A046	LOWER AZUSA ROAD	ARDSLEY DRIVE	O - Other	O	2	200	20	4,000	21	19

Appendix C

Section Description Inventory
Section PCI Listing - Street Network

I. Sorted by Street Name
II. Sorted by Descending PCI

Section Description Inventory Report

This report lists a variety of section description information for each of the City's street pavement sections. It lists the section identifiers, limits, functional class, surface type, number of lanes, lengths, widths, and inspected 2018 PCI.

All of the City's vehicular street sections are included in the report. The report is sorted alphabetically by Street Name and Section ID and by descending PCIs. The field descriptions in this report are listed.

Header	Description
STREET NAME	The name of the street as indicated by street signs in the field
SECTION ID	Section identification number in StreetSaver® unique for each section of one street
BEG LOCATION	Beginning limit of the section
END LOCATION	Ending limit of the section
FC	Functional Classification (A – Arterial, C – Collector, R – Residential/Local)
SURFACE TYPE	Surface Type (O - AC/AC = AC Overlay of AC Pavement, PCC = Portland Cement Concrete Pavement)
LANES	Number of lanes of the section
LENGTH (FT)	Length of the section in feet
WIDTH (FT)	Average width of the section in feet
AREA (SF)	Area of the section in square feet
LAST M&R DATE	Date of the last treatment on the section
LAST M&R TREATMENT	Type of the last treatment on the section
2018 INSPECTED PCI	Average 2018 inspected PCI for the section.

Sorted by Street Name

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
ACASO DRIVE	001	SULTANA AVENUE	SERENO DRIVE	R	O	2	568	32	18,176			72
AGNES AVENUE	002	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,282	36	46,152			37
AGNES AVENUE	003	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,282	36	46,152			18
AGNES AVENUE	004	OLIVE STREET	LA ROSA DRIVE	C	O	2	1,462	32	46,784			20
AGNES AVENUE	005	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,540	36	55,440			31
ALESSANDRO AVENUE	006	GARIBALDI AVENUE	LAS TUNAS DRIVE	R	O	2	1,270	36	45,720			64
ALESSANDRO AVENUE	007	LAS TUNAS DRIVE	LIVE OAK AVENUE	R	O	2	1,300	36	46,800			41
ALESSANDRO AVENUE	008	LIVE OAK AVENUE	BROADWAY	C	O	2	910	32	29,120			20
ALESSANDRO AVENUE	009	OLIVE STREET	BLACKLEY STREET	C	O	2	580	28	16,240	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
ALESSANDRO AVENUE	010	BLACKLEY STREET	PENTLAND STREET	C	O	2	331	32	10,592	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
ALESSANDRO AVENUE	415	PENTLAND STREET	LA ROSA DRIVE	C	O	2	529	32	16,928	01/01/2015	SLURRY SEAL	73
ALESSANDRO AVENUE	416	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,546	32	49,472			31
ARDEN DRIVE	011	DAINES DRIVE	OLIVE STREET	C	O	2	559	36	20,124			32
ARDEN DRIVE	012	OLIVE STREET	LA ROSA DRIVE	C	O	2	1,511	36	54,396	01/01/2016	1.5" COLDMILL AND ARHM OVERLAY	91
ARDEN DRIVE	013	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,548	52	80,496	01/01/2016	1.5" COLDMILL AND ARHM OVERLAY	99
ARDENEL AVENUE	014	CDS	MILOANN STREET	R	O	2	277	30	12,531			46
ARDENEL AVENUE	015	CDS	LA ROSA DRIVE	R	O	2	136	56	7,567			24
ARDSLEY DRIVE	016	CDS	TEMPLE CITY BOULEVARD	R	O	2	1,075	30	34,372	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
ARROWOOD STREET	017	PAL MAL AVENUE	CDS	R	O	2	387	33	14,506			38
ARROWOOD STREET	018	CDS	PERSIMMON AVENUE	R	O	2	288	24	9,034			27
ARROWOOD STREET	019	CDS	DALEVIEW AVENUE	R	O	2	288	24	9,201			49
AVON AVENUE	020	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,504	30	45,120			44
AVON AVENUE	021	CDS	BURGHARDT ROAD	R	O	2	155	26	6,152			43
AVON AVENUE	022	BURGHARDT ROAD	LESLIE DRIVE	R	O	2	405	30	12,150			56
BALDWIN AVENUE	023	LIVE OAK AVENUE	190 N/O LOWER AZUSA ROAD	A	O	4	4,825	72	347,650	01/01/2017	SLURRY SEAL	96
BALDWIN AVENUE	024	190 N/O LOWER AZUSA ROAD	LOWER AZUSA ROAD	A	P	4	190	80	15,200			77
BARELA AVENUE	025	WOOLLEY STREET	CRAIGLEE STREET	R	O	2	660	28	18,480	01/01/2017	SLURRY SEAL	56
BARELA AVENUE	026	BROADWAY	NADINE STREET	R	O	2	590	34	20,060			9
BARELA AVENUE	027	OLIVE STREET	BLACKLEY STREET	R	O	2	575	30	17,250			7
BARELA AVENUE	028	BLACKLEY STREET	CAMELLIA AVENUE	R	O	2	776	30	23,280			17
BARTLETT AVENUE	029	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,065	26	27,690			43
BIDWELL STREET	030	LOMA AVENUE	ENCINITA AVENUE	R	O	2	347	32	11,104			60
BIRCHLAND PLACE	031	CDS	LOWER AZUSA ROAD	R	O	2	1,166	28	32,438			27
BISBY STREET	032	FIESTA AVENUE	TEMPLE CITY BOULEVARD	R	O	2	600	34	20,400			41
BLACKLEY STREET	033	SERENO DRIVE	CDS	R	O	2	240	22	5,280			41
BLACKLEY STREET	034	ENCINITA AVENUE	CDS	R	O	2	2,688	35	94,218	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
BLACKLEY STREET	035	TEMPLE CITY BOULEVARD	GOLDEN WEST AVENUE	R	O	2	1,112	34	37,808	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
BLACKLEY STREET	036	PARMERTON AVENUE	McCULLOCH AVENUE	R	O	2	233	26	6,058	01/01/2017	SLURRY SEAL	72
BOGUE STREET	037	CAMBURY AVENUE	BALDWIN AVENUE	R	O	2	980	28	27,440			32
BOGUE STREET	038	BALDWIN AVENUE	GLICKMAN AVENUE	R	O	2	1,248	34	44,928			41
BOGUE STREET	039	CDS	PAL MAL AVENUE	R	O	2	372	33	14,730			46
BOGUE STREET	040	CDS	EL MONTE AVENUE	R	O	2	278	26	9,072			45
BROADWAY	041	WEST CITY LIMIT	ROSEMEAD BOULEVARD	C	O	4	565	60	33,900	01/01/2017	SLURRY SEAL	96
BROADWAY	042	ROSEMEAD BOULEVARD	ENCINITA AVENUE	C	O	4	1,630	58	96,068	01/01/2017	SLURRY SEAL	90
BROADWAY	043	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	C	O	2	2,503	36	90,108	01/01/2017	SLURRY SEAL	87

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
BROADWAY	044	TEMPLE CITY BOULEVARD	GOLDEN WEST AVENUE	C	O	2	1,258	36	45,288	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
BROADWAY	045	GOLDEN WEST AVENUE	BALDWIN AVENUE	C	O	2	1,274	34	45,864	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
BURGHARDT ROAD	046	CDS	MUSCATEL AVENUE	R	O	2	454	23	16,650			33
BURTON AVENUE	047	LONGDEN AVENUE	SOUTH CITY LIMIT	C	O	2	2,878	30	86,340			46
BUTTONS AVENUE	048	OLIVE STREET	CDS	R	O	2	286	32	9,272			30
CALLITA STREET	049	501 W/O ROSEMEAD BOULEVARD	ROSEMEAD BOULEVARD	R	O	2	501	32	16,032	01/01/2017	SLURRY SEAL	53
CALLITA STREET	050	ROSEMEAD BOULEVARD	407 E/O ROSEMEAD BOULEVARD	R	O	2	407	36	14,652			45
CAMBURY AVENUE	051	LIVE OAK AVENUE	BOGUE STREET	R	O	2	580	30	17,400			43
CAMBURY AVENUE	052	NADINE STREET	OLIVE STREET	R	O	2	411	28	11,508			31
CAMELLIA AVENUE	053	CDS	GARIBALDI AVENUE	C	O	2	811	36	32,022	01/01/2017	SLURRY SEAL	75
CAMELLIA AVENUE	054	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,268	32	40,576			42
CAMELLIA AVENUE	055	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,293	32	41,376			37
CAMELLIA AVENUE	056	CDS	BLACKLEY STREET	R	O	2	384	26	12,106			13
CAMELLIA AVENUE	057	BLACKLEY STREET	LOWER AZUSA ROAD	R	O	2	2,469	26	64,194			21
CAMINO REAL	058	OAK AVENUE	TEMPLE CITY BOULEVARD	C	O	2	1,267	34	43,078	01/01/2017	SLURRY SEAL	70
CLOVERLY AVENUE	059	WENDON STREET	FLAHERTY STREET	R	O	2	320	28	8,960	01/01/2017	SLURRY SEAL	70
CLOVERLY AVENUE	060	GARIBALDI AVENUE	WOODRUFF AVENUE	R	O	2	644	36	23,184			55
CLOVERLY AVENUE	061	WOODRUFF AVENUE	LAS TUNAS DRIVE	R	O	2	617	36	22,212			7
CLOVERLY AVENUE	062	LAS TUNAS DRIVE	LIVE OAK AVENUE	R	O	2	1,291	36	46,476			22
CLOVERLY AVENUE	063	LIVE OAK AVENUE	BROADWAY	C	O	2	916	36	32,976	01/01/2017	SLURRY SEAL	73
CLOVERLY AVENUE	064	BROADWAY	OLIVE STREET	C	O	2	907	36	32,652	01/01/2015	SLURRY SEAL	69
CLOVERLY AVENUE	065	OLIVE STREET	BLACKLEY STREET	C	O	2	580	36	19,720	01/01/2015	SLURRY SEAL	35
CLOVERLY AVENUE	066	BLACKLEY STREET	LA ROSA DRIVE	C	O	2	860	34	29,240			19
CLOVERLY AVENUE	067	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,548	34	52,632			41
CLOVERLY AVENUE	068	LOWER AZUSA ROAD	GIDLEY STREET	R	O	2	448	34	15,232			51
CRAIGLEE STREET	069	TEMPLE CITY BOULEVARD	BARELA AVENUE	R	O	2	480	28	13,440	01/01/2017	SLURRY SEAL	74
CRAIGLEE STREET	070	BARELA AVENUE	EAST END	R	O	2	287	28	8,036	01/01/2017	SLURRY SEAL	78
CRAIGLEE STREET	071	CDS	GOLDEN WEST AVENUE	R	O	2	128	30	5,873			43
DAINES DRIVE	072	HILTON AVENUE	CLOVERLY AVENUE	C	O	2	1,265	36	45,540			49
DAINES DRIVE	073	CDS	TEMPLE CITY BOULEVARD	C	O	2	193	3	7,451	01/01/2017	SLURRY SEAL	70
DAINES DRIVE	074	BARELA AVENUE	CDS	C	O	2	183	52	6,514			6
DAINES DRIVE	075	GOLDEN WEST AVENUE	BALDWIN AVENUE	C	O	2	1,585	28	44,380			24
DAINES DRIVE	076	BALDWIN AVENUE	HALIFAX ROAD	C	O	2	2,571	32	82,272	01/01/2017	SLURRY SEAL	68
DAINES DRIVE	077	HALIFAX ROAD	EL MONTE AVENUE	C	O	2	1,419	32	45,408	01/01/2017	SLURRY SEAL	79
DAINES DRIVE	078	EL MONTE AVENUE	McCULLOCH AVENUE	C	O	2	988	32	31,616			45
DAINES DRIVE	079	McCULLOCH AVENUE	WELLAND AVENUE	C	O	2	557	32	17,824	01/01/2017	SLURRY SEAL	48
DAINES DRIVE	080	WELLAND AVENUE	SANTA ANITA AVENUE	C	O	2	648	32	20,736	01/01/2017	SLURRY SEAL	50
DALEVIEW AVENUE	081	FREER STREET	GRAND AVENUE	C	O	2	1,212	38	47,328	01/01/2015	SLURRY SEAL	74
DANBURY STREET	082	CDS	PAL MAL AVENUE	R	O	2	290	33	12,106			47
DANBURY STREET	083	EL MONTE AVENUE	PERSIMMON AVENUE	R	O	2	384	28	10,752			46
DANBURY STREET	084	CDS	SANTA ANITA AVENUE	R	O	2	195	24	6,412			51
DANESWOOD DRIVE	085	PARMERTON AVENUE	McCULLOCH AVENUE	R	O	2	190	30	6,956	01/01/2017	SLURRY SEAL	58
DEGAS AVENUE	086	LANDSEER STREET	GREEN STREET	R	O	2	640	30	19,200			29
DOREEN AVENUE	087	FREER STREET	LOWER AZUSA ROAD	R	O	2	2,435	34	77,920			14
DUFFY STREET	088	NOEL DRIVE	LOMA AVENUE	R	O	2	297	34	9,504			27

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
DUFFY STREET	089	CDS	BALDWIN AVENUE	R	O	2	737	3	24,232			43
EL MONTE AVENUE	090	162 S/O LIVE OAK AVENUE	FREER STREET	A	O	4	2,340	52	121,680	01/01/2016	1.5" COLDMILL AND ARHM OVERLAY	98
EL MONTE AVENUE	091	FREER STREET	266 N/O LOWER AZUSA ROAD	A	O	4	2,159	52	112,268	01/01/2016	1.5" COLDMILL AND ARHM OVERLAY	99
ELLIS LANE	092	TEMPLE CITY BOULEVARD	130 S/O LOWER AZUSA ROAD	C	O	2	1,000	36	36,000	01/01/2017	SLURRY SEAL	57
ELM AVENUE	093	MUSCATEL AVENUE	RENO AVENUE	C	O	2	712	26	18,512	01/01/2017	SLURRY SEAL	92
ELM AVENUE	094	ROSEMEAD BOULEVARD	130' E/O ROSEMEAD BOULEVARD	R	O	2	509	32	16,288			100
EMPEROR AVENUE	095	WEST CITY LIMIT	ROSEMEAD BOULEVARD	C	O	2	176	38	6,688			31
EMPEROR AVENUE	096	ROSEMEAD BOULEVARD	OAK AVENUE	C	O	2	1,693	32	54,176			51
EMPEROR AVENUE	097	OAK AVENUE	CDS	C	O	2	340	30	11,456	01/01/2017	SLURRY SEAL	96
ENCINITA AVENUE	098	LEMON AVENUE	WOOLLEY STREET	C	O	2	400	32	12,800			42
ENCINITA AVENUE	099	WOOLLEY STREET	LONGDEN AVENUE	C	O	2	815	32	26,080			46
ENCINITA AVENUE	100	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,384	36	49,824	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
ENCINITA AVENUE	101	GARIBALDI AVENUE	WOODRUFF AVENUE	C	O	2	656	36	23,616	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
ENCINITA AVENUE	102	WOODRUFF AVENUE	LAS TUNAS DRIVE	C	O	2	627	36	22,572			74
ENCINITA AVENUE	103	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,316	36	47,376			68
ENCINITA AVENUE	104	LIVE OAK AVENUE	BROADWAY	C	O	2	975	36	35,100			69
ENCINITA AVENUE	105	BROADWAY	EATON WASH	C	O	2	2,245	36	80,820			83
ENCINITA AVENUE	106	EATON WASH	SPRR (SOUTH CITY LIMIT)	C	O	2	1,467	36	52,812			75
ESTRELLA AVENUE	107	SALTER AVENUE	EAST CITY LIMIT	R	O	2	377	28	10,556	01/01/2017	SLURRY SEAL	62
FAIRHALL STREET	108	WEST CDS	PAL MAL AVENUE	R	O	2	150	24	5,572			39
FAIRHALL STREET	109	PAL MAL AVENUE	EAST CDS	R	O	2	384	24	10,954			34
FAIRVIEW AVENUE	110	PERSIMMON AVENUE	EAST END	R	O	2	150	33	4,500			30
FAIRVIEW AVENUE	111	WEST END	McCLINTOCK AVENUE	R	O	2	138	26	3,588			80
FARAGO AVENUE	112	CDS	FREER STREET	R	O	2	306	30	9,160			35
FARAGO AVENUE	113	FREER STREET	GRAND AVENUE	R	O	2	1,208	32	38,656			12
FIESTA AVENUE	114	LA ROSA DRIVE	LOWER AZUSA ROAD	R	O	2	1,548	32	49,536			41
FIESTA AVENUE	115	LOWER AZUSA ROAD	BISBY STREET	R	O	2	270	34	9,180			58
FLAHERTY STREET	116	ENCINITA AVENUE	CDS	R	O	2	314	24	9,197			44
FLAHERTY STREET	117	CLOVERLY AVENUE	PRIMROSE AVENUE	R	O	2	582	30	17,460	01/01/2015	SLURRY SEAL	65
FLAHERTY STREET	118	GOLDEN WEST AVENUE	ROWLAND AVENUE	R	O	2	930	28	26,040	01/01/2017	SLURRY SEAL	71
FORTSON DRIVE	119	LOMA AVENUE	ENCINITA AVENUE	R	O	2	444	30	13,320			34
FRATUS DRIVE	120	OLIVE STREET	BLACKLEY STREET	R	O	2	577	32	18,464			34
FRATUS DRIVE	121	PENTLAND STREET	RIO HONDO AVENUE	R	O	2	2,066	28	57,848	01/01/2015	SLURRY SEAL	53
FREER STREET	122	CDS	ARDEN DRIVE	R	O	2	188	23	9,033			37
FREER STREET	123	ARDEN DRIVE	HALIFAX ROAD	C	O	2	647	32	20,704	01/01/2017	SLURRY SEAL	90
FREER STREET	124	HALIFAX ROAD	EL MONTE AVENUE	C	O	2	1,410	32	45,120	01/01/2017	SLURRY SEAL	78
FREER STREET	125	EL MONTE AVENUE	ARCADIA WASH	C	O	2	564	32	18,048	01/01/2017	SLURRY SEAL	77
FREER STREET	126	ARCADIA WASH	SANTA ANITA AVENUE	C	O	2	1,656	32	52,992	01/01/2017	SLURRY SEAL	76
GARIBALDI AVENUE	127	BURTON AVENUE	MUSCATEL AVENUE	C	O	2	1,187	36	42,732			42
GARIBALDI AVENUE	128	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	C	O	2	1,043	36	37,548			40
GARIBALDI AVENUE	129	ROSEMEAD BOULEVARD	ENCINITA AVENUE	C	O	2	1,618	36	58,248			32
GARIBALDI AVENUE	130	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	C	O	2	1,921	34	69,156			36
GARIBALDI AVENUE	131	TEMPLE CITY BOULEVARD	EAST CITY LIMIT	C	O	2	2,170	34	78,120			53
GIDLEY STREET	132	470 W/O CLOVERLY AVENUE	555 E/O CLOVERLY AVENUE	C	O	2	1,025	32	32,800			28
GIDLEY STREET	133	555 E/O CLOVERLY AVENUE	TEMPLE CITY BOULEVARD	C	O	2	570	32	18,240			11

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
GLICKMAN AVENUE	134	LIVE OAK AVENUE	BOGUE STREET	C	O	2	542	32	17,344			43
GLICKMAN AVENUE	135	OLIVE STREET	GREEN STREET	C	O	2	916	36	32,976			30
GLICKMAN AVENUE	136	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,537	32	49,184			48
GOLDEN WEST AVENUE	137	LEMON AVENUE	LONGDEN AVENUE	C	O	2	1,281	36	46,116	01/01/2016	SLURRY SEAL	76
GOLDEN WEST AVENUE	138	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,281	36	46,116	01/01/2016	SLURRY SEAL	60
GOLDEN WEST AVENUE	139	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,274	32	40,768	01/01/2016	SLURRY SEAL	43
GOLDEN WEST AVENUE	140	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,274	36	45,864			33
GOLDEN WEST AVENUE	141	LIVE OAK AVENUE	DAINES DRIVE	C	O	2	1,176	32	37,632			31
GOLDEN WEST AVENUE	142	DAINES DRIVE	OLIVE STREET	C	O	2	722	36	25,992			21
GOLDEN WEST AVENUE	143	OLIVE STREET	LA ROSA DRIVE	C	O	2	1,453	36	52,308			9
GOLDEN WEST AVENUE	144	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,582	36	56,952			34
GRACEWOOD AVENUE	145	LIVE OAK AVENUE	885 NORTH OF DAINES DRIVE	R	O	2	523	30	15,690	01/01/2017	SLURRY SEAL	93
GRACEWOOD AVENUE	146	885 NORTH OF DAINES DRIVE	DAINES DRIVE	R	O	2	885	36	31,860			46
GRAND AVENUE	147	EL MONTE AVENUE	SANTA ANITA AVENUE	C	O	2	2,240	32	71,680			19
GREEN STREET	148	BALDWIN AVENUE	CDS	R	O	2	1,783	33	59,178	01/01/2017	SLURRY SEAL	80
HALDEMAN STREET	149	BURTON AVENUE	CDS	R	O	2	238	32	7,358			70
HALIFAX ROAD	150	LIVE OAK AVENUE	OLIVE STREET	C	O	2	1,900	36	68,400			46
HALIFAX ROAD	151	OLIVE STREET	FREER STREET	C	O	2	568	36	20,448			21
HALIFAX ROAD	152	FREER STREET	LOWER AZUSA ROAD	C	O	2	2,436	32	82,824			17
HALLOWELL AVENUE	153	LIVE OAK AVENUE	DAINES DRIVE	R	O	2	1,310	36	47,160			18
HALLOWELL AVENUE	154	FREER STREET	MILOANN STREET	R	O	2	564	34	19,176			46
HALLOWELL AVENUE	155	CDS	LOWER AZUSA ROAD	R	O	2	951	35	32,903			34
HALLWOOD DRIVE	156	GOLDEN WEST AVENUE	AGNES AVENUE	R	O	2	626	28	17,528			29
HALLWOOD DRIVE	157	RYLAND AVENUE	BIRCHLAND PLACE	R	O	2	238	30	7,140			38
HALLWOOD DRIVE	158	WEST CDS	PAL MAL AVENUE	R	O	2	150	24	5,572			37
HALLWOOD DRIVE	159	PAL MAL AVENUE	EAST CDS	R	O	2	408	24	11,506			37
HARKER AVENUE	160	CDS	BROADWAY	R	O	2	608	35	21,578			37
HART AVENUE	161	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,502	30	45,060			51
HART AVENUE	162	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,062	30	31,860			38
HART AVENUE	163	HERMOSA DRIVE	LAS TUNAS DRIVE	C	O	2	502	26	13,052	01/01/2017	SLURRY SEAL	56
HECLA STREET	164	HILTON AVENUE	CDS	R	O	2	104	46	4,826	01/01/2017	SLURRY SEAL	40
HELEO AVENUE	165	LIVE OAK AVENUE	CDS	C	O	2	509	22	11,198			40
HELEO AVENUE	166	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,548	32	49,536			34
HERMOSA DRIVE	167	BURTON AVENUE	MUSCATEL AVENUE	C	O	2	1,183	36	42,588	01/01/2017	SLURRY SEAL	67
HERMOSA DRIVE	168	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	C	O	2	1,042	40	41,680	01/01/2017	SLURRY SEAL	69
HERMOSA DRIVE	169	ROSEMEAD BOULEVARD	SULTANA AVENUE	C	O	2	500	36	18,000	01/01/2017	SLURRY SEAL	94
HERMOSA DRIVE	170	SULTANA AVENUE	ENCINITA AVENUE	C	O	2	1,086	36	39,096	01/01/2017	SLURRY SEAL	96
HILTON AVENUE	171	CDS	BROADWAY	R	O	2	228	33	9,418			37
HILTON AVENUE	172	CDS	OLIVE STREET	R	O	2	658	39	25,810	01/01/2017	SLURRY SEAL	78
HOWLAND DRIVE	173	GOLDEN WEST AVENUE	AGNES AVENUE	C	O	2	639	38	20,448			37
HOWLAND DRIVE	174	AGNES AVENUE	BALDWIN AVENUE	C	O	2	730	32	23,360			21
IVAR AVENUE	175	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,500	30	45,000			35
IVAR AVENUE	176	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,062	30	31,860			43
JAYLEE DRIVE	177	LOMA AVENUE	CDS	R	O	2	450	30	15,622	01/01/2017	SLURRY SEAL	54
KAUFFMAN AVENUE	178	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,278	32	40,896			61

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
KAUFFMAN AVENUE	179	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,278	36	46,008			15
KAUFFMAN AVENUE	180	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,278	36	46,008			11
KAUFFMAN AVENUE	181	BLACKLEY STREET	LOWER AZUSA ROAD	C	O	2	2,446	26	63,596			44
KENNERLY STREET	182	FRATUS DRIVE	CDS	R	O	2	360	28	12,202			40
KENNERLY STREET	183	ALESSANDRO AVENUE	CLOVERLY AVENUE	R	O	2	715	28	20,020			32
KENNERLY STREET	184	CLOVERLY AVENUE	CDS	R	O	2	815	28	24,942			43
KEY WEST STREET	185	FRATUS DRIVE	RIO RONDO AVENUE	R	O	2	438	28	12,264			41
KEY WEST STREET	186	GOLDEN WEST AVENUE	AGNES AVENUE	R	O	2	626	28	17,528			23
KEY WEST STREET	187	CDS	HALIFAX ROAD	R	O	2	662	34	24,399			31
KEY WEST STREET	188	HALIFAX ROAD	DOREEN AVENUE	R	O	2	414	34	14,076			5
KEY WEST STREET	189	DOREEN AVENUE	EL MONTE AVENUE	R	O	2	923	35	31,382			13
LA ROSA DRIVE	190	WEST END	ENCINITA AVENUE	R	O	2	335	54	18,090			53
LA ROSA DRIVE	191	FRATUS DRIVE	ALESSANDRO AVENUE	C	O	2	926	32	29,632	01/01/2015	SLURRY SEAL	54
LA ROSA DRIVE	192	ALESSANDRO AVENUE	FIESTA AVENUE	C	O	2	1,099	32	35,168	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	193	FIESTA AVENUE	TEMPLE CITY BOULEVARD	C	O	2	521	32	16,672	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	194	TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	C	O	2	364	32	11,648	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	195	CAMELLIA AVENUE	KAUFFMAN AVENUE	C	O	2	342	32	10,944	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	196	KAUFFMAN AVENUE	GOLDEN WEST AVENUE	C	O	2	340	32	10,880	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	197	GOLDEN WEST AVENUE	BALDWIN AVENUE	C	O	2	1,396	32	44,672	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	198	BALDWIN AVENUE	RYLAND AVENUE	R	O	2	636	36	22,896	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	199	RYLAND AVENUE	GLICKMAN AVENUE	R	O	2	659	36	23,724	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	200	GLICKMAN AVENUE	ARDEN DRIVE	R	O	2	599	36	21,564	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	201	ARDEN DRIVE	KEY WEST STREET	R	O	2	802	32	25,664			27
LA ROSA DRIVE	202	CDS	PERSIMMON AVENUE	R	O	2	288	31	9,034			33
LANDSEER STREET	203	CDS	GLICKMAN AVENUE	R	O	2	385	3	13,672			40
LAS TUNAS DRIVE	204	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	A	O	6	1,045	101	105,050			67
LAS TUNAS DRIVE	205	ROSEMEAD BOULEVARD	SULTANA AVENUE	A	O	6	585	100	58,710			67
LAS TUNAS DRIVE	206	SULTANA AVENUE	ENCINITA AVENUE	A	O	4	1,216	58	70,528			44
LAS TUNAS DRIVE	207	ENCINITA AVENUE	190 W/O TEMPLE CITY BOULEVARD	A	O	4	2,015	66	132,990			53
LAS TUNAS DRIVE	208	190 W/O TEMPLE CITY BOULEVARD	190 E/O TEMPLE CITY BOULEVARD	A	P	4	380	66	25,080			88
LAS TUNAS DRIVE	209	190 E/O TEMPLE CITY BOULEVARD	EAST CITY LIMIT	A	O	4	2,213	66	146,058			51
LEMON AVENUE	210	NCL	LONGDEN AVENUE	R	O	2	135	26	3,510			60
LEMON AVENUE	211	ENCINITA AVENUE	OAK AVENUE	C	O	2	252	32	8,064			45
LEMON AVENUE	212	OAK AVENUE	TEMPLE CITY BOULEVARD	C	O	2	1,265	36	40,480	01/01/2015	SLURRY SEAL	56
LEMON AVENUE	213	TEMPLE CITY BOULEVARD	EAST CITY LIMIT	C	O	2	1,944	32	62,208	01/01/2016	SLURRY SEAL	69
LESLIE DRIVE	214	AVON AVENUE	MUSCATEL AVENUE	R	O	2	238	30	7,140			34
LIVE OAK AVENUE	215	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	A	O	2	2,340	34	79,560	01/01/2017	SLURRY SEAL	70
LIVE OAK AVENUE	216	TEMPLE CITY BOULEVARD	BALDWIN AVENUE	A	O	2	2,582	34	87,788	01/01/2017	SLURRY SEAL	51
LIVE OAK AVENUE	217	BALDWIN AVENUE	760 E/O BALDWIN AVENUE	A	O	2	760	52	39,520	01/01/2017	SLURRY SEAL	94
LIVE OAK AVENUE	218	760 E/O BALDWIN AVENUE	GLICKMAN AVENUE	A	O	2	480	36	17,280	01/01/2017	SLURRY SEAL	91
LIVE OAK AVENUE	219	GLICKMAN AVENUE	EAST CITY LIMIT	A	O	2	2,586	36	93,096	01/01/2017	SLURRY SEAL	86
LIVIA AVENUE	220	EMPEROR AVENUE	WOOLLEY STREET	C	O	2	853	36	30,708			54
LIVIA AVENUE	221	WOOLLEY STREET	LONGDEN AVENUE	C	O	2	480	36	17,280			62
LOMA AVENUE	222	EMPEROR AVENUE	WOOLLEY STREET	R	O	2	838	30	25,140	01/01/2017	SLURRY SEAL	59
LOMA AVENUE	223	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,503	30	45,090			37

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
LOMA AVENUE	224	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,066	30	31,980			40
LOMA AVENUE	225	HERMOSA DRIVE	LAS TUNAS DRIVE	C	O	2	292	26	7,592			45
LOMA AVENUE	226	LAS TUNAS DRIVE	DUFFY STREET	R	O	2	1,442	32	46,144			41
LOMA AVENUE	227	CDS	BROADWAY	C	O	2	1,484	32	47,488			52
LONGDEN AVENUE	228	BURTON AVENUE	MUSCATEL AVENUE	C	O	2	1,252	32	40,064	01/01/2016	SLURRY SEAL	81
LONGDEN AVENUE	229	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	C	O	2	1,083	36	38,988	01/01/2016	SLURRY SEAL	71
LONGDEN AVENUE	230	ROSEMEAD BOULEVARD	OAK AVENUE	C	O	2	2,124	36	76,464	01/01/2015	SLURRY SEAL	51
LONGDEN AVENUE	231	OAK AVENUE	TEMPLE CITY BOULEVARD	C	O	2	1,320	32	47,520	01/01/2015	SLURRY SEAL	48
LONGDEN AVENUE	232	TEMPLE CITY BOULEVARD	EAST CITY LIMIT	C	O	2	1,954	36	70,344	01/01/2016	SLURRY SEAL	48
LORA STREET	233	PAL MAL AVENUE	CDS	R	O	2	385	33	15,982			46
LORA STREET	234	CDS	PERSIMMON AVENUE	R	O	2	304	24	8,552			30
LOWER AZUSA ROAD	235	WEST CITY LIMIT	190 W/O TEMPLE CITY BOULEVARD	A	O	4	2,510	60	150,600			58
LOWER AZUSA ROAD	236	190 W/O TEMPLE CITY BOULEVARD	190 E/O TEMPLE CITY BOULEVARD	A	P	4	380	60	22,800			92
LOWER AZUSA ROAD	237	190 E/O TEMPLE CITY BOULEVARD	190 W/O BALDWIN AVENUE	A	O	4	2,228	59	131,080			56
LOWER AZUSA ROAD	238	190 W/O BALDWIN AVENUE	190 E/O BALDWIN AVENUE	A	P	4	380	60	22,800			77
LOWER AZUSA ROAD	239	190 E/O BALDWIN AVENUE	EAST CITY LIMIT	A	O	4	3,700	60	222,000			60
LYNROSE STREET	240	ROBINHOOD AVENUE	GLICKMAN AVENUE	R	O	2	988	30	27,664			43
LYNROSE STREET	241	CDS	PAL MAL AVENUE	R	O	2	467	23	13,100			43
LYNROSE STREET	242	CDS	McCULLOCH AVENUE	R	O	2	330	42	10,042			27
McCLINTOCK AVENUE	243	FREER STREET	GRAND AVENUE	R	O	2	1,217	30	36,510			54
McCLINTOCK AVENUE	244	GRAND AVENUE	FAIRVIEW AVENUE	R	O	2	780	26	20,280	01/01/2017	SLURRY SEAL	76
McCULLOCH AVENUE	245	LIVE OAK AVENUE	DAINES DRIVE	C	O	2	1,315	32	42,080			15
McCULLOCH AVENUE	246	DAINES DRIVE	FREER STREET	C	O	2	1,195	32	38,240			38
MILLER DRIVE	247	LOWER AZUSA ROAD	SOUTH END	R	O	2	143	36	5,148	01/01/2017	SLURRY SEAL	70
MILOANN STREET	248	GOLDEN WEST AVENUE	AGNES AVENUE	C	O	2	634	34	25,360			41
MILOANN STREET	249	AGNES AVENUE	BALDWIN AVENUE	C	O	2	753	33	27,108			45
MILOANN STREET	250	HALLOWELL AVENUE	HALIFAX ROAD	R	O	2	350	34	11,900			23
MILOANN STREET	251	CDS	PERSIMMON AVENUE	R	O	2	288	24	9,034			25
MUSCATEL AVENUE	252	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,500	36	54,000			35
MUSCATEL AVENUE	253	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	2,090	36	75,240			50
MUSCATEL AVENUE	254	LAS TUNAS DRIVE	SOUTH CITY LIMIT	C	O	2	200	36	7,200			58
MYDA AVENUE	255	HERMOSA DRIVE	CDS	R	O	2	414	27	12,726			50
NADINE STREET	256	CDS	TEMPLE CITY BOULEVARD	R	O	2	531	27	15,928	01/01/2017	SLURRY SEAL	53
NADINE STREET	257	WEST CDS	EAST CDS	R	O	2	538	24	17,156			21
NADINE STREET	258	GOLDEN WEST AVENUE	CDS	R	O	2	1,049	28	29,396			38
NADINE STREET	259	DAINES DRIVE	ARDEN DRIVE	R	O	2	1,291	30	38,730			24
NOEL DRIVE	260	NORTH END	BROADWAY	R	O	2	1,848	36	62,832	01/01/2017	SLURRY SEAL	66
NOEL DRIVE	261	OLIVE STREET	CDS	R	O	2	378	33	14,218			46
OAK AVENUE	262	CAMINO REAL	LONGDEN AVENUE	C	O	2	2,651	36	95,436	01/01/2015	SLURRY SEAL	58
OAK AVENUE	263	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,289	36	46,404	01/01/2017	SLURRY SEAL	65
OAK AVENUE	264	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,274	36	45,864			19
OAK AVENUE	265	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,295	36	46,620			30
OLEMA STREET	266	LIVIA AVENUE	ENCINITA AVENUE	R	O	2	715	36	25,740			45
OLEMA STREET	267	OAK AVENUE	486 EAST OAK AVENUE	R	O	2	486	29	13,608			43
OLEMA STREET	268	486 EAST OAK AVENUE	TRELAWNEY AVENUE	R	O	2	858	3	28,566			46

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
OLIVE STREET	269	ROSEMEAD BOULEVARD	SULTANA AVENUE	C	O	2	580	36	20,880	01/01/2016	SLURRY SEAL	88
OLIVE STREET	270	SULTANA AVENUE	LOMA AVENUE	C	O	2	710	36	25,560	01/01/2016	SLURRY SEAL	88
OLIVE STREET	271	LOMA AVENUE	ENCINITA AVENUE	C	O	2	343	36	12,348	01/01/2016	SLURRY SEAL	80
OLIVE STREET	272	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	C	O	2	2,654	36	95,544	01/01/2016	SLURRY SEAL	83
OLIVE STREET	273	TEMPLE CITY BOULEVARD	BALDWIN AVENUE	C	O	2	2,575	36	92,700	01/01/2016	SLURRY SEAL	79
OLIVE STREET	274	BALDWIN AVENUE	ARDEN DRIVE	C	O	2	1,907	36	68,652	01/01/2016	SLURRY SEAL	84
OLIVE STREET	275	ARDEN DRIVE	EL MONTE AVENUE	C	O	2	2,143	36	77,148	01/01/2016	SLURRY SEAL	81
PAL MALL AVENUE	276	LIVE OAK AVENUE	DAINES DRIVE	C	O	2	1,319	32	42,208			64
PAL MALL AVENUE	277	DAINES DRIVE	OLIVE STREET	C	O	2	557	33	20,052			31
PAL MALL AVENUE	278	OLIVE STREET	FREER STREET	C	O	2	1,040	73	41,600			31
PAL MALL AVENUE	279	FREER STREET	KEY WEST STREET	C	O	2	1,214	32	38,848			22
PAL MALL AVENUE	280	KEY WEST STREET	LOWER AZUSA ROAD	C	O	2	1,196	32	38,272			53
PARMERTON AVENUE	281	DANESWOOD DRIVE	DAINES DRIVE	R	O	2	487	30	14,610	01/01/2017	SLURRY SEAL	65
PARMERTON AVENUE	282	DAINES DRIVE	BLACKLEY STREET	R	O	2	912	26	23,712	01/01/2017	SLURRY SEAL	77
PENTLAND STREET	283	ROSEMEAD BOULEVARD	SULTANA AVENUE	R	O	2	397	31	12,307			53
PENTLAND STREET	284	ENCINITA AVENUE	ALESSANDRO AVENUE	R	O	2	1,126	34	38,284	01/01/2015	SLURRY SEAL	76
PENTLAND STREET	285	ALESSANDRO AVENUE	CLOVERLY AVENUE	R	O	2	734	28	20,552			34
PENTLAND STREET	286	CLOVERLY AVENUE	CDS	R	O	2	813	28	22,764			19
PERSIMMON AVENUE	287	NORTH CITY LIMIT	DAINES DRIVE	C	O	2	1,147	28	34,410	01/01/2017	SLURRY SEAL	82
PERSIMMON AVENUE	288	DAINES DRIVE	FREER STREET	C	O	2	1,162	23	34,860			38
PERSIMMON AVENUE	289	FREER STREET	GRAND AVENUE	C	O	2	1,212	34	38,784			34
PERSIMMON AVENUE	290	GRAND AVENUE	SOUTH CITY LIMIT	C	O	2	1,018	32	32,576			11
PRIMROSE AVENUE	291	CDS	LONGDEN AVENUE	R	O	2	224	28	7,946			58
PRIMROSE AVENUE	292	LONGDEN AVENUE	FLAHERTY STREET	C	O	2	882	28	24,696	01/01/2015	SLURRY SEAL	70
PRIMROSE AVENUE	293	FLAHERTY STREET	GARIBALDI AVENUE	C	O	2	426	32	13,632	01/01/2015	SLURRY SEAL	62
PRIMROSE AVENUE	294	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,286	36	46,296			47
PRIMROSE AVENUE	295	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,286	36	46,296			30
RANCHO REAL ROAD	296	ROSEMEAD BOULEVARD	SULTANA AVENUE	R	O	2	500	36	18,000			45
RANCHO REAL ROAD	297	SULTANA AVENUE	LOMA AVENUE	R	O	2	707	36	25,452			48
RANDWICK DRIVE	298	CDS	DEGAS AVENUE	R	O	2	463	32	18,031			28
RANDWICK DRIVE	299	GLICKMAN AVENUE	CDS	R	O	2	476	26	15,591			36
RENO AVENUE	300	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,494	26	38,844	01/01/2017	SLURRY SEAL	95
RENO AVENUE	301	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,064	26	27,664	01/01/2017	SLURRY SEAL	94
RENO AVENUE	302	HERMOSA DRIVE	ELM AVENUE	C	O	2	482	26	12,532	01/01/2017	SLURRY SEAL	96
RIO HONDO AVENUE	303	WORKMAN AVENUE	LIVE OAK AVENUE	R	O	2	656	36	23,616			34
RIO HONDO AVENUE	304	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,547	34	52,598			34
ROBINHOOD AVENUE	305	LYNROSE STREET	BOGUE STREET	R	O	2	281	3	7,868			43
ROBINHOOD AVENUE	306	BOGUE STREET	DAINES DRIVE	R	O	2	770	30	21,560			44
ROBINHOOD AVENUE	307	CDS	OLIVE STREET	R	O	2	319	24	9,778			25
ROBINHOOD AVENUE	308	CDS	RYLAND AVENUE	R	O	2	1,066	30	34,102			37
ROCCUS LANE	309	BURTON AVENUE	CDS	R	O	2	208	26	7,530			48
ROSEGLEN STREET	310	ENCINITA AVENUE	CDS	R	O	2	327	22	9,316			27
ROSEGLEN STREET	311	WEST CDS	PAL MAL AVENUE	R	O	2	150	24	5,572			37
ROSEGLEN STREET	312	PAL MAL AVENUE	EAST CDS	R	O	2	408	24	11,506			34
ROSEMEAD BOULEVARD FRONTAGE	313	PENTLAND STREET	S END	R	O	2	887	23	20,401			14

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
ROSEMEAD BOULEVARD NB	314	CALLITA STREET	ARDENDALE	A	O	2	711	38	27,018	01/01/2015	4" COLDMILL AND OVERLAY	85
ROSEMEAD BOULEVARD NB	315	EMPEROR AVENUE	CALLITA STREET	A	O	2	416	28	11,648	01/01/2015	4" COLDMILL AND OVERLAY	95
ROSEMEAD BOULEVARD NB	316	LONGDEN AVENUE	EMPEROR AVENUE	A	O	2	1,234	30	37,020	01/01/2015	4" COLDMILL AND OVERLAY	95
ROSEMEAD BOULEVARD NB	317	GARIBALDI AVENUE	LONGDEN AVENUE	A	O	2	1,538	30	46,140	01/01/2015	4" COLDMILL AND OVERLAY	88
ROSEMEAD BOULEVARD NB	318	HERMOSA DRIVE	GARIBALDI AVENUE	A	O	2	1,096	30	32,880	01/01/2015	4" COLDMILL AND OVERLAY	84
ROSEMEAD BOULEVARD NB	319	ELM AVENUE	HERMOSA DRIVE	A	O	2	492	34	16,728	01/01/2015	4" COLDMILL AND OVERLAY	80
ROSEMEAD BOULEVARD NB	320	LAS TUNAS DRIVE	ELM AVENUE	A	O	2	464	30	13,920	01/01/2015	4" COLDMILL AND OVERLAY	79
ROSEMEAD BOULEVARD NB	321	BROADWAY	LAS TUNAS DRIVE	A	O	2	1,635	30	49,050	01/01/2015	4" COLDMILL AND OVERLAY	87
ROSEMEAD BOULEVARD NB	322	RANCHO REAL ROAD	BROADWAY	A	O	2	403	35	14,105	01/01/2015	4" COLDMILL AND OVERLAY	80
ROSEMEAD BOULEVARD NB	323	OLIVE STREET	RANCHO REAL ROAD	A	O	2	198	34	6,732	01/01/2015	4" COLDMILL AND OVERLAY	80
ROSEMEAD BOULEVARD NB	324	SERENO DRIVE	OLIVE STREET	A	O	2	653	28	18,284	01/01/2015	4" COLDMILL AND OVERLAY	89
ROSEMEAD BOULEVARD NB	325	PENTLAND STREET	SERENO DRIVE	A	O	2	792	32	25,344	01/01/2015	4" COLDMILL AND OVERLAY	86
ROSEMEAD BOULEVARD NB	326	END OF AC PAVEMENT	PENTLAND STREET	A	O	2	108	30	3,240	01/01/2015	4" COLDMILL AND OVERLAY	84
ROSEMEAD BOULEVARD NB	327	SCL (RR CROSSING)	END OF PCC PAVEMENT	A	P	2	969	26	25,194			81
ROSEMEAD BOULEVARD SB	328	NORTH CITY LIMIT	CALLITA STREET	A	O	2	170	38	6,460	01/01/2015	4" COLDMILL AND OVERLAY	81
ROSEMEAD BOULEVARD SB	329	CALLITA STREET	EMPEROR AVENUE	A	O	2	429	28	12,012	01/01/2015	4" COLDMILL AND OVERLAY	92
ROSEMEAD BOULEVARD SB	330	EMPEROR AVENUE	LONGDEN AVENUE	A	O	2	1,228	32	39,296	01/01/2015	4" COLDMILL AND OVERLAY	85
ROSEMEAD BOULEVARD SB	331	LONGDEN AVENUE	GARIBALDI AVENUE	A	O	2	1,538	30	46,140	01/01/2015	4" COLDMILL AND OVERLAY	83
ROSEMEAD BOULEVARD SB	332	GARIBALDI AVENUE	HERMOSA DRIVE	A	O	2	1,096	30	32,880	01/01/2015	4" COLDMILL AND OVERLAY	86
ROSEMEAD BOULEVARD SB	333	HERMOSA DRIVE	ELM AVENUE	A	O	2	489	34	16,626	01/01/2015	4" COLDMILL AND OVERLAY	86
ROSEMEAD BOULEVARD SB	334	ELM AVENUE	LAS TUNAS DRIVE	A	O	2	473	40	18,920	01/01/2015	4" COLDMILL AND OVERLAY	91
ROSEMEAD BOULEVARD SB	335	LAS TUNAS DRIVE	BROADWAY	A	O	2	1,627	28	45,556	01/01/2015	4" COLDMILL AND OVERLAY	85
ROSEMEAD BOULEVARD SB	336	BROADWAY	RANCHO REAL ROAD	A	O	2	403	35	14,105	01/01/2015	4" COLDMILL AND OVERLAY	78
ROSEMEAD BOULEVARD SB	337	RANCHO REAL ROAD	OLIVE STREET	A	O	2	198	32	6,336	01/01/2015	4" COLDMILL AND OVERLAY	76
ROSEMEAD BOULEVARD SB	338	OLIVE STREET	SERENO DRIVE	A	O	2	653	28	18,284	01/01/2015	4" COLDMILL AND OVERLAY	78
ROSEMEAD BOULEVARD SB	339	SERENO DRIVE	PENTLAND STREET	A	O	2	792	28	22,176	01/01/2015	4" COLDMILL AND OVERLAY	89
ROSEMEAD BOULEVARD SB	340	PENTLAND STREET	END OF AC PAVEMENT	A	O	2	108	30	3,240	01/01/2015	4" COLDMILL AND OVERLAY	78
ROSEMEAD BOULEVARD SB	341	END OF PCC PAVEMENT	SCL (RR CROSSING)	A	P	2	969	24	23,256			86
ROSEVALE DRIVE	342	CDS	LA ROSA DRIVE	R	O	2	159	32	7,210			32
ROWLAND AVENUE	343	WENDON AVENUE	FLAHERTY STREET	R	O	2	368	30	10,304	01/01/2017	SLURRY SEAL	62
ROWLAND AVENUE	344	CDS	GARIBALDI AVENUE	C	O	2	296	32	11,761			51
ROWLAND AVENUE	345	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,275	36	45,900			43
ROWLAND AVENUE	346	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,275	36	45,900			39
RYLAND AVENUE	347	BOGUE STREET	DAINES DRIVE	R	O	2	785	30	23,550			30
RYLAND AVENUE	348	LA ROSA DRIVE	LOWER AZUSA ROAD	R	O	2	1,542	36	55,512			48
SAINT JAMES DRIVE	349	CDS	GARIBALDI AVENUE	R	O	2	173	30	8,553			68
SALTER AVENUE	350	ESTRELLA AVENUE	LONGDEN AVENUE	R	O	2	466	22	10,252	01/01/2017	SLURRY SEAL	54
SANTA ANITA AVENUE	351	LIVE OAK AVENUE	GRAND AVENUE	A	O	4	3,905	67	260,772			39
SERENO DRIVE	352	ROSEMEAD BOULEVARD	ENCINITA AVENUE	C	O	2	3,165	36	113,940			35
SPARKLETT STREET	353	FRATUS DRIVE	RIO HONDO AVENUE	R	O	2	386	28	10,808			41
SPARKLETT STREET	354	RIO HONDO AVENUE	ALESSANDRO AVENUE	R	O	2	244	28	6,832			36
SPARKLETT STREET	355	ARDSLEY DRIVE	TEMPLE CITY BOULEVARD	R	O	2	245	28	6,860	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
SPARKLETT STREET	356	TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	R	O	2	367	28	10,276	01/01/2017	SLURRY SEAL	68
SPARKLETT STREET	357	CAMELLIA AVENUE	KAUFFMAN AVENUE	R	O	2	345	28	9,660	01/01/2017	SLURRY SEAL	55
SPARKLETT STREET	358	WEST CDS	PAL MAL AVENUE	R	O	2	150	24	5,572			36

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
SPARKLETT STREET	359	PAL MAL AVENUE	EAST CDS	R	O	2	408	25	11,506			32
SULTANA AVENUE	360	EMPEROR AVENUE	LONGDEN AVENUE	C	O	2	1,258	33	41,514			43
SULTANA AVENUE	361	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,563	30	46,890			45
SULTANA AVENUE	362	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,138	30	34,140			44
SULTANA AVENUE	363	HERMOSA DRIVE	LAS TUNAS DRIVE	C	O	2	658	26	17,108	01/01/2017	SLURRY SEAL	55
SULTANA AVENUE	364	LAS TUNAS DRIVE	BROADWAY	C	O	2	1,840	36	66,240			58
SULTANA AVENUE	365	BROADWAY	SOUTH END	C	O	2	1,040	30	31,200			30
SULTANA AVENUE	366	ACASO DRIVE	SERENO DRIVE	C	O	2	1,328	32	42,496			44
TEMPLE CITY BOULEVARD	367	CAMINO REAL AVENUE	GARIBALDI AVENUE	A	O	4	3,965	60	237,900	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
TEMPLE CITY BOULEVARD	368	GARIBALDI AVENUE	200 N/O LAS TUNAS DRIVE	A	O	4	1,026	60	61,560	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
TEMPLE CITY BOULEVARD	369	200 N/O LAS TUNAS DRIVE	200 S/O LAS TUNAS DRIVE	A	P	4	400	60	24,000			90
TEMPLE CITY BOULEVARD	370	200 S/O LAS TUNAS DRIVE	OLIVE STREET	A	O	4	3,042	54	164,800	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
TEMPLE CITY BOULEVARD	371	OLIVE STREET	143 N/O LOWER AZUSA ROAD	A	O	4	2,910	46	133,860	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
TEMPLE CITY BOULEVARD	372	143 N/O LOWER AZUSA ROAD	143 S/O LOWER AZUSA ROAD	A	P	4	286	60	13,156			88
TEMPLE CITY BOULEVARD	373	143 S/O LOWER AZUSA ROAD	SOUTH CITY LIMIT	A	O	4	1,377	52	71,604	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
TREE ROSE TERRACE	374	HERMOSA DRIVE	CDS	R	O	2	112	30	6,186			41
TRELAWNEY AVENUE	375	LEMON AVENUE	SOUTH END	R	O	2	878	36	33,730			67
VAL STREET	376	TEMPLE CITY BOULEVARD	BARELA AVENUE	C	O	2	483	28	13,524	01/01/2017	SLURRY SEAL	79
VAL STREET	377	BARELA AVENUE	GOLDEN WEST AVENUE	C	O	2	758	28	21,224	01/01/2017	SLURRY SEAL	70
VAL STREET	378	GOLDEN WEST AVENUE	EAST CITY LIMIT	C	O	2	669	28	18,732	01/01/2017	SLURRY SEAL	57
WEDGEWOOD STREET	379	ENCINITA AVENUE	ALESSANDRO AVENUE	R	O	2	700	32	22,400			42
WEDGEWOOD STREET	380	CLOVERLY AVENUE	CDS	R	O	2	624	34	23,338			46
WEDGEWOOD STREET	381	CDS	GOLDEN WEST AVENUE	R	O	2	743	34	27,384			41
WELLAND AVENUE	382	CITY LIMIT	DAINES DRIVE	C	O	2	1,002	34	34,068			31
WELLAND AVENUE	383	DAINES DRIVE	FREER STREET	C	O	2	1,202	34	40,868			31
WENDON STREET	384	CDS	AVON AVENUE	R	O	2	441	22	11,824			46
WENDON STREET	385	CLOVERLY AVENUE	PRIMROSE AVENUE	R	O	2	566	30	16,980	01/01/2015	SLURRY SEAL	54
WENDON STREET	386	GOLDEN WEST AVENUE	ROWLAND AVENUE	R	O	2	935	34	26,180	01/01/2017	SLURRY SEAL	70
WILDFLOWER ROAD	387	WELLAND AVENUE	CDS	R	O	2	358	24	11,430			42
WILLMONTE AVENUE	388	DUFFY STREET	BOGUE STREET	R	O	2	262	30	6,812			55
WILLMONTE AVENUE	389	CDS	MILOANN STREET	R	O	2	292	26	9,253			22
WILLMONTE AVENUE	390	CDS	LOWER AZUSA ROAD	R	O	2	1,190	26	33,062			31
WOODRUFF AVENUE	391	ENCINITA AVENUE	OAK AVENUE	C	O	2	735	36	26,460			21
WOODRUFF AVENUE	392	OAK AVENUE	TEMPLE CITY BOULEVARD	C	O	2	1,255	36	45,180			39
WOODRUFF AVENUE	393	TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	C	O	2	396	36	14,256			34
WOODRUFF AVENUE	394	CAMELLIA AVENUE	KAUFFMAN AVENUE	C	O	2	389	36	14,004			24
WOODRUFF AVENUE	395	KAUFFMAN AVENUE	GOLDEN WEST AVENUE	C	O	2	419	36	15,084			43
WOODRUFF AVENUE	396	GOLDEN WEST AVENUE	AGNES AVENUE	C	O	2	400	36	14,400			38
WOODRUFF AVENUE	397	AGNES AVENUE	ROWLAND AVENUE	C	O	2	398	36	14,328			45
WOODRUFF AVENUE	398	ROWLAND AVENUE	CITY LIMIT	C	O	2	194	32	6,208			38
WOOLLEY STREET	399	SULTANA AVENUE	ENCINITA AVENUE	R	O	2	1,189	36	42,804			39
WOOLLEY STREET (South Side)	400	BARELA AVENUE	122' E/O BARELA AVENUE	R	O	2	122	20	2,440			39
WORKMAN AVENUE	401	ENCINITA AVENUE	ALESSANDRO AVENUE	C	O	2	504	36	18,144			46
WORKMAN AVENUE	402	ALESSANDRO AVENUE	OAK AVENUE	C	O	2	389	36	14,004			54
WORKMAN AVENUE	403	OAK AVENUE	CLOVERLY AVENUE	C	O	2	398	36	14,328			40

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
WORKMAN AVENUE	404	CLOVERLY AVENUE	PRIMROSE AVENUE	C	O	2	389	36	14,004			39
WORKMAN AVENUE	405	PRIMROSE AVENUE	TEMPLE CITY BOULEVARD	C	O	2	393	36	14,148			33
WORKMAN AVENUE	406	TEMPLE CITY BOULEVARD	ALLEY E/O TEMPLE CITY BOULEVARD	C	O	2	235	36	8,460			100
WORKMAN AVENUE	407	ALLEY E/O TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	C	O	2	155	36	5,580			45
WORKMAN AVENUE	408	CAMELLIA AVENUE	KAUFFMAN AVENUE	C	O	2	389	36	14,004			30
WORKMAN AVENUE	409	KAUFFMAN AVENUE	GOLDEN WEST AVENUE	C	O	2	418	36	15,048			35
WORKMAN AVENUE	410	GOLDEN WEST AVENUE	AGNES AVENUE	C	O	2	400	36	14,400			37
WORKMAN AVENUE	411	AGNES AVENUE	ROWLAND AVENUE	C	O	2	400	36	14,400			70
WORKMAN AVENUE	412	ROWLAND AVENUE	CITY LIMIT	C	O	2	224	36	8,064			56
WORTHINGTON DRIVE	413	BURTON AVENUE	CDS	R	O	2	176	24	5,994			70
ZADELL AVENUE	414	OLIVE STREET	CDS	R	O	2	470	34	17,162			36

Sorted by Descending PCI

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
ALESSANDRO AVENUE	009	OLIVE STREET	BLACKLEY STREET	C	O	2	580	28	16,240	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
ALESSANDRO AVENUE	010	BLACKLEY STREET	PENTLAND STREET	C	O	2	331	32	10,592	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
ARDSLEY DRIVE	016	CDS	TEMPLE CITY BOULEVARD	R	O	2	1,075	30	34,372	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
BLACKLEY STREET	034	ENCINITA AVENUE	CDS	R	O	2	2,688	35	94,218	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
BLACKLEY STREET	035	TEMPLE CITY BOULEVARD	GOLDEN WEST AVENUE	R	O	2	1,112	34	37,808	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
BROADWAY	044	TEMPLE CITY BOULEVARD	GOLDEN WEST AVENUE	C	O	2	1,258	36	45,288	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
BROADWAY	045	GOLDEN WEST AVENUE	BALDWIN AVENUE	C	O	2	1,274	34	45,864	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
ELM AVENUE	094	ROSEMEAD BOULEVARD	130' E/O ROSEMEAD BOULEVARD	R	O	2	509	32	16,288			100
ENCINITA AVENUE	100	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,384	36	49,824	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
ENCINITA AVENUE	101	GARIBALDI AVENUE	WOODRUFF AVENUE	C	O	2	656	36	23,616	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	192	ALESSANDRO AVENUE	FIESTA AVENUE	C	O	2	1,099	32	35,168	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	193	FIESTA AVENUE	TEMPLE CITY BOULEVARD	C	O	2	521	32	16,672	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	194	TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	C	O	2	364	32	11,648	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	195	CAMELLIA AVENUE	KAUFFMAN AVENUE	C	O	2	342	32	10,944	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	196	KAUFFMAN AVENUE	GOLDEN WEST AVENUE	C	O	2	340	32	10,880	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	197	GOLDEN WEST AVENUE	BALDWIN AVENUE	C	O	2	1,396	32	44,672	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	198	BALDWIN AVENUE	RYLAND AVENUE	R	O	2	636	36	22,896	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	199	RYLAND AVENUE	GLICKMAN AVENUE	R	O	2	659	36	23,724	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
LA ROSA DRIVE	200	GLICKMAN AVENUE	ARDEN DRIVE	R	O	2	599	36	21,564	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
SPARKLETT STREET	355	ARDSLEY DRIVE	TEMPLE CITY BOULEVARD	R	O	2	245	28	6,860	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
TEMPLE CITY BOULEVARD	367	CAMINO REAL AVENUE	GARIBALDI AVENUE	A	O	4	3,965	60	237,900	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
TEMPLE CITY BOULEVARD	368	GARIBALDI AVENUE	200 N/O LAS TUNAS DRIVE	A	O	4	1,026	60	61,560	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
TEMPLE CITY BOULEVARD	370	200 S/O LAS TUNAS DRIVE	OLIVE STREET	A	O	4	3,042	54	164,800	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
TEMPLE CITY BOULEVARD	371	OLIVE STREET	143 N/O LOWER AZUSA ROAD	A	O	4	2,910	46	133,860	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
TEMPLE CITY BOULEVARD	373	143 S/O LOWER AZUSA ROAD	SOUTH CITY LIMIT	A	O	4	1,377	52	71,604	01/01/2018	2" COLDMILL AND ARHM OVERLAY	100
WORKMAN AVENUE	406	TEMPLE CITY BOULEVARD	ALLEY E/O TEMPLE CITY BOULEVARD	C	O	2	235	36	8,460			100
ARDEN DRIVE	013	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,548	52	80,496	01/01/2016	1.5" COLDMILL AND ARHM OVERLAY	99
EL MONTE AVENUE	091	FREER STREET	266 N/O LOWER AZUSA ROAD	A	O	4	2,159	52	112,268	01/01/2016	1.5" COLDMILL AND ARHM OVERLAY	99
EL MONTE AVENUE	090	162 S/O LIVE OAK AVENUE	FREER STREET	A	O	4	2,340	52	121,680	01/01/2016	1.5" COLDMILL AND ARHM OVERLAY	98
BALDWIN AVENUE	023	LIVE OAK AVENUE	190 N/O LOWER AZUSA ROAD	A	O	4	4,825	72	347,650	01/01/2017	SLURRY SEAL	96
BROADWAY	041	WEST CITY LIMIT	ROSEMEAD BOULEVARD	C	O	4	565	60	33,900	01/01/2017	SLURRY SEAL	96
EMPEROR AVENUE	097	OAK AVENUE	CDS	C	O	2	340	30	11,456	01/01/2017	SLURRY SEAL	96
HERMOSA DRIVE	170	SULTANA AVENUE	ENCINITA AVENUE	C	O	2	1,086	36	39,096	01/01/2017	SLURRY SEAL	96
RENO AVENUE	302	HERMOSA DRIVE	ELM AVENUE	C	O	2	482	26	12,532	01/01/2017	SLURRY SEAL	96
RENO AVENUE	300	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,494	26	38,844	01/01/2017	SLURRY SEAL	95
ROSEMEAD BOULEVARD NB	315	EMPEROR AVENUE	CALLITA STREET	A	O	2	416	28	11,648	01/01/2015	4" COLDMILL AND OVERLAY	95
ROSEMEAD BOULEVARD NB	316	LONGDEN AVENUE	EMPEROR AVENUE	A	O	2	1,234	30	37,020	01/01/2015	4" COLDMILL AND OVERLAY	95
HERMOSA DRIVE	169	ROSEMEAD BOULEVARD	SULTANA AVENUE	C	O	2	500	36	18,000	01/01/2017	SLURRY SEAL	94
LIVE OAK AVENUE	217	BALDWIN AVENUE	760 E/O BALDWIN AVENUE	A	O	2	760	52	39,520	01/01/2017	SLURRY SEAL	94
RENO AVENUE	301	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,064	26	27,664	01/01/2017	SLURRY SEAL	94
GRACEWOOD AVENUE	145	LIVE OAK AVENUE	885 NORTH OF DAINES DRIVE	R	O	2	523	30	15,690	01/01/2017	SLURRY SEAL	93
ELM AVENUE	093	MUSCATEL AVENUE	RENO AVENUE	C	O	2	712	26	18,512	01/01/2017	SLURRY SEAL	92
LOWER AZUSA ROAD	236	190 W/O TEMPLE CITY BOULEVARD	190 E/O TEMPLE CITY BOULEVARD	A	P	4	380	60	22,800			92
ROSEMEAD BOULEVARD SB	329	CALLITA STREET	EMPEROR AVENUE	A	O	2	429	28	12,012	01/01/2015	4" COLDMILL AND OVERLAY	92
ARDEN DRIVE	012	OLIVE STREET	LA ROSA DRIVE	C	O	2	1,511	36	54,396	01/01/2016	1.5" COLDMILL AND ARHM OVERLAY	91

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
LIVE OAK AVENUE	218	760 E/O BALDWIN AVENUE	GLICKMAN AVENUE	A	O	2	480	36	17,280	01/01/2017	SLURRY SEAL	91
ROSEMEAD BOULEVARD SB	334	ELM AVENUE	LAS TUNAS DRIVE	A	O	2	473	40	18,920	01/01/2015	4" COLDMILL AND OVERLAY	91
BROADWAY	042	ROSEMEAD BOULEVARD	ENCINITA AVENUE	C	O	4	1,630	58	96,068	01/01/2017	SLURRY SEAL	90
FREER STREET	123	ARDEN DRIVE	HALIFAX ROAD	C	O	2	647	32	20,704	01/01/2017	SLURRY SEAL	90
TEMPLE CITY BOULEVARD	369	200 N/O LAS TUNAS DRIVE	200 S/O LAS TUNAS DRIVE	A	P	4	400	60	24,000			90
ROSEMEAD BOULEVARD NB	324	SERENO DRIVE	OLIVE STREET	A	O	2	653	28	18,284	01/01/2015	4" COLDMILL AND OVERLAY	89
ROSEMEAD BOULEVARD SB	339	SERENO DRIVE	PENTLAND STREET	A	O	2	792	28	22,176	01/01/2015	4" COLDMILL AND OVERLAY	89
LAS TUNAS DRIVE	208	190 W/O TEMPLE CITY BOULEVARD	190 E/O TEMPLE CITY BOULEVARD	A	P	4	380	66	25,080			88
OLIVE STREET	269	ROSEMEAD BOULEVARD	SULTANA AVENUE	C	O	2	580	36	20,880	01/01/2016	SLURRY SEAL	88
OLIVE STREET	270	SULTANA AVENUE	LOMA AVENUE	C	O	2	710	36	25,560	01/01/2016	SLURRY SEAL	88
ROSEMEAD BOULEVARD NB	317	GARIBALDI AVENUE	LONGDEN AVENUE	A	O	2	1,538	30	46,140	01/01/2015	4" COLDMILL AND OVERLAY	88
TEMPLE CITY BOULEVARD	372	143 N/O LOWER AZUSA ROAD	143 S/O LOWER AZUSA ROAD	A	P	4	286	60	13,156			88
BROADWAY	043	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	C	O	2	2,503	36	90,108	01/01/2017	SLURRY SEAL	87
ROSEMEAD BOULEVARD NB	321	BROADWAY	LAS TUNAS DRIVE	A	O	2	1,635	30	49,050	01/01/2015	4" COLDMILL AND OVERLAY	87
LIVE OAK AVENUE	219	GLICKMAN AVENUE	EAST CITY LIMIT	A	O	2	2,586	36	93,096	01/01/2017	SLURRY SEAL	86
ROSEMEAD BOULEVARD NB	325	PENTLAND STREET	SERENO DRIVE	A	O	2	792	32	25,344	01/01/2015	4" COLDMILL AND OVERLAY	86
ROSEMEAD BOULEVARD SB	332	GARIBALDI AVENUE	HERMOSA DRIVE	A	O	2	1,096	30	32,880	01/01/2015	4" COLDMILL AND OVERLAY	86
ROSEMEAD BOULEVARD SB	333	HERMOSA DRIVE	ELM AVENUE	A	O	2	489	34	16,626	01/01/2015	4" COLDMILL AND OVERLAY	86
ROSEMEAD BOULEVARD SB	341	END OF PCC PAVEMENT	SCL (RR CROSSING)	A	P	2	969	24	23,256			86
ROSEMEAD BOULEVARD NB	314	CALLITA STREET	ARDENDALE	A	O	2	711	38	27,018	01/01/2015	4" COLDMILL AND OVERLAY	85
ROSEMEAD BOULEVARD SB	330	EMPEROR AVENUE	LONGDEN AVENUE	A	O	2	1,228	32	39,296	01/01/2015	4" COLDMILL AND OVERLAY	85
ROSEMEAD BOULEVARD SB	335	LAS TUNAS DRIVE	BROADWAY	A	O	2	1,627	28	45,556	01/01/2015	4" COLDMILL AND OVERLAY	85
OLIVE STREET	274	BALDWIN AVENUE	ARDEN DRIVE	C	O	2	1,907	36	68,652	01/01/2016	SLURRY SEAL	84
ROSEMEAD BOULEVARD NB	318	HERMOSA DRIVE	GARIBALDI AVENUE	A	O	2	1,096	30	32,880	01/01/2015	4" COLDMILL AND OVERLAY	84
ROSEMEAD BOULEVARD NB	326	END OF AC PAVEMENT	PENTLAND STREET	A	O	2	108	30	3,240	01/01/2015	4" COLDMILL AND OVERLAY	84
ENCINITA AVENUE	105	BROADWAY	EATON WASH	C	O	2	2,245	36	80,820			83
OLIVE STREET	272	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	C	O	2	2,654	36	95,544	01/01/2016	SLURRY SEAL	83
ROSEMEAD BOULEVARD SB	331	LONGDEN AVENUE	GARIBALDI AVENUE	A	O	2	1,538	30	46,140	01/01/2015	4" COLDMILL AND OVERLAY	83
PERSIMMON AVENUE	287	NORTH CITY LIMIT	DAINES DRIVE	C	O	2	1,147	28	34,410	01/01/2017	SLURRY SEAL	82
LONGDEN AVENUE	228	BURTON AVENUE	MUSCATEL AVENUE	C	O	2	1,252	32	40,064	01/01/2016	SLURRY SEAL	81
OLIVE STREET	275	ARDEN DRIVE	EL MONTE AVENUE	C	O	2	2,143	36	77,148	01/01/2016	SLURRY SEAL	81
ROSEMEAD BOULEVARD NB	327	SCL (RR CROSSING)	END OF PCC PAVEMENT	A	P	2	969	26	25,194			81
ROSEMEAD BOULEVARD SB	328	NORTH CITY LIMIT	CALLITA STREET	A	O	2	170	38	6,460	01/01/2015	4" COLDMILL AND OVERLAY	81
FAIRVIEW AVENUE	111	WEST END	McCLINTOCK AVENUE	R	O	2	138	26	3,588			80
GREEN STREET	148	BALDWIN AVENUE	CDS	R	O	2	1,783	33	59,178	01/01/2017	SLURRY SEAL	80
OLIVE STREET	271	LOMA AVENUE	ENCINITA AVENUE	C	O	2	343	36	12,348	01/01/2016	SLURRY SEAL	80
ROSEMEAD BOULEVARD NB	319	ELM AVENUE	HERMOSA DRIVE	A	O	2	492	34	16,728	01/01/2015	4" COLDMILL AND OVERLAY	80
ROSEMEAD BOULEVARD NB	322	RANCHO REAL ROAD	BROADWAY	A	O	2	403	35	14,105	01/01/2015	4" COLDMILL AND OVERLAY	80
ROSEMEAD BOULEVARD NB	323	OLIVE STREET	RANCHO REAL ROAD	A	O	2	198	34	6,732	01/01/2015	4" COLDMILL AND OVERLAY	80
DAINES DRIVE	077	HALIFAX ROAD	EL MONTE AVENUE	C	O	2	1,419	32	45,408	01/01/2017	SLURRY SEAL	79
OLIVE STREET	273	TEMPLE CITY BOULEVARD	BALDWIN AVENUE	C	O	2	2,575	36	92,700	01/01/2016	SLURRY SEAL	79
ROSEMEAD BOULEVARD NB	320	LAS TUNAS DRIVE	ELM AVENUE	A	O	2	464	30	13,920	01/01/2015	4" COLDMILL AND OVERLAY	79
VAL STREET	376	TEMPLE CITY BOULEVARD	BARELA AVENUE	C	O	2	483	28	13,524	01/01/2017	SLURRY SEAL	79
CRAIGLEE STREET	070	BARELA AVENUE	EAST END	R	O	2	287	28	8,036	01/01/2017	SLURRY SEAL	78
FREER STREET	124	HALIFAX ROAD	EL MONTE AVENUE	C	O	2	1,410	32	45,120	01/01/2017	SLURRY SEAL	78

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
HILTON AVENUE	172	CDS	OLIVE STREET	R	O	2	658	39	25,810	01/01/2017	SLURRY SEAL	78
ROSEMEAD BOULEVARD SB	336	BROADWAY	RANCHO REAL ROAD	A	O	2	403	35	14,105	01/01/2015	4" COLDMILL AND OVERLAY	78
ROSEMEAD BOULEVARD SB	338	OLIVE STREET	SERENO DRIVE	A	O	2	653	28	18,284	01/01/2015	4" COLDMILL AND OVERLAY	78
ROSEMEAD BOULEVARD SB	340	PENTLAND STREET	END OF AC PAVEMENT	A	O	2	108	30	3,240	01/01/2015	4" COLDMILL AND OVERLAY	78
BALDWIN AVENUE	024	190 N/O LOWER AZUSA ROAD	LOWER AZUSA ROAD	A	P	4	190	80	15,200			77
FREER STREET	125	EL MONTE AVENUE	ARCADIA WASH	C	O	2	564	32	18,048	01/01/2017	SLURRY SEAL	77
LOWER AZUSA ROAD	238	190 W/O BALDWIN AVENUE	190 E/O BALDWIN AVENUE	A	P	4	380	60	22,800			77
PARMERTON AVENUE	282	DAINES DRIVE	BLACKLEY STREET	R	O	2	912	26	23,712	01/01/2017	SLURRY SEAL	77
FREER STREET	126	ARCADIA WASH	SANTA ANITA AVENUE	C	O	2	1,656	32	52,992	01/01/2017	SLURRY SEAL	76
GOLDEN WEST AVENUE	137	LEMON AVENUE	LONGDEN AVENUE	C	O	2	1,281	36	46,116	01/01/2016	SLURRY SEAL	76
McCLINTOCK AVENUE	244	GRAND AVENUE	FAIRVIEW AVENUE	R	O	2	780	26	20,280	01/01/2017	SLURRY SEAL	76
PENTLAND STREET	284	ENCINITA AVENUE	ALESSANDRO AVENUE	R	O	2	1,126	34	38,284	01/01/2015	SLURRY SEAL	76
ROSEMEAD BOULEVARD SB	337	RANCHO REAL ROAD	OLIVE STREET	A	O	2	198	32	6,336	01/01/2015	4" COLDMILL AND OVERLAY	76
CAMELLIA AVENUE	053	CDS	GARIBALDI AVENUE	C	O	2	811	36	32,022	01/01/2017	SLURRY SEAL	75
ENCINITA AVENUE	106	EATON WASH	SPRR (SOUTH CITY LIMIT)	C	O	2	1,467	36	52,812			75
CRAIGLEE STREET	069	TEMPLE CITY BOULEVARD	BARELA AVENUE	R	O	2	480	28	13,440	01/01/2017	SLURRY SEAL	74
DALEVIEW AVENUE	081	FREER STREET	GRAND AVENUE	C	O	2	1,212	38	47,328	01/01/2015	SLURRY SEAL	74
ENCINITA AVENUE	102	WOODRUFF AVENUE	LAS TUNAS DRIVE	C	O	2	627	36	22,572			74
ALESSANDRO AVENUE	415	PENTLAND STREET	LA ROSA DRIVE	C	O	2	529	32	16,928	01/01/2015	SLURRY SEAL	73
CLOVERLY AVENUE	063	LIVE OAK AVENUE	BROADWAY	C	O	2	916	36	32,976	01/01/2017	SLURRY SEAL	73
ACASO DRIVE	001	SULTANA AVENUE	SERENO DRIVE	R	O	2	568	32	18,176			72
BLACKLEY STREET	036	PARMERTON AVENUE	McCULLOCH AVENUE	R	O	2	233	26	6,058	01/01/2017	SLURRY SEAL	72
FLAHERTY STREET	118	GOLDEN WEST AVENUE	ROWLAND AVENUE	R	O	2	930	28	26,040	01/01/2017	SLURRY SEAL	71
LONGDEN AVENUE	229	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	C	O	2	1,083	36	38,988	01/01/2016	SLURRY SEAL	71
CAMINO REAL	058	OAK AVENUE	TEMPLE CITY BOULEVARD	C	O	2	1,267	34	43,078	01/01/2017	SLURRY SEAL	70
CLOVERLY AVENUE	059	WENDON STREET	FLAHERTY STREET	R	O	2	320	28	8,960	01/01/2017	SLURRY SEAL	70
DAINES DRIVE	073	CDS	TEMPLE CITY BOULEVARD	C	O	2	193	3	7,451	01/01/2017	SLURRY SEAL	70
HALDEMAN STREET	149	BURTON AVENUE	CDS	R	O	2	238	32	7,358			70
LIVE OAK AVENUE	215	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	A	O	2	2,340	34	79,560	01/01/2017	SLURRY SEAL	70
MILLER DRIVE	247	LOWER AZUSA ROAD	SOUTH END	R	O	2	143	36	5,148	01/01/2017	SLURRY SEAL	70
PRIMROSE AVENUE	292	LONGDEN AVENUE	FLAHERTY STREET	C	O	2	882	28	24,696	01/01/2015	SLURRY SEAL	70
VAL STREET	377	BARELA AVENUE	GOLDEN WEST AVENUE	C	O	2	758	28	21,224	01/01/2017	SLURRY SEAL	70
WENDON STREET	386	GOLDEN WEST AVENUE	ROWLAND AVENUE	R	O	2	935	34	26,180	01/01/2017	SLURRY SEAL	70
WORKMAN AVENUE	411	AGNES AVENUE	ROWLAND AVENUE	C	O	2	400	36	14,400			70
WORTHINGTON DRIVE	413	BURTON AVENUE	CDS	R	O	2	176	24	5,994			70
CLOVERLY AVENUE	064	BROADWAY	OLIVE STREET	C	O	2	907	36	32,652	01/01/2015	SLURRY SEAL	69
ENCINITA AVENUE	104	LIVE OAK AVENUE	BROADWAY	C	O	2	975	36	35,100			69
HERMOSA DRIVE	168	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	C	O	2	1,042	40	41,680	01/01/2017	SLURRY SEAL	69
LEMON AVENUE	213	TEMPLE CITY BOULEVARD	EAST CITY LIMIT	C	O	2	1,944	32	62,208	01/01/2016	SLURRY SEAL	69
DAINES DRIVE	076	BALDWIN AVENUE	HALIFAX ROAD	C	O	2	2,571	32	82,272	01/01/2017	SLURRY SEAL	68
ENCINITA AVENUE	103	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,316	36	47,376			68
SAINT JAMES DRIVE	349	CDS	GARIBALDI AVENUE	R	O	2	173	30	8,553			68
SPARKLETT STREET	356	TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	R	O	2	367	28	10,276	01/01/2017	SLURRY SEAL	68
HERMOSA DRIVE	167	BURTON AVENUE	MUSCATEL AVENUE	C	O	2	1,183	36	42,588	01/01/2017	SLURRY SEAL	67
LAS TUNAS DRIVE	204	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	A	O	6	1,045	101	105,050			67

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
LAS TUNAS DRIVE	205	ROSEMEAD BOULEVARD	SULTANA AVENUE	A	O	6	585	100	58,710			67
TRELAWNEY AVENUE	375	LEMON AVENUE	SOUTH END	R	O	2	878	36	33,730			67
NOEL DRIVE	260	NORTH END	BROADWAY	R	O	2	1,848	36	62,832	01/01/2017	SLURRY SEAL	66
FLAHERTY STREET	117	CLOVERLY AVENUE	PRIMROSE AVENUE	R	O	2	582	30	17,460	01/01/2015	SLURRY SEAL	65
OAK AVENUE	263	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,289	36	46,404	01/01/2017	SLURRY SEAL	65
PARMERTON AVENUE	281	DANESWOOD DRIVE	DAINES DRIVE	R	O	2	487	30	14,610	01/01/2017	SLURRY SEAL	65
ALESSANDRO AVENUE	006	GARIBALDI AVENUE	LAS TUNAS DRIVE	R	O	2	1,270	36	45,720			64
PAL MALL AVENUE	276	LIVE OAK AVENUE	DAINES DRIVE	C	O	2	1,319	32	42,208			64
ESTRELLA AVENUE	107	SALTER AVENUE	EAST CITY LIMIT	R	O	2	377	28	10,556	01/01/2017	SLURRY SEAL	62
LIVIA AVENUE	221	WOOLLEY STREET	LONGDEN AVENUE	C	O	2	480	36	17,280			62
PRIMROSE AVENUE	293	FLAHERTY STREET	GARIBALDI AVENUE	C	O	2	426	32	13,632	01/01/2015	SLURRY SEAL	62
ROWLAND AVENUE	343	WENDON AVENUE	FLAHERTY STREET	R	O	2	368	30	10,304	01/01/2017	SLURRY SEAL	62
KAUFFMAN AVENUE	178	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,278	32	40,896			61
BIDWELL STREET	030	LOMA AVENUE	ENCINITA AVENUE	R	O	2	347	32	11,104			60
GOLDEN WEST AVENUE	138	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,281	36	46,116	01/01/2016	SLURRY SEAL	60
LEMON AVENUE	210	NCL	LONGDEN AVENUE	R	O	2	135	26	3,510			60
LOWER AZUSA ROAD	239	190 E/O BALDWIN AVENUE	EAST CITY LIMIT	A	O	4	3,700	60	222,000			60
LOMA AVENUE	222	EMPEROR AVENUE	WOOLLEY STREET	R	O	2	838	30	25,140	01/01/2017	SLURRY SEAL	59
DANESWOOD DRIVE	085	PARMERTON AVENUE	McCULLOCH AVENUE	R	O	2	190	30	6,956	01/01/2017	SLURRY SEAL	58
FIESTA AVENUE	115	LOWER AZUSA ROAD	BISBY STREET	R	O	2	270	34	9,180			58
LOWER AZUSA ROAD	235	WEST CITY LIMIT	190 W/O TEMPLE CITY BOULEVARD	A	O	4	2,510	60	150,600			58
MUSCATEL AVENUE	254	LAS TUNAS DRIVE	SOUTH CITY LIMIT	C	O	2	200	36	7,200			58
OAK AVENUE	262	CAMINO REAL	LONGDEN AVENUE	C	O	2	2,651	36	95,436	01/01/2015	SLURRY SEAL	58
PRIMROSE AVENUE	291	CDS	LONGDEN AVENUE	R	O	2	224	28	7,946			58
SULTANA AVENUE	364	LAS TUNAS DRIVE	BROADWAY	C	O	2	1,840	36	66,240			58
ELLIS LANE	092	TEMPLE CITY BOULEVARD	130 S/O LOWER AZUSA ROAD	C	O	2	1,000	36	36,000	01/01/2017	SLURRY SEAL	57
VAL STREET	378	GOLDEN WEST AVENUE	EAST CITY LIMIT	C	O	2	669	28	18,732	01/01/2017	SLURRY SEAL	57
AVON AVENUE	022	BURGHARDT ROAD	LESLIE DRIVE	R	O	2	405	30	12,150			56
BARELA AVENUE	025	WOOLLEY STREET	CRAIGLEE STREET	R	O	2	660	28	18,480	01/01/2017	SLURRY SEAL	56
HART AVENUE	163	HERMOSA DRIVE	LAS TUNAS DRIVE	C	O	2	502	26	13,052	01/01/2017	SLURRY SEAL	56
LEMON AVENUE	212	OAK AVENUE	TEMPLE CITY BOULEVARD	C	O	2	1,265	36	40,480	01/01/2015	SLURRY SEAL	56
LOWER AZUSA ROAD	237	190 E/O TEMPLE CITY BOULEVARD	190 W/O BALDWIN AVENUE	A	O	4	2,228	59	131,080			56
WORKMAN AVENUE	412	ROWLAND AVENUE	CITY LIMIT	C	O	2	224	36	8,064			56
CLOVERLY AVENUE	060	GARIBALDI AVENUE	WOODRUFF AVENUE	R	O	2	644	36	23,184			55
SPARKLETT STREET	357	CAMELLIA AVENUE	KAUFFMAN AVENUE	R	O	2	345	28	9,660	01/01/2017	SLURRY SEAL	55
SULTANA AVENUE	363	HERMOSA DRIVE	LAS TUNAS DRIVE	C	O	2	658	26	17,108	01/01/2017	SLURRY SEAL	55
WILLMONTE AVENUE	388	DUFFY STREET	BOGUE STREET	R	O	2	262	30	6,812			55
JAYLEE DRIVE	177	LOMA AVENUE	CDS	R	O	2	450	30	15,622	01/01/2017	SLURRY SEAL	54
LA ROSA DRIVE	191	FRATUS DRIVE	ALESSANDRO AVENUE	C	O	2	926	32	29,632	01/01/2015	SLURRY SEAL	54
LIVIA AVENUE	220	EMPEROR AVENUE	WOOLLEY STREET	C	O	2	853	36	30,708			54
McCLINTOCK AVENUE	243	FREER STREET	GRAND AVENUE	R	O	2	1,217	30	36,510			54
SALTER AVENUE	350	ESTRELLA AVENUE	LONGDEN AVENUE	R	O	2	466	22	10,252	01/01/2017	SLURRY SEAL	54
WENDON STREET	385	CLOVERLY AVENUE	PRIMROSE AVENUE	R	O	2	566	30	16,980	01/01/2015	SLURRY SEAL	54
WORKMAN AVENUE	402	ALESSANDRO AVENUE	OAK AVENUE	C	O	2	389	36	14,004			54
CALLITA STREET	049	501 W/O ROSEMEAD BOULEVARD	ROSEMEAD BOULEVARD	R	O	2	501	32	16,032	01/01/2017	SLURRY SEAL	53

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
FRATUS DRIVE	121	PENTLAND STREET	RIO HONDO AVENUE	R	O	2	2,066	28	57,848	01/01/2015	SLURRY SEAL	53
GARIBALDI AVENUE	131	TEMPLE CITY BOULEVARD	EAST CITY LIMIT	C	O	2	2,170	34	78,120			53
LA ROSA DRIVE	190	WEST END	ENCINITA AVENUE	R	O	2	335	54	18,090			53
LAS TUNAS DRIVE	207	ENCINITA AVENUE	190 W/O TEMPLE CITY BOULEVARD	A	O	4	2,015	66	132,990			53
NADINE STREET	256	CDS	TEMPLE CITY BOULEVARD	R	O	2	531	27	15,928	01/01/2017	SLURRY SEAL	53
PAL MALL AVENUE	280	KEY WEST STREET	LOWER AZUSA ROAD	C	O	2	1,196	32	38,272			53
PENTLAND STREET	283	ROSEMEAD BOULEVARD	SULTANA AVENUE	R	O	2	397	31	12,307			53
LOMA AVENUE	227	CDS	BROADWAY	C	O	2	1,484	32	47,488			52
CLOVERLY AVENUE	068	LOWER AZUSA ROAD	GIDLEY STREET	R	O	2	448	34	15,232			51
DANBURY STREET	084	CDS	SANTA ANITA AVENUE	R	O	2	195	24	6,412			51
EMPEROR AVENUE	096	ROSEMEAD BOULEVARD	OAK AVENUE	C	O	2	1,693	32	54,176			51
HART AVENUE	161	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,502	30	45,060			51
LAS TUNAS DRIVE	209	190 E/O TEMPLE CITY BOULEVARD	EAST CITY LIMIT	A	O	4	2,213	66	146,058			51
LIVE OAK AVENUE	216	TEMPLE CITY BOULEVARD	BALDWIN AVENUE	A	O	2	2,582	34	87,788	01/01/2017	SLURRY SEAL	51
LONGDEN AVENUE	230	ROSEMEAD BOULEVARD	OAK AVENUE	C	O	2	2,124	36	76,464	01/01/2015	SLURRY SEAL	51
ROWLAND AVENUE	344	CDS	GARIBALDI AVENUE	C	O	2	296	32	11,761			51
DAINES DRIVE	080	WELLAND AVENUE	SANTA ANITA AVENUE	C	O	2	648	32	20,736	01/01/2017	SLURRY SEAL	50
MUSCATEL AVENUE	253	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	2,090	36	75,240			50
MYDA AVENUE	255	HERMOSA DRIVE	CDS	R	O	2	414	27	12,726			50
ARROWOOD STREET	019	CDS	DALEVIEW AVENUE	R	O	2	288	24	9,201			49
DAINES DRIVE	072	HILTON AVENUE	CLOVERLY AVENUE	C	O	2	1,265	36	45,540			49
DAINES DRIVE	079	McCULLOCH AVENUE	WELLAND AVENUE	C	O	2	557	32	17,824	01/01/2017	SLURRY SEAL	48
GLICKMAN AVENUE	136	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,537	32	49,184			48
LONGDEN AVENUE	231	OAK AVENUE	TEMPLE CITY BOULEVARD	C	O	2	1,320	32	47,520	01/01/2015	SLURRY SEAL	48
LONGDEN AVENUE	232	TEMPLE CITY BOULEVARD	EAST CITY LIMIT	C	O	2	1,954	36	70,344	01/01/2016	SLURRY SEAL	48
RANCHO REAL ROAD	297	SULTANA AVENUE	LOMA AVENUE	R	O	2	707	36	25,452			48
ROCCUS LANE	309	BURTON AVENUE	CDS	R	O	2	208	26	7,530			48
RYLAND AVENUE	348	LA ROSA DRIVE	LOWER AZUSA ROAD	R	O	2	1,542	36	55,512			48
DANBURY STREET	082	CDS	PAL MAL AVENUE	R	O	2	290	33	12,106			47
PRIMROSE AVENUE	294	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,286	36	46,296			47
ARDENEL AVENUE	014	CDS	MILOANN STREET	R	O	2	277	30	12,531			46
BOGUE STREET	039	CDS	PAL MAL AVENUE	R	O	2	372	33	14,730			46
BURTON AVENUE	047	LONGDEN AVENUE	SOUTH CITY LIMIT	C	O	2	2,878	30	86,340			46
DANBURY STREET	083	EL MONTE AVENUE	PERSIMMON AVENUE	R	O	2	384	28	10,752			46
ENCINITA AVENUE	099	WOOLLEY STREET	LONGDEN AVENUE	C	O	2	815	32	26,080			46
GRACEWOOD AVENUE	146	885 NORTH OF DAINES DRIVE	DAINES DRIVE	R	O	2	885	36	31,860			46
HALIFAX ROAD	150	LIVE OAK AVENUE	OLIVE STREET	C	O	2	1,900	36	68,400			46
HALLOWELL AVENUE	154	FREER STREET	MILOANN STREET	R	O	2	564	34	19,176			46
LORA STREET	233	PAL MAL AVENUE	CDS	R	O	2	385	33	15,982			46
NOEL DRIVE	261	OLIVE STREET	CDS	R	O	2	378	33	14,218			46
OLEMA STREET	268	486 EAST OAK AVENUE	TRELAWNEY AVENUE	R	O	2	858	3	28,566			46
WEDGEWOOD STREET	380	CLOVERLY AVENUE	CDS	R	O	2	624	34	23,338			46
WENDON STREET	384	CDS	AVON AVENUE	R	O	2	441	22	11,824			46
WORKMAN AVENUE	401	ENCINITA AVENUE	ALESSANDRO AVENUE	C	O	2	504	36	18,144			46
BOGUE STREET	040	CDS	EL MONTE AVENUE	R	O	2	278	26	9,072			45

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
CALLITA STREET	050	ROSEMEAD BOULEVARD	407 E/O ROSEMEAD BOULEVARD	R	O	2	407	36	14,652			45
DAINES DRIVE	078	EL MONTE AVENUE	McCULLOCH AVENUE	C	O	2	988	32	31,616			45
LEMON AVENUE	211	ENCINITA AVENUE	OAK AVENUE	C	O	2	252	32	8,064			45
LOMA AVENUE	225	HERMOSA DRIVE	LAS TUNAS DRIVE	C	O	2	292	26	7,592			45
MILOANN STREET	249	AGNES AVENUE	BALDWIN AVENUE	C	O	2	753	33	27,108			45
OLEMA STREET	266	LIVIA AVENUE	ENCINITA AVENUE	R	O	2	715	36	25,740			45
RANCHO REAL ROAD	296	ROSEMEAD BOULEVARD	SULTANA AVENUE	R	O	2	500	36	18,000			45
SULTANA AVENUE	361	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,563	30	46,890			45
WOODRUFF AVENUE	397	AGNES AVENUE	ROWLAND AVENUE	C	O	2	398	36	14,328			45
WORKMAN AVENUE	407	ALLEY E/O TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	C	O	2	155	36	5,580			45
AVON AVENUE	020	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,504	30	45,120			44
FLAHERTY STREET	116	ENCINITA AVENUE	CDS	R	O	2	314	24	9,197			44
KAUFFMAN AVENUE	181	BLACKLEY STREET	LOWER AZUSA ROAD	C	O	2	2,446	26	63,596			44
LAS TUNAS DRIVE	206	SULTANA AVENUE	ENCINITA AVENUE	A	O	4	1,216	58	70,528			44
ROBINHOOD AVENUE	306	BOGUE STREET	DAINES DRIVE	R	O	2	770	30	21,560			44
SULTANA AVENUE	362	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,138	30	34,140			44
SULTANA AVENUE	366	ACASO DRIVE	SERENO DRIVE	C	O	2	1,328	32	42,496			44
AVON AVENUE	021	CDS	BURGHARDT ROAD	R	O	2	155	26	6,152			43
BARTLETT AVENUE	029	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,065	26	27,690			43
CAMBURY AVENUE	051	LIVE OAK AVENUE	BOGUE STREET	R	O	2	580	30	17,400			43
CRAIGLEE STREET	071	CDS	GOLDEN WEST AVENUE	R	O	2	128	30	5,873			43
DUFFY STREET	089	CDS	BALDWIN AVENUE	R	O	2	737	3	24,232			43
GLICKMAN AVENUE	134	LIVE OAK AVENUE	BOGUE STREET	C	O	2	542	32	17,344			43
GOLDEN WEST AVENUE	139	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,274	32	40,768	01/01/2016	SLURRY SEAL	43
IVAR AVENUE	176	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,062	30	31,860			43
KENNERLY STREET	184	CLOVERLY AVENUE	CDS	R	O	2	815	28	24,942			43
LYNROSE STREET	240	ROBINHOOD AVENUE	GLICKMAN AVENUE	R	O	2	988	30	27,664			43
LYNROSE STREET	241	CDS	PAL MAL AVENUE	R	O	2	467	23	13,100			43
OLEMA STREET	267	OAK AVENUE	486 EAST OAK AVENUE	R	O	2	486	29	13,608			43
ROBINHOOD AVENUE	305	LYNROSE STREET	BOGUE STREET	R	O	2	281	3	7,868			43
ROWLAND AVENUE	345	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,275	36	45,900			43
SULTANA AVENUE	360	EMPEROR AVENUE	LONGDEN AVENUE	C	O	2	1,258	33	41,514			43
WOODRUFF AVENUE	395	KAUFFMAN AVENUE	GOLDEN WEST AVENUE	C	O	2	419	36	15,084			43
CAMELLIA AVENUE	054	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,268	32	40,576			42
ENCINITA AVENUE	098	LEMON AVENUE	WOOLLEY STREET	C	O	2	400	32	12,800			42
GARIBALDI AVENUE	127	BURTON AVENUE	MUSCATEL AVENUE	C	O	2	1,187	36	42,732			42
WEDGEWOOD STREET	379	ENCINITA AVENUE	ALESSANDRO AVENUE	R	O	2	700	32	22,400			42
WILDFLOWER ROAD	387	WELLAND AVENUE	CDS	R	O	2	358	24	11,430			42
ALESSANDRO AVENUE	007	LAS TUNAS DRIVE	LIVE OAK AVENUE	R	O	2	1,300	36	46,800			41
BISBY STREET	032	FIESTA AVENUE	TEMPLE CITY BOULEVARD	R	O	2	600	34	20,400			41
BLACKLEY STREET	033	SERENO DRIVE	CDS	R	O	2	240	22	5,280			41
BOGUE STREET	038	BALDWIN AVENUE	GLICKMAN AVENUE	R	O	2	1,248	34	44,928			41
CLOVERLY AVENUE	067	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,548	34	52,632			41
FIESTA AVENUE	114	LA ROSA DRIVE	LOWER AZUSA ROAD	R	O	2	1,548	32	49,536			41
KEY WEST STREET	185	FRATUS DRIVE	RIO RONDO AVENUE	R	O	2	438	28	12,264			41

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
LOMA AVENUE	226	LAS TUNAS DRIVE	DUFFY STREET	R	O	2	1,442	32	46,144			41
MILOANN STREET	248	GOLDEN WEST AVENUE	AGNES AVENUE	C	O	2	634	34	25,360			41
SPARKLETT STREET	353	FRATUS DRIVE	RIO HONDO AVENUE	R	O	2	386	28	10,808			41
TREE ROSE TERRACE	374	HERMOSA DRIVE	CDS	R	O	2	112	30	6,186			41
WEDGEWOOD STREET	381	CDS	GOLDEN WEST AVENUE	R	O	2	743	34	27,384			41
GARIBALDI AVENUE	128	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	C	O	2	1,043	36	37,548			40
HECLA STREET	164	HILTON AVENUE	CDS	R	O	2	104	46	4,826	01/01/2017	SLURRY SEAL	40
HELEO AVENUE	165	LIVE OAK AVENUE	CDS	C	O	2	509	22	11,198			40
KENNERLY STREET	182	FRATUS DRIVE	CDS	R	O	2	360	28	12,202			40
LANDSEER STREET	203	CDS	GLICKMAN AVENUE	R	O	2	385	3	13,672			40
LOMA AVENUE	224	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,066	30	31,980			40
WORKMAN AVENUE	403	OAK AVENUE	CLOVERLY AVENUE	C	O	2	398	36	14,328			40
FAIRHALL STREET	108	WEST CDS	PAL MAL AVENUE	R	O	2	150	24	5,572			39
ROWLAND AVENUE	346	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,275	36	45,900			39
SANTA ANITA AVENUE	351	LIVE OAK AVENUE	GRAND AVENUE	A	O	4	3,905	67	260,772			39
WOODRUFF AVENUE	392	OAK AVENUE	TEMPLE CITY BOULEVARD	C	O	2	1,255	36	45,180			39
WOOLLEY STREET	399	SULTANA AVENUE	ENCINITA AVENUE	R	O	2	1,189	36	42,804			39
WOOLLEY STREET (South Side)	400	BARELA AVENUE	122' E/O BARELA AVENUE	R	O	2	122	20	2,440			39
WORKMAN AVENUE	404	CLOVERLY AVENUE	PRIMROSE AVENUE	C	O	2	389	36	14,004			39
ARROWOOD STREET	017	PAL MAL AVENUE	CDS	R	O	2	387	33	14,506			38
HALLWOOD DRIVE	157	RYLAND AVENUE	BIRCHLAND PLACE	R	O	2	238	30	7,140			38
HART AVENUE	162	GARIBALDI AVENUE	HERMOSA DRIVE	C	O	2	1,062	30	31,860			38
McCULLOCH AVENUE	246	DAINES DRIVE	FREER STREET	C	O	2	1,195	32	38,240			38
NADINE STREET	258	GOLDEN WEST AVENUE	CDS	R	O	2	1,049	28	29,396			38
PERSIMMON AVENUE	288	DAINES DRIVE	FREER STREET	C	O	2	1,162	23	34,860			38
WOODRUFF AVENUE	396	GOLDEN WEST AVENUE	AGNES AVENUE	C	O	2	400	36	14,400			38
WOODRUFF AVENUE	398	ROWLAND AVENUE	CITY LIMIT	C	O	2	194	32	6,208			38
AGNES AVENUE	002	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,282	36	46,152			37
CAMELLIA AVENUE	055	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,293	32	41,376			37
FREER STREET	122	CDS	ARDEN DRIVE	R	O	2	188	23	9,033			37
HALLWOOD DRIVE	158	WEST CDS	PAL MAL AVENUE	R	O	2	150	24	5,572			37
HALLWOOD DRIVE	159	PAL MAL AVENUE	EAST CDS	R	O	2	408	24	11,506			37
HARKER AVENUE	160	CDS	BROADWAY	R	O	2	608	35	21,578			37
HILTON AVENUE	171	CDS	BROADWAY	R	O	2	228	33	9,418			37
HOWLAND DRIVE	173	GOLDEN WEST AVENUE	AGNES AVENUE	C	O	2	639	38	20,448			37
LOMA AVENUE	223	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,503	30	45,090			37
ROBINHOOD AVENUE	308	CDS	RYLAND AVENUE	R	O	2	1,066	30	34,102			37
ROSEGLEN STREET	311	WEST CDS	PAL MAL AVENUE	R	O	2	150	24	5,572			37
WORKMAN AVENUE	410	GOLDEN WEST AVENUE	AGNES AVENUE	C	O	2	400	36	14,400			37
GARIBALDI AVENUE	130	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	C	O	2	1,921	34	69,156			36
RANDWICK DRIVE	299	GLICKMAN AVENUE	CDS	R	O	2	476	26	15,591			36
SPARKLETT STREET	354	RIO HONDO AVENUE	ALESSANDRO AVENUE	R	O	2	244	28	6,832			36
SPARKLETT STREET	358	WEST CDS	PAL MAL AVENUE	R	O	2	150	24	5,572			36
ZADELL AVENUE	414	OLIVE STREET	CDS	R	O	2	470	34	17,162			36
CLOVERLY AVENUE	065	OLIVE STREET	BLACKLEY STREET	C	O	2	580	36	19,720	01/01/2015	SLURRY SEAL	35

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
FARAGO AVENUE	112	CDS	FREER STREET	R	O	2	306	30	9,160			35
IVAR AVENUE	175	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,500	30	45,000			35
MUSCATEL AVENUE	252	LONGDEN AVENUE	GARIBALDI AVENUE	C	O	2	1,500	36	54,000			35
SERENO DRIVE	352	ROSEMEAD BOULEVARD	ENCINITA AVENUE	C	O	2	3,165	36	113,940			35
WORKMAN AVENUE	409	KAUFFMAN AVENUE	GOLDEN WEST AVENUE	C	O	2	418	36	15,048			35
FAIRHALL STREET	109	PAL MAL AVENUE	EAST CDS	R	O	2	384	24	10,954			34
FORTSON DRIVE	119	LOMA AVENUE	ENCINITA AVENUE	R	O	2	444	30	13,320			34
FRATUS DRIVE	120	OLIVE STREET	BLACKLEY STREET	R	O	2	577	32	18,464			34
GOLDEN WEST AVENUE	144	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,582	36	56,952			34
HALLOWELL AVENUE	155	CDS	LOWER AZUSA ROAD	R	O	2	951	35	32,903			34
HELEO AVENUE	166	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,548	32	49,536			34
LESLIE DRIVE	214	AVON AVENUE	MUSCATEL AVENUE	R	O	2	238	30	7,140			34
PENTLAND STREET	285	ALESSANDRO AVENUE	CLOVERLY AVENUE	R	O	2	734	28	20,552			34
PERSIMMON AVENUE	289	FREER STREET	GRAND AVENUE	C	O	2	1,212	34	38,784			34
RIO HONDO AVENUE	303	WORKMAN AVENUE	LIVE OAK AVENUE	R	O	2	656	36	23,616			34
RIO HONDO AVENUE	304	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,547	34	52,598			34
ROSEGLEN STREET	312	PAL MAL AVENUE	EAST CDS	R	O	2	408	24	11,506			34
WOODRUFF AVENUE	393	TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	C	O	2	396	36	14,256			34
BURGHARDT ROAD	046	CDS	MUSCATEL AVENUE	R	O	2	454	23	16,650			33
GOLDEN WEST AVENUE	140	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,274	36	45,864			33
LA ROSA DRIVE	202	CDS	PERSIMMON AVENUE	R	O	2	288	31	9,034			33
WORKMAN AVENUE	405	PRIMROSE AVENUE	TEMPLE CITY BOULEVARD	C	O	2	393	36	14,148			33
ARDEN DRIVE	011	DAINES DRIVE	OLIVE STREET	C	O	2	559	36	20,124			32
BOGUE STREET	037	CAMBURY AVENUE	BALDWIN AVENUE	R	O	2	980	28	27,440			32
GARIBALDI AVENUE	129	ROSEMEAD BOULEVARD	ENCINITA AVENUE	C	O	2	1,618	36	58,248			32
KENNERLY STREET	183	ALESSANDRO AVENUE	CLOVERLY AVENUE	R	O	2	715	28	20,020			32
ROSEVALE DRIVE	342	CDS	LA ROSA DRIVE	R	O	2	159	32	7,210			32
SPARKLETT STREET	359	PAL MAL AVENUE	EAST CDS	R	O	2	408	25	11,506			32
AGNES AVENUE	005	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,540	36	55,440			31
ALESSANDRO AVENUE	416	LA ROSA DRIVE	LOWER AZUSA ROAD	C	O	2	1,546	32	49,472			31
CAMBURY AVENUE	052	NADINE STREET	OLIVE STREET	R	O	2	411	28	11,508			31
EMPEROR AVENUE	095	WEST CITY LIMIT	ROSEMEAD BOULEVARD	C	O	2	176	38	6,688			31
GOLDEN WEST AVENUE	141	LIVE OAK AVENUE	DAINES DRIVE	C	O	2	1,176	32	37,632			31
KEY WEST STREET	187	CDS	HALIFAX ROAD	R	O	2	662	34	24,399			31
PAL MALL AVENUE	277	DAINES DRIVE	OLIVE STREET	C	O	2	557	33	20,052			31
PAL MALL AVENUE	278	OLIVE STREET	FREER STREET	C	O	2	1,040	73	41,600			31
WELLAND AVENUE	382	CITY LIMIT	DAINES DRIVE	C	O	2	1,002	34	34,068			31
WELLAND AVENUE	383	DAINES DRIVE	FREER STREET	C	O	2	1,202	34	40,868			31
WILLMONTE AVENUE	390	CDS	LOWER AZUSA ROAD	R	O	2	1,190	26	33,062			31
BUTTONS AVENUE	048	OLIVE STREET	CDS	R	O	2	286	32	9,272			30
FAIRVIEW AVENUE	110	PERSIMMON AVENUE	EAST END	R	O	2	150	33	4,500			30
GLICKMAN AVENUE	135	OLIVE STREET	GREEN STREET	C	O	2	916	36	32,976			30
LORA STREET	234	CDS	PERSIMMON AVENUE	R	O	2	304	24	8,552			30
OAK AVENUE	265	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,295	36	46,620			30
PRIMROSE AVENUE	295	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,286	36	46,296			30

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
RYLAND AVENUE	347	BOGUE STREET	DAINES DRIVE	R	O	2	785	30	23,550			30
SULTANA AVENUE	365	BROADWAY	SOUTH END	C	O	2	1,040	30	31,200			30
WORKMAN AVENUE	408	CAMELLIA AVENUE	KAUFFMAN AVENUE	C	O	2	389	36	14,004			30
DEGAS AVENUE	086	LANDSEER STREET	GREEN STREET	R	O	2	640	30	19,200			29
HALLWOOD DRIVE	156	GOLDEN WEST AVENUE	AGNES AVENUE	R	O	2	626	28	17,528			29
GIDLEY STREET	132	470 W/O CLOVERLY AVENUE	555 E/O CLOVERLY AVENUE	C	O	2	1,025	32	32,800			28
RANDWICK DRIVE	298	CDS	DEGAS AVENUE	R	O	2	463	32	18,031			28
ARROWOOD STREET	018	CDS	PERSIMMON AVENUE	R	O	2	288	24	9,034			27
BIRCHLAND PLACE	031	CDS	LOWER AZUSA ROAD	R	O	2	1,166	28	32,438			27
DUFFY STREET	088	NOEL DRIVE	LOMA AVENUE	R	O	2	297	34	9,504			27
LA ROSA DRIVE	201	ARDEN DRIVE	KEY WEST STREET	R	O	2	802	32	25,664			27
LYNROSE STREET	242	CDS	McCULLOCH AVENUE	R	O	2	330	42	10,042			27
ROSEGLEN STREET	310	ENCINITA AVENUE	CDS	R	O	2	327	22	9,316			27
MILOANN STREET	251	CDS	PERSIMMON AVENUE	R	O	2	288	24	9,034			25
ROBINHOOD AVENUE	307	CDS	OLIVE STREET	R	O	2	319	24	9,778			25
ARDENEL AVENUE	015	CDS	LA ROSA DRIVE	R	O	2	136	56	7,567			24
DAINES DRIVE	075	GOLDEN WEST AVENUE	BALDWIN AVENUE	C	O	2	1,585	28	44,380			24
NADINE STREET	259	DAINES DRIVE	ARDEN DRIVE	R	O	2	1,291	30	38,730			24
WOODRUFF AVENUE	394	CAMELLIA AVENUE	KAUFFMAN AVENUE	C	O	2	389	36	14,004			24
KEY WEST STREET	186	GOLDEN WEST AVENUE	AGNES AVENUE	R	O	2	626	28	17,528			23
MILOANN STREET	250	HALLOWELL AVENUE	HALIFAX ROAD	R	O	2	350	34	11,900			23
CLOVERLY AVENUE	062	LAS TUNAS DRIVE	LIVE OAK AVENUE	R	O	2	1,291	36	46,476			22
PAL MALL AVENUE	279	FREER STREET	KEY WEST STREET	C	O	2	1,214	32	38,848			22
WILLMONTE AVENUE	389	CDS	MILOANN STREET	R	O	2	292	26	9,253			22
CAMELLIA AVENUE	057	BLACKLEY STREET	LOWER AZUSA ROAD	R	O	2	2,469	26	64,194			21
GOLDEN WEST AVENUE	142	DAINES DRIVE	OLIVE STREET	C	O	2	722	36	25,992			21
HALIFAX ROAD	151	OLIVE STREET	FREER STREET	C	O	2	568	36	20,448			21
HOWLAND DRIVE	174	AGNES AVENUE	BALDWIN AVENUE	C	O	2	730	32	23,360			21
NADINE STREET	257	WEST CDS	EAST CDS	R	O	2	538	24	17,156			21
WOODRUFF AVENUE	391	ENCINITA AVENUE	OAK AVENUE	C	O	2	735	36	26,460			21
AGNES AVENUE	004	OLIVE STREET	LA ROSA DRIVE	C	O	2	1,462	32	46,784			20
ALESSANDRO AVENUE	008	LIVE OAK AVENUE	BROADWAY	C	O	2	910	32	29,120			20
CLOVERLY AVENUE	066	BLACKLEY STREET	LA ROSA DRIVE	C	O	2	860	34	29,240			19
GRAND AVENUE	147	EL MONTE AVENUE	SANTA ANITA AVENUE	C	O	2	2,240	32	71,680			19
OAK AVENUE	264	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,274	36	45,864			19
PENTLAND STREET	286	CLOVERLY AVENUE	CDS	R	O	2	813	28	22,764			19
AGNES AVENUE	003	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,282	36	46,152			18
HALLOWELL AVENUE	153	LIVE OAK AVENUE	DAINES DRIVE	R	O	2	1,310	36	47,160			18
BARELA AVENUE	028	BLACKLEY STREET	CAMELLIA AVENUE	R	O	2	776	30	23,280			17
HALIFAX ROAD	152	FREER STREET	LOWER AZUSA ROAD	C	O	2	2,436	32	82,824			17
KAUFFMAN AVENUE	179	GARIBALDI AVENUE	LAS TUNAS DRIVE	C	O	2	1,278	36	46,008			15
McCULLOCH AVENUE	245	LIVE OAK AVENUE	DAINES DRIVE	C	O	2	1,315	32	42,080			15
DOREEN AVENUE	087	FREER STREET	LOWER AZUSA ROAD	R	O	2	2,435	34	77,920			14
ROSEMEAD BOULEVARD FRONTAGE	313	PENTLAND STREET	S END	R	O	2	887	23	20,401			14
CAMELLIA AVENUE	056	CDS	BLACKLEY STREET	R	O	2	384	26	12,106			13

Street Name	Section ID	Beg Location	End Location	FC	Surface Type	Lanes	Length (ft)	Width (ft)	Area (sf)	Last M&R Date	Last M&R Treatment	2018 Inspected PCI
KEY WEST STREET	189	DOREEN AVENUE	EL MONTE AVENUE	R	O	2	923	35	31,382			13
FARAGO AVENUE	113	FREER STREET	GRAND AVENUE	R	O	2	1,208	32	38,656			12
GIDLEY STREET	133	555 E/O CLOVERLY AVENUE	TEMPLE CITY BOULEVARD	C	O	2	570	32	18,240			11
KAUFFMAN AVENUE	180	LAS TUNAS DRIVE	LIVE OAK AVENUE	C	O	2	1,278	36	46,008			11
PERSIMMON AVENUE	290	GRAND AVENUE	SOUTH CITY LIMIT	C	O	2	1,018	32	32,576			11
BARELA AVENUE	026	BROADWAY	NADINE STREET	R	O	2	590	34	20,060			9
GOLDEN WEST AVENUE	143	OLIVE STREET	LA ROSA DRIVE	C	O	2	1,453	36	52,308			9
BARELA AVENUE	027	OLIVE STREET	BLACKLEY STREET	R	O	2	575	30	17,250			7
CLOVERLY AVENUE	061	WOODRUFF AVENUE	LAS TUNAS DRIVE	R	O	2	617	36	22,212			7
DAINES DRIVE	074	BARELA AVENUE	CDS	C	O	2	183	52	6,514			6
KEY WEST STREET	188	HALIFAX ROAD	DOREEN AVENUE	R	O	2	414	34	14,076			5

Appendix D

Maintenance and Rehabilitation (M&R) Decision Tree

Maintenance and Rehabilitation Decision Tree

This report presents the current maintenance and rehabilitation (M&R) decision tree that exists in the database. The decision tree forms the basis for all of the budgetary computations that are included in this volume. ***Changes to the decision tree will make the results in the budget reports invalid.*** All pavement treatment unit costs relevant to the street types in the database were updated.

The decision tree lists the treatments and costs selected for preventive maintenance and rehabilitation activities. Each line represents a specific combination of functional classification and surface type.

The preventive maintenance portion of the report is identified as Condition Category I – Good. All preventive maintenance treatment listings are assigned only to sections in Condition Category I. Street sections with PCI values under this range are assigned to treatments listed in Categories II through V.

In the preventive maintenance category, a time sequence is used to identify the appropriate treatment and cost. Each preventive maintenance treatment description consists of three parts: 1) a CRACK treatment, 2) a SURFACE treatment, and 3) a RESTORATION treatment. These three parts allow the user to specify one of three different preventive maintenance treatments depending on the prior maintenance history of the section.

1. The CRACK treatment part can be used to specify the most frequent type of preventive maintenance activity planned (typically crack seals).
2. The SURFACE treatment part can be used to specify more extensive and less frequent preventive maintenance activities, such as chip seals or slurry seals. For example, a crack seal can be specified on a 3-year cycle with a slurry seal specified after seven years.
3. The RESTORATION part can be used to specify a surface restoration treatment (such as an overlay) to be performed after a specified number of surface treatments. For example, after three successive slurry seals, an overlay can be specified instead of another slurry seal.

Rehabilitation treatments are assigned to sections in Condition Categories II through V. Each line is defined by a specific combination of functional classification, surface type, and condition category.

The City adjusted the PCI thresholds for budget analysis in StreeSaver® for different functional classifications to meet the goal of improving the PCI.

- Arterial
  - Good 75-100
  - Fair 60-74
  - Poor 40-59
  - Very Poor 0-39

- Collector
  - Good 70-100
  - Fair 55-69
  - Poor 35-54
  - Very Poor 0-34
- Residential
  - Good 70-100
  - Fair 50-69
  - Poor 25-49
  - Very Poor 0-24

COLUMN	DESCRIPTION
Functional Class	Functional Classification identifying the branch number.
Surface	Surface Type identifying the branch number. Surface Type (AC = AC Pavement, AC/AC = AC Overlay of AC Pavement, AC/PCC = AC Overlay of PCC Pavement, PCC = PCC Pavement, ST = Surface treatment over gravel base/subgrade).
Condition Category	Condition Category (I through V).
Treatment Type	First Row (Crack Treatment) indicates localized treatment (e.g. crack sealing). Second Row (Surface Treatment) indicates surface treatment (e.g. microsurfacing). Third Row (Restoration Treatment) indicates surface restoration (e.g. overlay).
Treatment	Name of treatments from the "Treatment Descriptions" report.
Cost / SqYd, except Seal Cracks in LF	Average unit cost per square yard for each treatment except for “SEAL CRACKS” which is cost per linear feet.
Yrs. Between Crack Seals	First Row - number of years between successive treatment applications specified in the first row (i.e. CRACK treatment).
Yrs. Between Surface Seals	Second Row - number of years between successive treatment applications specified in the second row (i.e. SURFACE treatment).
# of Surface Seals before Overlay	Number of times that the treatment application in the second row (i.e. SURFACE treatment) will be performed prior to performing the treatment application in the third row.

Treatments highlighted in yellow indicated that a specific functional class and surface combination does not exist within the City (i.e. an AC overlay of PCC pavement arterial street, a surface-treated collector street, etc.). Therefore, treatments for these functional class and surface combination will be “Do Nothing”.

Note that the treatments assigned to each section should not be blindly followed in preparing a street maintenance program. Engineering judgment and project level analysis should be applied to ensure that the treatment is appropriate and cost effective for the section.

Decision Tree

Printed: 07/09/2018

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 - Good	Crack Treatment	DO NOTHING	$0.00	3		
			Surface Treatment	DO NOTHING	$0.00		7	
			Restoration Treatment	DO NOTHING	$0.00			2
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	AC/AC	I - Good	Crack Treatment	DO NOTHING	$0.00	3		
			Surface Treatment	DO NOTHING	$0.00		7	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Fair, Non-Load Related		2" MILL AND OVERLAY (5% DIGOUTS)	$22.25			
		III - Fair, Load Related		2" MILL AND OVERLAY (10% DIGOUTS)	$27.25			
		IV - Poor		2" MILL AND OVERLAY (15% DIGOUTS)	$32.00			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	$71.75			
	AC/PCC	I - Good	Crack Treatment	DO NOTHING	$0.00	3		
			Surface Treatment	DO NOTHING	$0.00		6	
			Restoration Treatment	DO NOTHING	$0.00			2
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	PCC	I - Good	Crack Treatment	DO NOTHING	$0.00	3		
			Surface Treatment	DO NOTHING	$0.00		7	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, Load Related		DEEP PATCH (25%)	$28.00			
		IV - Poor		DEEP PATCH (75%)	$84.00			
		V - Very Poor		RECONSTRUCT STRUCTURE (PCC)	$112.00			

Functional Class and Surface combination not used

Decision Tree

Printed: 07/09/2018

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 - Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	DO NOTHING	$0.00		7	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	AC/AC	I - Good	Crack Treatment	SEAL CRACKS	$1.00	5		
			Surface Treatment	SLURRY SEAL AND CRACK SEAL	$3.00		7	
			Restoration Treatment	2" MILL AND OVERLAY	$16.25			3
		II - Fair, Non-Load Related		SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)	$4.80			
		III - Fair, Load Related		2" MILL AND OVERLAY (5% DIGOUTS)	$20.75			
		IV - Poor		2" MILL AND OVERLAY (10% DIGOUTS)	$27.00			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	$66.25			
	AC/PCC	I - Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	DO NOTHING	$0.00		7	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	PCC	I - Good	Crack Treatment	DO NOTHING	$0.00	9		
			Surface Treatment	DO NOTHING	$0.00		99	
			Restoration Treatment	DO NOTHING	$0.00			100
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, 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

Decision Tree

Printed: 07/09/2018

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 - Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	DO NOTHING	$0.00		8	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	AC/AC	I - Good	Crack Treatment	SEAL CRACKS	$1.00	5		
			Surface Treatment	SLURRY SEAL AND CRACK SEAL	$2.90		7	
			Restoration Treatment	2" MILL AND OVERLAY	$15.75			3
		II - Fair, Non-Load Related		SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)	$4.50			
		III - Fair, Load Related		2" MILL AND OVERLAY	$15.75			
		IV - Poor		2" MILL AND OVERLAY (5% DIGOUTS)	$24.25			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	$63.75			
	AC/PCC	I - Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	DO NOTHING	$0.00		8	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	PCC	I - Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	DO NOTHING	$0.00		99	
			Restoration Treatment	DO NOTHING	$0.00			100
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, 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

Decision Tree

Printed: 07/09/2018

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 - Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	DO NOTHING	$0.00		8	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	AC/AC	I - Good	Crack Treatment	SEAL CRACKS	$1.00	5		
			Surface Treatment	SLURRY SEAL AND CRACK SEAL	$2.90		7	
			Restoration Treatment	2" MILL AND OVERLAY	$15.75			3
		II - Fair, Non-Load Related		SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)	$4.50			
		III - Fair, Load Related		2" MILL AND OVERLAY	$15.75			
		IV - Poor		2" MILL AND OVERLAY (5% DIGOUTS)	$24.25			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	$63.75			
	AC/PCC	I - Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	DO NOTHING	$0.00		8	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	PCC	I - Good	Crack Treatment	DO NOTHING	$0.00	9		
			Surface Treatment	DO NOTHING	$0.00		99	
			Restoration Treatment	DO NOTHING	$0.00			100
		II - Fair, Non-Load Related		DO NOTHING	$0.00			
		III - Fair, 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

Appendix E

Budget Needs

I. Projected PCI/Cost Summary

II. Rehabilitation Treatment/Cost Summary

III. Preventive Maintenance Treatment/Cost Summary

Budget Needs Reports

The purpose of this module is to answer the question: ***If the City had all the money in the world, what sections should be fixed and how much will it cost?*** Based on the M&R decision tree and the PCIs of the sections, the program will then select a maintenance or rehabilitation action and compute the total costs over a period of ten years. The Budget Needs represents the "ideal world" funding levels, while the Budget Scenarios reports in the next section represent the most "cost effective" prioritization possible for the actual funding levels.

A budget needs analysis has been performed. The summary results from the analysis are shown below. An interest rate of 3% and an inflation factor of 3% were used to project the costs for the next ten years. This report shows the total ten-year budget that would be required to meet the City's standards as exemplified in the M&R decision tree.

As indicated in the report, with a budget of $55.1 million over the next ten years the PCI of the street network will improve from the current level of 58 to 82 by fiscal year (FY) 2027/28. If no treatments are programmed, the weighted average PCI is projected to deteriorate to 35 by FY 2027/28.

Budget Needs reports included in this volume are listed below:

- Projected PCI/Cost Summary
- Preventative Maintenance Treatment/Cost Summary
- Rehabilitation Treatment/Cost Summary

Needs - Projected PCI / Cost Summary

This report summarizes and projects the City's network PCI values over a ten-year period, both with and without treatments applied. These costs are based on those in the M&R decision tree. It also projects the costs over a ten-year period.

COLUMN	DESCRIPTION
Year	Year in the analysis period.
PCI Treated	Projected network average PCI with all needed treatments applied.
PCI Untreated	Projected network average PCI without any treatments applied.
PM Cost	Total preventive maintenance treatment cost.
Rehab Cost	Total rehabilitation treatment cost.
Cost	The budget required for each year in the analysis period to meet the City's standard as shown on the M&R decision tree.
Total Cost	Total budget required over a ten-year period.

Needs - Projected PCI/Cost Summary

Inflation Rate = 3.00 %

Printed: 07/05/2018

Year	PCI Treated	PCI Untreated	PM Cost	Rehab Cost	Cost
2018	83	58	$56,796	$28,956,750	$29,013,546
2019	82	55	$0	$6,005,491	$6,005,491
2020	83	52	$3,396	$5,010,563	$5,013,959
2021	85	50	$7,775	$5,199,046	$5,206,821
2022	85	47	$16,311	$3,572,720	$3,589,031
2023	84	45	$244,627	$1,273,959	$1,518,586
2024	84	42	$276,676	$1,695,696	$1,972,372
2025	85	40	$1,368,419	$953,282	$2,321,701
2026	83	37	$107,649	$59,253	$166,902
2027	82	35	$181,950	$114,050	$296,000

% PM	PM Total Cost	Rehab Total Cost	Total Cost
4.11%	$2,263,599	$52,840,810	$55,104,409

Needs - Rehabilitation Treatment/Cost Summary

This report summarizes each rehabilitation treatment type, quantity of pavement affected, and total costs over the ten-year period. It also summarizes the total quantities and costs over the next ten years.

COLUMN	DESCRIPTION
Treatment	Type of rehabilitation treatments needed.
Year	Year in the analysis period (i.e. 2017, 2018, 2019, etc).
Area Treated	Quantities in square yard.
Cost	Rehabilitation treatment cost.

Needs - Rehabilitation
Treatment/Cost Summary

Inflation Rate = 3.00 % Printed: 07/05/2018

Treatment	Year		Area Treated		Cost
2" MILL AND OVERLAY	2018		8,928.78	sq.yd.	$140,629
	2020		673.11	sq.yd.	$11,248
		Total	9,601.89	sq.yd.	$151,877
2" MILL AND OVERLAY (10% DIGOUTS)	2018		135,761.44	sq.yd.	$3,667,875
	2019		11,746.89	sq.yd.	$327,456
	2020		30,045.33	sq.yd.	$862,012
	2021		5,430.67	sq.yd.	$161,711
	2022		2,031.56	sq.yd.	$62,309
	2023		15,660.67	sq.yd.	$494,725
	2024		2,031.56	sq.yd.	$66,103
	2025		10,344	sq.yd.	$346,670
		Total	213,052.11	sq.yd.	$5,988,861
2" MILL AND OVERLAY (15% DIGOUTS)	2018		72,057.33	sq.yd.	$2,305,838
	2019		24,666.67	sq.yd.	$813,014
		Total	96,724	sq.yd.	$3,118,852
2" MILL AND OVERLAY (5% DIGOUTS)	2018		177,134.89	sq.yd.	$4,079,540
	2019		10,693.11	sq.yd.	$251,474
	2020		18,020.11	sq.yd.	$449,999
	2021		13,944.89	sq.yd.	$358,319
	2022		17,942.22	sq.yd.	$452,502
	2024		9,321.78	sq.yd.	$257,130
	2025		3,653.33	sq.yd.	$99,973
	2026		2,102.22	sq.yd.	$59,253
		Total	252,812.56	sq.yd.	$6,008,190
DEEP PATCH (25%)	2027		2,799.33	sq.yd.	$102,270
		Total	2,799.33	sq.yd.	$102,270
SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)	2018		14,890.67	sq.yd.	$71,477
	2019		12,316.56	sq.yd.	$60,897
	2020		9,859.56	sq.yd.	$50,211
	2022		5,258.67	sq.yd.	$28,410
	2023		6,912	sq.yd.	$38,462
	2024		12,316.56	sq.yd.	$70,596
	2025		6,464	sq.yd.	$38,161
	2027		1,880.89	sq.yd.	$11,780
		Total	69,898.89	sq.yd.	$369,994
SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)	2018		22,797.33	sq.yd.	$102,588
	2019		9,243.33	sq.yd.	$42,846
	2020		2,359.56	sq.yd.	$11,266
	2021		9,964.89	sq.yd.	$49,003
	2023		13,935.78	sq.yd.	$72,702
		Total	58,300.89	sq.yd.	$278,405
RECONSTRUCT STRUCTURE (AC)	2018		280,854.11	sq.yd.	$18,588,803
	2019		66,571.11	sq.yd.	$4,509,804
	2020		51,208.11	sq.yd.	$3,625,827
	2021		64,746.56	sq.yd.	$4,630,013
	2022		41,414.56	sq.yd.	$3,029,499
	2023		9,039.67	sq.yd.	$668,070

Needs - Rehabilitation
Treatment/Cost Summary

Inflation Rate = 3.00 %

Printed: 07/05/2018

Treatment	Year		Area Treated		Cost
	2024		17,102.56	sq.yd.	$1,301,867
	2025		5,975.11	sq.yd.	$468,478
		Total	536,911.78	sq.yd.	$36,822,361

Total Cost $52,840,810

Needs - Preventive Maintenance Treatment/Cost Summary

This report summarizes each preventive maintenance treatment type, quantity of pavement affected, and total costs over the ten-year period. It also summarizes the total quantities and costs over the next ten years.

COLUMN	DESCRIPTION
Treatment	Type of preventive maintenance treatments needed.
Year	Year in the analysis period (i.e. 2017, 2018, 2019, etc).
Area Treated	Quantities in linear feet (Seal Cracks) or square yard (REAS).
Cost	Maintenance treatment cost.

Needs - Preventive Maintenance Treatment/Cost Summary

Inflation Rate = 3.00 % Printed: 07/05/2018

Treatment	Year	Area Treated		Cost
2" MILL AND OVERLAY	2025	1,514.67	sq.yd.	$30,272
	Total	1,514.67		$30,272
SEAL CRACKS	2020	379.73	ft.	$404
	2021	1,861.1	ft.	$2,039
	2022	2,146.7	ft.	$2,426
	2023	6,332.72	ft.	$7,395
	2024	711.05	ft.	$857
	2025	937.78	ft.	$1,162
	2026	484.21	ft.	$619
	2027	663.4	ft.	$871
	Total	13,516.7		$15,773
SLURRY SEAL AND CRACK SEAL	2018	18,985.78	sq.yd.	$56,796
	2020	940	sq.yd.	$2,992
	2021	1,809.78	sq.yd.	$5,736
	2022	4,253.78	sq.yd.	$13,885
	2023	68,211.56	sq.yd.	$237,232
	2024	77,561.33	sq.yd.	$275,819
	2025	367,054	sq.yd.	$1,336,985
	2026	28,681.33	sq.yd.	$107,030
	2027	46,838.11	sq.yd.	$181,079
	Total	614,335.67		$2,217,554
	Total Quantity	629,367.03		$2,263,599

Appendix F

Scenario 1-5

I. Cost Summary

II. Network Condition Summary

Scenarios - Cost Summary

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario 1: City's Budget

Year	PM	Budget	Rehabilitation		Preventative Maintenance	Surplus PM	Deferred		Stop Gap
2018	2%	$1,601,215	II $751,067	Non-Project	$26,285	$1,715	$26,598,024	Funded	$0
			III $233,302					Unmet	$274,214
			IV $375,844	Project	$0				
			V $0						
			Total $1,360,213						
			Project $0						
2019	0%	$1,400,000	II $103,743	Non-Project	$0	$0	$29,358,042	Funded	$0
			III $210,430					Unmet	$61,733
			IV $1,084,328	Project	$0				
			V $0						
			Total $1,398,501						
			Project $0						
2020	0%	$1,400,000	II $59,853	Non-Project	$3,396	$0	$32,493,320	Funded	$0
			III $432,532					Unmet	$50,077
			IV $899,831	Project	$0				
			V $0						
			Total $1,392,216						
			Project $0						
2021	0%	$1,400,000	II $37,954	Non-Project	$1,217	$0	$35,887,621	Funded	$0
			III $275,698					Unmet	$56,408
			IV $1,085,129	Project	$0				
			V $0						
			Total $1,398,781						
			Project $0						
2022	2%	$1,400,000	II $56,093	Non-Project	$22,863	$5,137	$41,866,732	Funded	$0
			III $186,742					Unmet	$36,989
			IV $1,128,329	Project	$0				
			V $0						
			Total $1,371,164						
			Project $0						
2023	10%	$1,400,000	II $94,434	Non-Project	$166,451	$0	$44,746,994	Funded	$0
			III $85,588					Unmet	$324,564
			IV $1,048,983	Project	$0				
			V $0						
			Total $1,229,005						
			Project $0						

Year	PM	Budget		Rehabilitation		Preventative Maintenance	Surplus PM	Deferred		Stop Gap
2024	14%	$1,400,000	II	$119,977	Non-Project	$197,831	$0	$48,270,397	Funded	$0
			III	$321,231					Unmet	$91,922
			IV	$256,911	Project	$0				
			V	$500,973						
			Total	$1,199,092						
			Project	$0						
2025	15%	$1,400,000	II	$50,632	Non-Project	$211,264	$0	$51,397,779	Funded	$0
			III	$445,355					Unmet	$67,396
			IV	$0	Project	$0				
			V	$691,515						
			Total	$1,187,502						
			Project	$0						
2026	15%	$1,400,000	II	$154,646	Non-Project	$218,466	$0	$54,447,216	Funded	$0
			III	$181,446					Unmet	$93,532
			IV	$0	Project	$0				
			V	$844,049						
			Total	$1,180,141						
			Project	$0						
2027	8%	$1,400,000	II	$160,385	Non-Project	$153,846	$0	$56,581,859	Funded	$0
			III	$102,270					Unmet	$57,885
			IV	$0	Project	$0				
			V	$981,819						
			Total	$1,244,474						
			Project	$0						

Summary

Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	$5,069,899	$201,215	$0	$87,734
Collector	$5,855,578	$868,053	$0	$713,094
Residential/Local	$2,035,612	$133,566	$0	$313,891
Grand Total:	$12,961,089	$1,001,619	$0	$1,114,720

Scenario 1: City's Budget

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2018	$1,400,000	0%	2022	$1,400,000	2%	2026	$1,400,000	15%
2019	$1,400,000	0%	2023	$1,400,000	10%	2027	$1,400,000	8%
2020	$1,400,000	0%	2024	$1,400,000	14%			
2021	$1,400,000	0%	2025	$1,400,000	15%			

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment	Treated Centerline Miles	Treated Lane Miles
2018	59	61	7.70	16.64
2019	55	58	2.74	7.09
2020	53	57	3.17	7.28
2021	50	56	4.22	9.83
2022	48	55	7.85	16.53
2023	45	54	9.59	19.18
2024	43	53	6.00	12.62
2025	40	51	6.02	12.72
2026	38	50	5.49	10.98
2027	35	49	6.21	12.42

Percent Network Area by Functional Class and Condition Category

Condition in base year 2018, prior to applying treatments.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	15.5%	14.3%	4.1%	0.0%	33.8%
II / III	3.3%	6.1%	4.2%	0.0%	13.6%
IV	5.2%	18.1%	11.7%	0.0%	35.0%
V	1.9%	11.7%	4.0%	0.0%	17.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Condition in year 2018 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	17.8%	15.7%	5.7%	0.0%	39.3%
II / III	1.6%	4.8%	2.5%	0.0%	8.9%
IV	4.5%	18.0%	11.7%	0.0%	34.2%
V	1.9%	11.7%	4.0%	0.0%	17.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Condition in year 2027 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	22.6%	23.5%	9.2%	0.0%	55.4%
II / III	0.3%	0.1%	0.0%	0.0%	0.4%
IV	0.0%	0.0%	1.9%	0.0%	1.9%
V	2.9%	26.6%	12.9%	0.0%	42.4%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Scenarios Criteria: Functional Class <> O - Other

Scenarios - Cost Summary

Interest: 3.00% Inflation: 3.00% Printed: 07/05/2018

Scenario 2: Maintain PCI 58

Year	PM	Budget	Rehabilitation		Preventative Maintenance	Surplus PM	Deferred		Stop Gap
2018	0%	$2,500,000	II $751,067	Non-Project	$1,157	$0	$25,485,789	Funded	$0
			III $330,615					Unmet	$267,048
			IV $1,415,896	Project	$0				
			V $0						
			Total $2,497,578						
			Project $0						
2019	0%	$2,500,000	II $103,743	Non-Project	$0	$0	$27,701,047	Funded	$0
			III $110,197					Unmet	$56,651
			IV $2,280,167	Project	$0				
			V $0						
			Total $2,494,107						
			Project $0						
2020	0%	$2,500,000	II $59,853	Non-Project	$3,396	$0	$30,011,481	Funded	$0
			III $700,200					Unmet	$50,077
			IV $1,735,186	Project	$0				
			V $0						
			Total $2,495,239						
			Project $0						
2021	0%	$2,500,000	II $37,954	Non-Project	$7,775	$0	$33,318,429	Funded	$0
			III $98,225					Unmet	$56,764
			IV $2,349,921	Project	$0				
			V $0						
			Total $2,486,100						
			Project $0						
2022	0%	$2,500,000	II $28,410	Non-Project	$2,426	$0	$37,844,220	Funded	$0
			III $571,453					Unmet	$34,091
			IV $629,268	Project	$0				
			V $1,261,701						
			Total $2,490,832						
			Project $0						
2023	4%	$2,500,000	II $94,434	Non-Project	$98,805	$1,195	$38,764,726	Funded	$0
			III $298,624					Unmet	$270,059
			IV $0	Project	$0				
			V $2,004,297						
			Total $2,397,355						
			Project $0						

Year	PM	Budget		Rehabilitation		Preventative Maintenance	Surplus PM	Deferred		Stop Gap
2024	5%	$2,500,000	II	$122,821	Non-Project	$128,486	$0	$39,455,372	Funded	$0
			III	$249,521					Unmet	$65,624
			IV	$158,364	Project	$0				
			V	$1,837,755						
			Total	$2,368,461						
			Project	$0						
2025	6%	$2,500,000	II	$190,922	Non-Project	$169,870	$0	$40,280,434	Funded	$0
			III	$934,028					Unmet	$48,982
			IV	$0	Project	$0				
			V	$1,204,697						
			Total	$2,329,647						
			Project	$0						
2026	7%	$2,500,000	II	$5,090	Non-Project	$178,717	$0	$42,210,478	Funded	$0
			III	$420,847					Unmet	$76,041
			IV	$0	Project	$0				
			V	$1,893,921						
			Total	$2,319,858						
			Project	$0						
2027	8%	$2,500,000	II	$152,645	Non-Project	$198,264	$1,736	$42,875,392	Funded	$0
			III	$174,503					Unmet	$49,680
			IV	$0	Project	$0				
			V	$1,972,245						
			Total	$2,299,393						
			Project	$0						

Summary

Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	$6,438,500	$0	$0	$61,544
Collector	$14,758,155	$773,561	$0	$603,159
Residential/Local	$2,981,915	$15,335	$0	$310,316
Grand Total:	$24,178,570	$788,896	$0	$975,019

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2018	$2,500,000	0%	2022	$2,500,000	0%	2026	$2,500,000	7%
2019	$2,500,000	0%	2023	$2,500,000	4%	2027	$2,500,000	8%
2020	$2,500,000	0%	2024	$2,500,000	5%			
2021	$2,500,000	0%	2025	$2,500,000	6%			

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment	Treated Centerline Miles	Treated Lane Miles
2018	59	61	8.44	19.72
2019	55	60	3.80	10.80
2020	53	60	5.81	11.61
2021	50	60	7.96	15.92
2022	47	60	7.38	16.05
2023	45	59	8.37	16.75
2024	42	59	6.41	12.83
2025	40	58	10.34	21.31
2026	37	58	8.78	17.78
2027	35	58	7.54	15.08

Percent Network Area by Functional Class and Condition Category

Condition in base year 2018, prior to applying treatments.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	14.9%	14.3%	4.1%	0.0%	33.2%
II / III	3.9%	6.1%	4.2%	0.0%	14.2%
IV	5.2%	18.1%	11.7%	0.0%	35.0%
V	1.9%	11.7%	4.0%	0.0%	17.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Condition in year 2018 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	19.8%	16.2%	5.7%	0.0%	41.7%
II / III	1.6%	4.5%	2.5%	0.0%	8.6%
IV	2.5%	17.9%	11.7%	0.0%	32.1%
V	1.9%	11.7%	4.0%	0.0%	17.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Condition in year 2027 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	23.7%	32.8%	11.2%	0.0%	67.7%
II / III	0.3%	0.1%	0.0%	0.0%	0.4%
V	1.9%	17.3%	12.8%	0.0%	32.0%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Scenarios Criteria: Functional Class <> O - Other

Scenarios - Cost Summary

Interest: 3.00% Inflation: 3.00% Printed: 07/05/2018

Scenario 3: Improve PCI to 65

Year	PM	Budget	Rehabilitation		Preventative Maintenance	Surplus PM	Deferred		Stop Gap
2018	0%	$3,400,000	II $751,067	Non-Project	$8,681	$0	$24,588,324	Funded	$0
			III $330,615					Unmet	$261,615
			IV $2,305,838	Project	$0				
			V $0						
			Total $3,387,520						
			Project $0						
2019	0%	$3,400,000	II $103,743	Non-Project	$0	$0	$25,757,731	Funded	$0
			III $211,332					Unmet	$56,651
			IV $3,083,032	Project	$0				
			V $0						
			Total $3,398,107						
			Project $0						
2020	0%	$3,400,000	II $59,853	Non-Project	$3,396	$0	$27,900,287	Funded	$0
			III $596,031					Unmet	$44,806
			IV $2,732,933	Project	$0				
			V $0						
			Total $3,388,817						
			Project $0						
2021	0%	$3,400,000	II $37,954	Non-Project	$27,012	$0	$30,196,922	Funded	$0
			III $181,303					Unmet	$54,481
			IV $587,594	Project	$0				
			V $2,558,336						
			Total $3,365,187						
			Project $0						
2022	0%	$3,400,000	II $28,410	Non-Project	$841	$0	$33,913,253	Funded	$0
			III $290,265					Unmet	$34,091
			IV $213,154	Project	$0				
			V $2,867,337						
			Total $3,399,166						
			Project $0						
2023	5%	$3,400,000	II $106,190	Non-Project	$168,610	$1,390	$33,235,706	Funded	$0
			III $515,565					Unmet	$224,270
			IV $0	Project	$0				
			V $2,605,808						
			Total $3,227,563						
			Project $0						

Year	PM	Budget	Rehabilitation		Preventative Maintenance	Surplus PM	Deferred		Stop Gap
2024	7%	$3,400,000	II $93,453	Non-Project	$250,493	$0	$32,767,572	Funded	$0
			III $199,835					Unmet	$59,044
			IV $158,364	Project	$0				
			V $2,693,633						
			Total $3,145,285						
			Project $0						
2025	8%	$3,400,000	II $178,451	Non-Project	$287,550	$0	$32,331,505	Funded	$0
			III $755,053					Unmet	$43,786
			IV $0	Project	$0				
			V $2,177,995						
			Total $3,111,499						
			Project $0						
2026	9%	$3,400,000	II $0	Non-Project	$327,306	$0	$33,045,122	Funded	$0
			III $363,630					Unmet	$66,527
			IV $0	Project	$0				
			V $2,708,198						
			Total $3,071,828						
			Project $0						
2027	9%	$3,400,000	II $65,411	Non-Project	$308,515	$0	$31,380,541	Funded	$0
			III $174,503					Unmet	$34,418
			IV $0	Project	$0				
			V $2,849,951						
			Total $3,089,865						
			Project $0						

Summary

Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	$8,680,160	$0	$0	$29,085
Collector	$20,702,565	$1,252,613	$0	$560,036
Residential/Local	$3,202,112	$129,791	$0	$290,569
Grand Total:	$32,584,837	$1,382,404	$0	$879,690

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2018	$3,400,000	0%	2022	$3,400,000	0%	2026	$3,400,000	9%
2019	$3,400,000	0%	2023	$3,400,000	5%	2027	$3,400,000	9%
2020	$3,400,000	0%	2024	$3,400,000	7%			
2021	$3,400,000	0%	2025	$3,400,000	8%			

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment	Treated Centerline Miles	Treated Lane Miles
2018	59	62	9.24	23.11
2019	55	62	6.71	14.82
2020	53	63	7.38	14.76
2021	50	63	6.46	14.40
2022	47	63	4.89	11.08
2023	45	63	11.76	23.51
2024	42	64	11.89	24.40
2025	40	64	13.54	27.29
2026	37	64	8.89	17.79
2027	35	65	7.28	14.56

Percent Network Area by Functional Class and Condition Category

Condition in base year 2018, prior to applying treatments.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	14.9%	14.3%	4.1%	0.0%	33.2%
II / III	3.9%	6.1%	4.2%	0.0%	14.2%
IV	5.2%	18.1%	11.7%	0.0%	35.0%
V	1.9%	11.7%	4.0%	0.0%	17.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Condition in year 2018 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	21.8%	15.9%	5.7%	0.0%	43.5%
II / III	1.6%	4.5%	2.5%	0.0%	8.6%
IV	0.5%	18.1%	11.7%	0.0%	30.3%
V	1.9%	11.7%	4.0%	0.0%	17.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Condition in year 2027 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	25.5%	38.1%	12.4%	0.0%	76.1%
II / III	0.3%	0.1%	0.0%	0.0%	0.4%
V	0.0%	12.0%	11.6%	0.0%	23.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Scenarios Criteria: Functional Class <> O - Other

Scenarios - Cost Summary

Interest: 3.00% Inflation: 3.00% Printed: 07/05/2018

Scenario 4: Improve PCI to 75

Year	PM	Budget	Rehabilitation			Preventative Maintenance	Surplus PM	Deferred		Stop Gap
2018	0%	$4,600,000	II	$751,067	Non-Project	$1,157	$0	$23,385,716	Funded	$0
			III	$437,602					Unmet	$252,704
			IV	$3,408,985	Project	$0				
			V	$0						
			Total	$4,597,654						
			Project	$0						
2019	0%	$4,600,000	II	$103,743	Non-Project	$0	$0	$24,458,993	Funded	$0
			III	$409,014					Unmet	$56,651
			IV	$4,081,649	Project	$0				
			V	$0						
			Total	$4,594,406						
			Project	$0						
2020	0%	$4,600,000	II	$59,853	Non-Project	$3,396	$0	$25,355,122	Funded	$0
			III	$454,939					Unmet	$34,982
			IV	$2,047,969	Project	$0				
			V	$2,033,518						
			Total	$4,596,279						
			Project	$0						
2021	0%	$4,600,000	II	$37,954	Non-Project	$7,775	$0	$26,428,619	Funded	$0
			III	$56,867					Unmet	$54,481
			IV	$233,673	Project	$0				
			V	$4,251,358						
			Total	$4,579,852						
			Project	$0						
2022	0%	$4,600,000	II	$28,410	Non-Project	$16,311	$0	$26,133,752	Funded	$0
			III	$427,309					Unmet	$34,091
			IV	$213,154	Project	$0				
			V	$3,912,134						
			Total	$4,581,007						
			Project	$0						
2023	4%	$4,600,000	II	$94,434	Non-Project	$185,059	$0	$23,792,798	Funded	$0
			III	$298,624					Unmet	$135,336
			IV	$0	Project	$0				
			V	$4,020,806						
			Total	$4,413,864						
			Project	$0						

Year	PM	Budget		Rehabilitation		Preventative Maintenance	Surplus PM	Deferred		Stop Gap
2024	5%	$4,600,000	II	$70,596	Non-Project	$254,128	$0	$21,915,665	Funded	$0
			III	$249,521					Unmet	$47,605
			IV	$158,364	Project	$0				
			V	$3,866,196						
			Total	$4,344,677						
			Project	$0						
2025	9%	$4,600,000	II	$190,922	Non-Project	$434,813	$0	$19,850,855	Funded	$0
			III	$755,053					Unmet	$28,972
			IV	$0	Project	$0				
			V	$3,219,190						
			Total	$4,165,165						
			Project	$0						
2026	10%	$4,600,000	II	$0	Non-Project	$460,931	$0	$19,169,632	Funded	$0
			III	$363,630					Unmet	$55,206
			IV	$0	Project	$0				
			V	$3,773,610						
			Total	$4,137,240						
			Project	$0						
2027	10%	$4,600,000	II	$65,411	Non-Project	$484,659	$0	$15,766,088	Funded	$0
			III	$174,503					Unmet	$18,561
			IV	$0	Project	$0				
			V	$3,873,896						
			Total	$4,113,810						
			Project	$0						

Summary

Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	$8,643,832	$0	$0	$22,600
Collector	$32,275,634	$1,437,527	$0	$412,208
Residential/Local	$3,204,488	$410,702	$0	$283,780
Grand Total:	$44,123,954	$1,848,229	$0	$718,589

Scenario 4: Improve PCI to 75

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2018	$4,600,000	0%	2022	$4,600,000	0%	2026	$4,600,000	10%
2019	$4,600,000	0%	2023	$4,600,000	4%	2027	$4,600,000	10%
2020	$4,600,000	0%	2024	$4,600,000	5%			
2021	$4,600,000	0%	2025	$4,600,000	9%			

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment	Treated Centerline Miles	Treated Lane Miles
2018	59	64	11.51	27.66
2019	55	65	9.12	19.64
2020	53	66	7.08	14.62
2021	50	67	6.41	14.30
2022	47	68	8.28	17.40
2023	45	69	13.24	26.47
2024	42	70	15.16	30.93
2025	40	72	14.74	29.70
2026	37	73	10.14	20.27
2027	35	75	10.58	21.17

Percent Network Area by Functional Class and Condition Category

Condition in base year 2018, prior to applying treatments.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	14.9%	14.3%	4.1%	0.0%	33.2%
II / III	3.9%	6.1%	4.2%	0.0%	14.2%
IV	5.2%	18.1%	11.7%	0.0%	35.0%
V	1.9%	11.7%	4.0%	0.0%	17.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Condition in year 2018 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	21.8%	18.7%	5.9%	0.0%	46.5%
II / III	1.6%	4.2%	2.5%	0.0%	8.3%
IV	0.5%	15.7%	11.5%	0.0%	27.7%
V	1.9%	11.7%	4.0%	0.0%	17.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Condition in year 2027 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	25.5%	49.4%	12.6%	0.0%	87.6%
II / III	0.3%	0.1%	0.0%	0.0%	0.4%
V	0.0%	0.7%	11.3%	0.0%	12.1%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Scenarios Criteria: Functional Class <> O - Other

Scenarios - Cost Summary

Interest: 3.00% Inflation: 3.00% Printed: 07/05/2018

Scenario 5: Improve PCI to 80

Year	PM	Budget	Rehabilitation			Preventative Maintenance	Surplus PM	Deferred		Stop Gap
2018	0%	$5,200,000	II	$751,067	Non-Project	$7,524	$0	$22,784,789	Funded	$0
			III	$437,602					Unmet	$247,917
			IV	$4,003,546	Project	$0				
			V	$0						
			Total	$5,192,215						
			Project	$0						
2019	0%	$5,200,000	II	$103,743	Non-Project	$1,191	$0	$23,833,808	Funded	$0
			III	$409,014					Unmet	$56,505
			IV	$4,682,786	Project	$0				
			V	$0						
			Total	$5,195,543						
			Project	$0						
2020	0%	$5,200,000	II	$59,853	Non-Project	$404	$0	$24,113,146	Funded	$0
			III	$454,939					Unmet	$34,982
			IV	$1,412,009	Project	$0				
			V	$3,270,504						
			Total	$5,197,305						
			Project	$0						
2021	0%	$5,200,000	II	$37,954	Non-Project	$30,094	$0	$24,491,575	Funded	$0
			III	$0					Unmet	$54,481
			IV	$233,673	Project	$0				
			V	$4,895,073						
			Total	$5,166,700						
			Project	$0						
2022	0%	$5,200,000	II	$28,410	Non-Project	$16,311	$0	$23,419,096	Funded	$0
			III	$290,265					Unmet	$34,091
			IV	$213,154	Project	$0				
			V	$4,651,446						
			Total	$5,183,275						
			Project	$0						
2023	3%	$5,200,000	II	$94,434	Non-Project	$168,881	$0	$20,008,103	Funded	$0
			III	$298,624					Unmet	$105,145
			IV	$0	Project	$0				
			V	$4,630,990						
			Total	$5,024,048						
			Project	$0						

Year	PM	Budget	Rehabilitation		Preventative Maintenance	Surplus PM	Deferred		Stop Gap
2024	4%	$5,200,000	II $70,596	Non-Project	$206,205	$1,795	$17,418,737	Funded	$0
			III $249,521					Unmet	$42,017
			IV $158,364	Project	$0				
			V $4,513,303						
			Total $4,991,784						
			Project $0						
2025	8%	$5,200,000	II $190,922	Non-Project	$428,704	$0	$14,712,360	Funded	$0
			III $755,053					Unmet	$20,364
			IV $0	Project	$0				
			V $3,825,261						
			Total $4,771,236						
			Project $0						
2026	8%	$5,200,000	II $0	Non-Project	$439,067	$0	$11,895,787	Funded	$0
			III $363,630					Unmet	$27,040
			IV $0	Project	$0				
			V $4,397,143						
			Total $4,760,773						
			Project $0						
2027	8%	$5,200,000	II $156,004	Non-Project	$431,121	$0	$7,613,795	Funded	$0
			III $174,503					Unmet	$8,125
			IV $0	Project	$0				
			V $4,436,979						
			Total $4,767,486						
			Project $0						

Summary

Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	$8,577,666	$0	$0	$22,600
Collector	$32,138,025	$1,492,283	$0	$361,339
Residential/Local	$9,534,674	$237,219	$0	$246,727
Grand Total:	$50,250,365	$1,729,502	$0	$630,666

Scenario 5: Improve PCI to 80

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2018	$5,200,000	0%	2022	$5,200,000	0%	2026	$5,200,000	8%
2019	$5,200,000	0%	2023	$5,200,000	3%	2027	$5,200,000	8%
2020	$5,200,000	0%	2024	$5,200,000	4%			
2021	$5,200,000	0%	2025	$5,200,000	8%			

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment	Treated Centerline Miles	Treated Lane Miles
2018	59	65	12.76	30.15
2019	55	67	10.22	21.84
2020	53	67	6.00	13.95
2021	50	69	7.85	15.71
2022	47	70	8.62	18.07
2023	45	72	14.49	28.98
2024	42	74	16.26	32.53
2025	40	76	13.65	28.13
2026	37	78	10.34	20.68
2027	35	80	11.09	22.19

Percent Network Area by Functional Class and Condition Category

Condition in base year 2018, prior to applying treatments.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	14.9%	14.3%	4.1%	0.0%	33.2%
II / III	3.9%	6.1%	4.2%	0.0%	14.2%
IV	5.2%	18.1%	11.7%	0.0%	35.0%
V	1.9%	11.7%	4.0%	0.0%	17.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Condition in year 2018 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	21.8%	19.0%	7.2%	0.0%	48.0%
II / III	1.6%	4.2%	2.5%	0.0%	8.3%
IV	0.5%	15.3%	10.3%	0.0%	26.1%
V	1.9%	11.7%	4.0%	0.0%	17.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Condition in year 2027 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	25.5%	50.1%	18.3%	0.0%	94.0%
II / III	0.3%	0.1%	0.0%	0.0%	0.4%
V	0.0%	0.0%	5.6%	0.0%	5.6%
Total	25.8%	50.2%	24.0%	0.0%	100.0%

Scenarios Criteria: Functional Class <> O - Other

Appendix G

Sections Selected for Treatment and GIS Maps

Under Scenario 1 City's Budget

Sections Selected for Treatment

The purpose of this list is to provide the City with potential candidates for treatment based on each section's functional classification, PCI, treatment history, and available funding. It is to serve as a general guide for potential street maintenance treatments and engineering judgment and project level analysis should be applied to ensure that the selected treatment is appropriate and cost effective.

The street section listed as part of the "Treatment from Project Selection" is Rosemead Boulevard and it is scheduled to be completed by the end of 2018. Since the budget comes from FY 2017/18 funding, it has no impact on the available budget for each scenario and their construction costs are listed as $0.

Scenarios - Sections Selected for Treatment

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario: City's Budget

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2018	$1,400,000	0%	2022	$1,400,000	2%	2026	$1,400,000	15%
2019	$1,400,000	0%	2023	$1,400,000	10%	2027	$1,400,000	8%
2020	$1,400,000	0%	2024	$1,400,000	14%			
2021	$1,400,000	0%	2025	$1,400,000	15%			

Year: 2018

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
ALESSANDRO AVENUE	GARIBALDI AVENUE	LAS TUNAS DRIVE	ALESSANDRO	006	1,270	36	45,720	R	AC/AC	63	64	74	$22,860	24,364	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
LEMON AVENUE	NCL	LONGDEN AVENUE	LEMON	210	135	26	3,510	R	AC/AC	59	60	70	$1,755	28,930	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
NOEL DRIVE	NORTH END	BROADWAY	NOEL	260	1,848	36	62,832	R	AC/AC	65	66	75	$31,416	24,641	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
ROWLAND AVENUE	WENDON AVENUE	FLAHERTY STREET	ROWLAND	343	368	30	10,304	R	AC/AC	61	62	72	$5,152	30,076	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
TRELAWNEY AVENUE	LEMON AVENUE	SOUTH END	TRELAWNEY	375	878	36	33,730	R	AC/AC	66	67	76	$16,865	24,776	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
											Treatment Total		$78,048		
KAUFFMAN AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	KAUFFMAN	178	1,278	32	40,896	C	AC/AC	59	61	71	$21,812	26,135	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
LEMON AVENUE	TEMPLE CITY BOULEVARD	EAST CITY LIMIT	LEMON	213	1,944	32	62,208	C	AC/AC	67	69	78	$33,178	28,390	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
LIVIA AVENUE	WOOLLEY STREET	LONGDEN AVENUE	LIVIA	221	480	36	17,280	C	AC/AC	60	62	72	$9,216	26,416	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
PRIMROSE AVENUE	FLAHERTY STREET	GARIBALDI AVENUE	PRIMROSE	293	426	32	13,632	C	AC/AC	60	62	72	$7,271	26,421	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
											Treatment Total		$71,477		
BIDWELL STREET	LOMA AVENUE	ENCINITA AVENUE	BIDWELL	030	347	32	11,104	R	AC/AC	59	60	100	$19,432	22,704	2" MILL AND OVERLAY
ESTRELLA AVENUE	SALTER AVENUE	EAST CITY LIMIT	ESTRELLA	107	377	28	10,556	R	AC/AC	61	62	100	$18,473	21,618	2" MILL AND OVERLAY
FLAHERTY STREET	CLOVERLY AVENUE	PRIMROSE AVENUE	FLAHERTY	117	582	30	17,460	R	AC/AC	64	65	100	$30,555	21,196	2" MILL AND OVERLAY
PARMERTON AVENUE	DANESWOOD DRIVE	DAINES DRIVE	PARMERTON	281	487	30	14,610	R	AC/AC	64	65	100	$25,568	21,221	2" MILL AND OVERLAY

Year: 2018

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
SAINT JAMES DRIVE	CDS	GARIBALDI AVENUE	SAINTJAMES	349	173	30	8,553	R	AC/AC	67	68	100	$14,968	19,590	2" MILL AND OVERLAY
SPARKLETT STREET	TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	SPARKLETT	356	367	28	10,276	R	AC/AC	67	68	100	$17,983	19,588	2" MILL AND OVERLAY
											Treatment Total		$126,979		
ENCINITA AVENUE	WOODRUFF AVENUE	LAS TUNAS DRIVE	ENCINITA	102	627	36	22,572	C	AC/AC	73	74	82	$7,524	46,154	SLURRY SEAL AND CRACK SEAL
ENCINITA AVENUE	EATON WASH	SPRR (SOUTH CITY LIMIT)	ENCINITA	106	1,467	36	52,812	C	AC/AC	74	75	83	$17,604	45,993	SLURRY SEAL AND CRACK SEAL
FAIRVIEW AVENUE	WEST END	McCLINTOCK AVENUE	FAIRVIEW	111	138	26	3,588	R	AC/AC	79	80	87	$1,157	35,803	SLURRY SEAL AND CRACK SEAL
											Treatment Total		$26,285		
LIVE OAK AVENUE	TEMPLE CITY BOULEVARD	BALDWIN AVENUE	LIVEOAK	216	2,582	34	87,788	A	AC/AC	49	51	100	$312,136	21,433	2" MILL AND OVERLAY (15% DIGOUTS)
											Treatment Total		$312,136		
LEMON AVENUE	ENCINITA AVENUE	OAK AVENUE	LEMON	211	252	32	8,064	C	AC/AC	43	45	100	$24,192	19,012	2" MILL AND OVERLAY (10% DIGOUTS)
LOMA AVENUE	HERMOSA DRIVE	LAS TUNAS DRIVE	LOMA	225	292	26	7,592	C	AC/AC	43	45	100	$22,776	19,006	2" MILL AND OVERLAY (10% DIGOUTS)
WORKMAN AVENUE	ALLEY E/O TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	WORKMAN	407	155	36	5,580	C	AC/AC	43	45	100	$16,740	19,003	2" MILL AND OVERLAY (10% DIGOUTS)
											Treatment Total		$63,708		
GOLDEN WEST AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	GOLDENWEST	138	1,281	36	46,116	C	AC/AC	58	60	100	$106,323	20,826	2" MILL AND OVERLAY (5% DIGOUTS)
LAS TUNAS DRIVE	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	LASTUNAS	204	1,045	101	105,050	A	AC/AC	65	67	100	$259,707	23,507	2" MILL AND OVERLAY (5% DIGOUTS)
LAS TUNAS DRIVE	ROSEMEAD BOULEVARD	SULTANA AVENUE	LASTUNAS	205	585	100	58,710	A	AC/AC	65	67	100	$145,145	23,507	2" MILL AND OVERLAY (5% DIGOUTS)
LIVE OAK AVENUE	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	LIVEOAK	215	2,340	34	79,560	A	AC/AC	69	70	100	$196,690	21,422	2" MILL AND OVERLAY (5% DIGOUTS)
											Treatment Total		$707,865		
**ROSEMEAD BOULEVARD NB	CALLITA STREET	ARDENDALE	ROSEMEADNB	314	711	38	27,018	A	AC/AC	84	86	92	$0	35,900	MICROSURFACING

Scenarios - Sections Selected for Treatment

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario: City's Budget

Year: 2018

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
**ROSEMEAD BOULEVARD NB	EMPEROR AVENUE	CALLITA STREET	ROSEMEADNB	315	416	28	11,648	A	AC/AC	94	100	100	$0	0	MICROSURFACING
**ROSEMEAD BOULEVARD NB	LONGDEN AVENUE	EMPEROR AVENUE	ROSEMEADNB	316	1,234	30	37,020	A	AC/AC	94	100	100	$0	0	MICROSURFACING
**ROSEMEAD BOULEVARD NB	GARIBALDI AVENUE	LONGDEN AVENUE	ROSEMEADNB	317	1,538	30	46,140	A	AC/AC	87	89	94	$0	36,942	MICROSURFACING
**ROSEMEAD BOULEVARD NB	HERMOSA DRIVE	GARIBALDI AVENUE	ROSEMEADNB	318	1,096	30	32,880	A	AC/AC	83	85	91	$0	35,374	MICROSURFACING
**ROSEMEAD BOULEVARD NB	ELM AVENUE	HERMOSA DRIVE	ROSEMEADNB	319	492	34	16,728	A	AC/AC	79	81	89	$0	33,080	MICROSURFACING
**ROSEMEAD BOULEVARD NB	LAS TUNAS DRIVE	ELM AVENUE	ROSEMEADNB	320	464	30	13,920	A	AC/AC	78	80	88	$0	32,511	MICROSURFACING
**ROSEMEAD BOULEVARD NB	BROADWAY	LAS TUNAS DRIVE	ROSEMEADNB	321	1,635	30	49,050	A	AC/AC	86	88	93	$0	36,530	MICROSURFACING
**ROSEMEAD BOULEVARD NB	RANCHO REAL ROAD	BROADWAY	ROSEMEADNB	322	403	35	14,105	A	AC/AC	79	81	89	$0	33,080	MICROSURFACING
**ROSEMEAD BOULEVARD NB	OLIVE STREET	RANCHO REAL ROAD	ROSEMEADNB	323	198	34	6,732	A	AC/AC	79	81	89	$0	33,080	MICROSURFACING
**ROSEMEAD BOULEVARD NB	SERENO DRIVE	OLIVE STREET	ROSEMEADNB	324	653	28	18,284	A	AC/AC	88	89	95	$0	37,174	MICROSURFACING
**ROSEMEAD BOULEVARD NB	PENTLAND STREET	SERENO DRIVE	ROSEMEADNB	325	792	32	25,344	A	AC/AC	85	87	93	$0	36,296	MICROSURFACING
**ROSEMEAD BOULEVARD NB	END OF AC PAVEMENT	PENTLAND STREET	ROSEMEADNB	326	108	30	3,240	A	AC/AC	83	85	91	$0	35,374	MICROSURFACING
**ROSEMEAD BOULEVARD SB	NORTH CITY LIMIT	CALLITA STREET	ROSEMEADSB	328	170	38	6,460	A	AC/AC	80	82	89	$0	33,661	MICROSURFACING
**ROSEMEAD BOULEVARD SB	CALLITA STREET	EMPEROR AVENUE	ROSEMEADSB	329	429	28	12,012	A	AC/AC	91	92	96	$0	37,471	MICROSURFACING
**ROSEMEAD BOULEVARD SB	EMPEROR AVENUE	LONGDEN AVENUE	ROSEMEADSB	330	1,228	32	39,296	A	AC/AC	84	86	92	$0	35,900	MICROSURFACING
**ROSEMEAD BOULEVARD SB	LONGDEN AVENUE	GARIBALDI AVENUE	ROSEMEADSB	331	1,538	30	46,140	A	AC/AC	82	84	91	$0	34,818	MICROSURFACING
**ROSEMEAD BOULEVARD SB	GARIBALDI AVENUE	HERMOSA DRIVE	ROSEMEADSB	332	1,096	30	32,880	A	AC/AC	85	87	93	$0	36,296	MICROSURFACING
**ROSEMEAD BOULEVARD SB	HERMOSA DRIVE	ELM AVENUE	ROSEMEADSB	333	489	34	16,626	A	AC/AC	85	87	93	$0	36,296	MICROSURFACING

Year: 2018

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
**ROSEMEAD BOULEVARD SB	ELM AVENUE	LAS TUNAS DRIVE	ROSEMEADSB	334	473	40	18,920	A	AC/AC	90	91	96	$0	37,351	MICROSURFACING
**ROSEMEAD BOULEVARD SB	LAS TUNAS DRIVE	BROADWAY	ROSEMEADSB	335	1,627	28	45,556	A	AC/AC	84	86	92	$0	35,900	MICROSURFACING
**ROSEMEAD BOULEVARD SB	BROADWAY	RANCHO REAL ROAD	ROSEMEADSB	336	403	35	14,105	A	AC/AC	77	79	86	$0	60,691	MICROSURFACING
**ROSEMEAD BOULEVARD SB	RANCHO REAL ROAD	OLIVE STREET	ROSEMEADSB	337	198	32	6,336	A	AC/AC	75	77	85	$0	62,873	MICROSURFACING
**ROSEMEAD BOULEVARD SB	OLIVE STREET	SERENO DRIVE	ROSEMEADSB	338	653	28	18,284	A	AC/AC	77	79	86	$0	60,691	MICROSURFACING
**ROSEMEAD BOULEVARD SB	SERENO DRIVE	PENTLAND STREET	ROSEMEADSB	339	792	28	22,176	A	AC/AC	88	89	95	$0	37,174	MICROSURFACING
**ROSEMEAD BOULEVARD SB	PENTLAND STREET	END OF AC PAVEMENT	ROSEMEADSB	340	108	30	3,240	A	AC/AC	77	79	86	$0	60,691	MICROSURFACING

Treatment Total $0

Year 2018 Area Total 1,424,243 Year 2018 Total $1,**386,498**

Year: 2019

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
CLOVERLY AVENUE	WENDON STREET	FLAHERTY STREET	CLOVERLY	059	320	28	8,960	R	AC/AC	69	68	78	$4,615	24,215	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
FLAHERTY STREET	GOLDEN WEST AVENUE	ROWLAND AVENUE	FLAHERTY	118	930	28	26,040	R	AC/AC	70	69	78	$13,411	24,310	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
HALDEMAN STREET	BURTON AVENUE	CDS	HALDEMAN	149	238	32	7,358	R	AC/AC	69	68	77	$3,790	24,209	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
LEMON AVENUE	NCL	LONGDEN AVENUE	LEMON	210	135	26	3,510	R	AC/AC	59	69	78	$1,808	32,259	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
MILLER DRIVE	LOWER AZUSA ROAD	SOUTH END	MILLER	247	143	36	5,148	R	AC/AC	69	68	78	$2,652	24,218	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
WENDON STREET	GOLDEN WEST AVENUE	ROWLAND AVENUE	WENDON	386	935	34	26,180	R	AC/AC	69	68	78	$13,483	24,218	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
WORTHINGTON DRIVE	BURTON AVENUE	CDS	WORTHINGTO	413	176	24	5,994	R	AC/AC	69	68	77	$3,087	24,209	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)

										Treatment Total			$42,846			
CAMINO REAL	OAK AVENUE	TEMPLE CITY BOULEVARD	CAMINO	058	1,267	34	43,078	C	AC/AC	69	68	77	$23,665	27,356	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
DAINES DRIVE	CDS	TEMPLE CITY BOULEVARD	DAINES	073	193	3	7,451	C	AC/AC	68	68	77	$4,094	27,352	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
PRIMROSE AVENUE	LONGDEN AVENUE	FLAHERTY STREET	PRIMROSE	292	882	28	24,696	C	AC/AC	69	68	77	$13,567	27,360	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
VAL STREET	BARELA AVENUE	GOLDEN WEST AVENUE	VALSTREET	377	758	28	21,224	C	AC/AC	69	68	77	$11,660	27,360	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
WORKMAN AVENUE	AGNES AVENUE	ROWLAND AVENUE	WORKMAN	411	400	36	14,400	C	AC/AC	69	68	77	$7,911	27,359	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
										Treatment Total			$60,897			
LAS TUNAS DRIVE	ENCINITA AVENUE	190 W/O TEMPLE CITY BOULEVARD	LASTUNAS	207	2,015	66	132,990	A	AC/AC	51	50	100	$487,039	20,923	2" MILL AND OVERLAY (15% DIGOUTS)
LOWER AZUSA ROAD	190 E/O TEMPLE CITY BOULEVARD	190 W/O BALDWIN AVENUE	LOWERAZUSA	237	2,228	59	131,080	A	AC/AC	54	54	100	$480,045	20,273	2" MILL AND OVERLAY (15% DIGOUTS)
										Treatment Total			$967,084			
DAINES DRIVE	McCULLOCH AVENUE	WELLAND AVENUE	DAINES	079	557	32	17,824	C	AC/AC	46	45	100	$55,077	18,424	2" MILL AND OVERLAY (10% DIGOUTS)
										Treatment Total			$55,077			
OAK AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	OAK	263	1,289	36	46,404	C	AC/AC	63	63	100	$110,197	19,047	2" MILL AND OVERLAY (5% DIGOUTS)
PAL MALL AVENUE	LIVE OAK AVENUE	DAINES DRIVE	PALMALL	276	1,319	32	42,208	C	AC/AC	62	62	100	$100,233	19,483	2" MILL AND OVERLAY (5% DIGOUTS)
WEDGEWOOD STREET	ENCINITA AVENUE	ALESSANDRO AVENUE	WEDGEWOOD	379	700	32	22,400	R	AC/AC	40	40	100	$62,167	18,257	2" MILL AND OVERLAY (5% DIGOUTS)
										Treatment Total			$272,597			
				Year 2019 Area Total			586,945			Year 2019 Total			$1,398,501			

Year: 2020

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
ACASO DRIVE	SULTANA AVENUE	SERENO DRIVE	ACASO	001	568	32	18,176	R	AC/AC	71	69	78	$9,642	23,573	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)

											Treatment Total			$9,642		
ALESSANDRO AVENUE	PENTLAND STREET	LA ROSA DRIVE	ALESSANDRO	415	529	32	16,928	C	AC/AC	72	69	78	$9,579	26,873	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
KAUFFMAN AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	KAUFFMAN	178	1,278	32	40,896	C	AC/AC	59	68	77	$23,140	26,520	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
LIVIA AVENUE	WOOLLEY STREET	LONGDEN AVENUE	LIVIA	221	480	36	17,280	C	AC/AC	60	69	78	$9,778	26,680	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
PRIMROSE AVENUE	FLAHERTY STREET	GARIBALDI AVENUE	PRIMROSE	293	426	32	13,632	C	AC/AC	60	69	78	$7,714	26,687	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
											Treatment Total			$50,211		
BLACKLEY STREET	PARMERTON AVENUE	McCULLOCH AVENUE	BLACKLEY	036	233	26	6,058	R	AC/AC	71	69	100	$11,248	17,929	2" MILL AND OVERLAY
											Treatment Total			$11,248		
WORKMAN AVENUE	TEMPLE CITY BOULEVARD	ALLEY E/O TEMPLE CITY BOULEVARD	WORKMAN	406	235	36	8,460	C	AC/AC	92	89	94	$2,992	16,351	SLURRY SEAL AND CRACK SEAL
											Treatment Total			$2,992		
LOWER AZUSA ROAD	WEST CITY LIMIT	190 W/O TEMPLE CITY BOULEVARD	LOWERAZUSA	235	2,510	60	150,600	A	AC/AC	56	53	100	$568,077	19,766	2" MILL AND OVERLAY (15% DIGOUTS)
											Treatment Total			$568,077		
DAINES DRIVE	WELLAND AVENUE	SANTA ANITA AVENUE	DAINES	080	648	32	20,736	C	AC/AC	48	45	100	$65,997	17,972	2" MILL AND OVERLAY (10% DIGOUTS)
MUSCATEL AVENUE	GARIBALDI AVENUE	LAS TUNAS DRIVE	MUSCATEL	253	2,090	36	75,240	C	AC/AC	48	45	100	$239,467	17,965	2" MILL AND OVERLAY (10% DIGOUTS)
											Treatment Total			$305,464		
DAINES DRIVE	BALDWIN AVENUE	HALIFAX ROAD	DAINES	076	2,571	32	82,272	C	AC/AC	66	64	100	$201,235	18,029	2" MILL AND OVERLAY (5% DIGOUTS)
ENCINITA AVENUE	LAS TUNAS DRIVE	LIVE OAK AVENUE	ENCINITA	103	1,316	36	47,376	C	AC/AC	66	64	100	$115,880	18,018	2" MILL AND OVERLAY (5% DIGOUTS)
FLAHERTY STREET	ENCINITA AVENUE	CDS	FLAHERTY	116	314	24	9,197	R	AC/AC	42	40	100	$26,290	17,724	2" MILL AND OVERLAY (5% DIGOUTS)
HERMOSA DRIVE	BURTON AVENUE	MUSCATEL AVENUE	HERMOSA	167	1,183	36	42,588	C	AC/AC	65	63	100	$104,169	18,459	2" MILL AND OVERLAY (5% DIGOUTS)
											Treatment Total			$447,574		
DALEVIEW AVENUE	FREER STREET	GRAND AVENUE	DALEVIEW	081	1,212	38	47,328	C	AC/AC	73	70	73	$229	890,706	SEAL CRACKS

Scenarios - Sections Selected for Treatment

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario: City's Budget

Year: 2020

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
PENTLAND STREET	ENCINITA AVENUE	ALESSANDRO AVENUE	PENTLAND	284	1,126	34	38,284	R	AC/AC	75	73	75	$175	763,890	SEAL CRACKS
												Treatment Total	$404		
				Year 2021 Area Total			635,051					Year 2021 Total	$1,395,612		

Year: 2021

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
ALESSANDRO AVENUE	GARIBALDI AVENUE	LAS TUNAS DRIVE	ALESSANDRO	006	1,270	36	45,720	R	AC/AC	63	69	78	$24,980	22,912	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
CRAIGLEE STREET	TEMPLE CITY BOULEVARD	BARELA AVENUE	CRAIGLEE	069	480	28	13,440	R	AC/AC	73	69	78	$7,344	22,916	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
ROWLAND AVENUE	WENDON AVENUE	FLAHERTY STREET	ROWLAND	343	368	30	10,304	R	AC/AC	61	69	78	$5,630	30,637	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
												Treatment Total	$37,954		
LOWER AZUSA ROAD	190 E/O BALDWIN AVENUE	EAST CITY LIMIT	LOWERAZUSA	239	3,700	60	222,000	A	AC/AC	58	53	100	$862,526	19,253	2" MILL AND OVERLAY (15% DIGOUTS)
												Treatment Total	$862,526		
LA ROSA DRIVE	FRATUS DRIVE	ALESSANDRO AVENUE	LAROSA	191	926	32	29,632	C	AC/AC	52	46	100	$97,140	17,239	2" MILL AND OVERLAY (10% DIGOUTS)
PAL MALL AVENUE	KEY WEST STREET	LOWER AZUSA ROAD	PALMALL	280	1,196	32	38,272	C	AC/AC	51	45	100	$125,463	17,383	2" MILL AND OVERLAY (10% DIGOUTS)
												Treatment Total	$222,603		
CLOVERLY AVENUE	BROADWAY	OLIVE STREET	CLOVERLY	064	907	36	32,652	C	AC/AC	68	63	100	$82,262	17,864	2" MILL AND OVERLAY (5% DIGOUTS)
ENCINITA AVENUE	LIVE OAK AVENUE	BROADWAY	ENCINITA	104	975	36	35,100	C	AC/AC	67	63	100	$88,429	17,881	2" MILL AND OVERLAY (5% DIGOUTS)
HERMOSA DRIVE	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	HERMOSA	168	1,042	40	41,680	C	AC/AC	67	63	100	$105,007	17,866	2" MILL AND OVERLAY (5% DIGOUTS)
												Treatment Total	$275,698		

Year: 2021

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
ARDEN DRIVE	OLIVE STREET	LA ROSA DRIVE	ARDEN	012	1,511	36	54,396	C	AC/AC	90	87	88	$42	3,158,847	SEAL CRACKS
ARDEN DRIVE	LA ROSA DRIVE	LOWER AZUSA ROAD	ARDEN	013	1,548	52	80,496	C	AC/AC	92	87	87	$69	1,994,804	SEAL CRACKS
OLIVE STREET	ROSEMEAD BOULEVARD	SULTANA AVENUE	OLIVE	269	580	36	20,880	C	AC/AC	86	82	84	$52	1,116,677	SEAL CRACKS
OLIVE STREET	SULTANA AVENUE	LOMA AVENUE	OLIVE	270	710	36	25,560	C	AC/AC	86	82	84	$64	1,116,677	SEAL CRACKS
OLIVE STREET	LOMA AVENUE	ENCINITA AVENUE	OLIVE	271	343	36	12,348	C	AC/AC	79	75	77	$55	920,475	SEAL CRACKS
OLIVE STREET	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	OLIVE	272	2,654	36	95,544	C	AC/AC	82	78	80	$364	968,488	SEAL CRACKS
OLIVE STREET	BALDWIN AVENUE	ARDEN DRIVE	OLIVE	274	1,907	36	68,652	C	AC/AC	83	79	81	$245	982,365	SEAL CRACKS
OLIVE STREET	ARDEN DRIVE	EL MONTE AVENUE	OLIVE	275	2,143	36	77,148	C	AC/AC	80	76	78	$326	937,677	SEAL CRACKS
												Treatment Total	$1,217		
				Year 2021 Area Total			903,824					Year 2021 Total	$1,399,998		

Year: 2022

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
DALEVIEW AVENUE	FREER STREET	GRAND AVENUE	DALEVIEW	081	1,212	38	47,328	C	AC/AC	73	69	79	$28,410	25,348	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
GOLDEN WEST AVENUE	LEMON AVENUE	LONGDEN AVENUE	GOLDENWEST	137	1,281	36	46,116	C	AC/AC	75	69	78	$27,683	25,235	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
												Treatment Total	$56,093		
ELM AVENUE	ROSEMEAD BOULEVARD	130' E/O ROSEMEAD BOULEVARD	ELM	094	509	32	16,288	R	AC/AC	94	87	93	$5,908	19,920	SLURRY SEAL AND CRACK SEAL
PENTLAND STREET	ENCINITA AVENUE	ALESSANDRO AVENUE	PENTLAND	284	1,126	34	38,284	R	AC/AC	75	72	81	$13,885	34,675	SLURRY SEAL AND CRACK SEAL
												Treatment Total	$19,793		

Year: 2022

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
ELLIS LANE	TEMPLE CITY BOULEVARD	130 S/O LOWER AZUSA ROAD	ELLIS	092	1,000	36	36,000	C	AC/AC	55	47	100	$121,555	16,637	2" MILL AND OVERLAY (10% DIGOUTS)
HART AVENUE	HERMOSA DRIVE	LAS TUNAS DRIVE	HART	163	502	26	13,052	C	AC/AC	54	46	100	$44,071	16,781	2" MILL AND OVERLAY (10% DIGOUTS)
LEMON AVENUE	OAK AVENUE	TEMPLE CITY BOULEVARD	LEMON	212	1,265	36	40,480	C	AC/AC	54	46	100	$136,682	16,789	2" MILL AND OVERLAY (10% DIGOUTS)
MUSCATEL AVENUE	LAS TUNAS DRIVE	SOUTH CITY LIMIT	MUSCATEL	254	200	36	7,200	C	AC/AC	56	48	100	$24,311	16,474	2" MILL AND OVERLAY (10% DIGOUTS)
SULTANA AVENUE	HERMOSA DRIVE	LAS TUNAS DRIVE	SULTANA	363	658	26	17,108	C	AC/AC	53	45	100	$57,766	16,932	2" MILL AND OVERLAY (10% DIGOUTS)
SULTANA AVENUE	LAS TUNAS DRIVE	BROADWAY	SULTANA	364	1,840	36	66,240	C	AC/AC	56	48	100	$223,662	16,483	2" MILL AND OVERLAY (10% DIGOUTS)
VAL STREET	GOLDEN WEST AVENUE	EAST CITY LIMIT	VALSTREET	378	669	28	18,732	C	AC/AC	55	47	100	$63,250	16,642	2" MILL AND OVERLAY (10% DIGOUTS)
WORKMAN AVENUE	ROWLAND AVENUE	CITY LIMIT	WORKMAN	412	224	36	8,064	C	AC/AC	54	46	100	$27,229	16,781	2" MILL AND OVERLAY (10% DIGOUTS)
											Treatment Total		$698,526		
ARROWOOD STREET	CDS	DALEVIEW AVENUE	ARROWOOD	019	288	24	9,201	R	AC/AC	47	41	100	$27,904	16,577	2" MILL AND OVERLAY (5% DIGOUTS)
CLOVERLY AVENUE	LIVE OAK AVENUE	BROADWAY	CLOVERLY	063	916	36	32,976	C	AC/AC	72	66	100	$85,571	16,341	2" MILL AND OVERLAY (5% DIGOUTS)
CLOVERLY AVENUE	LOWER AZUSA ROAD	GIDLEY STREET	CLOVERLY	068	448	34	15,232	R	AC/AC	50	43	100	$46,193	16,325	2" MILL AND OVERLAY (5% DIGOUTS)
DANBURY STREET	CDS	SANTA ANITA AVENUE	DANBURY	084	195	24	6,412	R	AC/AC	50	43	100	$19,446	16,332	2" MILL AND OVERLAY (5% DIGOUTS)
LONGDEN AVENUE	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	LONGDEN	229	1,083	36	38,988	C	AC/AC	70	63	100	$101,171	17,278	2" MILL AND OVERLAY (5% DIGOUTS)
MYDA AVENUE	HERMOSA DRIVE	CDS	MYDA	255	414	27	12,726	R	AC/AC	49	42	100	$38,594	16,455	2" MILL AND OVERLAY (5% DIGOUTS)
RANCHO REAL ROAD	SULTANA AVENUE	LOMA AVENUE	RANCHOREAL	297	707	36	25,452	R	AC/AC	46	40	100	$77,187	16,679	2" MILL AND OVERLAY (5% DIGOUTS)
ROCCUS LANE	BURTON AVENUE	CDS	ROCCUS	309	208	26	7,530	R	AC/AC	46	40	100	$22,836	16,681	2" MILL AND OVERLAY (5% DIGOUTS)
RYLAND AVENUE	LA ROSA DRIVE	LOWER AZUSA ROAD	RYLAND	348	1,542	36	55,512	R	AC/AC	47	40	100	$168,347	16,677	2" MILL AND OVERLAY (5% DIGOUTS)

Scenarios - Sections Selected for Treatment

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario: City's Budget

Year: 2022

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
SPARKLETT STREET	CAMELLIA AVENUE	KAUFFMAN AVENUE	SPARKLETT	357	345	28	9,660	R	AC/AC	54	48	100	$29,296	15,705	2" MILL AND OVERLAY (5% DIGOUTS)
											Treatment Total		$616,545		
BROADWAY	WEST CITY LIMIT	ROSEMEAD BOULEVARD	BROADWAY	041	565	60	33,900	C	AC/AC	92	85	86	$58	1,286,412	SEAL CRACKS
BROADWAY	ROSEMEAD BOULEVARD	ENCINITA AVENUE	BROADWAY	042	1,630	58	96,068	C	AC/AC	88	82	84	$249	1,078,670	SEAL CRACKS
BROADWAY	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	BROADWAY	043	2,503	36	90,108	C	AC/AC	86	80	82	$302	984,038	SEAL CRACKS
CRAIGLEE STREET	BARELA AVENUE	EAST END	CRAIGLEE	070	287	28	8,036	R	AC/AC	77	72	75	$40	710,649	SEAL CRACKS
DAINES DRIVE	HALIFAX ROAD	EL MONTE AVENUE	DAINES	077	1,419	32	45,408	C	AC/AC	78	72	75	$225	859,265	SEAL CRACKS
ELM AVENUE	MUSCATEL AVENUE	RENO AVENUE	ELM	093	712	26	18,512	C	AC/AC	90	84	85	$40	1,157,759	SEAL CRACKS
EMPEROR AVENUE	OAK AVENUE	CDS	EMPEROR	097	340	30	11,456	C	AC/AC	92	85	86	$20	1,283,161	SEAL CRACKS
FREER STREET	ARDEN DRIVE	HALIFAX ROAD	FREER	123	647	32	20,704	C	AC/AC	88	82	84	$54	1,075,701	SEAL CRACKS
FREER STREET	HALIFAX ROAD	EL MONTE AVENUE	FREER	124	1,410	32	45,120	C	AC/AC	77	71	74	$228	852,509	SEAL CRACKS
FREER STREET	EL MONTE AVENUE	ARCADIA WASH	FREER	125	564	32	18,048	C	AC/AC	76	70	73	$93	831,140	SEAL CRACKS
GRACEWOOD AVENUE	LIVE OAK AVENUE	885 NORTH OF DAINES DRIVE	GRACEWOOD	145	523	30	15,690	R	AC/AC	91	86	87	$21	1,277,474	SEAL CRACKS
GREEN STREET	BALDWIN AVENUE	CDS	GREEN	148	1,783	33	59,178	R	AC/AC	79	74	76	$276	726,898	SEAL CRACKS
HERMOSA DRIVE	ROSEMEAD BOULEVARD	SULTANA AVENUE	HERMOSA	169	500	36	18,000	C	AC/AC	91	84	86	$34	1,251,637	SEAL CRACKS
HERMOSA DRIVE	SULTANA AVENUE	ENCINITA AVENUE	HERMOSA	170	1,086	36	39,096	C	AC/AC	92	85	86	$68	1,284,174	SEAL CRACKS
HILTON AVENUE	CDS	OLIVE STREET	HILTON	172	658	39	25,810	R	AC/AC	77	72	74	$128	710,354	SEAL CRACKS
LONGDEN AVENUE	BURTON AVENUE	MUSCATEL AVENUE	LONGDEN	228	1,252	32	40,064	C	AC/AC	80	74	77	$186	889,082	SEAL CRACKS

Scenarios - Sections Selected for Treatment

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario: City's Budget

Year: 2022

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
McCLINTOCK AVENUE	GRAND AVENUE	FAIRVIEW AVENUE	McCLINTOCK	244	780	26	20,280	R	AC/AC	75	70	73	$105	700,996	SEAL CRACKS
OLIVE STREET	TEMPLE CITY BOULEVARD	BALDWIN AVENUE	OLIVE	273	2,575	36	92,700	C	AC/AC	78	72	75	$458	859,133	SEAL CRACKS
PARMERTON AVENUE	DAINES DRIVE	BLACKLEY STREET	PARMERTON	282	912	26	23,712	R	AC/AC	76	71	74	$121	705,897	SEAL CRACKS
PERSIMMON AVENUE	NORTH CITY LIMIT	DAINES DRIVE	PERSIMMON	287	1,147	28	34,410	C	AC/AC	81	75	77	$154	894,784	SEAL CRACKS
RENO AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	RENO	300	1,494	26	38,844	C	AC/AC	92	85	86	$69	1,272,350	SEAL CRACKS
RENO AVENUE	GARIBALDI AVENUE	HERMOSA DRIVE	RENO	301	1,064	26	27,664	C	AC/AC	91	84	86	$52	1,251,637	SEAL CRACKS
RENO AVENUE	HERMOSA DRIVE	ELM AVENUE	RENO	302	482	26	12,532	C	AC/AC	92	85	86	$22	1,284,174	SEAL CRACKS
VAL STREET	TEMPLE CITY BOULEVARD	BARELA AVENUE	VALSTREET	376	483	28	13,524	C	AC/AC	78	72	75	$67	860,323	SEAL CRACKS
												Treatment Total	$3,070		
				Year 2022 Area Total			1,417,445					Year 2022 Total	$1,394,027		

Year: 2023

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
NOEL DRIVE	NORTH END	BROADWAY	NOEL	260	1,848	36	62,832	R	AC/AC	65	68	77	$36,420	21,476	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
TRELAWNEY AVENUE	LEMON AVENUE	SOUTH END	TRELAWNEY	375	878	36	33,730	R	AC/AC	66	69	78	$19,552	21,580	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
												Treatment Total	$55,972		
LEMON AVENUE	TEMPLE CITY BOULEVARD	EAST CITY LIMIT	LEMON	213	1,944	32	62,208	C	AC/AC	67	69	79	$38,462	24,610	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
												Treatment Total	$38,462		
ARDEN DRIVE	OLIVE STREET	LA ROSA DRIVE	ARDEN	012	1,511	36	54,396	C	AC/AC	90	85	92	$21,020	39,035	SLURRY SEAL AND CRACK SEAL

Scenarios - Sections Selected for Treatment

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario: City's Budget

Year: 2023

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
ENCINITA AVENUE	BROADWAY	EATON WASH	ENCINITA	105	2,245	36	80,820	C	AC/AC	82	75	83	$31,231	39,737	SLURRY SEAL AND CRACK SEAL
LONGDEN AVENUE	BURTON AVENUE	MUSCATEL AVENUE	LONGDEN	228	1,252	32	40,064	C	AC/AC	80	75	83	$15,482	39,662	SLURRY SEAL AND CRACK SEAL
OLIVE STREET	LOMA AVENUE	ENCINITA AVENUE	OLIVE	271	343	36	12,348	C	AC/AC	79	74	82	$4,772	39,820	SLURRY SEAL AND CRACK SEAL
OLIVE STREET	TEMPLE CITY BOULEVARD	BALDWIN AVENUE	OLIVE	273	2,575	36	92,700	C	AC/AC	78	73	82	$35,822	39,906	SLURRY SEAL AND CRACK SEAL
OLIVE STREET	BALDWIN AVENUE	ARDEN DRIVE	OLIVE	274	1,907	36	68,652	C	AC/AC	83	77	85	$26,529	38,511	SLURRY SEAL AND CRACK SEAL
OLIVE STREET	ARDEN DRIVE	EL MONTE AVENUE	OLIVE	275	2,143	36	77,148	C	AC/AC	80	75	83	$29,812	39,694	SLURRY SEAL AND CRACK SEAL
											Treatment Total		$164,668		
OAK AVENUE	CAMINO REAL	LONGDEN AVENUE	OAK	262	2,651	36	95,436	C	AC/AC	56	46	100	$331,910	16,333	2" MILL AND OVERLAY (10% DIGOUTS)
											Treatment Total		$331,910		
CALLITA STREET	501 W/O ROSEMEAD BOULEVARD	ROSEMEAD BOULEVARD	CALLITA	049	501	32	16,032	R	AC/AC	52	44	100	$50,078	15,810	2" MILL AND OVERLAY (5% DIGOUTS)
CAMELLIA AVENUE	CDS	GARIBALDI AVENUE	CAMELLIA	053	811	36	32,022	C	AC/AC	74	66	100	$85,588	15,713	2" MILL AND OVERLAY (5% DIGOUTS)
CLOVERLY AVENUE	GARIBALDI AVENUE	WOODRUFF AVENUE	CLOVERLY	060	644	36	23,184	R	AC/AC	54	46	100	$72,418	15,509	2" MILL AND OVERLAY (5% DIGOUTS)
FRATUS DRIVE	PENTLAND STREET	RIO HONDO AVENUE	FRATUS	121	2,066	28	57,848	R	AC/AC	52	44	100	$180,694	15,810	2" MILL AND OVERLAY (5% DIGOUTS)
JAYLEE DRIVE	LOMA AVENUE	CDS	JAYLEE	177	450	30	15,622	R	AC/AC	53	45	100	$48,797	15,669	2" MILL AND OVERLAY (5% DIGOUTS)
LA ROSA DRIVE	WEST END	ENCINITA AVENUE	LAROSA	190	335	54	18,090	R	AC/AC	52	44	100	$56,506	15,810	2" MILL AND OVERLAY (5% DIGOUTS)
McCLINTOCK AVENUE	FREER STREET	GRAND AVENUE	McCLINTOCK	243	1,217	30	36,510	R	AC/AC	53	45	100	$114,043	15,669	2" MILL AND OVERLAY (5% DIGOUTS)
NADINE STREET	CDS	TEMPLE CITY BOULEVARD	NADINE	256	531	27	15,928	R	AC/AC	52	44	100	$49,753	15,810	2" MILL AND OVERLAY (5% DIGOUTS)
PENTLAND STREET	ROSEMEAD BOULEVARD	SULTANA AVENUE	PENTLAND	283	397	31	12,307	R	AC/AC	52	44	100	$38,443	15,810	2" MILL AND OVERLAY (5% DIGOUTS)

Year: 2023

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
SALTER AVENUE	ESTRELLA AVENUE	LONGDEN AVENUE	SALTER	350	466	22	10,252	R	AC/AC	53	45	100	$32,024	15,667	2" MILL AND OVERLAY (5% DIGOUTS)
WENDON STREET	CLOVERLY AVENUE	PRIMROSE AVENUE	WENDON	385	566	30	16,980	R	AC/AC	53	45	100	$53,039	15,662	2" MILL AND OVERLAY (5% DIGOUTS)
WILLMONTE AVENUE	DUFFY STREET	BOGUE STREET	WILLMONTE	388	262	30	6,812	R	AC/AC	54	46	100	$21,278	15,507	2" MILL AND OVERLAY (5% DIGOUTS)
											Treatment Total		$802,661		
ALESSANDRO AVENUE	OLIVE STREET	BLACKLEY STREET	ALESSANDRO	009	580	28	16,240	C	AC/AC	92	83	84	$40	1,070,816	SEAL CRACKS
ALESSANDRO AVENUE	BLACKLEY STREET	PENTLAND STREET	ALESSANDRO	010	331	32	10,592	C	AC/AC	92	83	84	$26	1,071,798	SEAL CRACKS
ARDSLEY DRIVE	CDS	TEMPLE CITY BOULEVARD	ARDSLEY	016	1,075	30	34,372	R	AC/AC	94	86	87	$48	1,210,903	SEAL CRACKS
BIDWELL STREET	LOMA AVENUE	ENCINITA AVENUE	BIDWELL	030	347	32	11,104	R	AC/AC	59	85	86	$17	1,141,946	SEAL CRACKS
BLACKLEY STREET	ENCINITA AVENUE	CDS	BLACKLEY	034	2,688	35	94,218	R	AC/AC	94	85	87	$131	1,205,331	SEAL CRACKS
BLACKLEY STREET	TEMPLE CITY BOULEVARD	GOLDEN WEST AVENUE	BLACKLEY	035	1,112	34	37,808	R	AC/AC	94	85	87	$53	1,205,331	SEAL CRACKS
BROADWAY	TEMPLE CITY BOULEVARD	GOLDEN WEST AVENUE	BROADWAY	044	1,258	36	45,288	C	AC/AC	92	83	84	$111	1,074,891	SEAL CRACKS
BROADWAY	GOLDEN WEST AVENUE	BALDWIN AVENUE	BROADWAY	045	1,274	34	45,864	C	AC/AC	92	83	84	$112	1,074,891	SEAL CRACKS
ENCINITA AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	ENCINITA	100	1,384	36	49,824	C	AC/AC	92	83	84	$123	1,071,185	SEAL CRACKS
ENCINITA AVENUE	GARIBALDI AVENUE	WOODRUFF AVENUE	ENCINITA	101	656	36	23,616	C	AC/AC	92	83	84	$59	1,071,185	SEAL CRACKS
ENCINITA AVENUE	WOODRUFF AVENUE	LAS TUNAS DRIVE	ENCINITA	102	627	36	22,572	C	AC/AC	73	74	76	$109	858,973	SEAL CRACKS
ENCINITA AVENUE	EATON WASH	SPRR (SOUTH CITY LIMIT)	ENCINITA	106	1,467	36	52,812	C	AC/AC	74	75	77	$246	867,832	SEAL CRACKS
ESTRELLA AVENUE	SALTER AVENUE	EAST CITY LIMIT	ESTRELLA	107	377	28	10,556	R	AC/AC	61	85	86	$16	1,141,946	SEAL CRACKS
FAIRVIEW AVENUE	WEST END	McCLINTOCK AVENUE	FAIRVIEW	111	138	26	3,588	R	AC/AC	79	80	82	$13	777,272	SEAL CRACKS

Scenarios - Sections Selected for Treatment

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario: City's Budget

Year: 2023

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
FLAHERTY STREET	CLOVERLY AVENUE	PRIMROSE AVENUE	FLAHERTY	117	582	30	17,460	R	AC/AC	64	85	86	$27	1,141,946	SEAL CRACKS
GOLDEN WEST AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	GOLDENWEST	138	1,281	36	46,116	C	AC/AC	58	83	84	$119	1,060,565	SEAL CRACKS
LA ROSA DRIVE	ALESSANDRO AVENUE	FIESTA AVENUE	LAROSA	192	1,099	32	35,168	C	AC/AC	92	83	84	$87	1,071,798	SEAL CRACKS
LA ROSA DRIVE	FIESTA AVENUE	TEMPLE CITY BOULEVARD	LAROSA	193	521	32	16,672	C	AC/AC	92	83	84	$41	1,071,546	SEAL CRACKS
LA ROSA DRIVE	TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	LAROSA	194	364	32	11,648	C	AC/AC	92	83	84	$29	1,071,546	SEAL CRACKS
LA ROSA DRIVE	CAMELLIA AVENUE	KAUFFMAN AVENUE	LAROSA	195	342	32	10,944	C	AC/AC	92	83	84	$27	1,071,546	SEAL CRACKS
LA ROSA DRIVE	KAUFFMAN AVENUE	GOLDEN WEST AVENUE	LAROSA	196	340	32	10,880	C	AC/AC	92	83	84	$27	1,071,546	SEAL CRACKS
LA ROSA DRIVE	GOLDEN WEST AVENUE	BALDWIN AVENUE	LAROSA	197	1,396	32	44,672	C	AC/AC	92	83	84	$110	1,071,546	SEAL CRACKS
LA ROSA DRIVE	BALDWIN AVENUE	RYLAND AVENUE	LAROSA	198	636	36	22,896	R	AC/AC	94	86	87	$31	1,229,901	SEAL CRACKS
LA ROSA DRIVE	RYLAND AVENUE	GLICKMAN AVENUE	LAROSA	199	659	36	23,724	R	AC/AC	94	85	87	$33	1,206,518	SEAL CRACKS
LA ROSA DRIVE	GLICKMAN AVENUE	ARDEN DRIVE	LAROSA	200	599	36	21,564	R	AC/AC	94	85	87	$30	1,206,518	SEAL CRACKS
LEMON AVENUE	ENCINITA AVENUE	OAK AVENUE	LEMON	211	252	32	8,064	C	AC/AC	43	83	84	$21	1,060,565	SEAL CRACKS
LOMA AVENUE	HERMOSA DRIVE	LAS TUNAS DRIVE	LOMA	225	292	26	7,592	C	AC/AC	43	83	84	$20	1,060,565	SEAL CRACKS
PARMERTON AVENUE	DANESWOOD DRIVE	DAINES DRIVE	PARMERTON	281	487	30	14,610	R	AC/AC	64	85	86	$23	1,141,946	SEAL CRACKS
SAINT JAMES DRIVE	CDS	GARIBALDI AVENUE	SAINTJAMES	349	173	30	8,553	R	AC/AC	67	85	86	$13	1,141,946	SEAL CRACKS
SPARKLETT STREET	ARDSLEY DRIVE	TEMPLE CITY BOULEVARD	SPARKLETT	355	245	28	6,860	R	AC/AC	94	86	87	$10	1,210,903	SEAL CRACKS
SPARKLETT STREET	TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	SPARKLETT	356	367	28	10,276	R	AC/AC	67	85	86	$16	1,141,946	SEAL CRACKS
WORKMAN AVENUE	ALLEY E/O TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	WORKMAN	407	155	36	5,580	C	AC/AC	43	83	84	$15	1,060,565	SEAL CRACKS

** - Treatment from Project Selection

Scenarios Criteria: Functional Class <> O - Other

		Treatment Total	$1,783
Year 2023 Area Total	1,723,654	Year 2023 Total	$1,395,456

Year: 2024

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
CAMINO REAL	OAK AVENUE	TEMPLE CITY BOULEVARD	CAMINO	058	1,267	34	43,078	C	AC/AC	69	69	78	$27,434	23,734	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
DAINES DRIVE	CDS	TEMPLE CITY BOULEVARD	DAINES	073	193	3	7,451	C	AC/AC	68	69	78	$4,746	23,725	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
PRIMROSE AVENUE	LONGDEN AVENUE	FLAHERTY STREET	PRIMROSE	292	882	28	24,696	C	AC/AC	69	69	78	$15,728	23,740	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
VAL STREET	BARELA AVENUE	GOLDEN WEST AVENUE	VALSTREET	377	758	28	21,224	C	AC/AC	69	69	78	$13,517	23,740	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
WORKMAN AVENUE	AGNES AVENUE	ROWLAND AVENUE	WORKMAN	411	400	36	14,400	C	AC/AC	69	69	78	$9,171	23,739	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
											Treatment Total		$70,596		
BROADWAY	ROSEMEAD BOULEVARD	ENCINITA AVENUE	BROADWAY	042	1,630	58	96,068	C	AC/AC	88	81	88	$38,237	34,138	SLURRY SEAL AND CRACK SEAL
BROADWAY	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	BROADWAY	043	2,503	36	90,108	C	AC/AC	86	78	86	$35,865	36,496	SLURRY SEAL AND CRACK SEAL
CRAIGLEE STREET	BARELA AVENUE	EAST END	CRAIGLEE	070	287	28	8,036	R	AC/AC	77	72	80	$3,092	32,709	SLURRY SEAL AND CRACK SEAL
DAINES DRIVE	HALIFAX ROAD	EL MONTE AVENUE	DAINES	077	1,419	32	45,408	C	AC/AC	78	71	80	$18,074	38,602	SLURRY SEAL AND CRACK SEAL
FREER STREET	ARDEN DRIVE	HALIFAX ROAD	FREER	123	647	32	20,704	C	AC/AC	88	80	88	$8,241	34,189	SLURRY SEAL AND CRACK SEAL
FREER STREET	HALIFAX ROAD	EL MONTE AVENUE	FREER	124	1,410	32	45,120	C	AC/AC	77	70	79	$17,959	38,332	SLURRY SEAL AND CRACK SEAL
OLIVE STREET	ROSEMEAD BOULEVARD	SULTANA AVENUE	OLIVE	269	580	36	20,880	C	AC/AC	86	79	87	$8,311	36,087	SLURRY SEAL AND CRACK SEAL
OLIVE STREET	SULTANA AVENUE	LOMA AVENUE	OLIVE	270	710	36	25,560	C	AC/AC	86	79	87	$10,174	36,087	SLURRY SEAL AND CRACK SEAL
OLIVE STREET	ENCINITA AVENUE	TEMPLE CITY BOULEVARD	OLIVE	272	2,654	36	95,544	C	AC/AC	82	75	83	$38,029	38,501	SLURRY SEAL AND CRACK SEAL
PERSIMMON AVENUE	NORTH CITY LIMIT	DAINES DRIVE	PERSIMMON	287	1,147	28	34,410	C	AC/AC	81	74	83	$13,696	38,612	SLURRY SEAL AND CRACK SEAL

Year: 2024

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
VAL STREET	TEMPLE CITY BOULEVARD	BARELA AVENUE	VALSTREET	376	483	28	13,524	C	AC/AC	78	71	80	$5,383	38,605	SLURRY SEAL AND CRACK SEAL
											Treatment Total		$197,061		
ROSEMEAD BOULEVARD NB	LAS TUNAS DRIVE	ELM AVENUE	ROSEMEADNB	320	464	30	13,920	A	AC/AC	78	72	100	$50,326	14,843	2" MILL AND OVERLAY (10% DIGOUTS)
ROSEMEAD BOULEVARD NB	RANCHO REAL ROAD	BROADWAY	ROSEMEADNB	322	403	35	14,105	A	AC/AC	79	73	100	$50,995	14,008	2" MILL AND OVERLAY (10% DIGOUTS)
ROSEMEAD BOULEVARD NB	OLIVE STREET	RANCHO REAL ROAD	ROSEMEADNB	323	198	34	6,732	A	AC/AC	79	73	100	$24,339	14,008	2" MILL AND OVERLAY (10% DIGOUTS)
											Treatment Total		$125,660		
AVON AVENUE	BURGHARDT ROAD	LESLIE DRIVE	AVON	022	405	30	12,150	R	AC/AC	55	46	100	$39,091	15,139	2" MILL AND OVERLAY (5% DIGOUTS)
BARELA AVENUE	WOOLLEY STREET	CRAIGLEE STREET	BARELA	025	660	28	18,480	R	AC/AC	55	46	100	$59,456	15,138	2" MILL AND OVERLAY (5% DIGOUTS)
DANESWOOD DRIVE	PARMERTON AVENUE	McCULLOCH AVENUE	DANESWOOD	085	190	30	6,956	R	AC/AC	57	48	100	$22,380	14,812	2" MILL AND OVERLAY (5% DIGOUTS)
FIESTA AVENUE	LOWER AZUSA ROAD	BISBY STREET	FIESTA	115	270	34	9,180	R	AC/AC	57	48	100	$29,535	14,803	2" MILL AND OVERLAY (5% DIGOUTS)
FREER STREET	EL MONTE AVENUE	ARCADIA WASH	FREER	125	564	32	18,048	C	AC/AC	76	69	100	$49,686	13,879	2" MILL AND OVERLAY (5% DIGOUTS)
FREER STREET	ARCADIA WASH	SANTA ANITA AVENUE	FREER	126	1,656	32	52,992	C	AC/AC	75	65	100	$145,885	15,597	2" MILL AND OVERLAY (5% DIGOUTS)
LOMA AVENUE	EMPEROR AVENUE	WOOLLEY STREET	LOMA	222	838	30	25,140	R	AC/AC	58	49	100	$80,884	14,617	2" MILL AND OVERLAY (5% DIGOUTS)
PRIMROSE AVENUE	CDS	LONGDEN AVENUE	PRIMROSE	291	224	28	7,946	R	AC/AC	57	48	100	$25,565	14,804	2" MILL AND OVERLAY (5% DIGOUTS)
ROSEMEAD BOULEVARD NB	ELM AVENUE	HERMOSA DRIVE	ROSEMEADNB	319	492	34	16,728	A	AC/AC	79	73	100	$49,381	17,156	2" MILL AND OVERLAY (5% DIGOUTS)
											Treatment Total		$501,863		
CLOVERLY AVENUE	WENDON STREET	FLAHERTY STREET	CLOVERLY	059	320	28	8,960	R	AC/AC	69	70	73	$49	661,615	SEAL CRACKS
DAINES DRIVE	McCULLOCH AVENUE	WELLAND AVENUE	DAINES	079	557	32	17,824	C	AC/AC	46	83	84	$48	1,029,674	SEAL CRACKS
FLAHERTY STREET	GOLDEN WEST AVENUE	ROWLAND AVENUE	FLAHERTY	118	930	28	26,040	R	AC/AC	70	71	74	$140	667,646	SEAL CRACKS

Scenarios - Sections Selected for Treatment

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario: City's Budget

Year: 2024

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
HALDEMAN STREET	BURTON AVENUE	CDS	HALDEMAN	149	238	32	7,358	R	AC/AC	69	70	73	$41	661,756	SEAL CRACKS
LEMON AVENUE	NCL	LONGDEN AVENUE	LEMON	210	135	26	3,510	R	AC/AC	59	74	76	$18	918,654	SEAL CRACKS
MILLER DRIVE	LOWER AZUSA ROAD	SOUTH END	MILLER	247	143	36	5,148	R	AC/AC	69	70	73	$28	661,545	SEAL CRACKS
OAK AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	OAK	263	1,289	36	46,404	C	AC/AC	63	83	84	$123	1,029,674	SEAL CRACKS
PAL MALL AVENUE	LIVE OAK AVENUE	DAINES DRIVE	PALMALL	276	1,319	32	42,208	C	AC/AC	62	83	84	$112	1,029,674	SEAL CRACKS
WEDGEWOOD STREET	ENCINITA AVENUE	ALESSANDRO AVENUE	WEDGEWOOD	379	700	32	22,400	R	AC/AC	40	85	86	$35	1,108,685	SEAL CRACKS
WENDON STREET	GOLDEN WEST AVENUE	ROWLAND AVENUE	WENDON	386	935	34	26,180	R	AC/AC	69	70	73	$143	661,545	SEAL CRACKS
WORTHINGTON DRIVE	BURTON AVENUE	CDS	WORTHINGTO	413	176	24	5,994	R	AC/AC	69	70	73	$33	661,756	SEAL CRACKS
											Treatment Total		$770		
AGNES AVENUE	GARIBALDI AVENUE	LAS TUNAS DRIVE	AGNES	002	1,282	36	46,152	C	AC/AC	35	14	100	$405,656	6,672	RECONSTRUCT STRUCTURE (AC)
DAINES DRIVE	BARELA AVENUE	CDS	DAINES	074	183	52	6,514	C	AC/AC	3	0	100	$57,256	6,672	RECONSTRUCT STRUCTURE (AC)
FAIRVIEW AVENUE	PERSIMMON AVENUE	EAST END	FAIRVIEW	110	150	33	4,500	R	AC/AC	28	14	100	$38,061	5,834	RECONSTRUCT STRUCTURE (AC)
											Treatment Total		$500,973		
				Year 2024 Area Total			1,077,780				Year 2024 Total		$1,396,923		

Year: 2025

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
McCLINTOCK AVENUE	GRAND AVENUE	FAIRVIEW AVENUE	McCLINTOCK	244	780	26	20,280	R	AC/AC	75	68	77	$12,471	20,247	SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)
											Treatment Total		$12,471		

Year: 2025

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
KAUFFMAN AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	KAUFFMAN	178	1,278	32	40,896	C	AC/AC	59	68	78	$26,826	22,968	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
LIVIA AVENUE	WOOLLEY STREET	LONGDEN AVENUE	LIVIA	221	480	36	17,280	C	AC/AC	60	69	78	$11,335	23,175	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
											Treatment Total		$38,161		
PARMERTON AVENUE	DAINES DRIVE	BLACKLEY STREET	PARMERTON	282	912	26	23,712	R	AC/AC	76	69	100	$51,035	15,306	2" MILL AND OVERLAY
											Treatment Total		$51,035		
ALESSANDRO AVENUE	OLIVE STREET	BLACKLEY STREET	ALESSANDRO	009	580	28	16,240	C	AC/AC	92	81	88	$6,658	32,550	SLURRY SEAL AND CRACK SEAL
ARDEN DRIVE	LA ROSA DRIVE	LOWER AZUSA ROAD	ARDEN	013	1,548	52	80,496	C	AC/AC	92	81	88	$33,000	33,121	SLURRY SEAL AND CRACK SEAL
BROADWAY	WEST CITY LIMIT	ROSEMEAD BOULEVARD	BROADWAY	041	565	60	33,900	C	AC/AC	92	81	88	$13,898	32,849	SLURRY SEAL AND CRACK SEAL
ELM AVENUE	MUSCATEL AVENUE	RENO AVENUE	ELM	093	712	26	18,512	C	AC/AC	90	80	87	$7,590	34,012	SLURRY SEAL AND CRACK SEAL
EMPEROR AVENUE	OAK AVENUE	CDS	EMPEROR	097	340	30	11,456	C	AC/AC	92	81	88	$4,697	32,876	SLURRY SEAL AND CRACK SEAL
ENCINITA AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	ENCINITA	100	1,384	36	49,824	C	AC/AC	92	81	88	$20,426	32,544	SLURRY SEAL AND CRACK SEAL
ENCINITA AVENUE	GARIBALDI AVENUE	WOODRUFF AVENUE	ENCINITA	101	656	36	23,616	C	AC/AC	92	81	88	$9,682	32,544	SLURRY SEAL AND CRACK SEAL
ENCINITA AVENUE	WOODRUFF AVENUE	LAS TUNAS DRIVE	ENCINITA	102	627	36	22,572	C	AC/AC	73	73	82	$9,254	37,607	SLURRY SEAL AND CRACK SEAL
ENCINITA AVENUE	EATON WASH	SPRR (SOUTH CITY LIMIT)	ENCINITA	106	1,467	36	52,812	C	AC/AC	74	74	82	$21,651	37,525	SLURRY SEAL AND CRACK SEAL
GOLDEN WEST AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	GOLDENWEST	138	1,281	36	46,116	C	AC/AC	58	81	88	$18,906	32,877	SLURRY SEAL AND CRACK SEAL
HERMOSA DRIVE	ROSEMEAD BOULEVARD	SULTANA AVENUE	HERMOSA	169	500	36	18,000	C	AC/AC	91	80	88	$7,380	33,173	SLURRY SEAL AND CRACK SEAL
HERMOSA DRIVE	SULTANA AVENUE	ENCINITA AVENUE	HERMOSA	170	1,086	36	39,096	C	AC/AC	92	81	88	$16,028	32,868	SLURRY SEAL AND CRACK SEAL
LEMON AVENUE	ENCINITA AVENUE	OAK AVENUE	LEMON	211	252	32	8,064	C	AC/AC	43	81	88	$3,306	32,877	SLURRY SEAL AND CRACK SEAL
LOMA AVENUE	HERMOSA DRIVE	LAS TUNAS DRIVE	LOMA	225	292	26	7,592	C	AC/AC	43	81	88	$3,113	32,877	SLURRY SEAL AND CRACK SEAL

Year: 2025

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
RENO AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	RENO	300	1,494	26	38,844	C	AC/AC	92	81	88	$15,925	32,971	SLURRY SEAL AND CRACK SEAL
RENO AVENUE	GARIBALDI AVENUE	HERMOSA DRIVE	RENO	301	1,064	26	27,664	C	AC/AC	91	80	88	$11,342	33,173	SLURRY SEAL AND CRACK SEAL
RENO AVENUE	HERMOSA DRIVE	ELM AVENUE	RENO	302	482	26	12,532	C	AC/AC	92	81	88	$5,138	32,868	SLURRY SEAL AND CRACK SEAL
WORKMAN AVENUE	ALLEY E/O TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	WORKMAN	407	155	36	5,580	C	AC/AC	43	81	88	$2,288	32,877	SLURRY SEAL AND CRACK SEAL
											Treatment Total		$210,282		
LIVE OAK AVENUE	GLICKMAN AVENUE	EAST CITY LIMIT	LIVEOAK	219	2,586	36	93,096	A	AC/AC	85	74	100	$346,670	11,756	2" MILL AND OVERLAY (10% DIGOUTS)
ROSEMEAD BOULEVARD SB	NORTH CITY LIMIT	CALLITA STREET	ROSEMEADSB	328	170	38	6,460	A	AC/AC	80	72	100	$24,056	13,679	2" MILL AND OVERLAY (10% DIGOUTS)
ROSEMEAD BOULEVARD SB	RANCHO REAL ROAD	OLIVE STREET	ROSEMEADSB	337	198	32	6,336	A	AC/AC	75	73	100	$23,594	12,350	2" MILL AND OVERLAY (10% DIGOUTS)
											Treatment Total		$394,320		
ACASO DRIVE	SULTANA AVENUE	SERENO DRIVE	ACASO	001	568	32	18,176	R	AC/AC	71	71	73	$102	643,850	SEAL CRACKS
ALESSANDRO AVENUE	PENTLAND STREET	LA ROSA DRIVE	ALESSANDRO	415	529	32	16,928	C	AC/AC	72	70	73	$96	760,207	SEAL CRACKS
BLACKLEY STREET	PARMERTON AVENUE	McCULLOCH AVENUE	BLACKLEY	036	233	26	6,058	R	AC/AC	71	85	86	$10	1,076,394	SEAL CRACKS
DAINES DRIVE	BALDWIN AVENUE	HALIFAX ROAD	DAINES	076	2,571	32	82,272	C	AC/AC	66	83	84	$225	999,684	SEAL CRACKS
DAINES DRIVE	WELLAND AVENUE	SANTA ANITA AVENUE	DAINES	080	648	32	20,736	C	AC/AC	48	83	84	$57	999,684	SEAL CRACKS
ENCINITA AVENUE	LAS TUNAS DRIVE	LIVE OAK AVENUE	ENCINITA	103	1,316	36	47,376	C	AC/AC	66	83	84	$130	999,684	SEAL CRACKS
FLAHERTY STREET	ENCINITA AVENUE	CDS	FLAHERTY	116	314	24	9,197	R	AC/AC	42	85	86	$15	1,076,394	SEAL CRACKS
HERMOSA DRIVE	BURTON AVENUE	MUSCATEL AVENUE	HERMOSA	167	1,183	36	42,588	C	AC/AC	65	83	84	$117	999,684	SEAL CRACKS
MUSCATEL AVENUE	GARIBALDI AVENUE	LAS TUNAS DRIVE	MUSCATEL	253	2,090	36	75,240	C	AC/AC	48	83	84	$206	999,684	SEAL CRACKS

Scenarios - Sections Selected for Treatment

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario: City's Budget

Year: 2025

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
WORKMAN AVENUE	TEMPLE CITY BOULEVARD	ALLEY E/O TEMPLE CITY BOULEVARD	WORKMAN	406	235	36	8,460	C	AC/AC	92	82	84	$24	989,396	SEAL CRACKS
											Treatment Total		$982		
LAS TUNAS DRIVE	SULTANA AVENUE	ENCINITA AVENUE	LASTUNAS	206	1,216	58	70,528	A	AC/AC	42	17	100	$691,515	7,629	RECONSTRUCT STRUCTURE (AC)
											Treatment Total		$691,515		
				Year 2025 Area Total			1,118,535				Year 2025 Total		$1,398,766		

Year: 2026

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
HILTON AVENUE	CDS	OLIVE STREET	HILTON	172	658	39	25,810	R	AC/AC	77	69	100	$57,217	15,109	2" MILL AND OVERLAY
											Treatment Total		$57,217		
ALESSANDRO AVENUE	BLACKLEY STREET	PENTLAND STREET	ALESSANDRO	010	331	32	10,592	C	AC/AC	92	79	87	$4,473	33,642	SLURRY SEAL AND CRACK SEAL
BIDWELL STREET	LOMA AVENUE	ENCINITA AVENUE	BIDWELL	030	347	32	11,104	R	AC/AC	59	82	89	$4,533	26,140	SLURRY SEAL AND CRACK SEAL
BROADWAY	TEMPLE CITY BOULEVARD	GOLDEN WEST AVENUE	BROADWAY	044	1,258	36	45,288	C	AC/AC	92	79	87	$19,124	33,600	SLURRY SEAL AND CRACK SEAL
BROADWAY	GOLDEN WEST AVENUE	BALDWIN AVENUE	BROADWAY	045	1,274	34	45,864	C	AC/AC	92	79	87	$19,367	33,600	SLURRY SEAL AND CRACK SEAL
CLOVERLY AVENUE	WENDON STREET	FLAHERTY STREET	CLOVERLY	059	320	28	8,960	R	AC/AC	69	70	79	$3,658	30,739	SLURRY SEAL AND CRACK SEAL
DAINES DRIVE	McCULLOCH AVENUE	WELLAND AVENUE	DAINES	079	557	32	17,824	C	AC/AC	46	81	88	$7,527	31,920	SLURRY SEAL AND CRACK SEAL
ESTRELLA AVENUE	SALTER AVENUE	EAST CITY LIMIT	ESTRELLA	107	377	28	10,556	R	AC/AC	61	82	89	$4,309	26,140	SLURRY SEAL AND CRACK SEAL
FAIRVIEW AVENUE	WEST END	McCLINTOCK AVENUE	FAIRVIEW	111	138	26	3,588	R	AC/AC	79	78	85	$1,465	29,680	SLURRY SEAL AND CRACK SEAL

Year: 2026

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
FLAHERTY STREET	GOLDEN WEST AVENUE	ROWLAND AVENUE	FLAHERTY	118	930	28	26,040	R	AC/AC	70	71	80	$10,630	30,791	SLURRY SEAL AND CRACK SEAL
GRACEWOOD AVENUE	LIVE OAK AVENUE	885 NORTH OF DAINES DRIVE	GRACEWOOD	145	523	30	15,690	R	AC/AC	91	81	88	$6,405	27,313	SLURRY SEAL AND CRACK SEAL
GREEN STREET	BALDWIN AVENUE	CDS	GREEN	148	1,783	33	59,178	R	AC/AC	79	71	80	$24,156	30,786	SLURRY SEAL AND CRACK SEAL
HALDEMAN STREET	BURTON AVENUE	CDS	HALDEMAN	149	238	32	7,358	R	AC/AC	69	70	79	$3,004	30,734	SLURRY SEAL AND CRACK SEAL
LA ROSA DRIVE	ALESSANDRO AVENUE	FIESTA AVENUE	LAROSA	192	1,099	32	35,168	C	AC/AC	92	79	87	$14,850	33,642	SLURRY SEAL AND CRACK SEAL
LA ROSA DRIVE	FIESTA AVENUE	TEMPLE CITY BOULEVARD	LAROSA	193	521	32	16,672	C	AC/AC	92	79	87	$7,040	33,646	SLURRY SEAL AND CRACK SEAL
LA ROSA DRIVE	TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	LAROSA	194	364	32	11,648	C	AC/AC	92	79	87	$4,919	33,646	SLURRY SEAL AND CRACK SEAL
LA ROSA DRIVE	CAMELLIA AVENUE	KAUFFMAN AVENUE	LAROSA	195	342	32	10,944	C	AC/AC	92	79	87	$4,622	33,646	SLURRY SEAL AND CRACK SEAL
LA ROSA DRIVE	KAUFFMAN AVENUE	GOLDEN WEST AVENUE	LAROSA	196	340	32	10,880	C	AC/AC	92	79	87	$4,595	33,646	SLURRY SEAL AND CRACK SEAL
LA ROSA DRIVE	GOLDEN WEST AVENUE	BALDWIN AVENUE	LAROSA	197	1,396	32	44,672	C	AC/AC	92	79	87	$18,864	33,646	SLURRY SEAL AND CRACK SEAL
LEMON AVENUE	NCL	LONGDEN AVENUE	LEMON	210	135	26	3,510	R	AC/AC	59	74	82	$1,433	43,291	SLURRY SEAL AND CRACK SEAL
MILLER DRIVE	LOWER AZUSA ROAD	SOUTH END	MILLER	247	143	36	5,148	R	AC/AC	69	70	79	$2,102	30,742	SLURRY SEAL AND CRACK SEAL
OAK AVENUE	LONGDEN AVENUE	GARIBALDI AVENUE	OAK	263	1,289	36	46,404	C	AC/AC	63	81	88	$19,595	31,920	SLURRY SEAL AND CRACK SEAL
PAL MALL AVENUE	LIVE OAK AVENUE	DAINES DRIVE	PALMALL	276	1,319	32	42,208	C	AC/AC	62	81	88	$17,823	31,920	SLURRY SEAL AND CRACK SEAL
WENDON STREET	GOLDEN WEST AVENUE	ROWLAND AVENUE	WENDON	386	935	34	26,180	R	AC/AC	69	70	79	$10,687	30,742	SLURRY SEAL AND CRACK SEAL
WORTHINGTON DRIVE	BURTON AVENUE	CDS	WORTHINGTO	413	176	24	5,994	R	AC/AC	69	70	79	$2,447	30,734	SLURRY SEAL AND CRACK SEAL
											Treatment Total		$217,628		
ROSEMEAD BOULEVARD SB	BROADWAY	RANCHO REAL ROAD	ROSEMEADSB	336	403	35	14,105	A	AC/AC	77	73	100	$54,100	12,028	2" MILL AND OVERLAY (10% DIGOUTS)

Scenarios - Sections Selected for Treatment

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario: City's Budget

Year: 2026

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
ROSEMEAD BOULEVARD SB	OLIVE STREET	SERENO DRIVE	ROSEMEADSB	338	653	28	18,284	A	AC/AC	77	73	100	$70,129	12,028	2" MILL AND OVERLAY (10% DIGOUTS)
											Treatment Total		$124,229		
ROSEMEAD BOULEVARD SB	LONGDEN AVENUE	GARIBALDI AVENUE	ROSEMEADSB	331	1,538	30	46,140	A	AC/AC	82	74	100	$144,499	15,115	2" MILL AND OVERLAY (5% DIGOUTS)
ROSEMEAD BOULEVARD SB	PENTLAND STREET	END OF AC PAVEMENT	ROSEMEADSB	340	108	30	3,240	A	AC/AC	77	73	100	$10,147	14,731	2" MILL AND OVERLAY (5% DIGOUTS)
											Treatment Total		$154,646		
ALESSANDRO AVENUE	GARIBALDI AVENUE	LAS TUNAS DRIVE	ALESSANDRO	006	1,270	36	45,720	R	AC/AC	63	71	74	$260	628,977	SEAL CRACKS
CLOVERLY AVENUE	BROADWAY	OLIVE STREET	CLOVERLY	064	907	36	32,652	C	AC/AC	68	83	84	$92	970,567	SEAL CRACKS
CRAIGLEE STREET	TEMPLE CITY BOULEVARD	BARELA AVENUE	CRAIGLEE	069	480	28	13,440	R	AC/AC	73	71	74	$77	629,595	SEAL CRACKS
ENCINITA AVENUE	LIVE OAK AVENUE	BROADWAY	ENCINITA	104	975	36	35,100	C	AC/AC	67	83	84	$99	970,567	SEAL CRACKS
HERMOSA DRIVE	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	HERMOSA	168	1,042	40	41,680	C	AC/AC	67	83	84	$118	970,567	SEAL CRACKS
LA ROSA DRIVE	FRATUS DRIVE	ALESSANDRO AVENUE	LAROSA	191	926	32	29,632	C	AC/AC	52	83	84	$84	970,567	SEAL CRACKS
PAL MALL AVENUE	KEY WEST STREET	LOWER AZUSA ROAD	PALMALL	280	1,196	32	38,272	C	AC/AC	51	83	84	$108	970,567	SEAL CRACKS
											Treatment Total		$838		
AGNES AVENUE	LAS TUNAS DRIVE	LIVE OAK AVENUE	AGNES	003	1,282	36	46,152	C	AC/AC	15	0	100	$430,360	6,289	RECONSTRUCT STRUCTURE (AC)
ALESSANDRO AVENUE	LIVE OAK AVENUE	BROADWAY	ALESSANDRO	008	910	32	29,120	C	AC/AC	17	0	100	$271,540	6,289	RECONSTRUCT STRUCTURE (AC)
EMPEROR AVENUE	WEST CITY LIMIT	ROSEMEAD BOULEVARD	EMPEROR	095	176	38	6,688	C	AC/AC	29	0	100	$62,365	6,289	RECONSTRUCT STRUCTURE (AC)
WOODRUFF AVENUE	ROWLAND AVENUE	CITY LIMIT	WOODRUFF	398	194	32	6,208	C	AC/AC	36	6	100	$57,889	6,289	RECONSTRUCT STRUCTURE (AC)
WOOLLEY STREET (South Side)	BARELA AVENUE	122' E/O BARELA AVENUE	WOOLLEY	400	122	20	2,440	R	AC/AC	37	19	100	$21,895	5,499	RECONSTRUCT STRUCTURE (AC)

** - Treatment from Project Selection

Scenarios Criteria: Functional Class <> O - Other

		Treatment Total	$844,049
Year 2026 Area Total	956,153	Year 2026 Total	$1,398,607

Year: 2027

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
ALESSANDRO AVENUE	PENTLAND STREET	LA ROSA DRIVE	ALESSANDRO	415	529	32	16,928	C	AC/AC	72	69	78	$11,780	21,819	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
GOLDEN WEST AVENUE	LEMON AVENUE	LONGDEN AVENUE	GOLDENWEST	137	1,281	36	46,116	C	AC/AC	75	69	79	$32,092	21,869	SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
											Treatment Total		$43,872		
ACASO DRIVE	SULTANA AVENUE	SERENO DRIVE	ACASO	001	568	32	18,176	R	AC/AC	71	70	79	$7,642	29,882	SLURRY SEAL AND CRACK SEAL
DAINES DRIVE	BALDWIN AVENUE	HALIFAX ROAD	DAINES	076	2,571	32	82,272	C	AC/AC	66	81	88	$35,783	30,990	SLURRY SEAL AND CRACK SEAL
DAINES DRIVE	WELLAND AVENUE	SANTA ANITA AVENUE	DAINES	080	648	32	20,736	C	AC/AC	48	81	88	$9,019	30,990	SLURRY SEAL AND CRACK SEAL
ENCINITA AVENUE	LAS TUNAS DRIVE	LIVE OAK AVENUE	ENCINITA	103	1,316	36	47,376	C	AC/AC	66	81	88	$20,605	30,990	SLURRY SEAL AND CRACK SEAL
FLAHERTY STREET	CLOVERLY AVENUE	PRIMROSE AVENUE	FLAHERTY	117	582	30	17,460	R	AC/AC	64	81	88	$7,341	26,808	SLURRY SEAL AND CRACK SEAL
HERMOSA DRIVE	BURTON AVENUE	MUSCATEL AVENUE	HERMOSA	167	1,183	36	42,588	C	AC/AC	65	81	88	$18,523	30,990	SLURRY SEAL AND CRACK SEAL
MUSCATEL AVENUE	GARIBALDI AVENUE	LAS TUNAS DRIVE	MUSCATEL	253	2,090	36	75,240	C	AC/AC	48	81	88	$32,724	30,990	SLURRY SEAL AND CRACK SEAL
PARMERTON AVENUE	DANESWOOD DRIVE	DAINES DRIVE	PARMERTON	281	487	30	14,610	R	AC/AC	64	81	88	$6,143	26,808	SLURRY SEAL AND CRACK SEAL
SAINT JAMES DRIVE	CDS	GARIBALDI AVENUE	SAINTJAMES	349	173	30	8,553	R	AC/AC	67	81	88	$3,596	26,808	SLURRY SEAL AND CRACK SEAL
SPARKLETT STREET	ARDSLEY DRIVE	TEMPLE CITY BOULEVARD	SPARKLETT	355	245	28	6,860	R	AC/AC	94	81	88	$2,885	26,596	SLURRY SEAL AND CRACK SEAL
SPARKLETT STREET	TEMPLE CITY BOULEVARD	CAMELLIA AVENUE	SPARKLETT	356	367	28	10,276	R	AC/AC	67	81	88	$4,321	26,808	SLURRY SEAL AND CRACK SEAL
WORKMAN AVENUE	TEMPLE CITY BOULEVARD	ALLEY E/O TEMPLE CITY BOULEVARD	WORKMAN	406	235	36	8,460	C	AC/AC	92	81	88	$3,680	31,205	SLURRY SEAL AND CRACK SEAL
											Treatment Total		$152,262		

Year: 2027

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
ROSEMEAD BOULEVARD NB	SCL (RR CROSSING)	END OF PCC PAVEMENT	ROSEMEADNB	327	969	26	25,194	A	PCC	80	74	91	$102,270	19,668	DEEP PATCH (25%)
											Treatment Total		$102,270		
ROSEMEAD BOULEVARD NB	HERMOSA DRIVE	GARIBALDI AVENUE	ROSEMEADNB	318	1,096	30	32,880	A	AC/AC	83	73	100	$106,061	14,554	2" MILL AND OVERLAY (5% DIGOUTS)
ROSEMEAD BOULEVARD NB	END OF AC PAVEMENT	PENTLAND STREET	ROSEMEADNB	326	108	30	3,240	A	AC/AC	83	73	100	$10,452	14,554	2" MILL AND OVERLAY (5% DIGOUTS)
											Treatment Total		$116,513		
ARROWOOD STREET	CDS	DALEVIEW AVENUE	ARROWOOD	019	288	24	9,201	R	AC/AC	47	85	86	$16	1,014,604	SEAL CRACKS
CLOVERLY AVENUE	LIVE OAK AVENUE	BROADWAY	CLOVERLY	063	916	36	32,976	C	AC/AC	72	83	84	$96	942,298	SEAL CRACKS
CLOVERLY AVENUE	LOWER AZUSA ROAD	GIDLEY STREET	CLOVERLY	068	448	34	15,232	R	AC/AC	50	85	86	$26	1,014,604	SEAL CRACKS
DALEVIEW AVENUE	FREER STREET	GRAND AVENUE	DALEVIEW	081	1,212	38	47,328	C	AC/AC	73	70	73	$283	718,819	SEAL CRACKS
DANBURY STREET	CDS	SANTA ANITA AVENUE	DANBURY	084	195	24	6,412	R	AC/AC	50	85	86	$11	1,014,604	SEAL CRACKS
ELLIS LANE	TEMPLE CITY BOULEVARD	130 S/O LOWER AZUSA ROAD	ELLIS	092	1,000	36	36,000	C	AC/AC	55	83	84	$105	942,298	SEAL CRACKS
ELM AVENUE	ROSEMEAD BOULEVARD	130' E/O ROSEMEAD BOULEVARD	ELM	094	509	32	16,288	R	AC/AC	94	84	85	$37	877,929	SEAL CRACKS
HART AVENUE	HERMOSA DRIVE	LAS TUNAS DRIVE	HART	163	502	26	13,052	C	AC/AC	54	83	84	$38	942,298	SEAL CRACKS
LEMON AVENUE	OAK AVENUE	TEMPLE CITY BOULEVARD	LEMON	212	1,265	36	40,480	C	AC/AC	54	83	84	$118	942,298	SEAL CRACKS
LONGDEN AVENUE	MUSCATEL AVENUE	ROSEMEAD BOULEVARD	LONGDEN	229	1,083	36	38,988	C	AC/AC	70	83	84	$113	942,298	SEAL CRACKS
MUSCATEL AVENUE	LAS TUNAS DRIVE	SOUTH CITY LIMIT	MUSCATEL	254	200	36	7,200	C	AC/AC	56	83	84	$21	942,298	SEAL CRACKS
MYDA AVENUE	HERMOSA DRIVE	CDS	MYDA	255	414	27	12,726	R	AC/AC	49	85	86	$22	1,014,604	SEAL CRACKS
PENTLAND STREET	ENCINITA AVENUE	ALESSANDRO AVENUE	PENTLAND	284	1,126	34	38,284	R	AC/AC	75	74	76	$208	625,711	SEAL CRACKS

Scenarios - Sections Selected for Treatment

Interest: 3.00% Inflation: 3.00% Printed: 09/28/2018

Scenario: City's Budget

Year: 2027

Street Name	Begin Location	End Location	Street ID	Section ID	Length	Width	Area	FC	Surf Type	Current PCI	Treatment PCI Before	Treatment PCI After	Cost	Rating	Treatment
RANCHO REAL ROAD	SULTANA AVENUE	LOMA AVENUE	RANCHOREAL	297	707	36	25,452	R	AC/AC	46	85	86	$44	1,014,604	SEAL CRACKS
ROCCUS LANE	BURTON AVENUE	CDS	ROCCUS	309	208	26	7,530	R	AC/AC	46	85	86	$13	1,014,604	SEAL CRACKS
RYLAND AVENUE	LA ROSA DRIVE	LOWER AZUSA ROAD	RYLAND	348	1,542	36	55,512	R	AC/AC	47	85	86	$95	1,014,604	SEAL CRACKS
SPARKLETT STREET	CAMELLIA AVENUE	KAUFFMAN AVENUE	SPARKLETT	357	345	28	9,660	R	AC/AC	54	85	86	$17	1,014,604	SEAL CRACKS
SULTANA AVENUE	HERMOSA DRIVE	LAS TUNAS DRIVE	SULTANA	363	658	26	17,108	C	AC/AC	53	83	84	$50	942,298	SEAL CRACKS
SULTANA AVENUE	LAS TUNAS DRIVE	BROADWAY	SULTANA	364	1,840	36	66,240	C	AC/AC	56	83	84	$192	942,298	SEAL CRACKS
VAL STREET	GOLDEN WEST AVENUE	EAST CITY LIMIT	VALSTREET	378	669	28	18,732	C	AC/AC	55	83	84	$55	942,298	SEAL CRACKS
WORKMAN AVENUE	ROWLAND AVENUE	CITY LIMIT	WORKMAN	412	224	36	8,064	C	AC/AC	54	83	84	$24	942,298	SEAL CRACKS
												Treatment Total	$1,584		
AGNES AVENUE	OLIVE STREET	LA ROSA DRIVE	AGNES	004	1,462	32	46,784	C	AC/AC	17	0	100	$449,341	6,105	RECONSTRUCT STRUCTURE (AC)
AGNES AVENUE	LA ROSA DRIVE	LOWER AZUSA ROAD	AGNES	005	1,540	36	55,440	C	AC/AC	28	0	100	$532,478	6,105	RECONSTRUCT STRUCTURE (AC)
												Treatment Total	$981,819		
				Year 2027 Area Total			1,101,654					Year 2027 Total	$1,398,320		
				Total Section Area:			10,945,284					Grand Total	$1**3,962,708**		

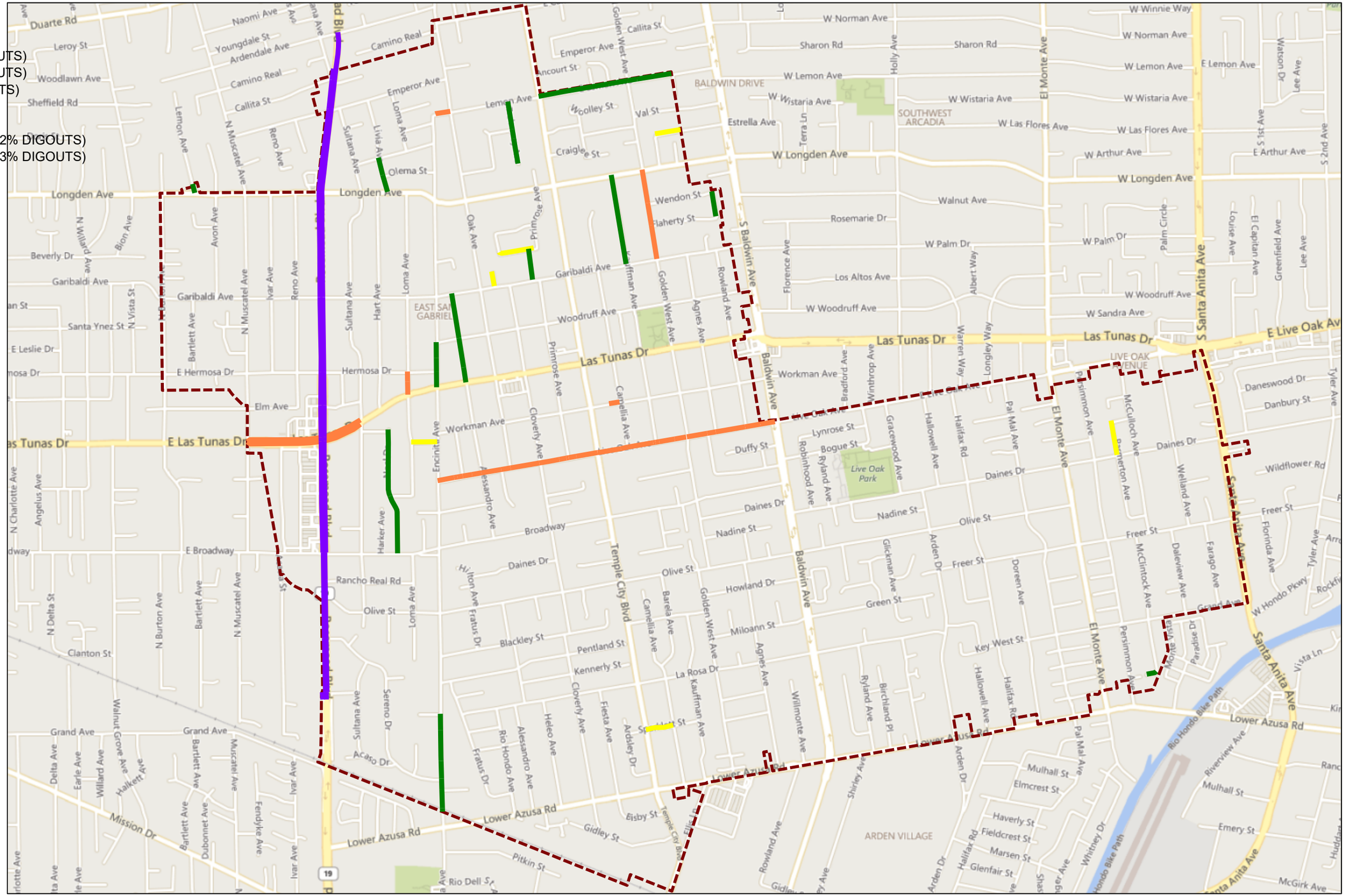
Temple City

Scenario Treatments

Scenario 1: City's Budget - 2018 Project Period

Feature Legend

- 2" MILL AND OVERLAY
- 2" MILL AND OVERLAY (10% DIGOUTS)
- 2" MILL AND OVERLAY (15% DIGOUTS)
- 2" MILL AND OVERLAY (5% DIGOUTS)
- MICROSURFACING
- SLURRY SEAL AND CRACK SEAL
- SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
- SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)



0 0.5 Miles

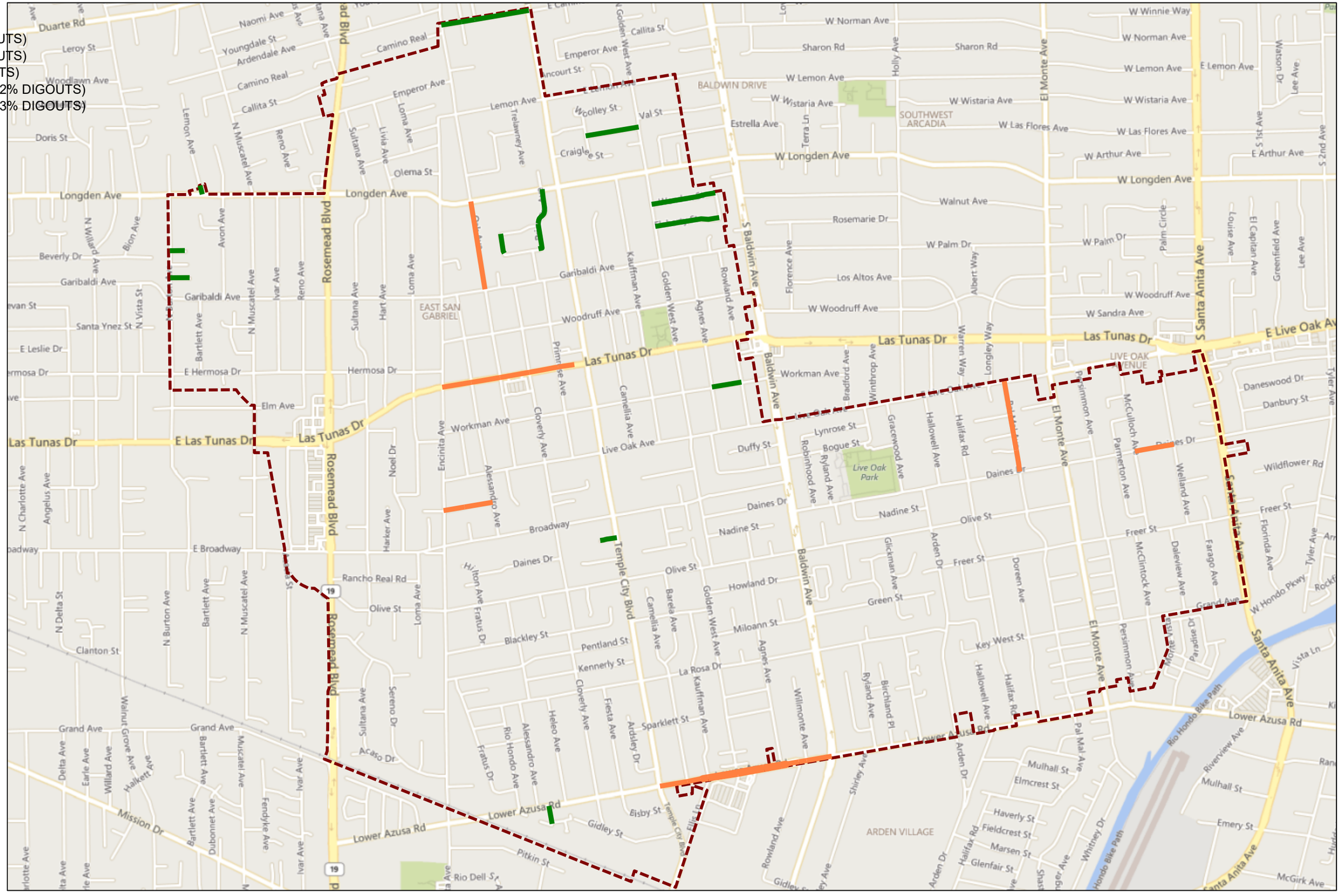
Temple City

Scenario Treatments

Scenario 1: City's Budget - 2019 Project Period

Feature Legend

- 2" MILL AND OVERLAY (10% DIGOUTS)
- 2" MILL AND OVERLAY (15% DIGOUTS)
- 2" MILL AND OVERLAY (5% DIGOUTS)
- SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
- SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)



0 0.5 Miles

Temple City

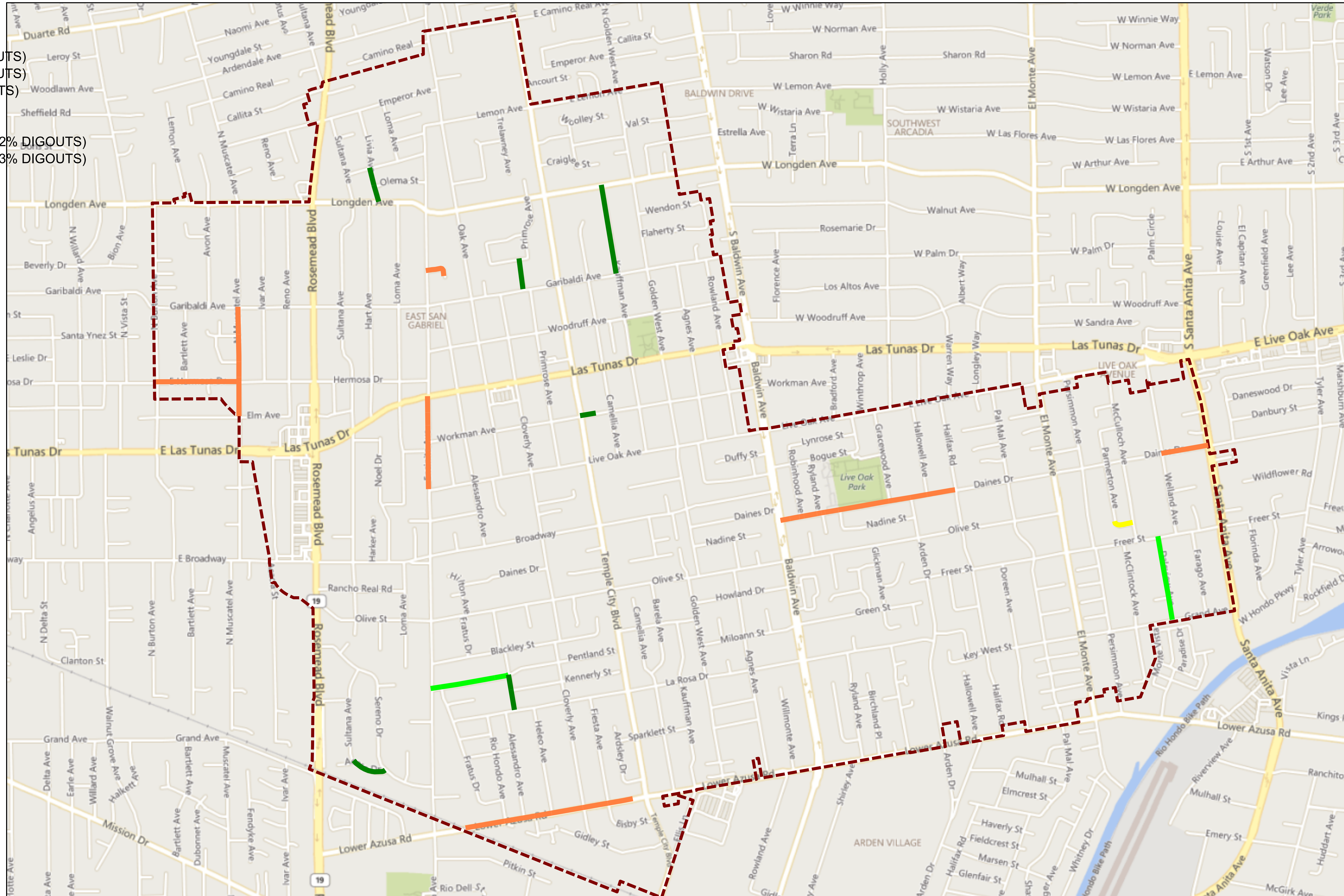
Scenario Treatments

Scenario 1: City's Budget - 2020 Project Period

Feature Legend

- 2" MILL AND OVERLAY
- 2" MILL AND OVERLAY (10% DIGOUTS)
- 2" MILL AND OVERLAY (15% DIGOUTS)
- 2" MILL AND OVERLAY (5% DIGOUTS)
- SEAL CRACKS
- SLURRY SEAL AND CRACK SEAL
- SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
- SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)

0 0.5 Miles



Temple City

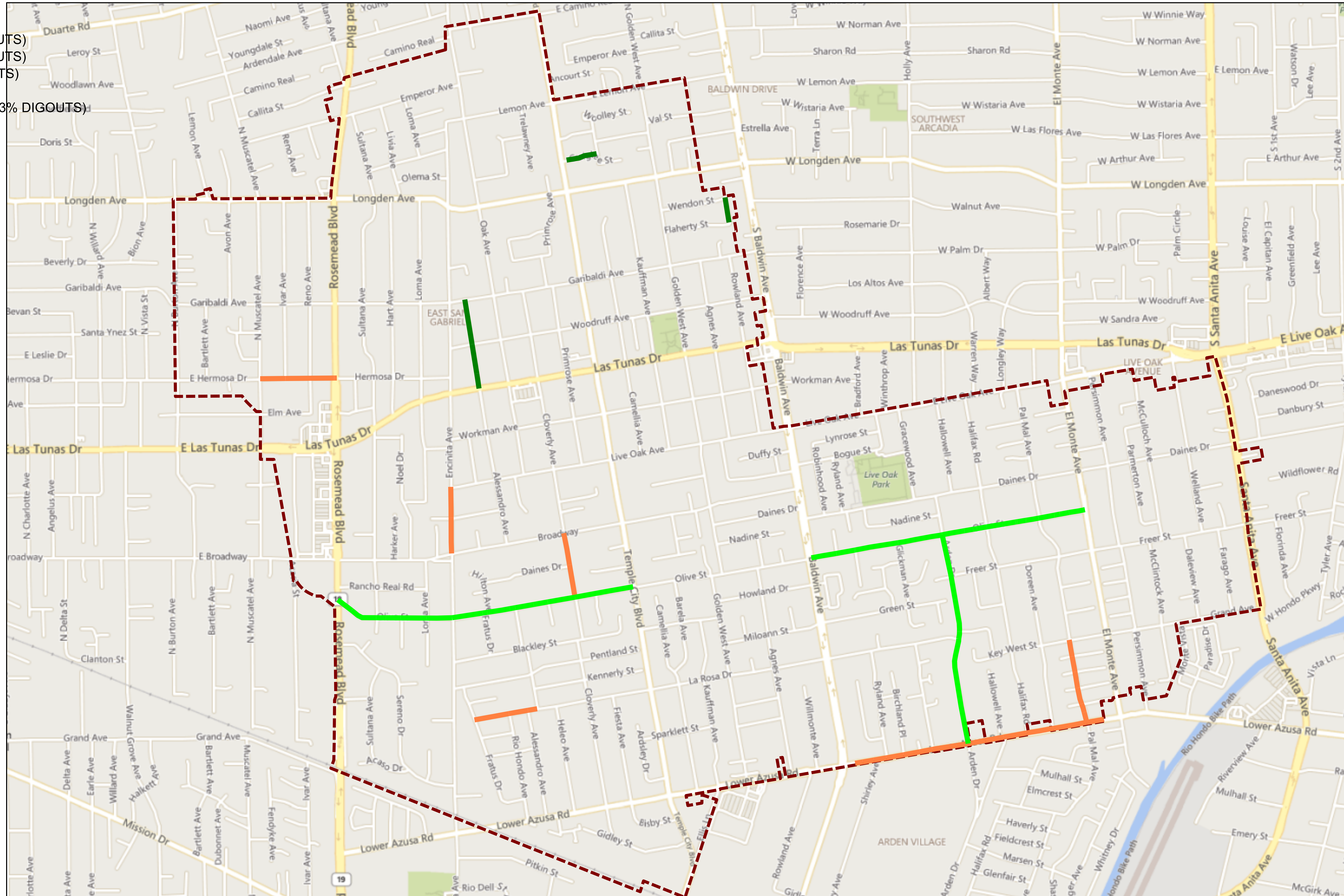
Scenario Treatments

Scenario 1: City's Budget - 2021 Project Period

Feature Legend

- 2" MILL AND OVERLAY (10% DIGOUTS)
- 2" MILL AND OVERLAY (15% DIGOUTS)
- 2" MILL AND OVERLAY (5% DIGOUTS)
- SEAL CRACKS
- SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)

0 0.5 Miles



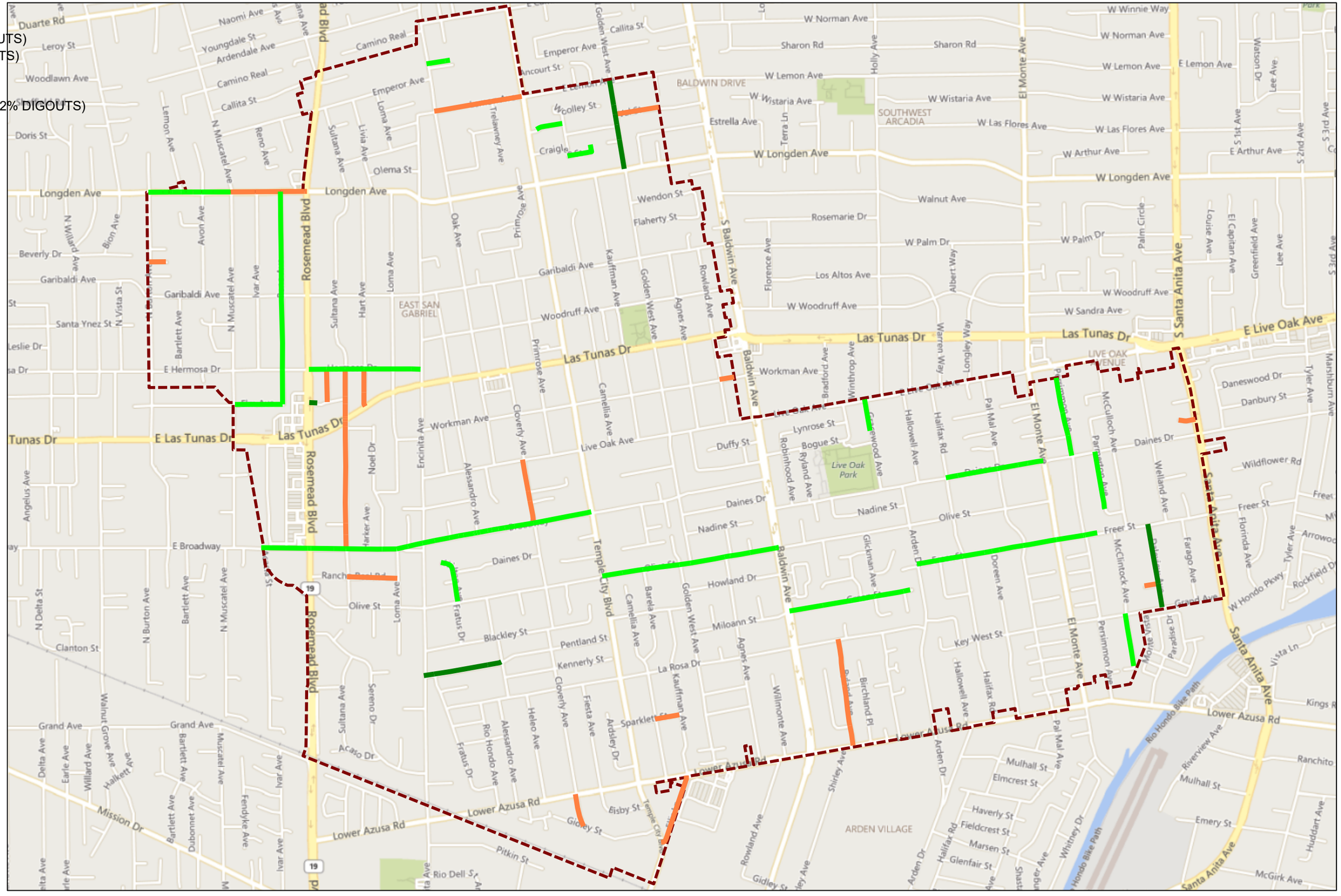
Temple City

Scenario Treatments

Scenario 1: City's Budget - 2022 Project Period

Feature Legend

- 2" MILL AND OVERLAY (10% DIGOUTS)
- 2" MILL AND OVERLAY (5% DIGOUTS)
- SEAL CRACKS
- SLURRY SEAL AND CRACK SEAL
- SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)



Temple City

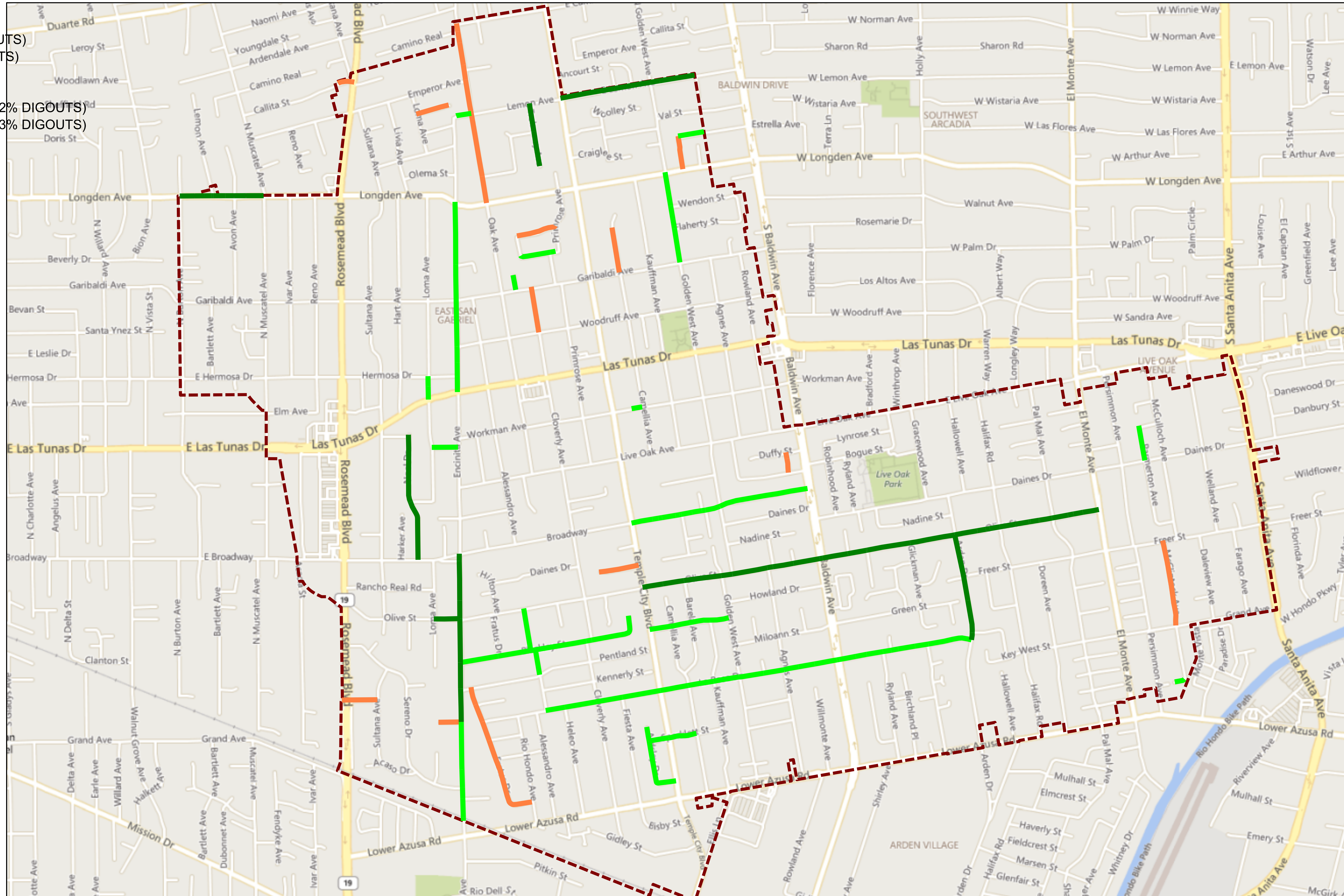
Scenario Treatments

Scenario 1: City's Budget - 2023 Project Period

Feature Legend

- 2" MILL AND OVERLAY (10% DIGOUTS)
- 2" MILL AND OVERLAY (5% DIGOUTS)
- SEAL CRACKS
- SLURRY SEAL AND CRACK SEAL
- SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
- SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)

0 0.5 Miles



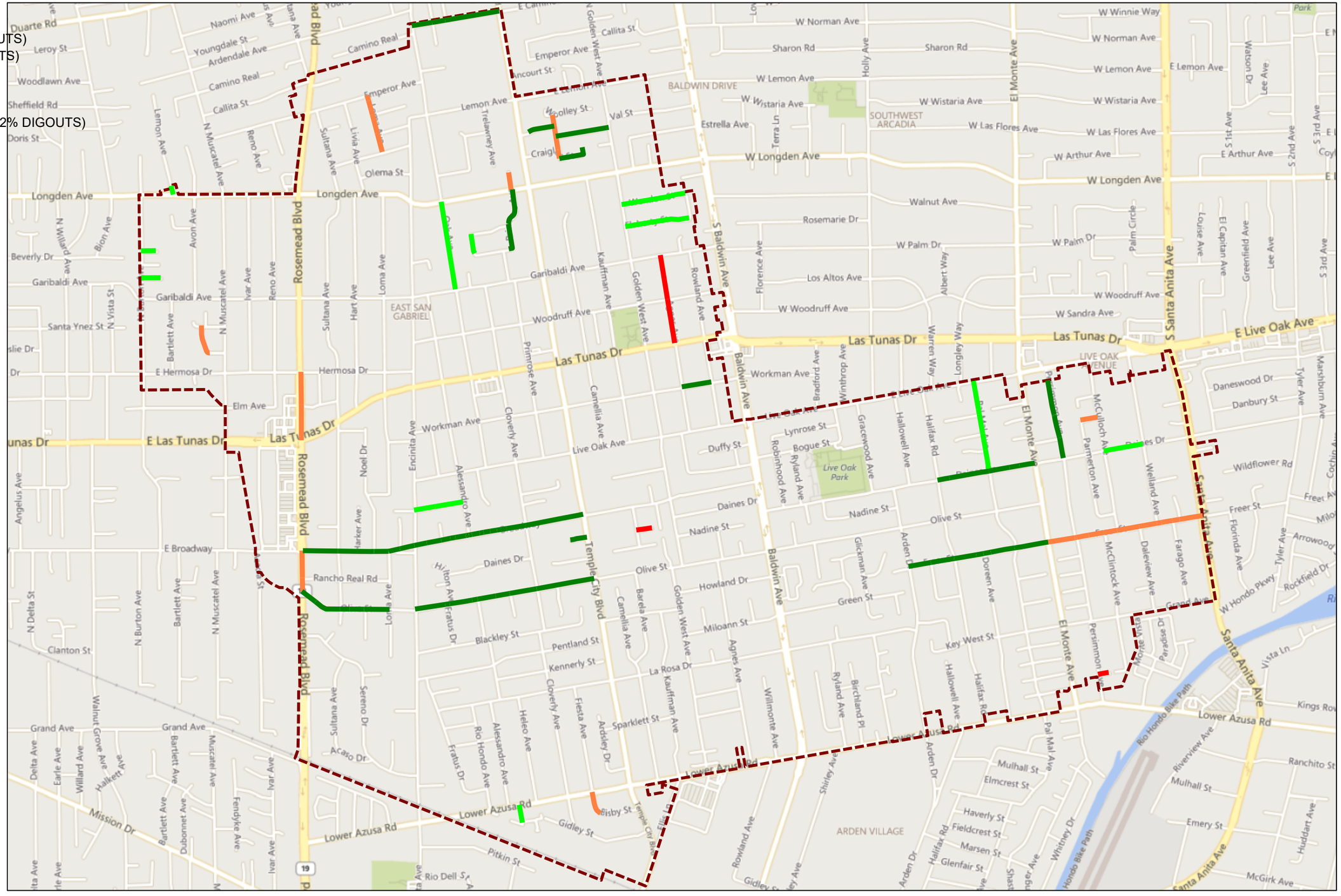
Temple City

Scenario Treatments

Scenario 1: City's Budget - 2024 Project Period

Feature Legend

- 2" MILL AND OVERLAY (10% DIGOUTS)
- 2" MILL AND OVERLAY (5% DIGOUTS)
- RECONSTRUCT STRUCTURE (AC)
- SEAL CRACKS
- SLURRY SEAL AND CRACK SEAL
- SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)



Temple City

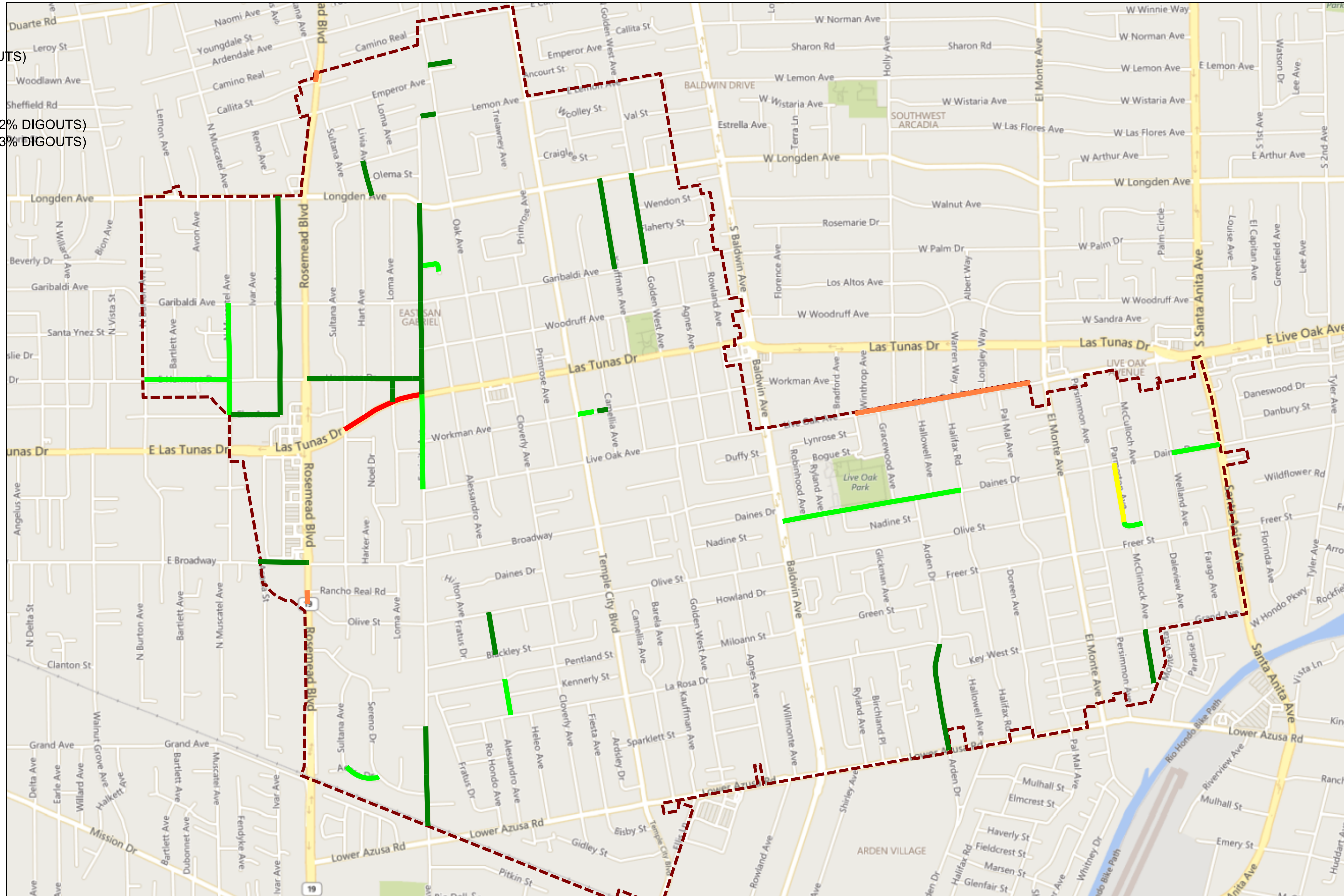
Scenario Treatments

Scenario 1: City's Budget - 2025 Project Period

Feature Legend

- 2" MILL AND OVERLAY
- 2" MILL AND OVERLAY (10% DIGOUTS)
- RECONSTRUCT STRUCTURE (AC)
- SEAL CRACKS
- SLURRY SEAL AND CRACK SEAL
- SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)
- SLURRY SEAL AND CRACK SEAL (3% DIGOUTS)

0 0.5 Miles



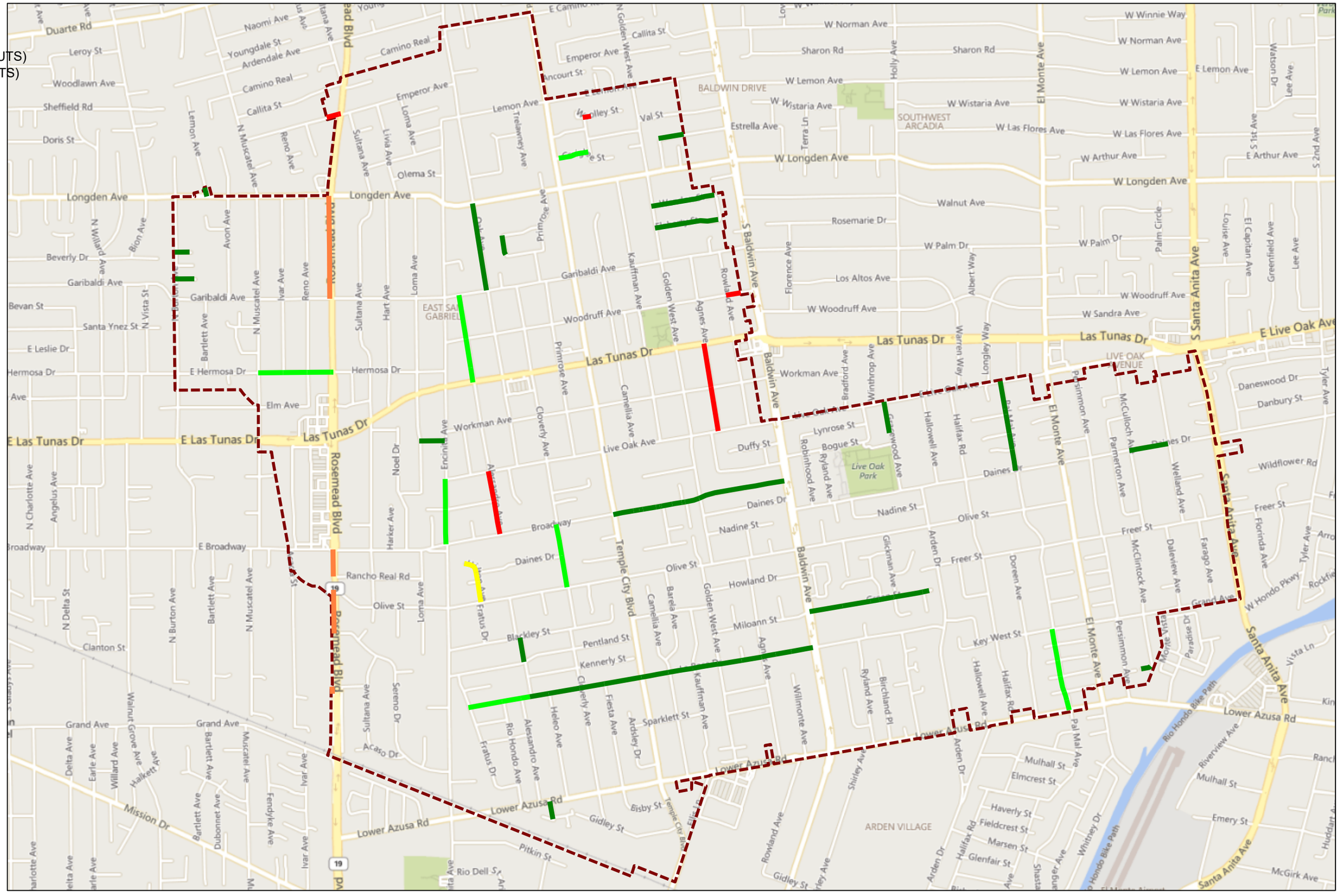
Temple City

Scenario Treatments

Scenario 1: City's Budget - 2026 Project Period

Feature Legend

- 2" MILL AND OVERLAY
- 2" MILL AND OVERLAY (10% DIGOUTS)
- 2" MILL AND OVERLAY (5% DIGOUTS)
- RECONSTRUCT STRUCTURE (AC)
- SEAL CRACKS
- SLURRY SEAL AND CRACK SEAL



0 0.5 Miles

Temple City

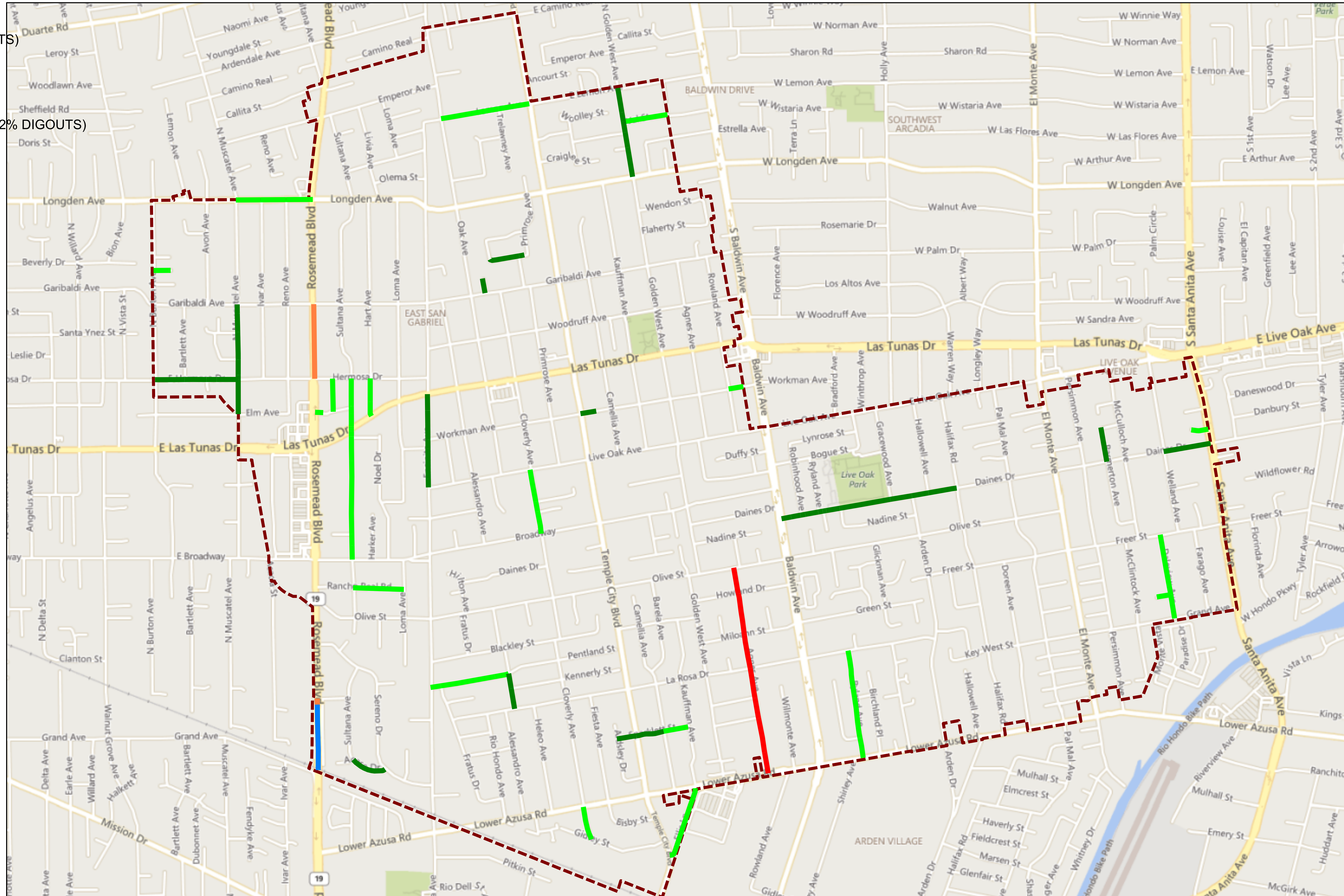
Scenario Treatments

Scenario 1: City's Budget - 2027 Project Period

Feature Legend

- 2" MILL AND OVERLAY (5% DIGOUTS)
- DEEP PATCH (25%)
- RECONSTRUCT STRUCTURE (AC)
- SEAL CRACKS
- SLURRY SEAL AND CRACK SEAL
- SLURRY SEAL AND CRACK SEAL (2% DIGOUTS)

0 0.5 Miles



Appendix H

GIS Maps

Current (2018) PCI Condition

Temple City

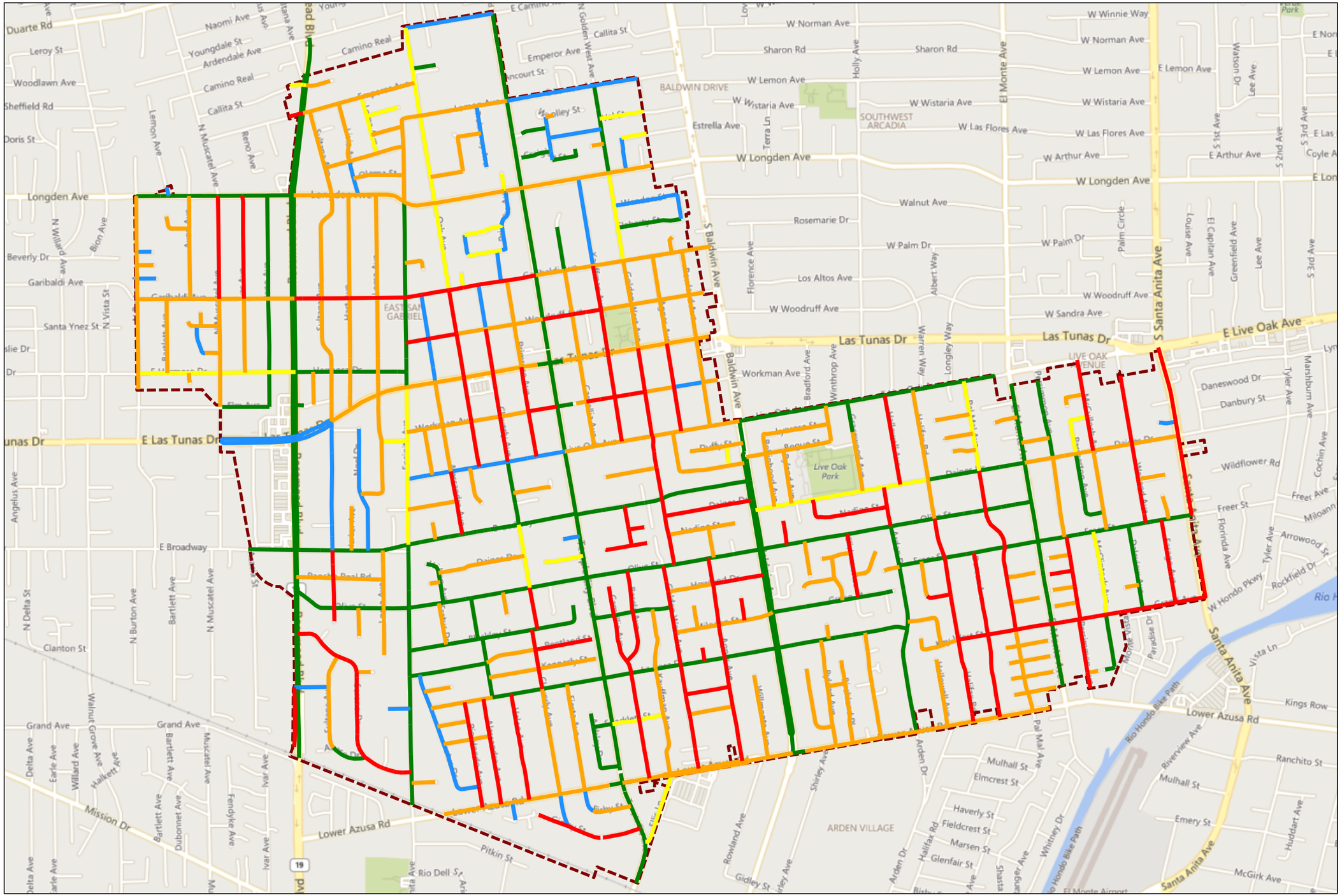
2018 PCI Condition

Printed: 9/28/2018

Feature Legend

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

0 0.5 Miles



NCE

Collaboration. Commitment. Confidence.SM

Projected Network Condition
FY 2027/28

Under Scenarios 1 - 5

Temple City

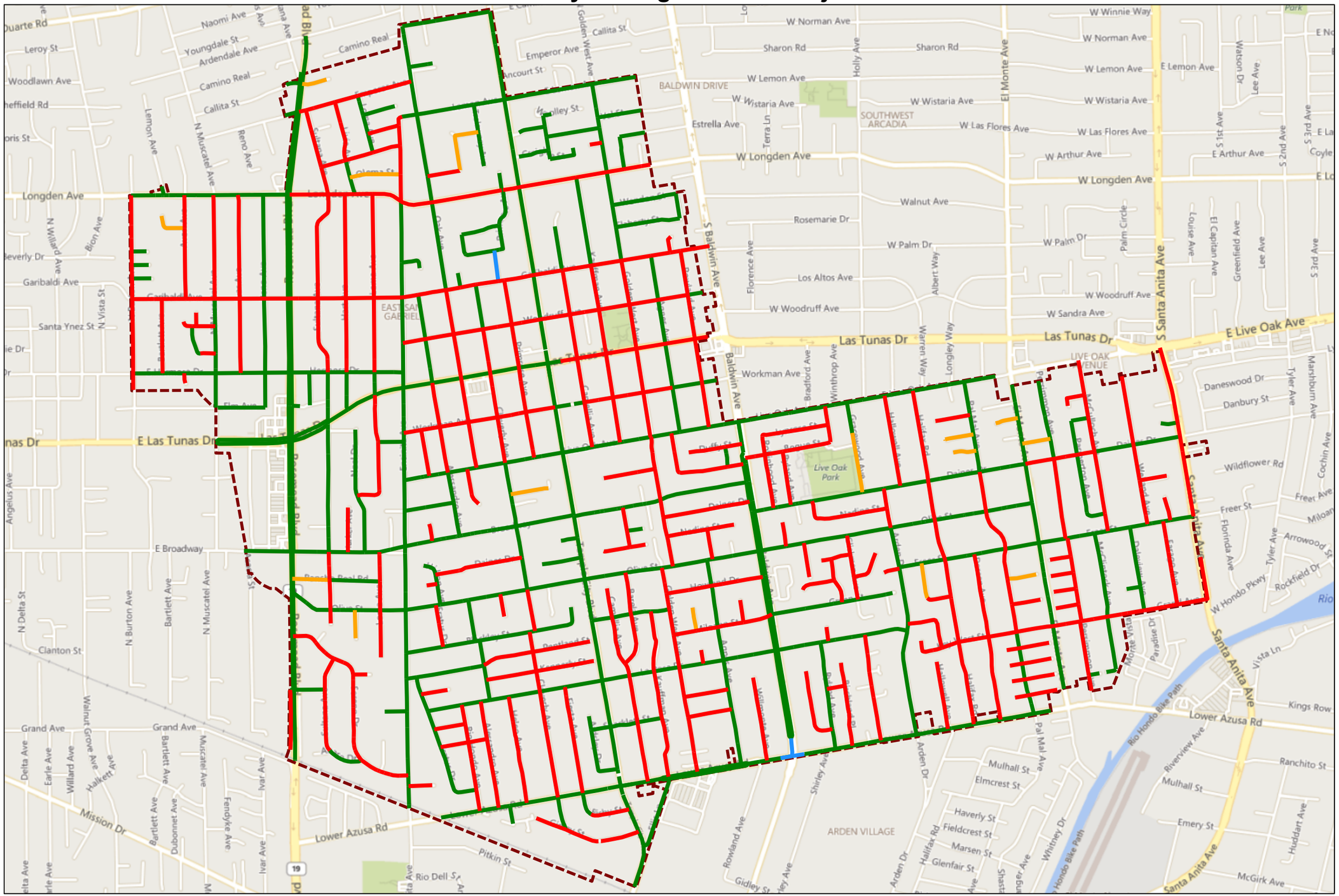
Scenario PCI Condition

Scenario 1: City's Budget - 2027 Project Period

Feature Legend

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

0 0.5 Miles



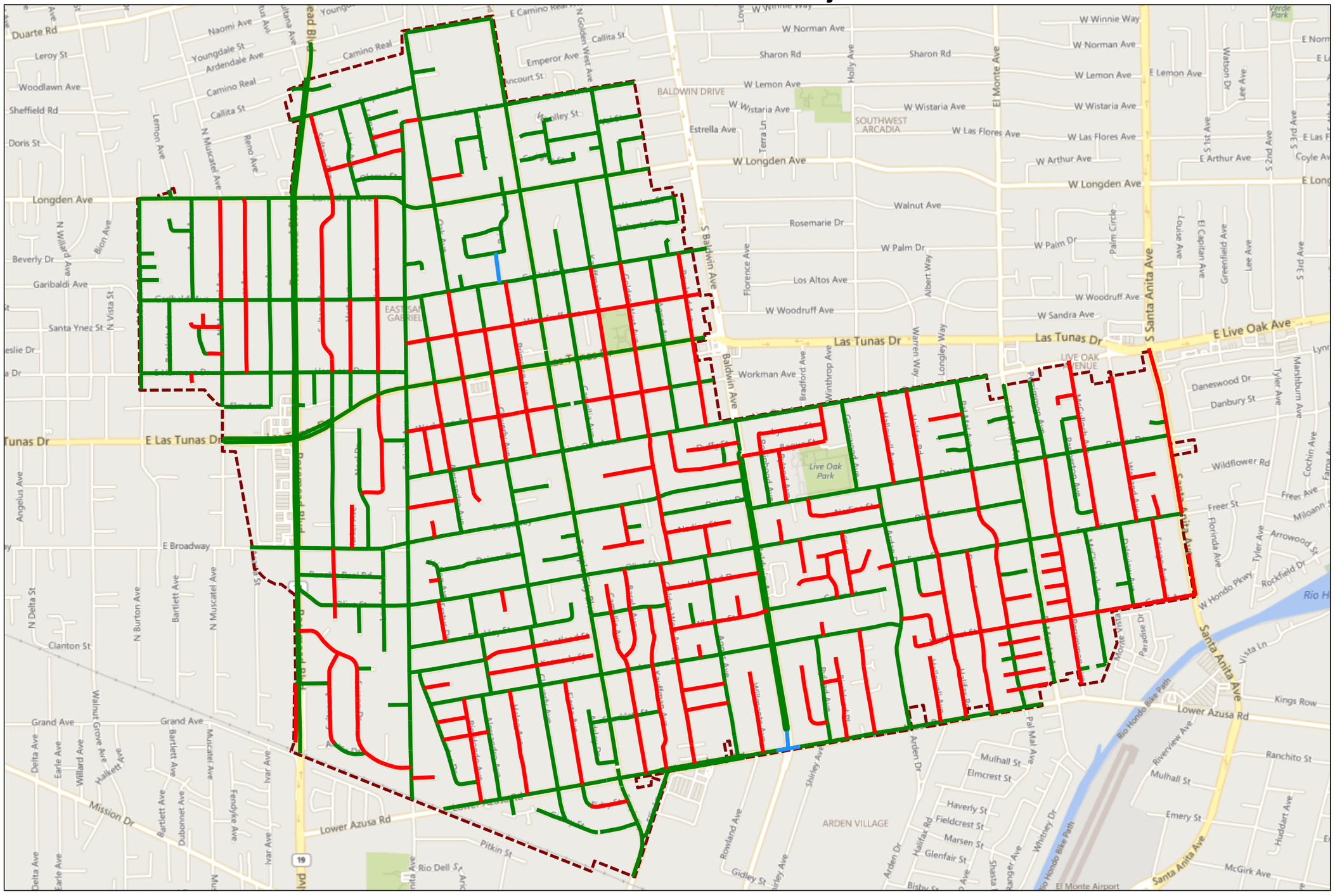
Temple City

Scenario PCI Condition

Scenario 2: Maintain PCI 58 - 2027 Project Period

Feature Legend

- Category I - Very Good
- Category II - Good (Non-Load)
- Category V - Very Poor



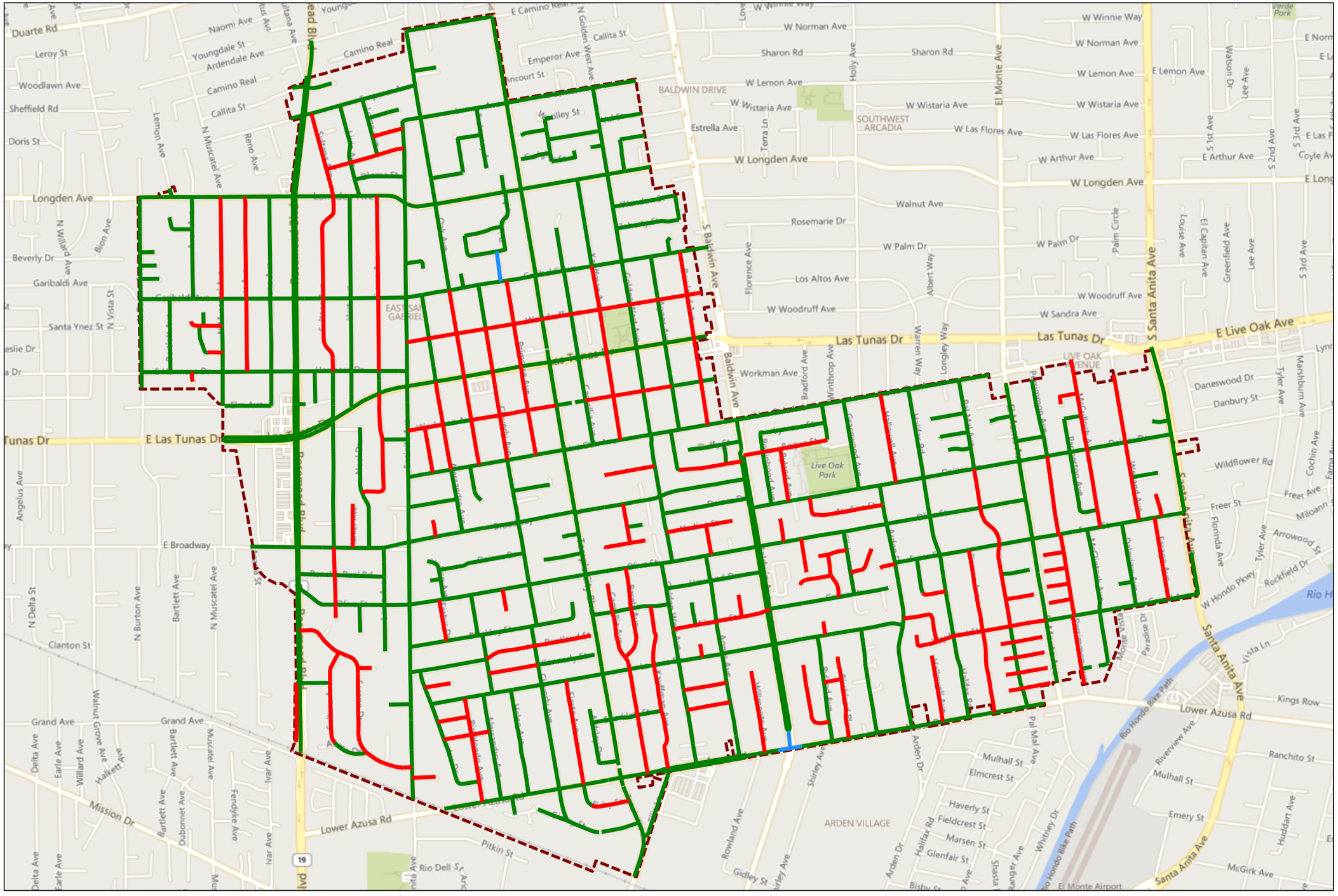
Temple City

Scenario PCI Condition

Scenario 3: Improve PCI to 65 - 2027 Project Period

Feature Legend

- Category I - Very Good
- Category II - Good (Non-Load)
- Category V - Very Poor



0 0.5 Miles

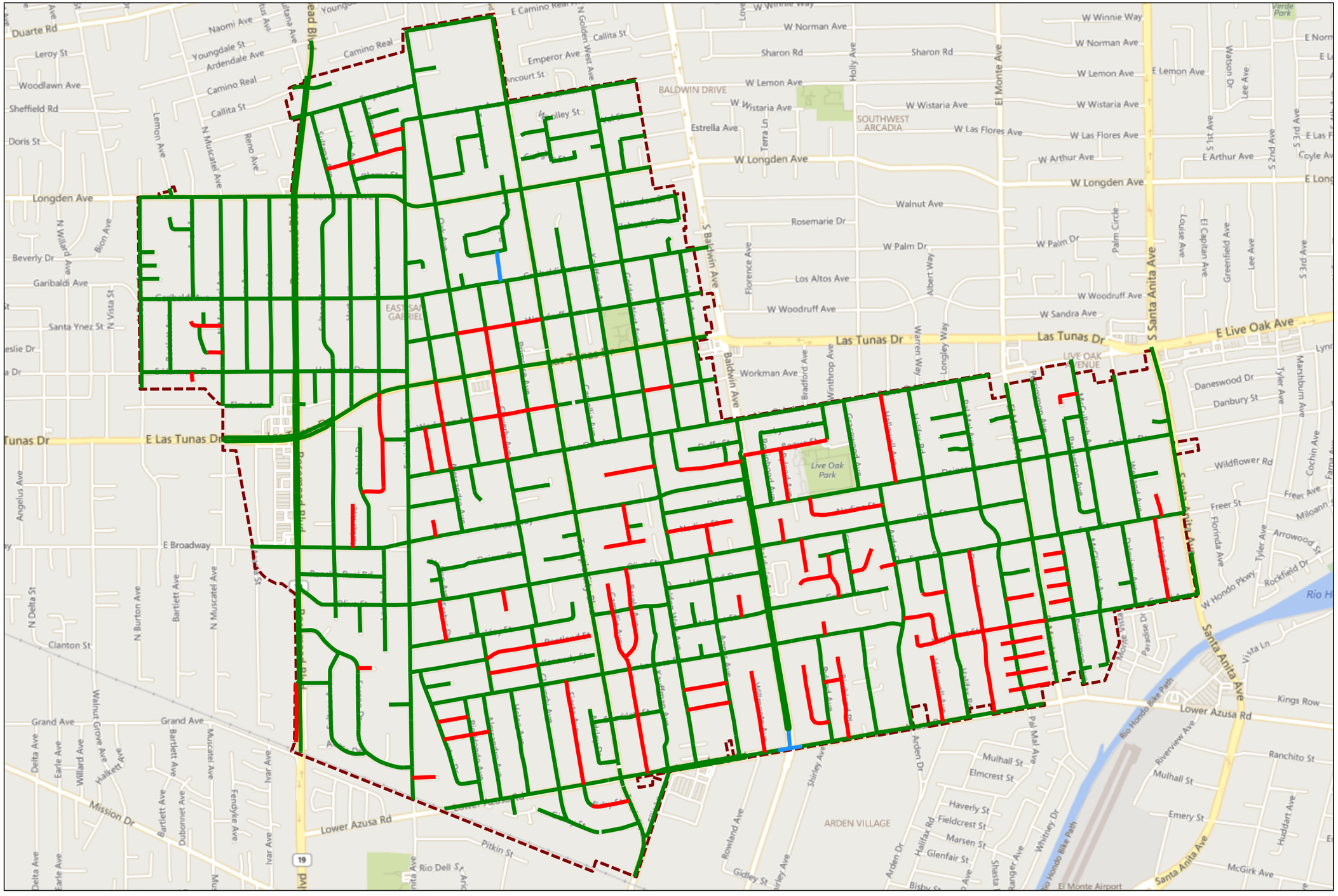
Temple City

Scenario PCI Condition

Scenario 4: Improve PCI to 75 - 2027 Project Period

Feature Legend

- Category I - Very Good
- Category II - Good (Non-Load)
- Category V - Very Poor



0 0.5 Miles

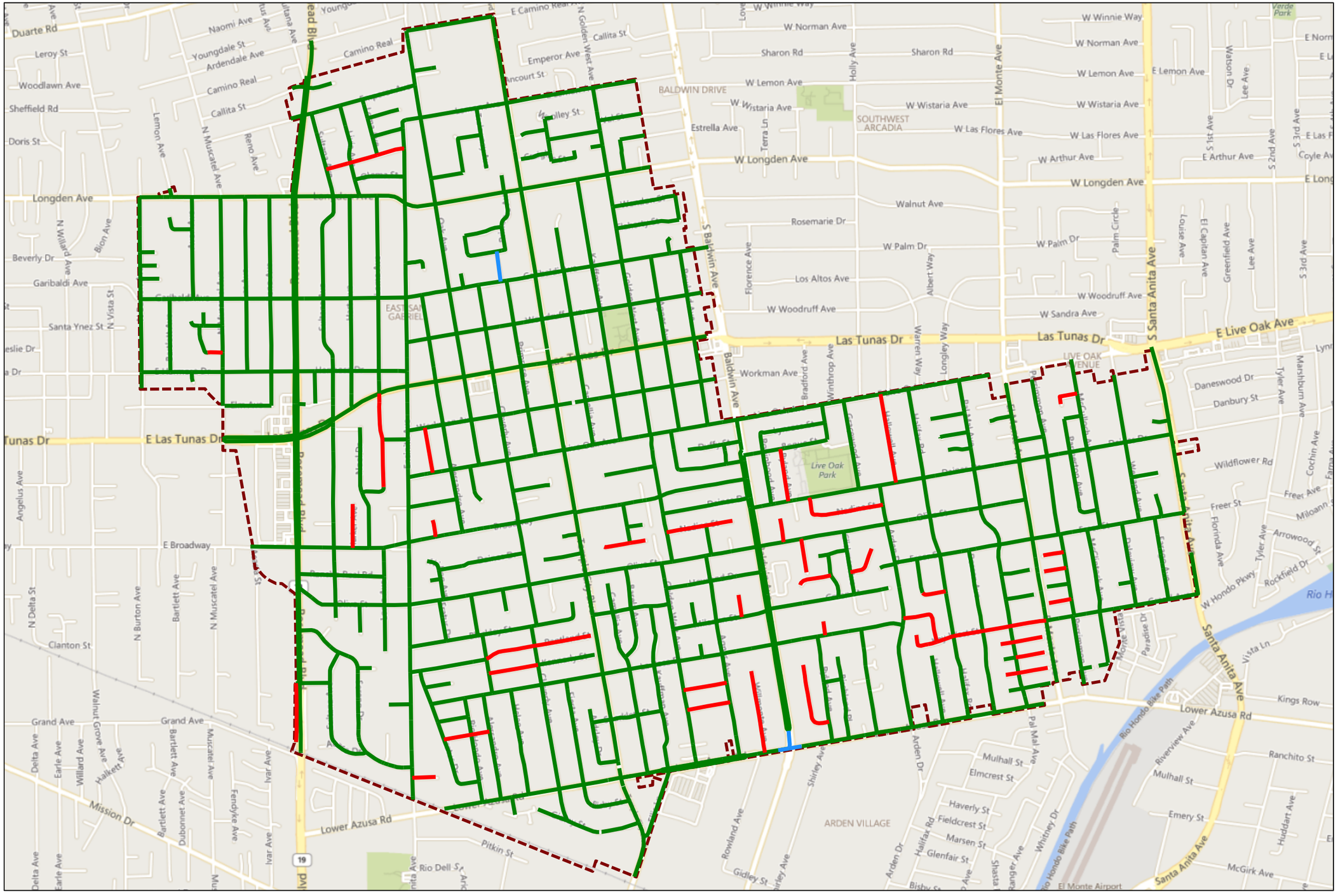
Temple City

Scenario PCI Condition

Scenario 5: Improve PCI to 80 - 2027 Project Period

Feature Legend

- Category I - Very Good
- Category II - Good (Non-Load)
- Category V - Very Poor



0 0.5 Miles

NCE

Collaboration. Commitment. Confidence.℠

Appendix I

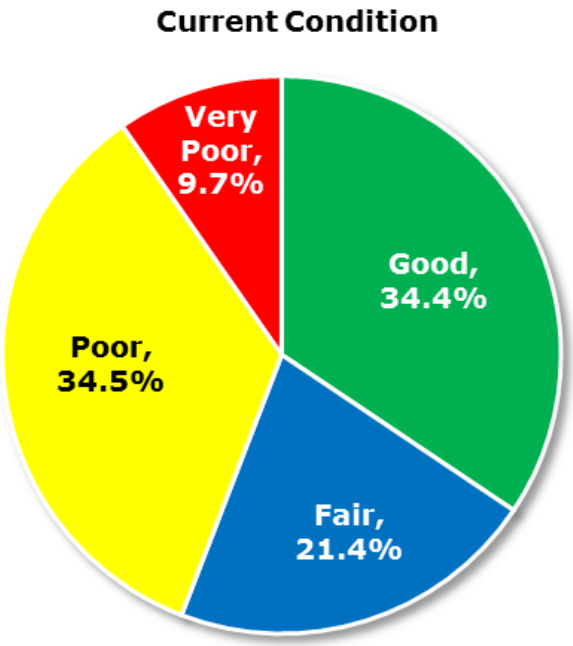
Pavement Network Breakdown - 20-Year Analysis

Current Condition (2018)

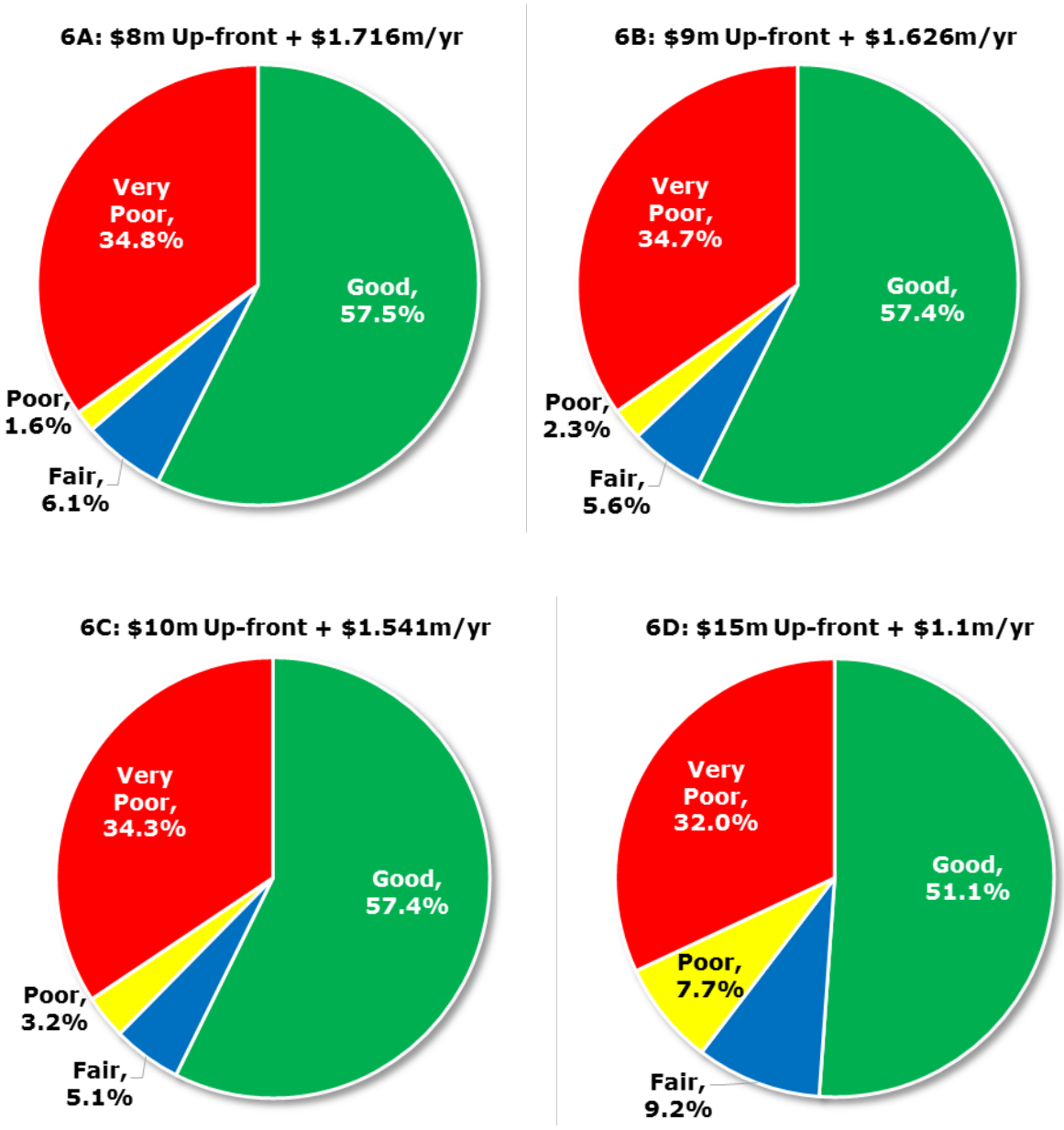
Projected Condition (FY 2038/39) Scenarios 6A-9D

Pavement Network Breakdown – 20-Year Analysis

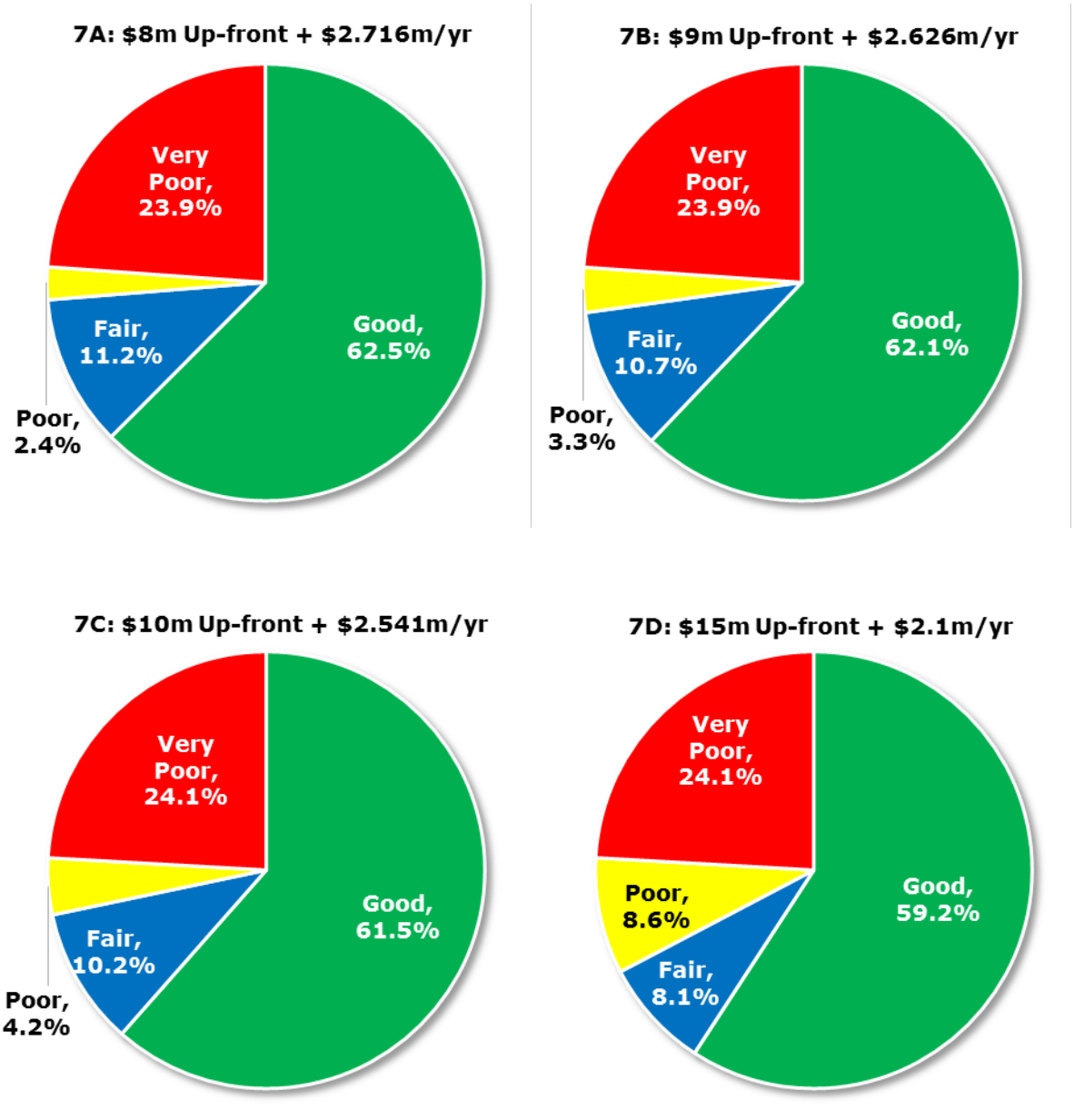
The purpose of this section is to provide the City a graphical view of the pavement network condition breakdown under the current condition and the projected conditions in FY 2038/39 under the 16 budget scenarios (6A to 9D). The projected conditions are under the assumption that the City follows the treatment selected by StreetSaver for the next 20 years.



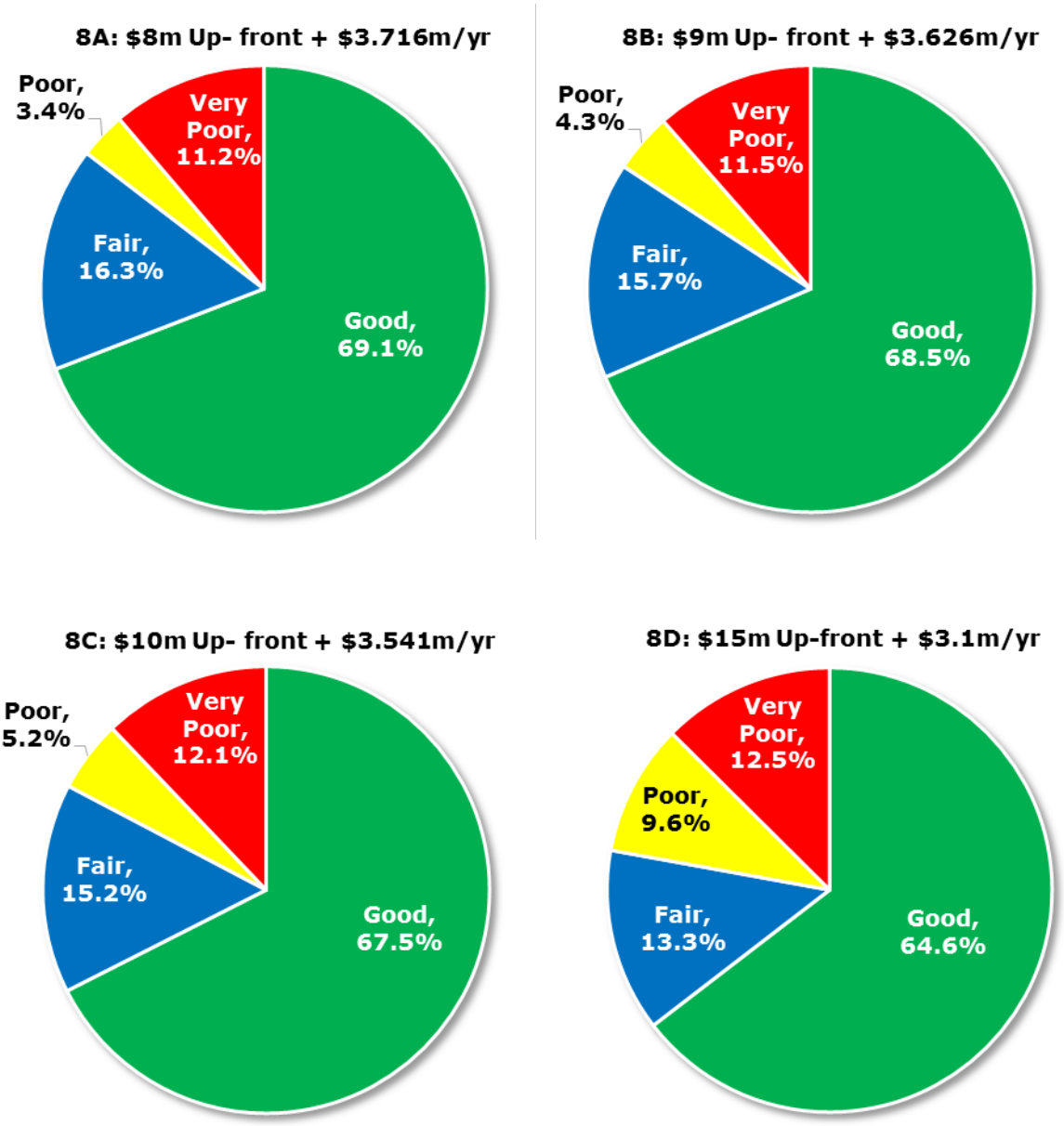
Projected Pavement Condition in FY 2038/39 under Scenario 6 (A-D):



Projected Pavement Condition in FY 2038/39 under Scenario 7 (A-D):



Projected Pavement Condition in FY 2038/39 under Scenario 8 (A-D):



Projected Pavement Condition in FY 2038/39 under Scenario 9 (A-D):

