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# **City of Clearlake**

## **Pavement Management Program Update Final Report**



**Submitted to:**

**City of Clearlake  
Department of Public Works  
14050 Olympic Drive  
Clearlake, CA 95422**

**March 2012**



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## Background

Nichols Consulting Engineers, Chtd. (NCE) was selected by the Lake County City Area Planning Council to update the City of Clearlake's pavement management program in 2011. The network is comprised of approximately 111.85 centerline miles, of which 6.13 miles are arterials, 23.45 miles are collectors, and 82.26 miles are residential/local streets. Of this, approximately 62.8 miles are paved. This report is focused only on the paved street network.

The unit costs of the pavement maintenance strategies were also updated based on recent bid tabs from 2010/2011. Modifications to the functional classification of streets were made based on input provided by the City. This change has significantly changed the number of miles that are arterials and collectors. Then, a budget needs analysis was performed. In addition, three budgetary scenarios were analyzed. This report summarizes the results of NCE's analyses.

## Purpose

The purpose of this report is to assist decision makers in utilizing the results of the Metropolitan Transportation Commission (MTC) StreetSaver Program. Specifically, this report links the recommended repair program costs to the City of Clearlake's current and projected budget alternatives to improve overall maintenance and rehabilitation strategies. This report assesses the adequacy of ideal and projected revenues to meet the maintenance needs recommended by the PMP program. It also maximizes the return from expenditures by:

- (1) implementing a multi-year road rehabilitation and maintenance program;
- (2) developing a preventative maintenance program; and
- (3) selecting the most cost effective repairs.

This report assists the City of Clearlake with identifying maintenance priorities specific to its needs. This study examines the overall condition of the road network and highlights options for improving the current network-level pavement condition index (PCI). These options are developed by conducting "what-if" analyses using the City of Clearlake pavement management system database. By varying the budget amounts available for pavement maintenance and repair, one can show how different funding strategies can impact the City's roads over the next five years.

## Network Description

The City of Clearlake is responsible for the management, repair and maintenance of approximately 111.85 centerline miles of pavements, or 448 sections, of which 62.8 miles are paved. Again, the results of this report are based only on the paved network. The table below summarizes the lengths of the roads in the network by functional class.

**TABLE 1. Network Summary Statistics for the City of Clearlake (Paved).**

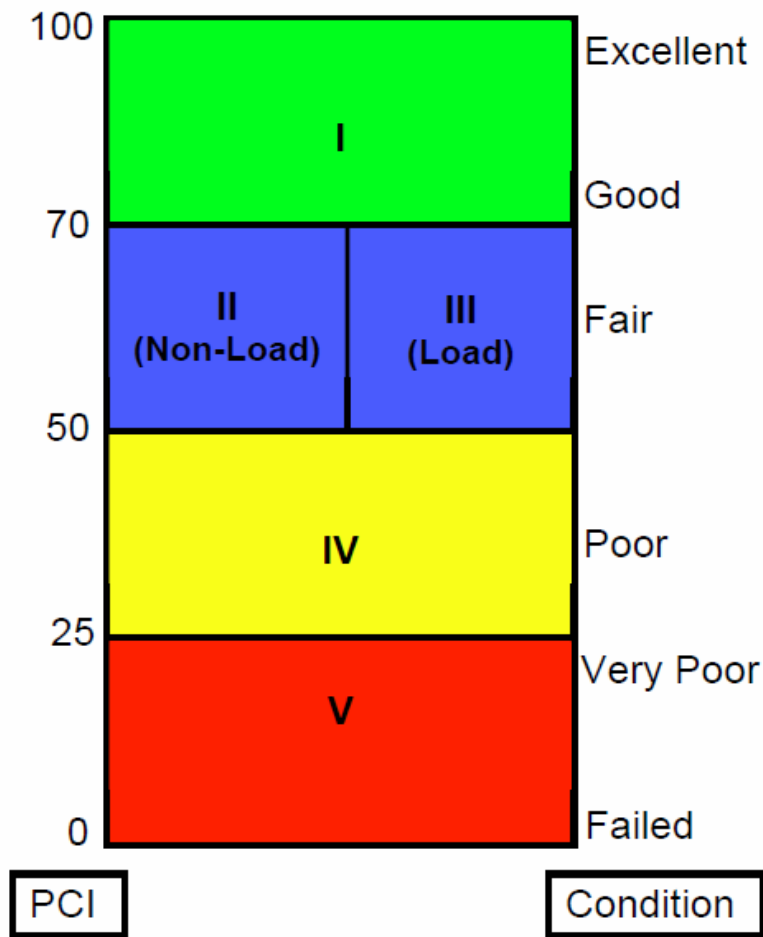
Functional Class	Sections	Centerline Miles	Lane Miles
Arterial	13	6.13	12.26
Collector	55	23.13	46.26
Residential/Local	177	33.54	67.09
Total	245	62.8	125.61

The network replacement Cost is defined as the reconstruction of all the pavement sections in the City. **The network replacement cost of the City's pavements is estimated at \$52.7 million.** Details of the pavement inventory can be found in Appendix A of this report.

## Pavement Current Condition

The pavement condition index, or PCI, is a measurement of pavement grade or condition and ranges from 0 to 100. A newly constructed road would have a PCI of 100, while a failed road would have a PCI of 10 or less. The average 2011 PCI of the street network of the City is 38, which is in "poor" condition. There was no significant change in network PCI between the 2008 and 2011 surveys. The average PCI improved from 58 to 83 for arterial streets and from 37 to 41 for collector streets in part due to the maintenance and rehabilitation work performed in the past three years. The modifications made to the functional classification of streets during the current pavement management update also had an impact on these changes in PCI values. The average PCI of residential streets subsequently decreased from 33 to 25. Figure 1 illustrates the definitions of the pavement condition categories. Appendix B contains a colored coded PCI map of the street network.





**FIGURE 1. Pavement Condition Categories by PCI**

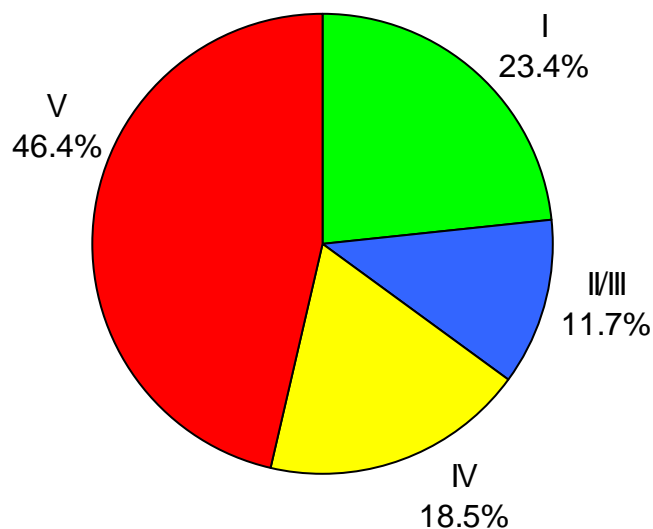
The City has been utilizing crack seals and surface treatments such as slurry seals, chip seals and cape seals as means of preventive maintenance when the pavements are in “fair” condition or above. When the pavement condition deteriorates, thin overlays, cold-in-place recycling, overlays and full depth reclamation have been performed. Base repairs are commonly used as preparation prior to overlays. These treatments are formalized in the maintenance and rehabilitation descriptions as shown in Appendix C.

Table 2 below, summarizes the average condition of the road network by functional class. Detailed condition data for each street can also be found in Appendix A of this report.

**TABLE 2. Pavement Condition Summary by Functional Classification (2012)**

Functional Class	2012 Average PCI (weighted by area)
Arterial	83
Collector	41
Residential/Local	25
All	38

Approximately 23.4 percent of the City's pavement area is in the "good" or "excellent" condition category vs. 17.5 percent in 2008, and approximately 11.7 percent is in fair condition. Even though there is a slight improvement in the percent of streets that are above fair condition, approximately two-thirds of the network is still in "poor" or failed condition (Figure 2 summarizes the percent of pavement area by condition category).



**FIGURE 2. Pavement Condition Summary by Condition Category (2011)**

## Maintenance and Rehabilitation Treatments

Figure 3 below demonstrates that pavement maintenance follows the old colloquial saying of "pay me now, or pay me more later". History has shown that it costs much less to maintain roads in good condition than to repair roads that have failed. By allowing pavements to deteriorate, roads that once cost less than \$1.70 per square yard (\$/sy) to slurry seal or crack seal may soon cost \$31.40/sy to overlay or recycle or \$49.80/sy for full depth reclamation. In other words, delays in repairs can result in costs increasing as much as 30-fold. Note that the unit cost for individual rehabilitation treatments has reduced significantly from the 2008 report (from \$5.00/sy for chip seal, \$59.00/sy for mill & overlays and \$98.50/sy for reconstruction). Unit costs for individual treatment options selected by the City are detailed in Appendix D. With the new rehabilitation options, the City will be able to stretch the value of available dollars and better maintain the pavement network with the limited funds available.

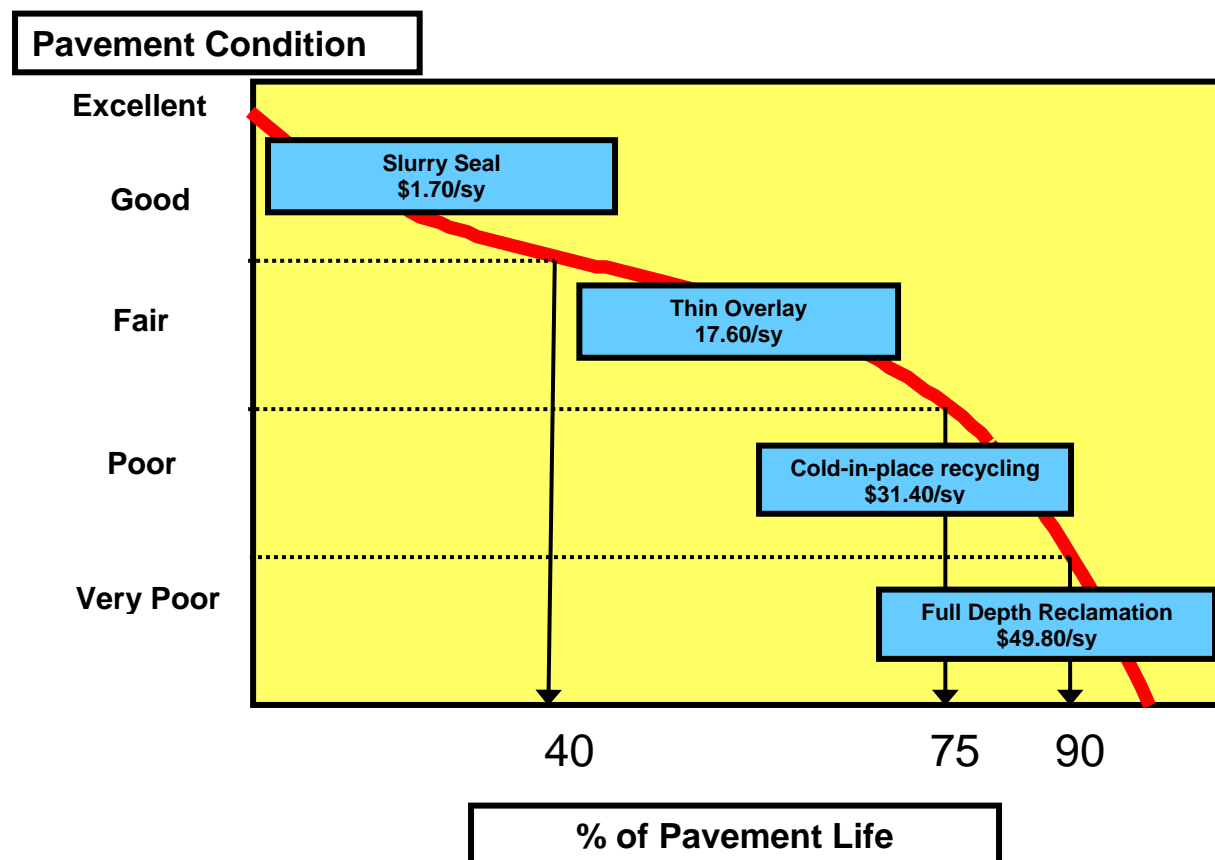


FIGURE 3. Costs of Maintaining Pavements Over Time

## Budget Needs

Based on the principle that it costs less to maintain roads in good condition than those in bad conditions, StreetSaver strives to develop a maintenance strategy that will improve the overall condition of the network to an optimal PCI and then sustain it at that level. The **average 2011 PCI of the network is 38**, which corresponds to the “poor” condition category, meaning that a significant portion of the network suffers from load related distresses. In order to correct these deficiencies, a cost-effective funding and maintenance and rehabilitation strategy must be implemented.

The first step in developing a cost-effective maintenance and rehabilitation strategy is to determine the maintenance "needs" of the roadway network. Using the StreetSaver budget needs module, maintenance needs over the next five years were estimated at approximately \$17.0 million for the City. However, it is noteworthy that the estimated needs are in 2011 dollars and does not account for inflation. If the City of Clearlake follows the strategy recommended by the program, the average network PCI will increase to 87. The results of the budget needs analysis are summarized in the table below. These results were calculated based on updated unit costs provided by the City.

**TABLE 3. Summary of Results from Needs Analysis**

Year	2012	2013	2014	2015	2016	Total
PCI Treated	84	81	81	85	87	NA
PCI Untreated	37	34	32	30	28	NA
Preventive Maint. (\$ Thousands)	17.5	7.8	5.9	1.9	2.0	35.1
Rehabilitation (\$Millions)	11.7	1.1	0.8	2.9	0.4	17.0
Total Needs (\$M)	11.7	1.1	0.9	3.0	0.39	17.0

Table 3 summarizes the level of expenditures required to raise the pavement condition to a network PCI goal of 87 and eliminate the current maintenance backlog. The results of the budget needs analysis represent the ideal funding strategy recommended by the StreetSaver program. Out of the \$17.0 million in maintenance needs shown, only \$35,000 (0.2 percent) is earmarked for preventative maintenance or life-extending treatments, and the rest (99.8 percent) is allocated for more costly rehabilitation and reconstruction treatments. When compared to the 2008 report (for five year period from 2008 to 2012), the total maintenance needs for 2011 has been reduced from \$36.3 million to \$17.0 million. This is primarily due to the adoption of more cost effective rehabilitation options such as cold-in-place recycling and full depth reclamation. Furthermore, a decrease in construction prices over the last three years has also contributed to the decrease in maintenance and rehabilitation needs.

## Budget Scenarios

Having determined the maintenance needs of the road network, the next step in developing a cost-effective maintenance and rehabilitation strategy is to conduct several “what-if” analyses. Using the StreetSaver budget scenario module, the impacts of various budget "scenarios" can be evaluated. The program projects the effects of the different scenarios on pavement condition index (PCI) and deferred maintenance (backlog). By examining the effects on these indicators, the advantages and disadvantages of different funding levels and maintenance strategies become clear. The following scenarios were performed for the purposes of this report.

***Scenario 1. \$200,000 Per Year (City Budget)*** – This scenario shows how the network changes under the current funding level. The available funding will be sufficient to maintain the current City network PCI of 38. A deferred maintenance backlog of \$16.5 million would remain at the end of the next five years.

***Scenario 2. \$1.05 Million Per Year (Improve PCI to 60)*** - In this scenario, the City would require an annual budget of \$1.05 million in order to improve the City's PCI from 38 to 60. A deferred maintenance backlog of \$12.3 million would remain at the end of five years.

***Scenario 3. \$800,000 Per Year (5 Year Maintenance Plan)*** - In this scenario, the City plans on spending \$600,000 on arterials and collector streets and the remaining \$200,000 on residential streets. The proposed maintenance plan would improve the City's PCI from 38 to 45. A deferred maintenance backlog of \$13.3 million would remain at the end of five years.

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

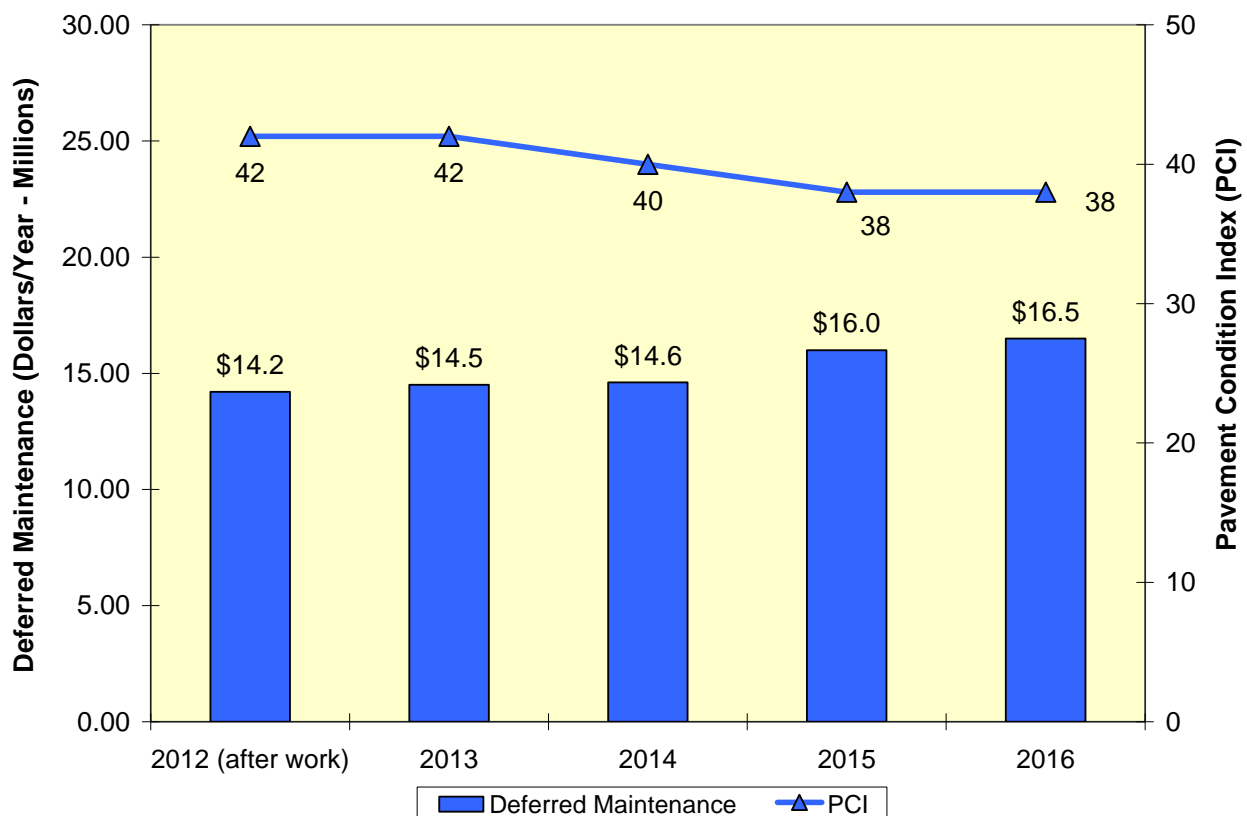
More detailed results of the budget scenarios can be found in Appendix D of this report.

### Scenario 1: \$200,000 Per Year (City Budget)

This scenario assumes a city budget of \$200,000 per year over the next five years. Any excess preventive maintenance funds were allocated for rehabilitation. The results of this scenario indicate that the City's PCI will be maintained at its current value of 38 after five years and 51.2 percent of the network will fall in the very poor or failed condition category by 2016. The unfunded backlog of work will increase to \$16.5 million by 2016.

**TABLE 4. Summary of Results for Scenario 1**

Year	2012	2013	2014	2015	2016	Total
Budget (\$-Thousands)	200.0	200.0	200.0	200.0	200.0	1,000.0
Rehabilitation (\$-Thousands)	182.0	193.7	189.8	187.9	191.7	945.1
Preventive Maint. (\$-Thousands)	17.5	1.4	7.0	7.2	1.5	34.6
Deferred Maint. (\$-Millions)	14.2	14.5	14.6	16.0	16.5	--
PCI	42	42	40	38	38	--



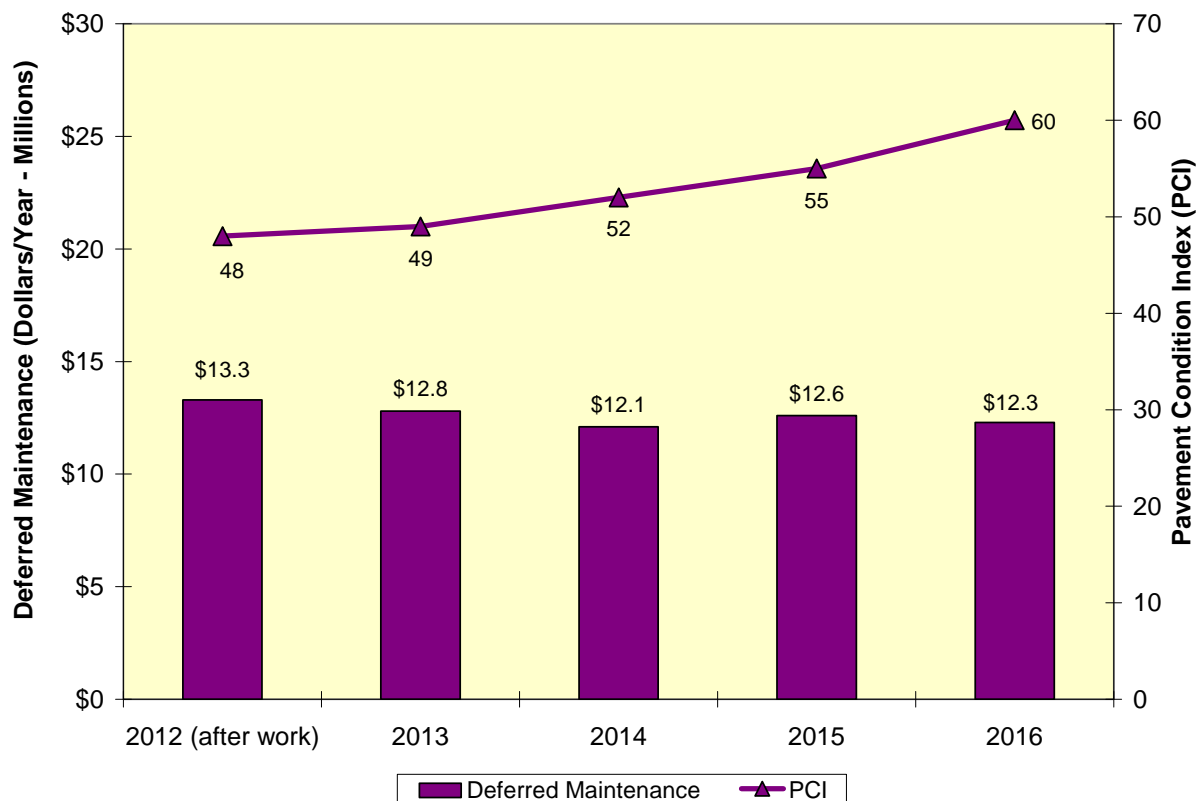
**FIGURE 4. PCI vs. Deferred Maintenance for \$200,000 Per Year**

## Scenario 2: \$1.05 Million Per Year (Improve PCI to 60)

For this scenario, \$1.05 million/year is required for the City's PCI to increase from 38 to 60 by 2016. However, an unfunded backlog of \$12.3 million will still remain by 2016. In addition, 61.5 percent of the network will fall into the good or excellent condition category, but 30.9 percent will still fall in the very poor or failed condition category.

**TABLE 5. Summary of Results for Scenario 2**

Year	2012	2013	2014	2015	2016	Total
Budget (\$-Thousands)	1,050.0	1,050.0	1,050.0	1,050.0	1,050.0	5,250.0
Rehabilitation (\$-Thousands)	1,037.1	1,032.4	1,049.7	1,046.9	1,036.6	5,202.7
Preventive Maint. (\$-Thousands)	12.0	13.4	0.3	2.1	7.0	34.8
Deferred Maint. (\$-Millions)	13.3	12.8	12.1	12.6	12.3	--
PCI	48	49	52	55	60	--



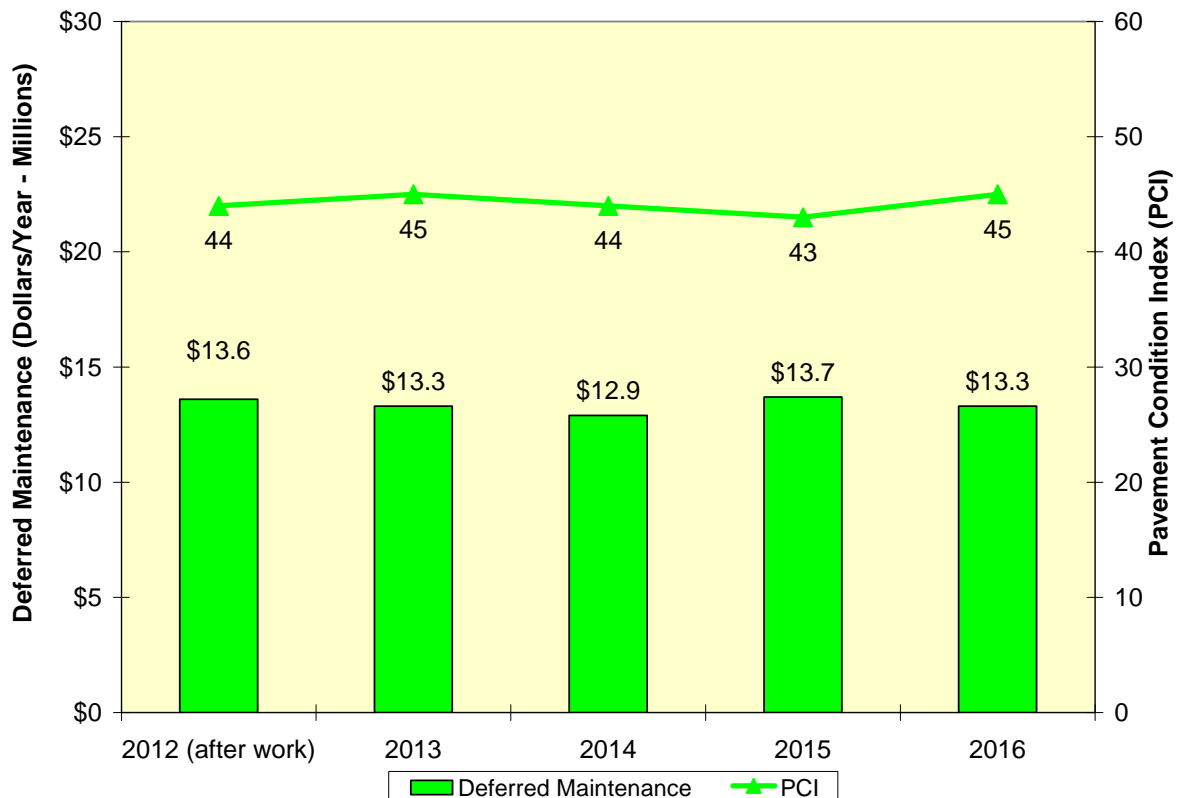
**FIGURE 5. PCI vs. Deferred Maintenance for \$1.05 Million Per Year**

### Scenario 3: \$800,000 Per Year

For this scenario, the City intends to spend \$600,000 on arterial and collector streets and the remaining \$200,000 on residential streets. In this case, the network PCI will increase from 38 to 45 after five years. However, an unfunded backlog of \$13.3 million will still remain by 2016. In addition, 45.3 percent of the network will fall into the good or excellent condition category, but 45.9 percent will still fall in the very poor or failed condition category.

**TABLE 6. Summary of Results for Scenario 3**

Year	2012	2013	2014	2015	2016	Total
Budget (\$-Thousands)	800	800	800	800	800	4,000
Rehabilitation (\$-Thousands)	752.7	747.5	742.9	755.1	775.3	3,773.5
Preventive Maint. (\$-Thousands)	17.5	7.8	5.9	1.9	1.9	35.0
Deferred Maint. (\$-Millions)	13.6	13.3	12.9	13.7	13.3	--
PCI	44	45	44	43	45	--

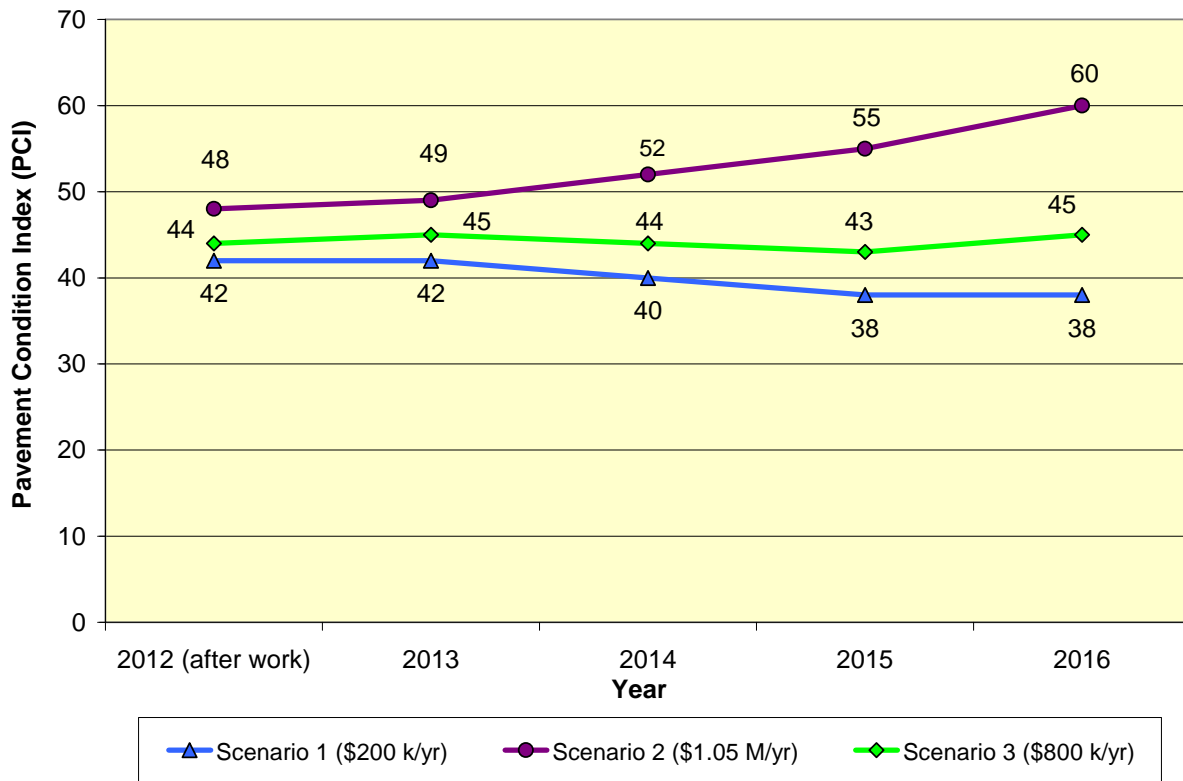


**FIGURE 6. PCI vs. Deferred Maintenance for \$800,000 Per Year**



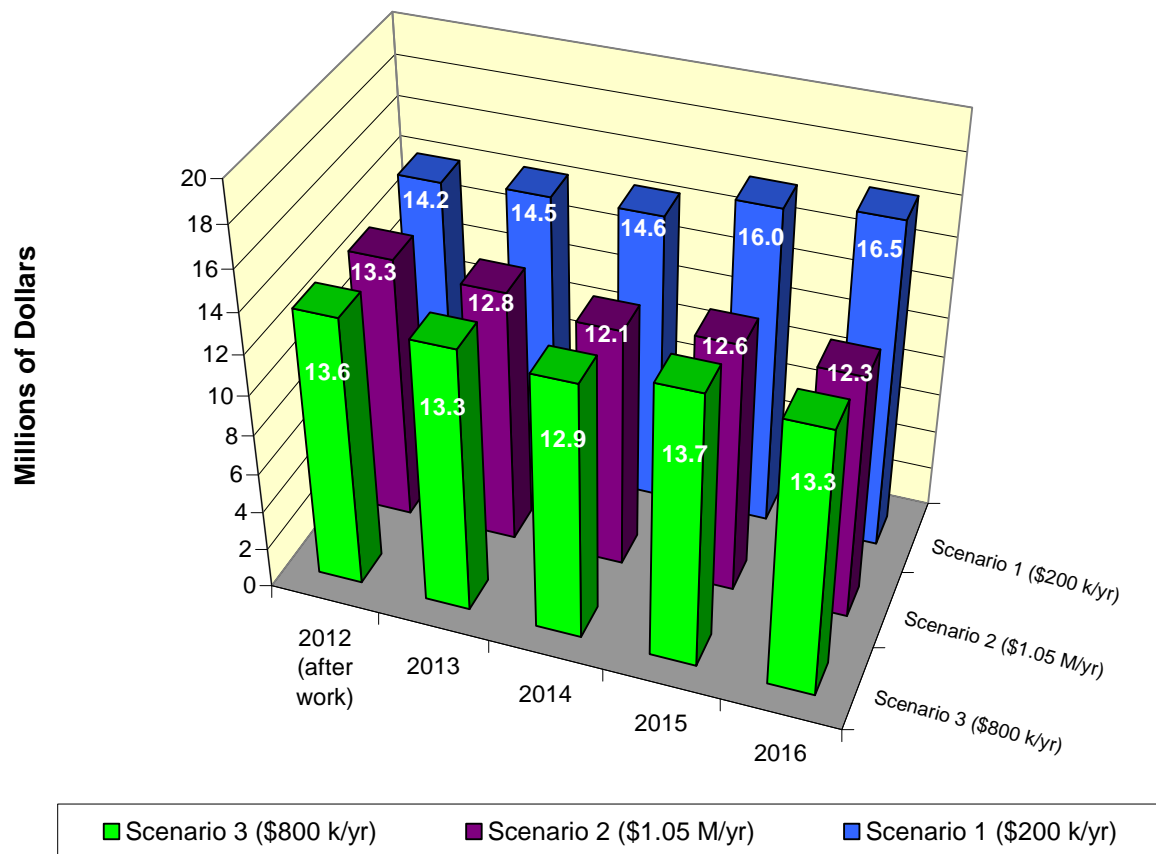
The following two figures graphically illustrate the annual changes in PCI and deferred maintenance as outlined in each scenario.

Figure 7 (below) illustrates the change in PCI over time for the different budget scenarios. Scenario 1 (Current City Budget) maintains the current network PCI of 38 in five years, Scenario 2 (\$1.05 Million Per Year) will improve the current network PCI of 38 to 60, and Scenario 3 (\$City's Maintenance Plan) will improve the network PCI to 45.



**FIGURE 7. Pavement Condition Index by Scenario by Year**

Figure 8 illustrates the change in deferred maintenance over time for the different budget scenarios.



**FIGURE 8. Deferred Maintenance by Scenario by Year**

## Summary

There is very little good news to present in this report. The average network PCI is 38; approximately 65% of the network is in poor or failed condition; and only 23% is in good to excellent condition. Even with the adoption of more cost effective treatments, the available City budget of \$200,000 per year is not sufficient to improve the current PCI of 38.

A significant amount of money is needed to bring the network streets into the “good to excellent” condition category. It will require at least \$1.05 million per year to improve the network condition to 60. The City’s anticipated funding plan of \$800 k/year for the next five years is only sufficient to improve the PCI to 45 by end of 2016.

## Recommendations

It is recommended that the City of Clearlake increase its current funding level to at least \$1.05 million per year so that the overall network condition can be improved from “poor” to “fair” condition. The new maintenance and rehabilitation strategies adopted by the City provide significant cost savings when compared to traditional methods and can stretch the value of available dollars. However, the cost estimates and the needs analysis provided in the report does not account for inflation (2011 dollars). Therefore, the City should monitor the fluctuations in construction costs and also account for inflation when preparing projected cost estimates for design and construction purposes.

In order to keep the data up to date, it is also recommended that arterial and collector streets be inspected every two years and residential streets every four to five years. Since the pavement treatment costs vary and new pavement maintenance techniques continue to be developed, the decision tree and the associated unit costs should be reviewed and modified (if necessary) when the database is updated.

Appendix E provides a list of sections selected for treatment for the three scenarios.

## Financing Alternatives

In light of the substantial financial commitment that is required to significantly maintain or even improve city wide road conditions, and the increase in construction and raw material costs, it is relevant to discuss the various possible financing alternatives to help fund pavement rehabilitation and preventative maintenance for the City. The following alternatives are some of the possible ways that the City should consider to generate additional revenue to fund needed rehabilitation and maintenance of City streets.

- 1) Truck Route Permit Fee – Leverages a surcharge fee on trucks for use of City roads to help recoup the costs of heavy wheel loads imposed by truck traffic.
- 2) Residential Waste Collection Fee – Surcharge is leveraged on waste companies to account for damage to pavement incurred by heavy waste collection trucks.
- 3) Development Repairs – Fees assessed to new developments to account for increased traffic associated with new residential and commercial tenants.

- 4) Establish Utility Cut Impact Fee – Fee is leveraged against utility to provide compensation for reduced pavement life due to utility cuts and patches.
- 5) Pursue Local Transportation Sales Tax Measures
- 6) Devote More Local Sales Tax/Revenues to Road Maintenance
- 7) Establish Downtown and Business Improvement Districts
- 8) Establish Citywide Assessment Districts

## Glossary

<b>Deferred Maintenance</b>	This is maintenance work that is deferred to a future budget cycle, or postponed until funds are available. The failure to perform needed repair, maintenance, and renewal by normal maintenance management creates deferred maintenance, also called “Backlog”.
<b>Functional Class</b>	Defines the primary function of a particular pavement section. The four classes are: A (Arterial), C (Collector), R (Residential), and O (Other).
<b>Network</b>	All the roads in the county that includes arterial, collector, and residential roads.
<b>PCI</b>	Pavement Condition Index - measured on a scale of 0 (failed) to 100 (excellent), PCIs can be calculated from inspection units and applied maintenance treatments.
<b>PMP</b>	Pavement Management Program
<b>PM%</b>	Percentage of each year’s budget that has been set aside for preventive maintenance activities such as slurry seals.
<b>Preventative Maintenance</b>	These are treatments that are applied to pavements with a PCI greater than 70. They include treatments such as crack seals or slurry seals and are intended to preserve the pavement. However, it does not extend the structural service life of the pavement.
<b>Rehabilitation</b>	These are treatments that are applied for pavements with a PCI less than 70. Typically, they include overlays and reconstruction and are intended to extend the structural life of the pavement.
<b>Replacement Cost</b>	Cost to replace the entire pavement structure e.g. asphalt concrete and aggregate base.
<b>Treatment</b>	Repair activities that are applied to restore either the functional or structural deficiencies of the pavement.

## **Appendix A: Inventory & PCI Summary**

**CITY OF CLEARLAKE  
STREET INVENTORY AND PCI REPORT  
(sorted alphabetically)**

Street Name	Street ID	Section ID	Begin Location	End Location	Lanes	Length (ft)	Width (ft)	Area (sf)	FC	ST	PCI Date	PCI
10TH AVE	10THAV	010	WILKINSON AVE	WILKINSON AVE	2	1269	18	22842	R	G		0
10TH STREET	10THST	010	COUNTRY CLUB DRIVE	SULPHUR BANK RD	2	3400	22	74800	R	A	7/8/2011	55
11TH STREET	11THST	010	COUNTRY CLUB	SULPHUR BANK RD	2	3150	22	69300	R	A	7/8/2011	62
12TH AVE	12THAV	010	BOYLES AVE	LOCAL RD	2	978	18	17604	R	G		0
12TH STREET	12THST	010	COUNTRY CLUB DR	SULPHUR BANK RD	2	2630	22	57860	R	A	7/8/2011	60
13TH AVE	13THAV	010	620FT W/KONOCTI AVE	KONOCTI AVE	2	620	18	11160	R	G		0
13TH STREET	13THST	010	COUNTRY CLUB DR	SULPHUR BANK RD	2	2370	22	52140	R	A	7/8/2011	60
14TH AVE	14THAV	010	BOYLES AVE	235 FT E/KONOCTI AVE	2	880	18	15840	R	G		0
14TH STREET	14THST	010	COUNTRY CLUB DR	SULPHUR BANK RD	2	2100	22	46200	R	A	7/8/2011	62
15TH AVE	15THAV	010	200 FT W/BOYLES AVE	117 FT E/BOYLES AVE	2	317	18	5706	R	G		0
15TH STREET	15THST	010	COUNTRY CLUB DR	SULPHUR BANK RD	2	1800	22	39600	R	A	7/8/2011	72
16TH AVE	16THAV	010	BOYLES AVE	LOCAL RD	2	854	18	15372	R	G		0
16TH STREET	16THST	010	COUNTRY CLUB DR	SULPHUR BANK RD	2	1200	20	24000	R	A	7/8/2011	83
17TH AVE	17THAV	010	191 FT W/BOYLES AVE	144 FT E/MATEO	2	1276	18	22968	R	G		0
18TH AVENUE	18THAV	010	HIGHWAY 53	PHILLIPS AVE	2	2100	23	48300	C	A	6/29/2011	24
18TH AVENUE	18THAV	020	PHILLIPS AVE	BOYLES AVE	2	1050	23	24150	C	A	7/8/2011	16
18TH AVENUE	18THAV	030	BOYLES AVE	WILKERSON AVE	2	1500	23	34500	C	A	7/8/2011	16
19TH AVE	19THAV	010	OAK AVE	EUREKA AVE	2	652	18	11736	R	G		0
19TH AVE	19THAV	020	205 FT W/GARNER	1855 FT E/BOYLES	2	3441	18	61938	R	G		0
1ST ST	1STST	010	ARROWHEAD ST	ACACIA ST	2	2902	20	58040	R	G		0
20TH AVE	20THAV	010	207 FT W/OAK AVE	EUREKA AVE	2	838	18	15084	R	G		0
20TH AVE	20THAV	020	155 FT W /GARNER	1260 FT E/BOYLES	2	2760	18	49680	R	G		0
21ST AVE	21STAV	010	PINE AVE	964 FT E/BOYLES AVE	2	4266	18	76788	R	G		0
22ND AVE	22NDAV	010	270 FT W/OAK AVE	EUREKA AVE	2	940	18	16920	R	G		0
22ND AVE	22NDAV	020	GARNER	270 FT E/BOYLES	2	1610	18	28980	R	G		0
23RD AVE	23RDAV	010	PINE AVE	188 FT E/OAK AVE	2	845	16	13520	R	G		0
23RD AVE	23RDAV	020	EUREKA AVE	429 FT E/BOYLES AVE	2	2419	18	43542	R	G		0
24TH AVE	24THAV	010	OAK AVE	347 FT E/BOYLES AVE	2	2990	18	53820	R	G		0
25TH AVE	25THAV	010	OAK AVE	EUREKA AVE	2	663	18	11934	R	G		0
25TH AVE	25THAV	020	111 FT W /GARNER	BIYLES AVE	2	1454	18	26172	R	G		0
26TH AVE	26THAV	010	891 FT W/OAK AVE	454 FT E/GARNER AVE	2	2639	18	47502	R	G		0
26TH AVE	26THAV	020	IRVING AVE	604 FT E/KONOCTI AVE	2	1943	18	34974	R	G		0
27TH AVE	27THAV	010	592 FT W / GARNER	IRVING AVE	2	1249	18	22482	R	G		0
27TH AVE	27THAV	020	394 FT W/BOYLES	383 FT E/KONOCTI AVE	2	1416	18	25488	R	G		0
28TH AVE	28THAV	010	PINE AVE	EUREKA AVE	2	1296	18	23328	R	G		0
28TH AVE	28THAV	020	358 FT W/GARNER	680 FT E/KONOCTI AVE	2	2990	18	53820	R	G		0

**CITY OF CLEARLAKE  
STREET INVENTORY AND PCI REPORT  
(sorted alphabetically)**

Street Name	Street ID	Section ID	Begin Location	End Location	Lanes	Length (ft)	Width (ft)	Area (sf)	FC	ST	PCI Date	PCI
29TH AVE	29THAV	010	198 FT W/PINE AVE	248 FT E/PINE AVE	2	446	18	8028	R	G		0
29TH AVE	29THAV	020	115 FT W/OAK AVE	113 FT E/OAK AVE	2	228	18	4104	R	G		0
29TH AVE	29THAV	030	EUREKA AVE	KONOCTI AVE	2	2645	18	47610	R	G		0
2ND AVE	2NDAV	010	EAST	LOCAL RD	2	1192	16	19072	R	G		0
2ND STREET	2NDST	010	EAST LAKE DR	BUSH DR	2	550	22	12100	R	A	6/28/2011	26
2ND STREET	2NDST	020	BUSH DR	SONOMA AVE	2	1550	22	34100	C	A	6/28/2011	26
30TH AVE	30THAV	010	PINE AVE	KONOCTI AVE	2	3962	18	71316	R	G		0
31ST AVE	31STAV	010	236 FY W/PINE AVE	814 FT E/KONOCTI AVE	2	5015	18	90270	R	G		0
32ND AVENUE	32NDAV	010	HIGHWAY 53	PHILLIPS AVE	2	2235	24	53640	C	A	7/8/2011	20
32ND AVENUE	32NDAV	020	PHILLIPS AVENUE	WILKINSON AVENUE	2	2370	24	56880	C	A	7/8/2011	36
33RD AVE	33RDAV	010	PINE AVE	871 FT E/KONOCTI AVE	2	4830	18	86940	R	G		0
34TH AVE	34THAV	010	PINE AVE	1071 FT E/KONOCTI AVE	2	5006	18	90108	R	G		0
35TH AVENUE	35THAV	030	BOYLES AVE	E/END CITY LIMITS	2	1965	18	35370	R	G		0
35TH AVENUE	35THAV	010	EUREKA AVENUE	PHILLIPS AVENUE	2	620	22	13640	R	A	7/8/2011	55
35TH AVENUE	35THAV	020	PHILLIPS AVENUE	BOYLES AVENUE	2	1620	22	35640	R	A	7/8/2011	27
36TH AVENUE	36THAV	010	BOYLES AVENUE	KONOCTI AVENUE	2	640	22	14080	R	A	7/8/2011	44
36TH AVENUE	36THAV	020	PINE AVE	BOYLES AVE	2	3007	18	54126	R	G		0
36TH AVENUE	36THAV	030	KONOCTI AVE	E/END CITY LIMITS	2	1372	18	24696	R	G		0
37TH AVE	37THAV	010	712 FT W/OAK AVE	138 FT E/GARNER	2	2790	18	50220	R	G		0
37TH AVE	37THAV	020	320 FT W/BOYLES AVE	49 FT E/BOYLES AVE	2	369	18	6642	R	G		0
38TH AVE	38THAV	010	819 FT W/OAK AVE	534 FT E/GARNER	2	3287	18	59166	R	G		0
38TH AVE	38THAV	020	BOYLES AVE	423 FT E/KONOCTI AVE	2	1068	18	19224	R	G		0
39TH AVE	39THAV	010	OAK AVE	478 FT E/IRVING	2	2434	18	43812	R	G		0
39TH AVE	39THAV	020	BOYLES AVE	380 FT E/KONOCTI AVE	2	1013	18	18234	R	G		0
3RD AVE	3RDAV	010	WILKINSON AVE	CACHIE	2	1361	18	24498	R	G		0
3RD ST	3RDST	020	BUSH ST	SONOMA ST	2	1597	18	28746	R	G		0
3RD STREET	3RDST	010	EASTLAKE DR	BUSH ST	2	1068	22	23496	R	A	6/26/2011	27
40TH AVENUE	40THAV	020	HIGHWAY 53	PHILLIPS AVENUE	2	2300	22	50600	C	O	7/8/2011	90
40TH AVENUE	40THAV	030	PHILLIPS AVENUE	BOYLES AVENUE	2	875	22	19250	C	A	7/8/2011	22
41ST AVE	41STAV	010	EUREKA AVE	177FT E/IRVING AVE	2	1457	18	26226	R	G		0
42ND AVE	42NDAV	010	EUREKA AVE	264 FT E/IRVING AVE	2	1553	18	27954	R	G		0
42ND AVE	42NDAV	020	137 FT W/GARNER	434 FT E/GARNER	2	571	18	10278	R	G		0
43RD AVE	43RDAV	010	CEDAR AVE	EUREKA AVE	2	967	18	17406	R	G		0
43RD AVE	43RDAV	020	489 FT W/GARNER	77FT E/IRVING AVE	2	1205	18	21690	R	G		0
43RD AVE	43RDAV	030	BOYLES AVE	KONOCTI AVE	2	664	18	11952	R	G		0
44TH AVE	44THAV	010	EUREKA AVE	KONOCTI AVE	2	2651	18	47718	R	G		0



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Street Name	Street ID	Section ID	Begin Location	End Location	Lanes	Length (ft)	Width (ft)	Area (sf)	FC	ST	PCI Date	PCI
45TH AVE	45THAV	010	EUREKA AVE	408 FT E/GARNER	2	1070	18	19260	R	G		0
4TH AVE	4THAV	010	CACHIE	EAST	2	553	18	9954	R	G		0
4TH STREET	4THST	020	BUSH ST	SONOMA ST	2	1587	18	28566	R	G		0
4TH STREET	4THST	010	EASTLAKE DRIVE	BUSH STREET	2	730	22	16060	R	A	7/8/2011	37
5TH STREET	5THST	010	EASTLAKE DRIVE	BUSH STREET	2	742	22	16324	R	A	7/8/2011	45
5TH STREET	5THST	020	BUSH ST	SONOMA ST	2	1489	18	26802	R	G		0
6TH AVE	6THAV	010	KONOCTI AVE	EAST END	2	2676	18	48168	R	G		0
6TH AVE	6THST	020	BUSH ST	SONOMA ST	2	1399	18	25182	R	G		0
6TH STREET	6THST	010	EASTLAKE DRIVE	BUSH STREET	2	1061	24	25464	R	A	7/8/2011	34
7TH STREET	7THST	010	EASTLAKE DRIVE	SONOMA AVENUE	2	3400	22	74800	R	A	7/8/2011	48
8TH STREET	8THST	010	EASTLAKE DRIVE	SONOMA AVENUE	2	3400	22	74800	R	A	7/8/2011	46
9TH STREET	9THST	010	SULFUR BANK RD	GOLF CLUB	2	3400	22	74800	R	A	7/8/2011	58
ACACIA STREET	ACACIA	010	ARROWHEAD ROAD	END	2	700	20	14000	R	A	7/11/2011	33
ACACIA STREET	ACACIA	040	250 FT E/2ND ST	1ST ST	2	161	20	3220	R	G		0
ACACIA STREET	ACACIA	050	1ST ST	301 FT S/OREGON AVE	2	2427	20	48540	R	G		0
AIRPORT ROAD	AIRPRD	010	OLD HIGHWAY 53	END	2	486	16	7776	R	A	7/8/2011	11
ALVITA AVE	ALVIAV	010	UHL AVE	HOWARD AVE	2	1236	22	27192	R	A	7/8/2011	3
ALVITA AVE	ALVIAV	020	HOWARD AVE	SCHULTZ AVE	2	1336	18	24048	R	G		0
AMBER ST	AMBEST	010	OLYMPIC DR	BOWERS ST	2	959	18	17262	R	G		0
ANCHOR DRIVE	ANCHOR	010	HIGHLAND HARBOR	END	2	420	30	12600	R	A	7/8/2011	9
ARCATA ST	ARCAST	010	BURNS VALLEY RD	WOODLAND DR	2	389	18	7002	R	G		0
ARGONNE ST	ARGOST	010	CEDAR AVE	EUREKA AVE	2	979	18	17622	R	G		0
ARMIJO AVE	ARMIAV	010	UTAH ST	VICTOR AVE	2	1980	16	31680	R	G		0
ARNOLD AVE	ARNOAV	010	HILLCREST AVE	WEST 40TH AVE	2	441	18	7938	R	G		0
ARROWHEAD RD	ARROWH	030	4TH ST	9TH ST	2	1241	21	26061	C	O	7/8/2011	92
ARROWHEAD RD	ARROWH	010	BURNS VALLEY RD	PARK ST (1ST ST)	2	2761	22	60742	C	A	6/28/2011	92
ARROWHEAD RD	ARROWH	021	PARK ST (1ST ST)	MODOC ST	2	374	22	8228	C	O	7/8/2011	95
ARROWHEAD RD	ARROWH	022	MODOC ST	4TH ST	2	611	22	13442	C	O	7/8/2011	92
AUDRA RD	AUDRRD	010	DAVIS AVE	N/ END	2	1065	18	19170	R	G		0
AUSTIN ROAD	AUSTIN	010	LAKE SHORE DRIVE	PINE STREET	2	1000	21	21000	C	O	7/8/2011	6
AUSTIN ROAD	AUSTIN	020	PINE STREET	OLD HIGHWAY 53	2	4000	22	88000	C	O	6/27/2011	90
AUSTIN ROAD	AUSTIN	030	OLD HIGHWAY 53	JEFFERSON AVE	2	1300	31	40300	R	A	7/8/2011	14
BALL PARK AVENUE	BALLPA	010	BOAT RAMP	OLD HIGHWAY 53	2	1450	19	27550	R	A	7/8/2011	30
BARTRAM CIRCLE	BARTRA	010	RUMSEY ROAD	GARNER LANE	2	630	32	20160	R	A	7/13/2011	57
BAY STREET	BAYST	010	LAKESIDE DRIVE	LAKEVIEW WAY	2	500	36	18000	R	A	6/30/2011	52
BAYLIS AVENUE	BAYLIS	010	LAKE SHORE DRIVE	UHL DRIVE	2	950	20	19000	R	O	7/8/2011	92

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BERKELEY AVE	BERKAV	010	ROBINSON AVE	UHL AVE	2	362	18	6516	R	G		0
BETZ LN	BETZLN	010	DAM RD	N/END LOCAL RD	2	1358	18	24444	R	G		0
BIRCH AVE	BIRCAV	010	40TH AVE	DAVIS AVE	2	1381	18	24858	R	G		0
BLUE GUM STREET	BLUEGU	010	OLYMPIC DRIVE	WALNUT AVENUE	2	500	14	7000	R	S	7/8/2011	3
BLUE JAY AVENUE	BLUEJA	010	BALLPARK AVENUE	LAGUNA AVENUE	2	628	24	15072	R	A	7/8/2011	16
BORIE AVE	BORIAV	010	DAVIS AVE	CLEARLAKE RD	2	576	18	10368	R	G		0
BOWERS RD	BOWERD	010	TURNERS ST	HIGHWAY 53	2	1298	22	28556	R	G		0
BOX WOOD ST	BOWOST	010	SANOMA AVE	ARROWHEAD RD	2	692	20	13840	R	G		0
BOYLES AVE	BOYLAV	010	36TH AVE	DAVIS AVE	2	2366	18	42588	R	G		0
BOYLES AVENUE	BOYLES	010	14TH AVENUE	18TH AVENUE	2	760	23	17480	R	A	7/8/2011	19
BOYLES AVENUE	BOYLES	020	18TH AVENUE	32ND AVENUE	2	3400	23	78200	R	A	7/8/2011	14
BOYLES AVENUE	BOYLES	030	32ND AVENUE	36TH AVENUE	2	1000	23	23000	R	A	7/8/2011	57
BRAENDLIN AVE	BRAEAV	010	GOLF AVE	BLUE JAY AVE	2	487	22	10714	R	A	7/8/2011	62
BROWN AVE	BROWAV	010	CASS AVE	CYPRESS AVE	2	670	18	12060	R	G		0
BRUNETTO LN	BRUNLN	010	POND RD	END	2	551	18	9918	R	G		0
BUCKEYE STREET	BUCKEY	010	OLYMPIC DRIVE	WALNUT AVENUE	2	500	16	8000	R	S	7/8/2011	0
BUCKEYE STREET	BUCKEY	030	271 FT N/UHL AVE	AUSTIN RD	2	964	18	17352	R	G		0
BURNS VALLEY ROAD	BURNSV	030	RUMSEY RD	OLYMPIC DR	2	1300	22	28600	C	A	7/8/2011	86
BURNS VALLEY ROAD	BURNSV	010	ACACIA	UKIAH ST	2	2221	30	66630	C	A	7/8/2011	100
BURNS VALLEY ROAD	BURNSV	020	UKIAH ST	RUMSEY RD	2	5000	20	100000	C	O	6/28/2011	86
BUSH STREET	BUSHST	020	7TH STREET	PARK STREET	2	1500	20	30000	C	A	7/8/2011	16
BUSH STREET	BUSHST	010	COUNTRY CLUB DRIVE	7TH STREET	2	2600	20	52000	C	A	7/8/2011	53
CACHE CREEK LN	CACRLN	010	285 FT W/TROUBLE LN	380 FT E/TROUBLE LN	2	665	18	11970	R	G		0
CACHE CREEK WY	CACRWY	010	OLD HIGHWAY 53	END	2	1430	18	25740	R	A	7/8/2011	83
CALAVERAS DRIVE	CALAVE	010	OAKMONT DRIVE	LAKESHORE DRIVE	2	760	23	17480	R	A	7/11/2011	43
CARROL AVE	CARRAV	010	HILLCREST AVE	WEST 40TH AVE	2	436	20	8720	R	A	7/13/2011	2
CARROL AVE	CARRAV	020	VALLEY AVE	END	2	218	16	3488	R	G		0
CASS AVENUE	CASSAV	030	BROWN AVE	310 FT E/BROWN AVE	2	310	16	4960	R	G		0
CASS AVENUE	CASSAV	010	OLD HIGHWAY 53	BROWN AVENUE	2	900	19	17100	R	A	7/8/2011	14
CASS AVENUE	CASSAV	020	310 FT E/BROWN AVE	FRENCH ST	2	787	18	14166	R	G		0
CEDAR AVE	CEDAAR	010	DAVIS AVE	POLK AVE	2	2150	14	30100	R	G		0
CEDAR AVE	CEDAAR	020	40TH AVE	DAVIS AVE	2	1337	18	24066	R	G		0
CIWA ST	CIWAST	010	ARROWHEAD RD	KAKUL ST	2	1532	20	30640	R	G		0
CLARKSON STREET	CLARST	010	TURNERS ST	END	2	410	20	8200	R	S	7/13/2011	0
CLEARLAKE RD	CLLKRD	010	LANE AVE	MANZINITA AVE	2	455	18	8190	R	G		0
CLEMENT DRIVE	CLEMEN	010	GOLF ST	OLD HIGHWAY 53	2	1000	17	17000	R	A	7/13/2011	3

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COLUSA DRIVE	COLUDR	020	LOWER LAKESHORE DR	END	2	218	20	4360	R	S	7/8/2011	0
COLUSA ST	COLUST	020	SONOMA AVE	SANTA CLARA	2	358	18	6444	R	G		0
COLUSA ST	COLUST	011	SANTA CLARA AVE	ARROWHEAD RD	2	292	33	9636	R	A	7/8/2011	3
COLUSA ST	COLUST	012	ARROWHEAD RD	LAKESHORE DR	2	308	16	4928	R	A	7/8/2011	0
COTTAGE AVENUE	COTTAG	010	CASS AVE	SOUIX AVE	2	1378	19	26182	R	A	7/8/2011	12
COTTONWOOD STREET	COTTON	010	OLYMPIC DRIVE	AUSTIN ROAD	2	1050	18	18900	R	S	7/8/2011	2
COUNTRY CLUB DRIVE	COUNTR	010	LAKESHORE DRIVE	ARROWHEAD ROAD	2	1350	18	24300	C	A	7/8/2011	8
COUNTRY CLUB DRIVE	COUNTR	020	GOLF CLUB DR	SULPHUR BANK DRIVE	2	2140	18	38520	C	A	7/8/2011	24
COVELA ST	COVEST	010	BURNS VALLEY RD	WOODLAND DR	2	332	18	5976	R	G		0
CRANDALL AVE	CRANAV	010	WEST 40TH	HILLCREST AVE	2	651	18	11718	R	G		0
CRANDALL AVE	CRANAV	020	HILLCREST AVE	DAVIS AVE	2	694	18	12492	R	G		0
CRAWFORD AVENUE	CRAWFO	010	OLD HIGHWAY	HIGHWAY 53	2	2876	19	54644	C	A	7/8/2011	30
CRESTA AVE	CRESAV	010	HILLCREST AVE	END	2	306	16	4896	R	G		0
CYPRESS AVENUE	CYPREA	010	CRAWFORD AVENUE	OLD HIGHWAY 53	2	874	17	14858	R	A	7/8/2011	14
CYPRESS STREET	CYPRES	010	OLYMPIC DRIVE	AUSTIN ROAD	2	1090	16	17440	R	S	7/8/2011	15
DAM ROAD	DAM	010	LAKE ST	440 FT W/O LAKE ST	2	440	21	9240	C	A	7/8/2011	17
DAM ROAD	DAM	020	440 FT W/O LAKE ST	LAKE ST	2	440	20	8800	C	A	7/8/2011	17
DAM ROAD	DAM	030	HIGHWAY 53	440 FT W/O LAKE ST	2	1043	36	37548	C	A	7/8/2011	74
DAM ROAD EXTENSION	DAMEXT	010	DAM RD	SOUTH CENTER DR	2	1216	33	40128	C	A	7/8/2011	80
DAM ROAD SOUTH	DARDSO	010	DAM RD	S/END	2	990	18	17820	C	G		0
DAVIS AVENUE	DAVISA	020	HIGHWAY 53	CITY LIMITS (LANDFILL)	2	4700	23	108100	C	A	6/29/2011	40
DAVIS AVENUE	DAVISA	010	OLD HIGHWAY 53	STATE HWY 53	2	2100	20	42000	C	A	7/8/2011	20
DAVIS ST	DAVIST	010	KEATING AVE	MANCHESTER AVE	2	300	18	5400	R	G		0
DEER TRIAL	DEERTR	010	WOODLAND DR	SANOMA WY	2	821	18	14778	R	G		0
DENMAN RD	DENMRD	010	OLD HGWY 53	END	2	2805	18	50490	R	G		0
DIVISION AVENUE	DIVISI	010	LAKESHORE DRIVE	PINE STREET	2	890	23	20470	C	A	7/8/2011	90
DUNCAN AVE	DUNCAV	010	JEFFERSON AVE	LINCON AVE	2	964	18	17352	R	G		0
EAST LAKE DRIVE	ESLKDR	020	COUNTRY CLUB DR	EAST LAKE EXT	2	1247	20	24940	R	G		0
EAST LAKE DRIVE	ESLKDR	010	EAST LAKE EXT	2ND ST	2	1083	22	23826	R	S	7/13/2011	5
EMERSON STREET	EMERSO	010	OLYMPIC DRIVE	TURNER AVENUE	2	840	22	18480	R	A	7/8/2011	18
EMILE	EMILE	010	DAVIS AVE	N/ END	2	823	18	14814	R	S	7/8/2011	1
EMROY AVENUE	EMROYA	010	PALMER AVENUE	LAKESHORE DRIVE	2	2108	16	33728	R	A	7/13/2011	1
EUREKA AVE	EUREAV	010	DAVIS AVE	ARGONNE	2	1258	18	22644	R	S	7/8/2011	0
EUREKA AVE	EUREAV	020	34TH AVE	32 ND AVE	2	482	18	8676	R	S	7/8/2011	7
EUREKA AVE	EUREAV	030	40TH AVE	DAVIS AVE	2	1350	18	24300	R	G		0
EUREKA AVE	EUREAV	040	18TH AVE	164FT N/25TH AVE	2	1848	18	33264	R	G		0

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EUREKA AVE	EUREAV	050	32ND AVE	28TH AVE	2	964	18	17352	R	G		0
EUREKA AVE	EUREAV	060	35TH AVE	34TH AVE	2	246	18	4428	R	G		0
EUREKA AVE	EUREAV	070	38TH AVE	36TH AVE	2	481	18	8658	R	G		0
EVANS AVENUE	EVANSA	010	ALVITA AVENUE	AUSTIN ROAD	2	320	20	6400	R	A	7/13/2011	0
FAIR OAKS RD	FAOKRD	010	2ND ST	6TH ST	2	1084	22	23848	R	G		0
FILMORE AVE	FILMAV	010	OLYMPIC DR	DUNCAN AVE	2	1580	20	31600	R	G		0
FIR AVE	FIRAV	010	DAVIS AVE	ARGONNE	2	1254	16	20064	R	G		0
FIR AVE	FIRAV	020	40TH AVE	DAVIS AVE	2	1254	18	22572	R	G		0
FRENCH STREET	FRENST	010	SPRUCE AVE	CASS AVE	2	292	18	5256	R	A	7/13/2011	31
FRESNO STREET	FRESST	010	SANTA CLARA	ARROWHEAD RD	2	292	22	6424	R	A	7/8/2011	18
FRESNO STREET	FRESST	020	SONOMA AVE	SANTA CLARA	2	375	18	6750	R	G		0
FRYE AVE	FRYEAV	010	DAVIS ST	HILLCREST AVE	2	685	16	10960	R	G		0
GARFIELD AVE	GARFAV	010	OLYMPIC DR	S/END	2	186	20	3720	R	S	7/1/2011	4
GARNER LANE	GARNER	010	RUMSEY ROAD	BARTMAN CIRCLE	2	420	32	13440	R	A	7/11/2011	58
GARNER LANE	GARNER	020	RUMSEY RD	N/END	2	1494	18	26892	R	G		0
GHIORZI	GHIORZ	010	BURNS VALLEY RD	END	2	1151	20	23020	R	G		0
GOLF AVENUE	GOLFAV	010	UHL AVE	PALMER AVE	2	217	22	4774	R	A	7/8/2011	5
GOLF AVENUE	GOLFAV	020	PALMER AVE	LAKESHORE DR	2	305	22	6710	R	A	7/8/2011	1
GOLF AVENUE	GOLFAV	030	LAKESHORE DR	BALL PARK AVE	2	579	22	12738	R	A	6/28/2011	17
GOLF AVENUE	GOLFAV	040	BALL PARK AVE	LALABELLE BLVD	2	794	22	17468	R	A	7/8/2011	19
GOLF CLUB STREET	GOCLST	010	SONOMA AVE	ARROWHEAD RD	2	402	22	8844	R	A	7/8/2011	40
GRANT STREET	GRANTS	010	JEFFERSON STREET	MCKINLEY STREET	2	380	22	8360	R	A	7/8/2011	11
GRAY AVE	GRAYAV	010	GREEN ST	OLYMPIC DR	2	1427	18	25686	R	G		0
GREEN ST	GREEST	010	GRAY AVE	OLYMPIC DR	2	1278	18	23004	R	G		0
HALE DR	HALEDR	010	CRAWFORD AVE	HIGHLAND AVE	2	1949	16	31184	R	G		0
HALE STREET	HALEST	010	KOLOKO ST	END	2	416	22	9152	R	A	7/8/2011	2
HALIKA STREET	HALIKA	010	ARROWHEAD ROAD	WOODLAND DRIVE	2	1465	22	32230	R	A	7/13/2011	16
HARBOR LANE	HARBOR	010	HIGHLANDS HARBOR	END	2	1210	30	36300	R	A	7/8/2011	4
HARRISON STREET	HARRIS	010	OLYMPIC DRIVE	TURNER AVENUE	2	670	22	14740	R	A	7/8/2011	30
HAYWARD AVE	HAYWAV	010	DAVIS ST	VALLEY AVE	2	203	18	3654	R	G		0
HEMLOCK AVE	HEMLAV	010	DAVIS AVE	ARGONNE	2	1334	16	21344	R	G		0
HEMLOCK AVE	HEMLAV	020	278 FT/S 43 AVE	DAVIS AVE	2	967	18	17406	R	G		0
HIGHLAND AVE	HIGHAV	010	VALLOJO AVE	OLD HIGHWAY 53	2	1377	18	24786	R	G		0
HIGHLANDS HARBOR RD	HIGHLH	010	CUL DE SAC	OLD HIGHWAY 53	2	3250	30	97500	C	A	7/8/2011	11
HIGHLANDS WAY	HIGHLA	010	END OF PAVEMENT	OLD HIGHWAY 53	2	930	24	22320	R	A	7/13/2011	40
HILL AVE	HILLAV	010	WEST 40TH	OLD HIGHWAY 53	2	1060	18	19080	R	G		0

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HILLCREST AVENUE	HILLCR	010	OLD HIGHWAY 53	40TH AVENUE	2	2100	20	42000	R	A	7/13/2011	0
HILLCREST AVENUE	HILLCR	020	OLD HGWY 53	SPRUCE AVE	2	1388	18	24984	R	G		0
HOWARD AVENUE	HOWARD	030	ALVITA AVE	AUSTIN RD	2	556	18	10008	R	G		0
HOWARD AVENUE	HOWARD	020	UHL AVENUE	JAGO	2	630	22	13860	R	A	7/13/2011	0
HOWARD AVENUE	HOWARD	010	LAKESHORE DR	UHL AVENUE	2	700	22	15400	C	A		0
HUDSON ST	HUDSST	010	SPRUCE AVE	END	2	397	16	6352	R	G		0
HUNTINGTON AVENUE	HUNTIN	010	LAKESHORE DRIVE	ARROWHEAD DRIVE	2	840	20	16800	R	A	7/11/2011	54
HURON AVENUE	HURONA	010	CASS AVENUE	CRAWFORD AVE	2	1400	18	25200	R	A	7/8/2011	11
INDUSTRIAL COURT	INDUCT	010	OGULIN CANYON RD	CUL-DE-SAC	2	200	30	6000	R	A	7/8/2011	59
IRVING AVE	IRVIAV	010	44TH AVE	18TH AVE	2	6209	18	111762	R	G		0
JACKSON STREET	JACKSO	010	OLYMPIC DRIVE	TURNER AVE	2	640	22	14080	R	A	7/8/2011	32
JAMES ST	JAMEST	010	HALE DR	284 FT S/VICTOR AVE	2	1500	18	27000	R	G		0
JEFFERSON AVENUE	JEFFER	010	OLYMPIC AVE	AUSTIN ROAD	2	1340	19	25460	R	A	7/8/2011	5
JOHNSON AVE	JOHNAV	010	DUNCAN AVE	N/END	2	384	18	6912	R	G		0
JONES	JONES	JONES	CYPRESS AVE	312 FT N/LAKEVIEW	2	1179	18	21222	R	G		0
KABAL STREET	KABALS	020	KOLOKO ST	END	2	490	18	8820	R	G		0
KABAL STREET	KABALS	010	LAKESHORE DRIVE	KOKOLO STREET	2	600	14	8400	R	A	7/8/2011	9
KAKUL ST	KAKUST	010	WOODLAND DR	END	2	372	18	6696	R	G		0
KEATING AVE	KEATAV	010	DAVIS ST	VALLEY AVE	2	302	18	5436	R	G		0
KERN DR	KERNDR	010	LAKESHORE DR	MARIPOSA DR	2	815	18	14670	R	G		0
KETT AVENUE	KETTAV	010	LAGUNA AVE	BALL PARK AVE	2	623	22	13706	R	A	7/8/2011	65
KINGS DRIVE	KINGDR	010	LAKESHORE DR	COUNTRY CLUB DR	2	223	18	4014	R	A	7/12/2011	5
KOLOKO STREET	KOLOKO	010	KABAL STREET	WOODLAND DRIVE	2	960	14	13440	R	S	7/8/2011	6
KONOCTI AVE	KONOAV	010	36TH AVE	DAVIS AVE	2	2600	18	46800	R	G		0
KONOCTI AVE	KONOAV	020	35TH AVE	26TH AVE	2	2166	18	38988	R	G		0
KONOCTI STREET	KONOST	010	LAKESHORE DR	KOLOKO ST	2	965	22	21230	R	S	7/8/2011	10
KONOCTI VIEW	KONOVW	010	OLD HIGHWAY 53	SPRUCE AVE	2	1250	21	26250	R	A	7/13/2011	23
LADDELL AVENUE	LADDEL	010	AUSTIN ROAD	40TH AVE	2	1400	19	26600	C	S	7/13/2011	1
LAGUNA AVENUE	LAGUNA	010	GOLF STREET	OLD HIGHWAY 53	2	1070	18	19260	R	A	7/8/2011	39
LAKELAND DRIVE	LAKELA	010	HIGHLANDS HARBOR DRIVE	END	2	420	30	12600	R	A	7/8/2011	9
LAKESHORE DRIVE	LAKEDR	010	STATE HIGHWAY 53	OLD STATE HIGHWAY	2	2100	37	77700	A	A	7/12/2011	86
LAKESHORE DRIVE	LAKEDR	020	OLD STATE HWY	DIVISION AVE	2	6676	24	160224	A	A	7/12/2011	87
LAKESHORE DRIVE	LAKEDR	050	COUNTY CLUB DR	SAN JOAQUIN DR	2	8801	24	211224	C	A	7/12/2011	14
LAKESHORE DRIVE	LAKEDR	060	SAN JOAQUIN DR	MONTEREY	2	3000	21	63000	C	A	7/12/2011	43
LAKESHORE DRIVE	LAKEDR	070	MONTEREY	CALAVERAS DR	2	2200	21	46200	C	A	7/12/2011	35
LAKESHORE DRIVE	LAKEDR	080	CALAVERAS DR	OAK	2	1000	21	21000	C	A	7/12/2011	51

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LAKESHORE DRIVE	LAKEDR	041	SCENIC DR	PARK ST	2	1584	24	38016	C	O	7/12/2011	89
LAKESHORE DRIVE	LAKEDR	042	PARK ST	COUNTRY CLUB DR	2	2451	24	58824	C	A	7/12/2011	25
LAKESHORE DRIVE	LAKEDR	031	DIVISION AVE	OLYMPIC DR	2	735	35	96740	A	A	7/12/2011	88
LAKESHORE DRIVE	LAKEDR	032	OLYMPIC DR	SCENIC RD	2	2029	35	96740	C	O	7/12/2011	89
LAKESIDE COURT	LAKSDC	010	LAKESIDE DRIVE	END	2	75	44	3300	R	A	7/8/2011	45
LAKESIDE DRIVE	LAKSDR	010	BAY ST	LAKEVIEW WAY	2	1335	30	40050	R	A	7/8/2011	9
LAKEVIEW AVENUE	LAKVWA	010	OLD HIGHWAY 53	CASS AVENUE	2	1160	18	20880	R	A	7/8/2011	16
LAKEVIEW PLACE	LAKVWP	010	SCENIC ROAD	HUNTINGTON AVE	2	425	20	8500	R	S	7/11/2011	0
LAKEVIEW PLACE	LAKVWP	020	POMO	SCENIC	2	266	18	4788	R	G		0
LAKEVIEW WAY	LAKVWW	030	365 FT W/BAY ST	W/END	2	2422	18	43596	R	G		0
LAKEVIEW WAY	LAKVWW	020	MEADOWBROOK DR	365 FT W/BAY ST	2	636	20	12720	R	A	7/8/2011	49
LAKEVIEW WAY	LAKVWW	010	MEADOWBROOK DRIVE	OLD HIGHWAY 53	2	1420	30	42600	R	A	7/8/2011	29
LANE AVE	LANEAV	010	DAVIS AVE	CLEARLAKE RD	2	642	18	11556	R	G		0
LANSING AVE	LANSAV	010	DAVIS ST	HILLCREST AVE	2	682	16	10912	R	G		0
LASKY AVE	LASKAV	010	WEST 40TH	HILLCREST AVE	2	530	16	8480	R	G		0
LASKY AVE	LASKAV	020	VALLEY AVE	END	2	321	16	5136	R	G		0
LELABELLE BOULEVARD	LELABE	010	GOLF STREET	OLD HIGHWAY 53	2	920	16	14720	R	A	7/8/2011	1
LEONORE AVE	LEONOR	010	DAVIS AVE	N/ END	2	519	18	9342	R	S	7/8/2011	0
LILAC ST	LILAST	010	OLYMPIC DR	BOWERS ST	2	760	18	13680	R	G		0
LINCON AVE	LINCAV	010	DUNCAN AVE	N/END	2	989	18	17802	R	G		0
LOCUST STREET	LOCUST	010	OLYMPIC DRIVE	AUSTIN RD	2	900	16	14400	R	A	7/8/2011	6
LOWER LAKESHORE DRIVE	LOWLSD	010	LAKESHORE DRIVE	KERN STREET	2	1100	20	22000	R	A	7/8/2011	4
LOWER LAKESHORE DRIVE	LOWLSD	020	KERN ST	END	2	676	20	13520	R	A	7/8/2011	31
LUPOYOMA ST	LUPOST	010	LAKESHORE DR	KOLOKO ST	2	853	18	15354	R	G		0
MADISON DRIVE	MADISO	010	AUSTIN ROAD	POLK DRIVE	2	770	21	16170	R	A	7/13/2011	15
MADRONE STREET	MADRON	010	OLYMPIC DRIVE	AUSTIN WAY	2	1030	20	20600	R	S	7/8/2011	4
MANAKEE AVENUE	MANAKE	010	LAKESHORE DRIVE	POMO RD	2	1540	16	24640	R	S	7/11/2011	0
MANAKEE ST	MANAST	010	HUNTINGTON AVE	MANAKEE AVE	2	833	22	18326	R	A	7/11/2011	62
MANCHESTER AVE	MANCAV	010	VALLEY AVE	AUSTIN RD	2	1740	18	31320	R	G		0
MANZANITA AVE	MANZAV	010	PACIFIC AVE	220 FT N/MASON ST	2	957	18	17226	R	G		0
MANZANITA AVE	MANZAV	020	620 FT N/VICTOR AVE	133 FT S/VICTOR AVE	2	733	16	11728	R	G		0
MANZANITA AVE	MANZAV	030	DAVIS AVE	CLEARLAKE RD	2	587	18	10566	R	G		0
MAPLE STREET	MAPLES	010	OLYMPIC DRIVE	AUSTIN ROAD	2	1090	16	17440	C	S	7/8/2011	2
MARIN ST	MARIST	010	SAN JUAQUIN DR	END	2	1103	20	22060	R	G		0
MARINA COURT	MARINA	010	HIGHLAND HARBOR	END	2	395	30	11850	R	A	7/8/2011	9

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MARIPOSA DR	MARIDR	020	KERN DR	END	2	205	22	4510	R	G		0
MARIPOSA DR	MARIDR	010	LAKESHORE DR	KERN DR	2	523	22	11506	R	S	7/11/2011	11
MASON ST	MASOST	010	MANZANITA AVE	END	2	390	18	7020	R	G		0
MATEO	MATEO	010	18TH AVE	19TH AVE	2	244	16	3904	R	G		0
McKINLEY DRIVE	McKINL	010	POLK DRIVE	AUSTIN ROAD	2	700	20	14000	R	A	7/8/2011	14
MEADOWBROOK COURT	MEADOC	010	MEADOWBROOK DRIVE	END	2	250	18	4500	R	A	7/8/2011	3
MEADOWBROOK DRIVE	MEADOD	020	LAKEVIEW DR	PAVEMENT CHANGE	2	1365	24	32760	R	A	7/8/2011	58
MEADOWBROOK DRIVE	MEADOD	030	PAVEMENT CHANGE	LAKEVIEW DR	2	1845	24	44280	R	A	7/8/2011	1
MEMORY LANE	MEMOLN	010	OLYMPIC DR	END	2	971	22	21362	R	A	7/8/2011	86
MENDOCINO STREET	MENDST	010	SAN JUAQUIN DR	LAKESHORE DR	2	632	20	12640	R	A	7/11/2011	13
MESA DR	MESADR	010	LAKESHORE DR	LAKESHORE DR	2	1260	22	27720	R	G		0
MINT ST	MINTST	010	SANOMA AVE	ARROWHEAD RD	2	733	20	14660	R	G		0
MODOC STREET	MODOST	010	SONOMA AVE	ARROWHEAD RD	2	664	22	14608	C	A	7/8/2011	11
MOHICAN PL	MOHIPL	010	COTTAGE AVE	COTTAGE AVE	2	861	18	15498	R	G		0
MONTEREY DR	MONTDR	010	LAKESHORE DR	LAKESHORE DR	2	825	22	18150	R	A	7/11/2011	9
MOOSE TRIAL	MOOSTR	010	BURNS VALLEY RD	SONOMA WY	2	896	18	16128	R	G		0
MORGAN AVENUE	MORGAN	010	MANAKEE DRIVE	POMO ROAD	2	1185	20	23700	R	A	7/11/2011	27
MOUNTAIN VIEW STREET	MOUNTA	010	ARROWHEAD DRIVE	WOODLAND DRIVE	2	1420	24	34080	R	A	7/11/2011	9
MULLEN AVENUE	MULLEN	010	LAKESHORE DRIVE	WEST 40TH STREET	2	1140	17	19380	R	A	7/8/2011	12
MULLEN AVENUE	MULLEN	020	WEST 40th STREET	AUSTIN ROAD	2	1480	17	25160	R	A	7/8/2011	2
MYRTLE LN	MYRTLN	010	OLD HGWY 53	END	2	600	18	10800	R	G		0
NAPA ST	NAPAST	010	MENDOCINO ST	LAKESHORE DR	2	644	20	12880	R	A	7/11/2011	10
OAK AVE	OAKAVE	010	DAVIS AVE	N/ END	2	1503	16	24048	R	G		0
OAK AVE	OAKAVE	020	40TH AVE	DAVIS AVE	2	1511	18	27198	R	G		0
OAK AVE	OAKAVE	030	18TH AVE	34TH AVE	2	3827	18	68886	R	G		0
OAK AVE	OAKAVE	040	37TH AVE	39TH AVE	2	473	18	8514	R	G		0
OAK DRIVE	OAKDR	010	LAKESHORE DRIVE	OAKMOUNT DRIVE	2	1365	17	23205	R	S	7/11/2011	1
OAK STREET	OAKST	020	7TH STREET	EASTLAKE DRIVE	2	1050	70	73500	R	A	7/8/2011	32
OAK STREET	OAKST	010	14TH STREET	7TH STREET	2	1850	20	37000	R	A	7/8/2011	66
OAKLAND AVENUE	OAKLAN	010	ROBINSON AVE	UHL AVE	2	397	16	6352	R	G		0
OAKLAND AVENUE	OAKLAN	030	ALVITA AVE	AUSTIN RD	2	465	16	7440	R	G		0
OAKLAND AVENUE	OAKLAN	021	UHL AVE	RIDGE RD	2	500	16	8000	R	A	7/8/2011	16
OAKLAND AVENUE	OAKLAN	022	RIDGE RD	ALVITA AVE	2	341	16	5456	R	G		0
OAKMONT DRIVE	OAKMON	010	NORTH END	OAK DRIVE	2	2000	21	42000	R	A	7/11/2011	16
OAKMONT DRIVE	OAKMON	020	OAK DRIVE	CALAVERAS DRIVE	2	2600	21	54600	R	A	7/11/2011	10
OGULIN CANYON RD	OGCARD	010	HIGHWAY 53	CITY LIMITS	2	2224	18	40032	R	A	7/8/2011	14



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OLD STATE HIGHWAY 53	OLDSTA	020	HIGHLAND HARBOR	CASS	2	6050	25	151250	A	A	7/12/2011	84
OLD STATE HIGHWAY 53	OLDSTA	030	CASS	LAKE SHORE	2	1840	25	46000	A	A	7/12/2011	85
OLD STATE HIGHWAY 53	OLDSTA	040	LAKE SHORE	DAVIS	2	2370	22	52140	A	A	7/12/2011	89
OLD STATE HIGHWAY 53	OLDSTA	050	DAVIS	HIGHLANDS WAY	2	500	22	11000	A	A	7/12/2011	90
OLD STATE HIGHWAY 53	OLDSTA	060	HIGHLANDS WAY	AUSTIN DR	2	1400	22	30800	A	A	7/12/2011	90
OLD STATE HIGHWAY 53	OLDSTA	070	AUSTIN DR	OLYMPIC	2	1380	22	30360	A	A	7/12/2011	89
OLD STATE HIGHWAY 53	OLDSTA	080	OLYMPIC	RUMSEY ROAD	2	1900	23	43700	C	A	7/8/2011	44
OLD STATE HIGHWAY 53	OLDSTA	090	RUMSEY ROAD	DENMAN ROAD	2	3200	22	70400	C	A	7/8/2011	64
OLD STATE HIGHWAY 53	OLDSTA	100	DENMAN ROAD	HIGHWAY 53	2	1800	24	43200	C	A	7/8/2011	57
OLD STATE HIGHWAY 53	OLDSTA	010	300 W/O STATE HIGHWAY 53	HIGHLAND HARBOR	2	450	25	11250	A	A	7/12/2011	89
OLD STATE HIGHWAY 53	OLDSTA	009	STATE HIGHWAY 53	300 W/O STATE HIGHWAY 53	2	300	25	7500	A	A	7/12/2011	69
OLEANDER ST	OLEAST	010	ARROWHEAD ST	ACACIA ST	2	1996	20	39920	R	G		0
OLIVE STREET	OLIVES	010	OLYMPIC DRIVE	AUSTIN ROAD	2	740	17	12580	R	A	7/8/2011	0
OLYMPIC DRIVE	OLYMPI	010	LAKESHORE DRIVE	MATTIODA CT	2	3624	31	112344	A	A	7/12/2011	67
OLYMPIC DRIVE	OLYMPI	020	MATTIODA CT	SR53	2	4952	31	153512	A	A	7/12/2011	88
OREGON AVE	OREGAV	010	1ST ST	ACACIA ST	2	1287	20	25740	R	G		0
PACIFIC AVE	PACIAV	010	MANZANITA AVE	SPURCE AVE	2	633	16	10128	R	G		0
PALMER AVENUE	PALMER	010	LAKESHORE DRIVE	LAKESHORE DRIVE	2	4650	21	97650	C	A	7/8/2011	40
PARK ST	PARKST	010	ARROWHEAD ST	LAKESHORE DR	2	355	22	7810	R	O	7/11/2011	90
PARK ST	PARKST	020	OLD HIGHWAY 53	W/END	2	1047	18	18846	R	S	7/8/2011	0
PEARL AVENUE	PEARLA	010	DIVISION AVENUE	BAYLIS AVENUE	2	750	17	12750	R	A	7/13/2011	0
PEARL AVENUE	PEARLA	020	ALVITA AVENUE	HOWARD AVENUE	2	950	17	16150	R	A	7/13/2011	8
PEARL AVENUE	PEARLA	030	HOWARD AVENUE	UHL AVENUE	2	2000	17	34000	R	O	7/13/2011	86
PEARL ST	PEARST	010	KOLOKO ST	END	2	533	18	9594	R	G		0
PEONEY ST	PEONST	010	ARROWHEAD ST	ACACIA ST	2	2061	20	41220	R	G		0
PHILLIPS AVENUE	PHILLI	020	32ND AVENUE	40th AVENUE	2	1850	24	44400	C	A	7/8/2011	14
PHILLIPS AVENUE	PHILLI	030	40th AVENUE	DAVIS AVENUE	2	1400	24	33600	C	A	7/8/2011	10
PHILLIPS AVENUE	PHILLI	010	18TH AVENUE	32ND AVENUE	2	2400	24	57600	C	A	7/8/2011	14
PINE AVE	PINEAV	020	36TH AVE	28TH AVE	2	1995	18	35910	R	G		0
PINE AVE	PINEAV	030	21ST AVE	160 FT N/23RD AVE	2	602	18	10836	R	G		0
PINE AVE	PINEAV	011	DAVIS AVE	570 FT N/O DAVIS AVE	2	570	24	13680	R	A	7/8/2011	29
PINE AVE	PINEAV	012	570 FT N/O DAVIS AVE	181 FT N/O POLK AVE	2	1647	24	39528	R	G		0
PINE ST	PINEST	020	40TH AVE	532 FT N/40TH AVE	2	532	18	9576	R	G		0
PINE STREET	PINEST	010	OLYMPIC DRIVE	DIVISION AVENUE	2	550	30	16500	R	A	7/8/2011	12
PINEVIEW COURT	PINVWC	010	PINEVIEW DRIVE	END	2	180	23	4140	R	A	7/8/2011	24



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PINEVIEW DRIVE	PINVWD	010	RIDGEVIEW DRIVE	END	2	450	24	10800	R	A	7/8/2011	14
POLK AVE	POLKAV	010	RISHER DR	HIGHWAY 53	2	1016	18	18288	R	G		0
POLK AVE	POLKAV	020	HIGHWAY 53	CEDAR AVE	2	350	18	6300	R	G		0
POLK AVE	POLKAV	030	EUREKA AVE	END	2	1317	18	23706	R	G		0
POMO ROAD	POMORD	010	ARROWHEAD ROAD	WOODLAND DRIVE	2	1300	18	23400	R	O	7/11/2011	95
POND ST	PONDST	010	574 FT W/BRUNETTO LN	708 FT E/BRUNETTO LN	2	1281	22	28182	R	A	7/13/2011	90
PUTNAM LANE	PUTNLN	010	KETT AVE	OLD HIGHWAY 53	2	594	18	10692	R	A	7/8/2011	19
REDBUD LANE	REDBLN	010	MEMORY LN	END	2	381	22	8382	R	A	7/8/2011	42
REDWOOD DRIVE	REDWOO	010	OLYMPIC DRIVE	AUSTIN ROAD	2	1070	16	17120	R	S	7/8/2011	3
RIDGE ROAD	RIDGER	010	OAKLAND AVENUE	HOWARD AVENUE	2	400	18	7200	R	A	7/8/2011	5
RIDGE ROAD	RIDGER	020	HOWARD AVENUE	HOWARD AVENUE	2	2100	16	33600	R	A	7/8/2011	7
RIDGEVIEW DRIVE	RIDVWD	010	OLD HIGHWAY 53	LAKEVIEW WAY	2	1140	25	28500	R	A	7/8/2011	18
RISHER AVE	RISHAV	010	OLYMPIC DR	DUNCAN AVE	2	1365	18	24570	R	G		0
RIVERVIEW WAY	RIVVWW	010	HIGHLAND HARBOR DRIVE	MEADOWBROOK DRIVE	2	235	30	7050	R	A	7/8/2011	38
ROBIN LN	ROBILN	010	RUMSEY RD	N/END	2	1938	18	34884	R	G		0
ROBINSON AVENUE	ROBINS	020	DIVISION AVE	BAYLIS AVE	2	550	18	9900	R	G		0
ROBINSON AVENUE	ROBINS	010	ALVITA	MULLEN AVENUE	2	1780	17	30260	R	S	7/13/2011	0
RUMSEY ROAD	RUMSEY	010	BURNS VALLEY ROAD	GARNER LANE	2	1250	34	42500	C	A	7/11/2011	63
RUMSEY ROAD	RUMSEY	020	GARNER LANE	OLD HIGHWAY 53	2	2600	20	52000	C	A	7/11/2011	47
SAN JOAQUIN AVENUE	SANJOA	020	MENDOCINO	LAKESHORE DR (V104)	2	5000	22	110000	C	A	7/11/2011	31
SAN JOAQUIN AVENUE	SANJOA	010	CARTER LANE	MENDOCINO	2	1345	21	28245	C	A	7/11/2011	31
SAN JUAQUIN EXT	SAJUEX	010	LAKESHORE DR	LAKESHORE DR	2	1229	22	27038	R	G		0
SAN RAFAEL DR	SARADR	010	MESA DR	MESA DR	2	298	22	6556	R	G		0
SANTA CLARA ST	SACLST	020	GOLF CLUB DR	FRESNO ST	2	631	18	11358	R	G		0
SANTA CLARA ST	SACLST	010	FRESNO ST	115 FT E/COLUSA ST	2	660	22	14520	R	A	7/8/2011	9
SARONI PARKWAY	SARONI	010	OLD HIGHWAY 53	END	2	1250	22	27500	R	A	7/12/2011	0
SCENIC ROAD	SCENIC	010	LAKESHORE DRIVE	HUNTINGTON AVENUE	2	1040	20	20800	R	A	7/11/2011	4
SCHULTZ AVE	SCHUAV	010	VALLEY AVE	204 FT N/VALLEY AVE	2	204	18	3672	R	S	7/13/2011	0
SCHULTZ AVE	SCHUAV	020	204 FT N/VALLEY AVE	AUSTIN RD	2	1380	18	24840	R	G		0
SHARPE LANE	SHARLN	010	BURNS VALLEY RD	END	2	383	22	8426	R	A	7/11/2011	58
SMITH RD	SMITRD	010	RUMSEY RD	407 FT N/RUMSEY RD	2	407	22	8954	R	A	7/11/2011	82
SMITH RD	SMITRD	020	407 FT N/RUMSEY RD	CITY LIMITS	2	1518	20	30360	R	G		0
SNOOK AVE	SNOKAV	020	SPRUCE AVE	DAVIS AVE	2	1009	18	18162	R	G		0
SNOOK AVE	SNOKAV	010	WEST 40TH	SPRUCE AVE	2	358	20	7160	R	A	7/8/2011	12
SONOMA AVE	SONOAV	010	9TH ST	7TH ST	2	500	22	11000	R	A	7/8/2011	24
SONOMA AVE	SONOAV	020	7TH ST	ACACIA ST	2	2788	22	61336	R	G		0

**CITY OF CLEARLAKE  
STREET INVENTORY AND PCI REPORT  
(sorted alphabetically)**

Street Name	Street ID	Section ID	Begin Location	End Location	Lanes	Length (ft)	Width (ft)	Area (sf)	FC	ST	PCI Date	PCI
SONOMA WY	SONOWY	020	BURNS VALLEY RD	180 FT S/MOOSE TRIAL	2	1102	18	19836	R	G		0
SONOMA WY	SONOWY	030	DEER TRAIL	WOODLAND DR	2	822	18	14796	R	G		0
SONOMA WY	SONOWY	010	180 FT S/MOOSE TRIAL	DEER TRIAL	2	409	18	7362	R	A	7/11/2011	34
SOUTH CENTER DR	SOCNDR	010	DAM RD	WEST END	2	614	22	13508	R	A	7/8/2011	71
SPRUCE AVE	SPRCAV	010	PACIFIC AVE	CASS AVE	2	890	18	16020	R	A	7/13/2011	24
SPRUCE AVE	SPRCAV	020	DAVIS AVE	SNOOK AVE	2	1120	16	17920	R	G		0
SPRUCE AVE	SPRCAV	030	HALE DR	VICTOR AVE	2	1617	16	25872	R	G		0
STANYON	STANYO	010	MANZANITA AVE	SPURCE AVE	2	780	16	12480	R	G		0
STONYBROOK DRIVE	STONYD	010	WOODSIDE DRIVE	MEADOWBROOK DRIVE	2	1210	25	30250	R	S	7/8/2011	7
SULPHUR BANK DRIVE	SUBADR	010	CITY LIMITS	COUNTRY CLUB DRIVE	2	8500	24	204000	C	A	7/13/2011	43
SUNSET AVE	SUSTAV	020	WEST 40TH	HILLCREST AVE	2	651	18	11718	R	G		0
SUNSET AVE	SUSTAV	030	HILLCREST AVE	281 FT N/HILLCREST AVE	2	281	16	4496	R	G		0
SUNSET AVE	SUSTAV	010	281 FT N/HILLCREST AVE	DAVIS AVE	2	420	18	7560	R	A	7/13/2011	11
SYCAMORE STREET	SYCAMO	010	OLYMPIC DRIVE	AUSTIN ROAD	2	1180	16	18880	R	S	7/8/2011	6
SYLVIA COURT	SYLVIA	010	RUMSEY ROAD	END	2	100	80	8000	R	A	7/11/2011	86
TAAWINA STREET	TAAWIN	010	POMO ROAD	VISTA STREET	2	700	22	15400	R	A	7/11/2011	17
TAAWINA STREET	TAAWIN	020	VISTA ST	WOODLAND DR	2	702	18	12636	R	G		0
TAFT DRIVE	TAFTDR	010	JEFFERSON DRIVE	MCKINLEY DRIVE	2	315	22	6930	R	S	7/8/2011	2
THOMAS ST	THOMST	010	ALVITA AVE	AUSTIN RD	2	340	18	6120	R	G		0
TONYON ST	TONYST	010	ARROWHEAD ST	ACACIA ST	2	2431	20	48620	R	G		0
TROUBLE LN	TROULN	010	DAM RD	CACHE CREEK LN	2	1090	18	19620	R	G		0
TULARE	TULARE	010	LAKE SHORE DR	KERN DR	2	255	22	5610	R	A	7/11/2011	14
TURNER AVENUE	TURNER	030	HARRISON ST	LILAC ST	2	1211	18	21798	R	G		0
TURNER AVENUE	TURNER	010	HARRISON STREET	EMERSON AVENUE	2	490	22	10780	R	A	7/8/2011	50
TURNER AVENUE	TURNER	020	CLARKSON STREET	WASHINGTON STREET	2	235	22	5170	R	S	7/8/2011	1
UHL AVENUE	UHLAVE	040	MULLEN AVENUE	PALMER AVENUE	2	2000	18	36000	C	S	7/8/2011	4
UHL AVENUE	UHLAVE	010	OLYMPIC AVENUE	ALVITA AVENUE	2	1100	32	35200	R	S	7/8/2011	4
UHL AVENUE	UHLAVE	020	ALVITA AVE	HOWARD AVE	2	1050	18	18900	C	O	7/8/2011	92
UHL AVENUE	UHLAVE	030	HOWARD AVE	MULLEN AVE	2	1925	18	34650	C	S	7/8/2011	5
UKIAH STREET	UKIAHS	010	ARROWHEAD ROAD	WOODLAND DRIVE	2	590	19	11210	R	A	7/11/2011	16
UTAH ST	UTAHST	010	HALE DR	EAST END	2	510	16	8160	R	G		0
VALLEJO AVE	VALLAV	010	VICTOR AVE	120 FT N/HIGHLAND AVE	2	1042	18	18756	R	G		0
VALLEJO AVE	VALLAV	020	UTAH ST	383 FT S/UTAH ST	2	383	18	6894	R	G		0
VALLEY AVENUE	VALLEY	010	MULLEN AVENUE	LASKY AVENUE	2	2880	22	63360	R	S	7/13/2011	0
VETERANS LN	VETRLN	010	ROBINSON AVE	UHL AVE	2	394	20	7880	R	A	7/13/2011	33
VICTOR AVE	VICTAV	010	HIGHLAND AVE	18TH AVE	2	2088	16	33408	R	G		0

**CITY OF CLEARLAKE  
STREET INVENTORY AND PCI REPORT  
(sorted alphabetically)**

Street Name	Street ID	Section ID	Begin Location	End Location	Lanes	Length (ft)	Width (ft)	Area (sf)	FC	ST	PCI Date	PCI
VILLA AVE	VILLAV	010	DAVIS AVE	END	2	708	18	12744	R	S	7/8/2011	2
VILLA WY	VILLWY	010	OLYMPIC DR	LAKESHORE DR	2	1096	22	24112	R	S	7/11/2011	0
VISTA ROBLES	VISTAR	010	139 FT N/HIGHLAND	178 FT S/HIGHLAND	2	325	22	7150	R	A	7/13/2011	34
VISTA STREET	VISTAS	010	ARROWHEAD ROAD	WOODLAND DRIVE	2	1500	24	36000	R	A	7/11/2011	11
WALNUT AVENUE	WALNUT	010	PINE STREET	BUCKEYE STREET	2	2200	17	37400	R	S	7/8/2011	3
WALNUT AVENUE	WALNUT	020	MAPLE ST	REDWOOD ST	2	540	17	9180	R	A	7/8/2011	5
WASHINGTON STREET	WASHIN	010	OLYMPIC DRIVE	TURNER AVENUE	2	675	32	21600	R	A	7/8/2011	10
WEST 40TH	WEST40	020	HILLCREST AVENUE	OLD HIGHWAY 53	2	3417	18	61506	R	S	7/13/2011	19
WEST 40TH	WEST40	010	OLD HGWY 53	SNOOK AVE	2	1216	24	29184	R	A	7/13/2011	19
WEST 40TH	WEST40	030	OAKLAND AVE	BUCKEYE ST	2	239	15	3585	R	A	7/8/2011	16
WILDER AVE	WILDAV	010	WEST 40TH	HILLCREST AVE	2	651	18	11718	R	G		0
WILDER AVE	WILDAV	020	HILLCREST AVE	DAVIS AVE	2	694	18	12492	R	G		0
WILKINSON AVE	WILKAV	010	DAM RD	10TH AVE	2	2113	18	38034	R	G		0
WOODLAND DRIVE	WOODLA	010	BURNS VALLEY ROAD	LAKESHORE DRIVE	2	3150	17	53550	R	A	7/8/2011	2
WOODSIDE DRIVE	WOODSI	010	MEADOWBROOK DRIVE	MEADOWBROOK DRIVE	2	1020	26	26520	R	A	7/8/2011	3
YARRINGTON CT	YARRCT	010	OLD HIGHWAY 53	END	2	1060	18	19080	R	G		0
YOUNGS LN	YOUNLN	010	BURNS VALLEY RD	END	2	1053	20	21060	R	G		0
YUBA COLLEGE ACCESS RD	YCOARD	010	DAM RD	COLLEGE ENTRANCE	2	553	24	13272	R	A	11/10/2007	28

**Abbreviations**

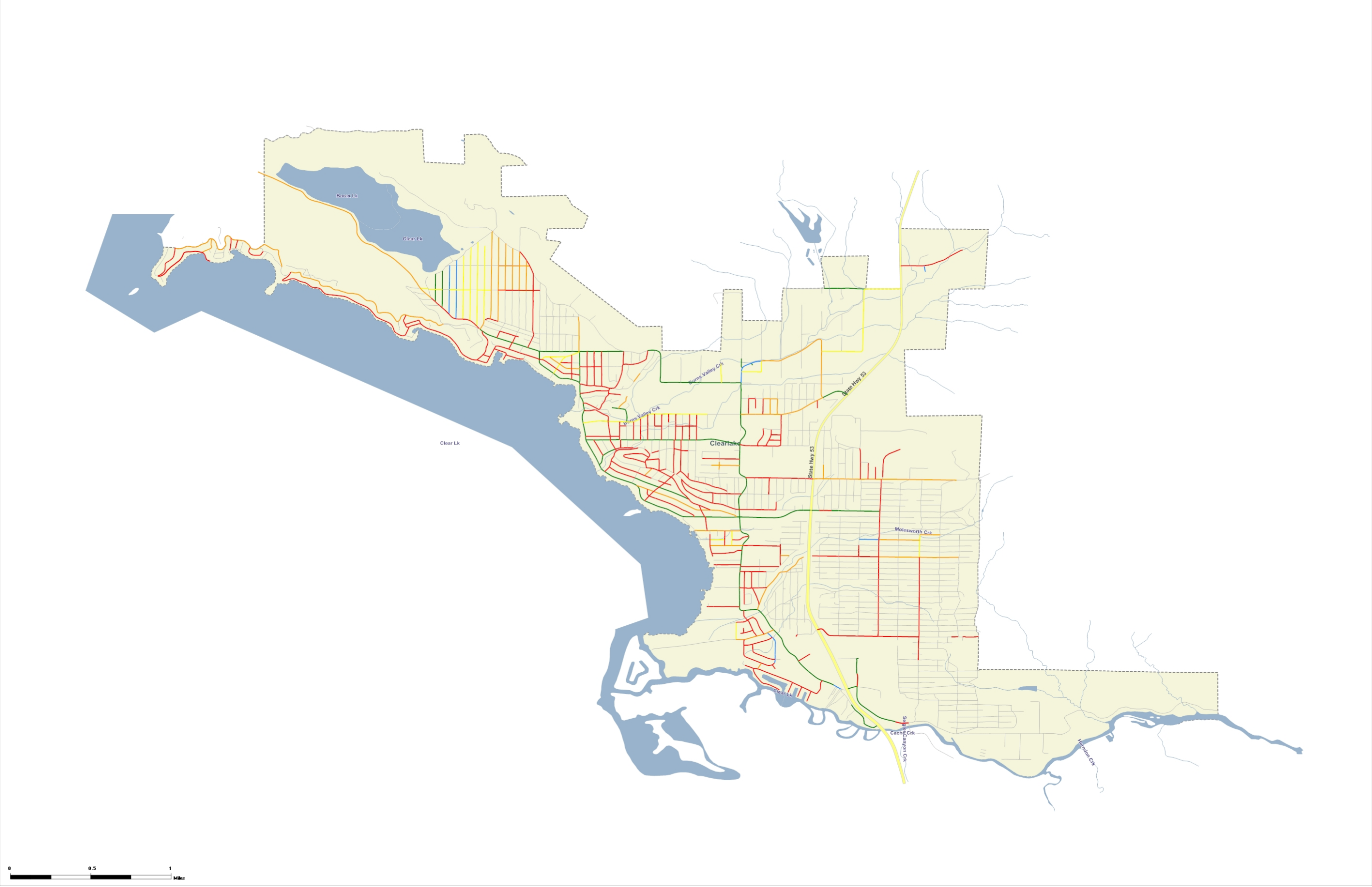
FC = Functional Classification (A= Arterrial, C=Collector, R=Residential, O=Other)

ST = Surface Type (A= Asphalt Concrete, O=AC overlay, P=Portland Cement Concrete, C=AC over PCC, ST=surface treated, G=Gravel)

PCI = Pavement Condition Index

## **Appendix B: GIS Map**

- I - Very Good
- II - Good (non-load)
- III - Good (load-related)
- IV - Poor
- V - Very Poor



## **Appendix C: M&R Treatment Description**

## **Brief Description of Maintenance and Rehabilitation Treatments**

### **Crack Sealing**

Crack Sealing is the placement of polymerized/rubberized asphalt materials into cracks that bond to the crack walls and move with the pavement. This technique is used to fill longitudinal and transverse cracks, including joint reflection cracks from underlying PCC slabs that are 1/8" to 1/2" wide. The primary purpose of crack sealing in Asphalt Concrete (AC) pavement is to prevent surface water infiltration into the substructure of pavement and to prevent the debris stay in the cracks. It is more cost effective to use this technique as preventative maintenance when the overall pavement condition is in good condition. Sealing cracks on a deteriorated pavement surface is not cost effective and will not provide any structural benefit to the road.

### **Fog seal**

A Fog seal involves the spraying of a light coat of a bituminous material (typically 0.03 to 0.05 gallon per square yard) on the surface of an existing pavement using a distributor. It is used to reduce raveling while also improving waterproofing. Fog seals are especially good for treating pavements that carry light traffic such as parking lots.

### **Slurry seals**

A slurry Seal consists of a graded aggregate, asphalt emulsion, mineral filler, water, and additives. It is a hard wearing surface for pavement preservation. Slurry Seals are used primarily on aged and raveled pavements, filling minor cracks, restoring skid resistance and adding aesthetic appeal. It may be used on low volume streets and parking lots. Larger cracks need to be individually treated before the application of a slurry seal. The surface is smoother than a chip seal treatment and is more "surface friendly". In general, slurry seal can be categorized into three types which depend on the maximum aggregate size in the mix. Type I slurry seals usually contain maximum aggregate size of 1/8"; Type II slurry seals usually contain maximum aggregate size of 1/4"; and Type III slurry seals usually contain maximum aggregate size of 3/8".

### **Scrub seals**

A scrub seals are a polymer modified asphalt layer applied to an asphalt pavement surface and scrubbed into the cracks and voids with a broom. A layer of sand or small aggregate is then applied over the asphalt and then scrubbed over again, forcing the mix into the cracks and voids to form a seal. It is used to fill and seal small cracks and voids, as well as to enrich hardened/oxidized asphalt. Many contractors are still unfamiliar with the scrub seal method, so tests may be needed to determine what emulsion or polymer-modified emulsion would work with the brooms.

### **Chip seal**

Chip seals are the application of asphalt and aggregate chips rolled onto the pavement. In the United States, chip seals are typically used on rural roads carrying lower traffic volumes. It is used to seal the surface of a pavement with non-load associated cracks, and to improve surface friction. During the treatment, the roadway can be opened to low-speed traffic just after the application of the aggregate. However, it requires constant attention and frequent adjustment of aggregate application rates to minimize chip loss, loose aggregates, and bleeding. Windshields can be damaged by the loose aggregate

before the excess is removed and dust can be created during the brooming of the loose aggregate. Double chip seals are common for more high volume roads.

## **Cape Seals**

A cape is the application of a chip seal followed by a slurry seal or microsurfacing within a few days of the initial treatment. Cape Seals are used where a chip seal is too rough and when a smooth finish is required e.g. in the residential streets. In instances where cracking is a problem, a polymer or asphalt rubber modified chip seal can alleviate cracking and the slurry provides the smooth surface. It can increase the life of a chip seal by enhancing binding of the chips and by protecting the surface.

## **Microsurfacing**

Microsurfacing consists of graded aggregates, asphalt emulsion, mineral filler, water and other additives. Compare to slurry seal, microsurfacing uses better quality aggregates and a fast setting emulsion of higher stiffness allowing thicker layers to be placed. Thus, it is usually used in the more specialized slurry jobs of rut filling, restoring surface profiles, and for roads that sustain heavy traffic. It also has quicker cure time, but the cost is higher than a slurry or chip seal treatment.

## **Ultrathin Bonded Wearing Surface**

An ultrathin bonded wearing surface is a specially formulated thin asphalt mix overlay. Ultra-thin bonded wearing surface is placed with a specially built machine that places a thick layer of oil and asphalt in a single pass. The heavy oil application seals small cracks in the existing pavement and helps to ensure the adhesion of the asphalt to the underlying pavement. The ultrathin mat, usually ranges from ½ to ¾ inches thick. The treatment is primarily used to provide a durable, friction resistant surface on existing pavement, without the expense of milling the existing asphalt. But the cost for this application is high, and it needs special construction equipment.

## **Hot-Mix Asphalt (HMA) Overlay**

This technique involves adding an HMA layer to an existing HMA or PCC pavement. It is used to correct or improve the structural capacity or functional requirements such as skid resistance and ride quality. The use of an HMA overlay is usually more economic when the existing pavement is still in good to fair condition. An overlay may be combined with other M&R methods such as cold milling, cold recycling, hot recycling, and heater scarification. The thickness of the new surface will be dependent on the type, severity and extent of the pavement surface distresses, the ride quality and the required structural improvement necessary to accommodate the design traffic.

## **Rubberized Hot-Mix Asphalt (RHMA)**

Rubberized hot-mix asphalt concrete (RHMA) is a road paving material made by blending ground-up recycled tires with asphalt to produce a binder which is then mixed with conventional aggregate materials. This mix is then placed and compacted into a road surface. There are two primary types of binders for RHMA, asphalt-rubber and terminal blend. Asphalt-Rubber is a blend of paving grade asphalt cement, ground recycled tire rubber and other additives, as needed, for use as binder in pavement construction. The rubber shall be blended and interacted in the hot asphalt cement sufficiently to cause swelling of the rubber particles prior to use. The asphalt-rubber binder is field blended (at the hot mix plant) and requires specialized mobile mixing



equipment to produce. Typical crumb rubber modifier (CRM) content for asphalt-rubber ranges from 18-22 percent. The crumb rubber modifier used in asphalt-rubber is in the 10-16 mesh range. Terminal blends are binder materials that use finely ground (less than 30 mesh) crumb rubber modifier and are typically blended at the asphalt refinery. Historically, terminal blend binders contained 10 percent or less crumb rubber modifier. However, in recent years the crumb rubber modifier content has been increased to 15-20 percent in some projects. The major advantages of using the RHMA are better resistance to reflective cracking and more environmental friendly which help to use recycled tires.

## **Reconstruction**

Reconstruction, which might be considered as the ultimate or extreme rehabilitation treatment, consists of the removal of the pavement structure which can go down to the subgrade, reworking and recompacting the subgrade, and completely replacing the pavement layers with new, or recycled materials, or a combination thereof.

## **Cold In-Place Recycling**

Cold in-place recycling involves cold milling of the pavement surface, addition of emulsified asphalt, Portland cement or other modifiers to improve the properties of the original asphalt concrete mix followed by screeding and compaction of the reprocessed material in one continuous operation. The use of cold in-place recycling can restore old pavement to the desired profile, eliminate existing wheel ruts, restore the crown and cross slope, and eliminate pothole, irregularities and rough areas. It can also eliminate transverse, reflective, and longitudinal cracks. The major advantages for the cold in-place recycling are the potential of cost savings, minimum traffic disruption, ability to retain original profile, reduction of environmental concerns, and a growing concern for depleting petroleum reserves. However, cold in-place recycled pavements require a new wearing surface to be placed as a seal and to restrict moisture intrusion.

## **Full Depth Reclamation**

This rehabilitation technique is often used for pavements exhibiting extensive distress. It involves pulverization of the pavement surface layers and a portion of the granular base for depths of up to 7.8 inches or more. The resulting mixture of asphalt concrete materials and granular or treated (i.e., soil cement) base can then be compacted and used as a granular base or sub-base for the new pavement. It can also be stabilized using bituminous materials, Portland cement, lime and calcium chloride. New granular base material can be added to improve the structural capacity of the pavement followed by the placement of a new riding surface. Advantages of this technique include the reuse of the existing pavement materials and the elimination of potential reflection cracking from an old asphalt concrete layer through the new pavement surface layer.

## **Perpetual Pavement**

Perpetual pavement is defined as an asphalt pavement designed and built to last longer than 50 years without requiring major structural rehabilitation or reconstruction, and needing only periodic surface renewal in response to distresses confined to the top of the pavement. The basic concept is that HMA pavements over a minimum strength are not likely to exhibit structural damage even when subjected to very high traffic flows over long periods of time. Rather, deterioration seems to initiate in the pavement surface as either top-down cracking or rutting. If surface-initiated cracking and rutting can be

detected and remedied before they impact the structural integrity of the pavement, the pavement design life could be greatly increased.

### **Warm Mix Asphalt**

Warm mix asphalt is the same as conventional asphalt except it has lower mixing temperature (30 to 100°F lower than hot-mix asphalt). This is achieved by various mechanical and chemical methods to reduce the shear resistance of the mix at the construction temperature while reportedly maintaining or improving pavement performance. The major advantage of warm mix asphalt includes lower fumes emissions, lower energy consumption, lower plant wear consumption, decreased binder aging, early site opening, cool weather paving, and compaction aid for stiff mixes. Currently available warm mix technologies include WAM Foam, Zeolite, Sasobit and Evotherm.

### **Foam Asphalt**

Foamed asphalt is formed by combining hot asphalt binder with small amounts of cold water. When the cold water comes in contact with the hot asphalt binder it turns to steam, which becomes trapped in tiny asphalt binder bubbles. The result is a thin-film, high volume asphalt foam that bitumen has a very large surface area and extremely low viscosity making it ideal for mixing with aggregates. The advantages of using foam asphalt includes increases the shear strength and reduces the moisture susceptibility of granular materials, lower binder and transportation costs, saving in time, energy conservation, and wider temperature workability.

#### **Reference:**


- Ralph Haas, *Pavement Design and Management Guide*, , Transportation Association of Canada, 1997
- M. Y. Shahin, *Pavement Management for Airports, Roads, and Parking Lots*, Springer Science + Business Media, LLC, 2005
- Muthen, K.M. Foamed Asphalt Mixes-Mix Design Procedure." *Transportation Research Record* 898, pp. 290-296.
- Warm Mix Asphalt Technical Working Group,  
<http://www.warmmixasphalt.com/AboutWma.aspx>

## **Appendix D: M&R Decision Tree**

## Decision Tree

Printed: 02/10/2012

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Arterial	AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$1.10	4		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		DIG OUT (MINOR) /0.15' OVERLAY	\$14.60			
		III - Good, Load Related		DIG OUT / 0.15' OVERLAY	\$17.60			
		IV - Poor		COLD IN PLACE RECYCLING (3")	\$31.40			
		V - Very Poor		COLD IN PLACE RECYCLING (3") / DIG OUTS	\$37.60			
	AC/AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$1.10	4		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		DIG OUT (MINOR) /0.15' OVERLAY	\$14.60			
		III - Good, Load Related		DIG OUT / 0.15' OVERLAY	\$17.60			
		IV - Poor		COLD IN PLACE RECYCLING (3")	\$31.40			
		V - Very Poor		COLD IN PLACE RECYCLING (3") / DIG OUTS	\$37.60			
	AC/PCC	I - Very Good	Crack Treatment	SEAL CRACKS	\$0.60	3		
			Surface Treatment	SINGLE CHIP SEAL	\$0.74		6	
			Restoration Treatment	MILL AND THICK OVERLAY	\$7.23			2
		II - Good, Non-Load Related		DOUBLE CHIP SEAL	\$1.52			
		III - Good, Load Related		HEATER SCARIFY & OVERLAY	\$5.95			
		IV - Poor		HEATER SCARIFY & OVERLAY	\$6.14			
		V - Very Poor		RECONSTRUCT SURFACE (AC)	\$14.00			
	PCC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	3		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		DO NOTHING	\$1.11			
		III - Good, Load Related		DO NOTHING	\$1.51			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	\$1.92			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	\$14.00			

 Functional Class and Surface combination not used

## Decision Tree


Printed: 02/10/2012

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Arterial	ST	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	4		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		SINGLE CHIP SEAL	\$2.00		7	
		III - Good, Load Related		SINGLE CHIP SEAL	\$2.00			
		IV - Poor		SINGLE CHIP SEAL	\$2.00			
		V - Very Poor		RECONSTRUCT SURFACE (AC)	\$71.30			

## Decision Tree

Printed: 02/10/2012

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Collector	AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$1.10	4		
			Surface Treatment	DO NOTHING	\$0.00		9	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		DIG OUT (MINOR) /CAPE SEAL	\$4.20		9	
		III - Good, Load Related		DIG OUT / CAPE SEAL	\$5.60			
		IV - Poor		MILL AND FILL (2")	\$24.60			
		V - Very Poor		FDR AND OVERLAY (4")	\$49.80			
	AC/AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$1.10	4		
			Surface Treatment	DO NOTHING	\$0.00		9	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		DIG OUT (MINOR) /CAPE SEAL	\$4.20		9	
		III - Good, Load Related		DIG OUT / CAPE SEAL	\$5.60			
		IV - Poor		MILL AND FILL (2")	\$24.60			
		V - Very Poor		FDR AND OVERLAY (4")	\$49.80			
	AC/PCC	I - Very Good	Crack Treatment	SEAL CRACKS	\$0.60	4		
			Surface Treatment	SINGLE CHIP SEAL	\$0.74		7	
			Restoration Treatment	MILL AND THIN OVERLAY	\$5.04			3
		II - Good, Non-Load Related		DOUBLE CHIP SEAL	\$1.52			
		III - Good, Load Related		HEATER SCARIFY & OVERLAY	\$5.95			
		IV - Poor		HEATER SCARIFY & OVERLAY	\$6.14			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	\$11.38			
	PCC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	9		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		DO NOTHING	\$1.11			
		III - Good, Load Related		DO NOTHING	\$1.51			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	\$1.92			
		V - Very Poor		THIN AC OVERLAY(1.5 INCHES)	\$7.47			

 Functional Class and Surface combination not used

## Decision Tree


Printed: 02/10/2012

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Collector	ST	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	9		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		SINGLE CHIP SEAL	\$2.00		7	
		III - Good, Load Related		SINGLE CHIP SEAL	\$2.00			
		IV - Poor		SINGLE CHIP SEAL	\$2.00			
		V - Very Poor		RECONSTRUCT SURFACE (AC)	\$46.70			

## Decision Tree

Printed: 02/10/2012

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Residential/Local	AC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	9		
			Surface Treatment	SLURRY SEAL	\$1.70		7	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		DIG OUT (MINOR) /CAPE SEAL	\$4.90		9	
		III - Good, Load Related		DIG OUT / CAPE SEAL	\$7.20			
		IV - Poor		THIN OVERLAY (2") / NO DIG OUTS	\$16.10			
		V - Very Poor		THIN OVERLAY (2") / MINOR DIG OUTS	\$19.60			
	AC/AC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	99		
			Surface Treatment	SLURRY SEAL	\$1.70		7	
			Restoration Treatment	DO NOTHING	\$0.00			99
		II - Good, Non-Load Related		DIG OUT (MINOR) /CAPE SEAL	\$4.90		9	
		III - Good, Load Related		DIG OUT / CAPE SEAL	\$7.20			
		IV - Poor		THIN OVERLAY (2") / NO DIG OUTS	\$16.10			
		V - Very Poor		THIN OVERLAY (2") / MINOR DIG OUTS	\$19.60			
	AC/PCC	I - Very Good	Crack Treatment	SEAL CRACKS	\$0.60	4		
			Surface Treatment	SINGLE CHIP SEAL	\$0.74		8	
			Restoration Treatment	MILL AND THIN OVERLAY	\$5.04			3
		II - Good, Non-Load Related		DOUBLE CHIP SEAL	\$1.52			
		III - Good, Load Related		HEATER SCARIFY & OVERLAY	\$5.95			
		IV - Poor		HEATER SCARIFY & OVERLAY	\$6.14			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	\$8.25			
	PCC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	4		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		DO NOTHING	\$1.11			
		III - Good, Load Related		DO NOTHING	\$0.00			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	\$1.92			
		V - Very Poor		THICK AC OVERLAY(2.5 INCHES)	\$7.27			

 Functional Class and Surface combination not used



## Decision Tree


Printed: 02/10/2012

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Residential/Local	ST	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	9		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		SINGLE CHIP SEAL	\$2.00		7	
		III - Good, Load Related		SINGLE CHIP SEAL	\$2.00			
		IV - Poor		SINGLE CHIP SEAL	\$2.00			
		V - Very Poor		DOUBLE CHIP SEAL	\$4.50			

## Decision Tree

Printed: 02/10/2012

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Other	AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$1.60	4		
			Surface Treatment	SINGLE CHIP SEAL	\$1.74		8	
			Restoration Treatment	MILL AND THIN OVERLAY	\$5.04			3
		II - Good, Non-Load Related		SINGLE CHIP SEAL	\$1.11			
		III - Good, Load Related		THIN AC OVERLAY(1.5 INCHES)	\$3.99			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	\$5.97			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	\$8.75			
	AC/AC	I - Very Good	Crack Treatment	SEAL CRACKS	\$1.60	4		
			Surface Treatment	SINGLE CHIP SEAL	\$1.74		8	
			Restoration Treatment	MILL AND THIN OVERLAY	\$5.04			3
		II - Good, Non-Load Related		DOUBLE CHIP SEAL	\$1.52			
		III - Good, Load Related		HEATER SCARIFY & OVERLAY	\$5.95			
		IV - Poor		HEATER SCARIFY & OVERLAY	\$6.14			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	\$8.75			
	AC/PCC	I - Very Good	Crack Treatment	SEAL CRACKS	\$1.60	4		
			Surface Treatment	SINGLE CHIP SEAL	\$1.74		8	
			Restoration Treatment	MILL AND THIN OVERLAY	\$5.04			3
		II - Good, Non-Load Related		DOUBLE CHIP SEAL	\$1.52			
		III - Good, Load Related		HEATER SCARIFY & OVERLAY	\$5.95			
		IV - Poor		HEATER SCARIFY & OVERLAY	\$6.14			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	\$8.75			
	PCC	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	9		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		DO NOTHING	\$1.11			
		III - Good, Load Related		DO NOTHING	\$1.51			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	\$1.92			
		V - Very Poor		THICK AC OVERLAY(2.5 INCHES)	\$7.27			

 Functional Class and Surface combination not used

## Decision Tree

Printed: 02/10/2012

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Other	ST	I - Very Good	Crack Treatment	DO NOTHING	\$0.00	9		
			Surface Treatment	DO NOTHING	\$0.00		99	
			Restoration Treatment	DO NOTHING	\$0.00			100
		II - Good, Non-Load Related		SINGLE CHIP SEAL	\$1.11			
		III - Good, Load Related		SINGLE CHIP SEAL	\$1.51			
		IV - Poor		SINGLE CHIP SEAL	\$1.92			
		V - Very Poor		THICK AC OVERLAY(2.5 INCHES)	\$7.27			

## **Appendix E: Candidate Roads for M&R**

### **Scenario 1. City Budget (\$200,000 per year)**

## Scenarios - Sections Selected for Treatment

Interest: .00%

Inflation: .00%

Printed: 03/19/2012

Scenario: City Budget

Year	Budget	PM Amt	Year	Budget	PM Amt	Year	Budget	PM Amt
2012	\$200,000	9%	2013	\$200,000	1%	2014	\$200,000	4%
2015	\$200,000	4%	2016	\$200,000	1%			

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
<b>Year: 2012</b>										
BLUE GUM STREET	OLYMPIC DRIVE	WALNUT AVENUE	BLUEGU	010	R	ST	100	\$3,500	74,110	DOUBLE CHIP SEAL
BUCKEYE STREET	OLYMPIC DRIVE	WALNUT AVENUE	BUCKEY	010	R	ST	100	\$4,000	74,110	DOUBLE CHIP SEAL
CLARKSON STREET	TURNERS ST	END	CLARST	010	R	ST	100	\$4,100	74,110	DOUBLE CHIP SEAL
COLUSA DRIVE	LOWER LAKESHORE DR	END	COLUDR	020	R	ST	100	\$2,180	74,110	DOUBLE CHIP SEAL
COTTONWOOD STREET	OLYMPIC DRIVE	AUSTIN ROAD	COTTON	010	R	ST	100	\$9,450	74,110	DOUBLE CHIP SEAL
CYPRESS STREET	OLYMPIC DRIVE	AUSTIN ROAD	CYPRES	010	R	ST	100	\$8,720	74,110	DOUBLE CHIP SEAL
EMILE	DAVIS AVE	N/ END	EMILE	010	R	ST	100	\$7,407	74,110	DOUBLE CHIP SEAL
EAST LAKE DRIVE	EAST LAKE EXT	2ND ST	ESLKDR	010	R	ST	100	\$11,913	74,110	DOUBLE CHIP SEAL
EUREKA AVE	DAVIS AVE	ARGONNE	EUREAV	010	R	ST	100	\$11,322	74,110	DOUBLE CHIP SEAL
EUREKA AVE	34TH AVE	32 ND AVE	EUREAV	020	R	ST	100	\$4,338	74,110	DOUBLE CHIP SEAL
GARFIELD AVE	OLYMPIC DR	S/END	GARFAV	010	R	ST	100	\$1,860	74,110	DOUBLE CHIP SEAL
KOLOKO STREET	KABAL STREET	WOODLAND DRIVE	KOLOKO	010	R	ST	100	\$6,720	74,110	DOUBLE CHIP SEAL
KONOCTI STREET	LAKESHORE DR	KOLOKO ST	KONOST	010	R	ST	100	\$10,615	74,110	DOUBLE CHIP SEAL
LAKEVIEW PLACE	SCENIC ROAD	HUNTINGTON AVE	LAKVWP	010	R	ST	100	\$4,250	74,110	DOUBLE CHIP SEAL
LEONORE AVE	DAVIS AVE	N/ END	LEONOR	010	R	ST	100	\$4,671	74,110	DOUBLE CHIP SEAL
MADRONE STREET	OLYMPIC DRIVE	AUSTIN WAY	MADRON	010	R	ST	100	\$10,300	74,110	DOUBLE CHIP SEAL
MANAKEE AVENUE	LAKESHORE DRIVE	POMO RD	MANAKE	010	R	ST	100	\$12,320	74,110	DOUBLE CHIP SEAL
MARIPOSA DR	LAKESHORE DR	KERN DR	MARIDR	010	R	ST	100	\$5,753	74,110	DOUBLE CHIP SEAL
OAK DRIVE	LAKESHORE DRIVE	OAKMOUNT DRIVE	OAKDR	010	R	ST	100	\$11,603	74,110	DOUBLE CHIP SEAL
PARK ST	OLD HIGHWAY 53	W/END	PARKST	020	R	ST	100	\$9,423	74,110	DOUBLE CHIP SEAL
REDWOOD DRIVE	OLYMPIC DRIVE	AUSTIN ROAD	REDWOO	010	R	ST	100	\$8,560	74,110	DOUBLE CHIP SEAL
ROBINSON AVENUE	ALVITA	MULLEN AVENUE	ROBINS	010	R	ST	100	\$15,130	74,110	DOUBLE CHIP SEAL
SCHULTZ AVE	VALLEY AVE	204 FT N/VALLEY AVE	SCHUAV	010	R	ST	100	\$1,836	74,110	DOUBLE CHIP SEAL

\*\* - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
SYCAMORE STREET	OLYMPIC DRIVE	AUSTIN ROAD	SYCAMO	010	R	ST	100	\$9,440	74,110	DOUBLE CHIP SEAL
TURNER AVENUE	CLARKSON STREET	WASHINGTON STREET	TURNER	020	R	ST	100	\$2,585	74,110	DOUBLE CHIP SEAL
Treatment Total								\$181,996		
16TH STREET	COUNTRY CLUB DR	SULPHUR BANK RD	16THST	010	R	AC	89	\$4,534	162,480	SLURRY SEAL
CACHE CREEK WY	OLD HIGHWAY 53	END	CACRWY	010	R	AC	89	\$4,862	162,480	SLURRY SEAL
MEMORY LANE	OLYMPIC DR	END	MEMOLN	010	R	AC	91	\$4,036	75,611	SLURRY SEAL
SMITH RD	RUMSEY RD	407 FT N/RUMSEY RD	SMITRD	010	R	AC	88	\$1,692	154,952	SLURRY SEAL
SYLVIA COURT	RUMSEY ROAD	END	SYLVIA	010	R	AC	91	\$1,512	75,544	SLURRY SEAL
Treatment Total								\$16,636		
BURNS VALLEY ROAD	RUMSEY RD	OLYMPIC DR	BURNSV	030	C	AC	85	\$78	853,843	SEAL CRACKS
LAKESHORE DRIVE	STATE HIGHWAY 53	OLD STATE HIGHWAY	LAKEDR	010	A	AC	85	\$202	1,489,134	SEAL CRACKS
OLD STATE HIGHWAY 53	HIGHLAND HARBOR	CASS	OLDSTA	020	A	AC	83	\$462	1,289,253	SEAL CRACKS
OLD STATE HIGHWAY 53	CASS	LAKE SHORE	OLDSTA	030	A	AC	84	\$130	1,401,344	SEAL CRACKS
Treatment Total								\$872		
Year 2012 Total								\$199,504		
Year: 2013										
COLUSA ST	ARROWHEAD RD	LAKESHORE DR	COLUST	012	R	AC	100	\$10,733	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
Treatment Total								\$10,733		
5TH STREET	EASTLAKE DRIVE	BUSH STREET	5THST	010	R	AC	100	\$29,202	48,420	THIN OVERLAY (2") / NO DIG OUTS
LAKESIDE COURT	LAKESIDE DRIVE	END	LAKSDC	010	R	AC	100	\$5,904	48,420	THIN OVERLAY (2") / NO DIG OUTS
Treatment Total								\$35,106		
OLD STATE HIGHWAY 53	STATE HIGHWAY 53	300 W/O STATE HIGHWAY 53	OLDSTA	009	A	AC	100	\$12,167	60,448	DIG OUT (MINOR) /0.15' OVERLAY
Treatment Total								\$12,167		
STONYBROOK DRIVE	WOODSIDE DRIVE	MEADOWBROOK DRIVE	STONYD	010	R	ST	100	\$15,125	74,110	DOUBLE CHIP SEAL
TAFT DRIVE	JEFFERSON DRIVE	MCKINLEY DRIVE	TAFTDR	010	R	ST	100	\$3,465	74,110	DOUBLE CHIP SEAL
UHL AVENUE	OLYMPIC AVENUE	ALVITA AVENUE	UHLAVE	010	R	ST	100	\$17,600	74,110	DOUBLE CHIP SEAL
VALLEY AVENUE	MULLEN AVENUE	LASKY AVENUE	VALLEY	010	R	ST	100	\$31,680	74,110	DOUBLE CHIP SEAL
VILLA AVE	DAVIS AVE	END	VILLAV	010	R	ST	100	\$6,372	74,110	DOUBLE CHIP SEAL

\*\* - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
VILLA WY	OLYMPIC DR	LAKESHORE DR	VILLWY	010	R	ST	100	\$12,056	74,110	DOUBLE CHIP SEAL
WALNUT AVENUE	PINE STREET	BUCKEYE STREET	WALNUT	010	R	ST	100	\$18,700	74,110	DOUBLE CHIP SEAL
WEST 40TH	HILLCREST AVENUE	OLD HIGHWAY 53	WEST40	020	R	ST	100	\$30,753	74,110	DOUBLE CHIP SEAL
Treatment Total								\$135,751		
BURNS VALLEY ROAD	UKIAH ST	RUMSEY RD	BURNSV	020	C	AC/AC	82	\$330	1,032,689	SEAL CRACKS
LAKESHORE DRIVE	OLD STATE HWY	DIVISION AVE	LAKEDR	020	A	AC	84	\$445	1,636,918	SEAL CRACKS
LAKESHORE DRIVE	DIVISION AVE	OLYMPIC DR	LAKEDR	031	A	AC	85	\$244	1,797,525	SEAL CRACKS
OLYMPIC DRIVE	MATTIODA CT	SR53	OLYMPI	020	A	AC	85	\$387	1,797,525	SEAL CRACKS
Treatment Total								\$1,406		
Year 2013 Total								\$195,163		

## Year: 2014

EVANS AVENUE	ALVITA AVENUE	AUSTIN ROAD	EVANSA	010	R	AC	100	\$13,938	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
Treatment Total								\$13,938		
7TH STREET	EASTLAKE DRIVE	SONOMA AVENUE	7THST	010	R	AC	100	\$133,809	48,272	THIN OVERLAY (2") / NO DIG OUTS
LAKEVIEW WAY	MEADOWBROOK DR	365 FT W/BAY ST	LAKVWW	020	R	AC	100	\$22,755	48,023	THIN OVERLAY (2") / NO DIG OUTS
TURNER AVENUE	HARRISON STREET	EMERSON AVENUE	TURNER	010	R	AC	100	\$19,285	47,750	THIN OVERLAY (2") / NO DIG OUTS
Treatment Total								\$175,849		
PEARL AVENUE	HOWARD AVENUE	UHL AVENUE	PEARLA	030	R	AC/AC	88	\$6,423	95,569	SLURRY SEAL
Treatment Total								\$6,423		
40TH AVENUE	HIGHWAY 53	PHILLIPS AVENUE	40THAV	020	C	AC/AC	85	\$106	1,627,053	SEAL CRACKS
AUSTIN ROAD	PINE STREET	OLD HIGHWAY 53	AUSTIN	020	C	AC/AC	85	\$172	2,014,719	SEAL CRACKS
OLD STATE HIGHWAY 53	300 W/O STATE HIGHWAY 53	HIGHLAND HARBOR	OLDSTA	010	A	AC	85	\$30	1,969,304	SEAL CRACKS
OLD STATE HIGHWAY 53	LAKE SHORE	DAVIS	OLDSTA	040	A	AC	85	\$136	1,969,304	SEAL CRACKS
OLD STATE HIGHWAY 53	AUSTIN DR	OLYMPIC	OLDSTA	070	A	AC	85	\$79	1,969,304	SEAL CRACKS
UHL AVENUE	ALVITA AVE	HOWARD AVE	UHLAVE	020	C	AC/AC	86	\$34	1,889,555	SEAL CRACKS
Treatment Total								\$557		
Year 2014 Total								\$196,767		

\*\* - Treatment from Project Selection

Scenarios Criteria:



Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
Year: 2015										
35TH AVENUE	EUREKA AVENUE	PHILLIPS AVENUE	35THAV	010	R	AC	100	\$24,401	47,547	THIN OVERLAY (2") / NO DIG OUTS
BARTRAM CIRCLE	RUMSEY ROAD	GARNER LANE	BARTRA	010	R	AC	100	\$36,064	46,819	THIN OVERLAY (2") / NO DIG OUTS
BAY STREET	LAKESIDE DRIVE	LAKEVIEW WAY	BAYST	010	R	AC	100	\$32,200	47,818	THIN OVERLAY (2") / NO DIG OUTS
BOYLES AVENUE	32ND AVENUE	36TH AVENUE	BOYLES	030	R	AC	100	\$41,145	46,831	THIN OVERLAY (2") / NO DIG OUTS
GARNER LANE	RUMSEY ROAD	BARTMAN CIRCLE	GARNER	010	R	AC	100	\$24,043	46,417	THIN OVERLAY (2") / NO DIG OUTS
HUNTINGTON AVENUE	LAKESHORE DRIVE	ARROWHEAD DRIVE	HUNTIN	010	R	AC	100	\$30,054	47,858	THIN OVERLAY (2") / NO DIG OUTS
Treatment Total								\$187,907		
PARK ST	ARROWHEAD ST	LAKESHORE DR	PARKST	010	R	AC/AC	91	\$1,476	100,032	SLURRY SEAL
POND ST	574 FT W/BRUNETTO LN	708 FT E/BRUNETTO LN	PONDST	010	R	AC	90	\$5,324	80,877	SLURRY SEAL
Treatment Total								\$6,800		
LAKESHORE DRIVE	OLYMPIC DR	SCENIC RD	LAKEDR	032	C	AC/AC	85	\$212	2,221,981	SEAL CRACKS
LAKESHORE DRIVE	SCENIC DR	PARK ST	LAKEDR	041	C	AC/AC	85	\$84	2,221,981	SEAL CRACKS
OLD STATE HIGHWAY 53	DAVIS	HIGHLANDS WAY	OLDSTA	050	A	AC	85	\$29	2,151,687	SEAL CRACKS
OLD STATE HIGHWAY 53	HIGHLANDS WAY	AUSTIN DR	OLDSTA	060	A	AC	85	\$81	2,151,687	SEAL CRACKS
Treatment Total								\$406		
Year 2015 Total								\$195,113		
Year: 2016										
2ND STREET	EAST LAKE DR	BUSH DR	2NDST	010	R	AC	100	\$26,352	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
Treatment Total								\$26,352		
INDUSTRIAL COURT	OGULIN CANYON RD	CUL-DE-SAC	INDUCT	010	R	AC	100	\$10,734	46,796	THIN OVERLAY (2") / NO DIG OUTS
MEADOWBROOK DRIVE	LAKEVIEW DR	PAVEMENT CHANGE	MEADOD	020	R	AC	100	\$58,604	47,188	THIN OVERLAY (2") / NO DIG OUTS
SHARPE LANE	BURNS VALLEY RD	END	SHARLN	010	R	AC	100	\$15,074	47,181	THIN OVERLAY (2") / NO DIG OUTS
Treatment Total								\$84,412		
BLUE GUM STREET	OLYMPIC DRIVE	WALNUT AVENUE	BLUEGU	010	R	ST	100	\$1,556	56,704	SINGLE CHIP SEAL

\*\* - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
BUCKEYE STREET	OLYMPIC DRIVE	WALNUT AVENUE	BUCKEY	010	R	ST	100	\$1,778	56,704	SINGLE CHIP SEAL
CLARKSON STREET	TURNERS ST	END	CLARST	010	R	ST	100	\$1,823	56,704	SINGLE CHIP SEAL
COLUSA DRIVE	LOWER LAKESHORE DR	END	COLUDR	020	R	ST	100	\$969	56,704	SINGLE CHIP SEAL
COTTONWOOD STREET	OLYMPIC DRIVE	AUSTIN ROAD	COTTON	010	R	ST	100	\$4,200	56,704	SINGLE CHIP SEAL
CYPRESS STREET	OLYMPIC DRIVE	AUSTIN ROAD	CYPRES	010	R	ST	100	\$3,876	56,704	SINGLE CHIP SEAL
EMILE	DAVIS AVE	N/ END	EMILE	010	R	ST	100	\$3,292	56,704	SINGLE CHIP SEAL
EAST LAKE DRIVE	EAST LAKE EXT	2ND ST	ESLKDR	010	R	ST	100	\$5,295	56,704	SINGLE CHIP SEAL
EUREKA AVE	DAVIS AVE	ARGONNE	EUREAV	010	R	ST	100	\$5,032	56,704	SINGLE CHIP SEAL
EUREKA AVE	34TH AVE	32 ND AVE	EUREAV	020	R	ST	100	\$1,928	56,704	SINGLE CHIP SEAL
GARFIELD AVE	OLYMPIC DR	S/END	GARFAV	010	R	ST	100	\$827	56,704	SINGLE CHIP SEAL
KOLOKO STREET	KABAL STREET	WOODLAND DRIVE	KOLOKO	010	R	ST	100	\$2,987	56,704	SINGLE CHIP SEAL
KONOCI STREET	LAKESHORE DR	KOLOKO ST	KONOST	010	R	ST	100	\$4,718	56,704	SINGLE CHIP SEAL
LAKEVIEW PLACE	SCENIC ROAD	HUNTINGTON AVE	LAKVWP	010	R	ST	100	\$1,889	56,704	SINGLE CHIP SEAL
LEONORE AVE	DAVIS AVE	N/ END	LEONOR	010	R	ST	100	\$2,076	56,704	SINGLE CHIP SEAL
MADRONE STREET	OLYMPIC DRIVE	AUSTIN WAY	MADRON	010	R	ST	100	\$4,578	56,704	SINGLE CHIP SEAL
MANAKEE AVENUE	LAKESHORE DRIVE	POMO RD	MANAKE	010	R	ST	100	\$5,476	56,704	SINGLE CHIP SEAL
MARIPOSA DR	LAKESHORE DR	KERN DR	MARIDR	010	R	ST	100	\$2,557	56,704	SINGLE CHIP SEAL
OAK DRIVE	LAKESHORE DRIVE	OAKMOUNT DRIVE	OAKDR	010	R	ST	100	\$5,157	56,704	SINGLE CHIP SEAL
PARK ST	OLD HIGHWAY 53	W/END	PARKST	020	R	ST	100	\$4,188	56,704	SINGLE CHIP SEAL
REDWOOD DRIVE	OLYMPIC DRIVE	AUSTIN ROAD	REDWOO	010	R	ST	100	\$3,805	56,704	SINGLE CHIP SEAL
ROBINSON AVENUE	ALVITA	MULLEN AVENUE	ROBINS	010	R	ST	100	\$6,725	56,704	SINGLE CHIP SEAL
SCHULTZ AVE	VALLEY AVE	204 FT N/VALLEY AVE	SCHUAV	010	R	ST	100	\$816	56,704	SINGLE CHIP SEAL
SYCAMORE STREET	OLYMPIC DRIVE	AUSTIN ROAD	SYCAMO	010	R	ST	100	\$4,196	56,704	SINGLE CHIP SEAL
TURNER AVENUE	CLARKSON STREET	WASHINGTON STREET	TURNER	020	R	ST	100	\$1,149	56,704	SINGLE CHIP SEAL
Treatment Total								\$80,893		
ARROWHEAD RD	MODOC ST	4TH ST	ARROWH	022	C	AC/AC	85	\$27	2,271,923	SEAL CRACKS
ARROWHEAD RD	4TH ST	9TH ST	ARROWH	030	C	AC/AC	85	\$51	2,271,923	SEAL CRACKS
BURNS VALLEY ROAD	RUMSEY RD	OLYMPIC DR	BURNSV	030	C	AC	75	\$137	649,188	SEAL CRACKS
LAKESHORE DRIVE	STATE HIGHWAY 53	OLD STATE HIGHWAY	LAKEDR	010	A	AC	79	\$320	1,389,917	SEAL CRACKS
OLD STATE HIGHWAY 53	HIGHLAND HARBOR	CASS	OLDSTA	020	A	AC	76	\$716	1,143,257	SEAL CRACKS
OLD STATE HIGHWAY 53	CASS	LAKE SHORE	OLDSTA	030	A	AC	77	\$204	1,258,607	SEAL CRACKS

\*\* - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
								Treatment Total	\$1,455	
								Year 2016 Total	\$193,112	
								Grand Total	\$979,659	

## **Scenario 2. Improve PCI to 60 (\$1.05 Million per year)**

Scenarios - Sections Selected for Treatment

Interest: .00%

Inflation: .00%

Printed: 03/19/2012

Scenario: Improve PCI to 60

Year	Budget	PM Amt	Year	Budget	PM Amt	Year	Budget	PM Amt
2012	\$1,050,000	1%	2013	\$1,050,000	1%	2014	\$1,050,000	0%
2015	\$1,050,000	0%	2016	\$1,050,000	1%			

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
Year: 2012										
2ND STREET	EAST LAKE DR	BUSH DR	2NDST	010	R	AC	100	\$26,352	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
AIRPORT ROAD	OLD HIGHWAY 53	END	AIRPRD	010	R	AC	100	\$16,935	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
COLUSA ST	ARROWHEAD RD	LAKESHORE DR	COLUST	012	R	AC	100	\$10,733	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
Treatment Total								\$54,020		
36TH AVENUE	BOYLES AVENUE	KONOCITI AVENUE	36THAV	010	R	AC	100	\$25,188	48,110	THIN OVERLAY (2") / NO DIG OUTS
5TH STREET	EASTLAKE DRIVE	BUSH STREET	5THST	010	R	AC	100	\$29,202	47,854	THIN OVERLAY (2") / NO DIG OUTS
7TH STREET	EASTLAKE DRIVE	SONOMA AVENUE	7THST	010	R	AC	100	\$133,809	47,008	THIN OVERLAY (2") / NO DIG OUTS
8TH STREET	EASTLAKE DRIVE	SONOMA AVENUE	8THST	010	R	AC	100	\$133,809	47,599	THIN OVERLAY (2") / NO DIG OUTS
BAY STREET	LAKESIDE DRIVE	LAKEVIEW WAY	BAYST	010	R	AC	100	\$32,200	45,612	THIN OVERLAY (2") / NO DIG OUTS
CALAVERAS DRIVE	OAKMONT DRIVE	LAKESHORE DRIVE	CALAVE	010	R	AC	100	\$31,270	48,326	THIN OVERLAY (2") / NO DIG OUTS
LAKESIDE COURT	LAKESIDE DRIVE	END	LAKSDC	010	R	AC	100	\$5,904	47,854	THIN OVERLAY (2") / NO DIG OUTS
LAKEVIEW WAY	MEADOWBROOK DR	365 FT W/BAY ST	LAKVWW	020	R	AC	100	\$22,755	46,687	THIN OVERLAY (2") / NO DIG OUTS
TURNER AVENUE	HARRISON STREET	EMERSON AVENUE	TURNER	010	R	AC	100	\$19,285	46,341	THIN OVERLAY (2") / NO DIG OUTS
Treatment Total								\$433,422		
OLD STATE HIGHWAY 53	STATE HIGHWAY 53	300 W/O STATE HIGHWAY 53	OLDSTA	009	A	AC	100	\$12,167	57,641	DIG OUT (MINOR) /0.15' OVERLAY
Treatment Total								\$12,167		

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
OLYMPIC DRIVE	LAKESHORE DRIVE	MATTIODA CT	OLYMPI	010	A	AC	100	\$219,695	48,969	DIG OUT / 0.15' OVERLAY
Treatment Total								\$219,695		
BLUE GUM STREET	OLYMPIC DRIVE	WALNUT AVENUE	BLUEGU	010	R	ST	100	\$3,500	74,110	DOUBLE CHIP SEAL
BUCKEYE STREET	OLYMPIC DRIVE	WALNUT AVENUE	BUCKEY	010	R	ST	100	\$4,000	74,110	DOUBLE CHIP SEAL
CLARKSON STREET	TURNERS ST	END	CLARST	010	R	ST	100	\$4,100	74,110	DOUBLE CHIP SEAL
COLUSA DRIVE	LOWER LAKESHORE DR	END	COLUDR	020	R	ST	100	\$2,180	74,110	DOUBLE CHIP SEAL
COTTONWOOD STREET	OLYMPIC DRIVE	AUSTIN ROAD	COTTON	010	R	ST	100	\$9,450	74,110	DOUBLE CHIP SEAL
CYPRESS STREET	OLYMPIC DRIVE	AUSTIN ROAD	CYPRES	010	R	ST	100	\$8,720	74,110	DOUBLE CHIP SEAL
EMILE	DAVIS AVE	N/ END	EMILE	010	R	ST	100	\$7,407	74,110	DOUBLE CHIP SEAL
EAST LAKE DRIVE	EAST LAKE EXT	2ND ST	ESLKDR	010	R	ST	100	\$11,913	74,110	DOUBLE CHIP SEAL
EUREKA AVE	DAVIS AVE	ARGONNE	EUREAV	010	R	ST	100	\$11,322	74,110	DOUBLE CHIP SEAL
EUREKA AVE	34TH AVE	32 ND AVE	EUREAV	020	R	ST	100	\$4,338	74,110	DOUBLE CHIP SEAL
GARFIELD AVE	OLYMPIC DR	S/END	GARFAV	010	R	ST	100	\$1,860	74,110	DOUBLE CHIP SEAL
KOLOKO STREET	KABAL STREET	WOODLAND DRIVE	KOLOKO	010	R	ST	100	\$6,720	74,110	DOUBLE CHIP SEAL
KONOCI STREET	LAKESHORE DR	KOLOKO ST	KONOST	010	R	ST	100	\$10,615	74,110	DOUBLE CHIP SEAL
LAKEVIEW PLACE	SCENIC ROAD	HUNTINGTON AVE	LAKVWP	010	R	ST	100	\$4,250	74,110	DOUBLE CHIP SEAL
LEONORE AVE	DAVIS AVE	N/ END	LEONOR	010	R	ST	100	\$4,671	74,110	DOUBLE CHIP SEAL
MADRONE STREET	OLYMPIC DRIVE	AUSTIN WAY	MADRON	010	R	ST	100	\$10,300	74,110	DOUBLE CHIP SEAL
MANAKEE AVENUE	LAKESHORE DRIVE	POMO RD	MANAKE	010	R	ST	100	\$12,320	74,110	DOUBLE CHIP SEAL
MARIPOSA DR	LAKESHORE DR	KERN DR	MARIDR	010	R	ST	100	\$5,753	74,110	DOUBLE CHIP SEAL
OAK DRIVE	LAKESHORE DRIVE	OAKMOUNT DRIVE	OAKDR	010	R	ST	100	\$11,603	74,110	DOUBLE CHIP SEAL
PARK ST	OLD HIGHWAY 53	W/END	PARKST	020	R	ST	100	\$9,423	74,110	DOUBLE CHIP SEAL
REDWOOD DRIVE	OLYMPIC DRIVE	AUSTIN ROAD	REDWOO	010	R	ST	100	\$8,560	74,110	DOUBLE CHIP SEAL
ROBINSON AVENUE	ALVITA	MULLEN AVENUE	ROBINS	010	R	ST	100	\$15,130	74,110	DOUBLE CHIP SEAL
SCHULTZ AVE	VALLEY AVE	204 FT N/VALLEY AVE	SCHUAV	010	R	ST	100	\$1,836	74,110	DOUBLE CHIP SEAL
STONYBROOK DRIVE	WOODSIDE DRIVE	MEADOWBROOK DRIVE	STONYD	010	R	ST	100	\$15,125	74,110	DOUBLE CHIP SEAL
SYCAMORE STREET	OLYMPIC DRIVE	AUSTIN ROAD	SYCAMO	010	R	ST	100	\$9,440	74,110	DOUBLE CHIP SEAL
TAFT DRIVE	JEFFERSON DRIVE	MCKINLEY DRIVE	TAFTDR	010	R	ST	100	\$3,465	74,110	DOUBLE CHIP SEAL
TURNER AVENUE	CLARKSON STREET	WASHINGTON STREET	TURNER	020	R	ST	100	\$2,585	74,110	DOUBLE CHIP SEAL
UHL AVENUE	OLYMPIC AVENUE	ALVITA AVENUE	UHLAVE	010	R	ST	100	\$17,600	74,110	DOUBLE CHIP SEAL
VALLEY AVENUE	MULLEN AVENUE	LASKY AVENUE	VALLEY	010	R	ST	100	\$31,680	74,110	DOUBLE CHIP SEAL
VILLA AVE	DAVIS AVE	END	VILLAV	010	R	ST	100	\$6,372	74,110	DOUBLE CHIP SEAL

\*\* - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
VILLA WY	OLYMPIC DR	LAKESHORE DR	VILLWY	010	R	ST	100	\$12,056	74,110	DOUBLE CHIP SEAL
WALNUT AVENUE	PINE STREET	BUCKEYE STREET	WALNUT	010	R	ST	100	\$18,700	74,110	DOUBLE CHIP SEAL
WEST 40TH	HILLCREST AVENUE	OLD HIGHWAY 53	WEST40	020	R	ST	100	\$30,753	74,110	DOUBLE CHIP SEAL
Treatment Total								\$317,747		
16TH STREET	COUNTRY CLUB DR	SULPHUR BANK RD	16THST	010	R	AC	89	\$4,534	162,480	SLURRY SEAL
CACHE CREEK WY	OLD HIGHWAY 53	END	CACRWY	010	R	AC	89	\$4,862	162,480	SLURRY SEAL
SMITH RD	RUMSEY RD	407 FT N/RUMSEY RD	SMITRD	010	R	AC	88	\$1,692	154,952	SLURRY SEAL
Treatment Total								\$11,088		
BURNS VALLEY ROAD	RUMSEY RD	OLYMPIC DR	BURNSV	030	C	AC	85	\$78	853,843	SEAL CRACKS
LAKESHORE DRIVE	STATE HIGHWAY 53	OLD STATE HIGHWAY	LAKEDR	010	A	AC	85	\$202	1,489,134	SEAL CRACKS
OLD STATE HIGHWAY 53	HIGHLAND HARBOR	CASS	OLDSTA	020	A	AC	83	\$462	1,289,253	SEAL CRACKS
OLD STATE HIGHWAY 53	CASS	LAKE SHORE	OLDSTA	030	A	AC	84	\$130	1,401,344	SEAL CRACKS
Treatment Total								\$872		
Year 2012 Total								\$1,049,011		

## Year: 2013

35TH AVENUE	PHILLIPS AVENUE	BOYLES AVENUE	35THAV	020	R	AC	100	\$77,616	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
3RD STREET	EASTLAKE DR	BUSH ST	3RDST	010	R	AC	100	\$51,170	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
ALVITA AVE	UHL AVE	HOWARD AVE	ALVIAV	010	R	AC	100	\$59,219	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
ANCHOR DRIVE	HIGHLAND HARBOR	END	ANCHOR	010	R	AC	100	\$27,440	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
AUSTIN ROAD	OLD HIGHWAY 53	JEFFERSON AVE	AUSTIN	030	R	AC	100	\$87,765	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
BALL PARK AVENUE	BOAT RAMP	OLD HIGHWAY 53	BALLPA	010	R	AC	100	\$59,998	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
BLUE JAY AVENUE	BALLPARK AVENUE	LAGUNA AVENUE	BLUEJA	010	R	AC	100	\$32,824	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
BOYLES AVENUE	14TH AVENUE	18TH AVENUE	BOYLES	010	R	AC	100	\$38,068	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
BOYLES AVENUE	18TH AVENUE	32ND AVENUE	BOYLES	020	R	AC	100	\$170,303	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
CARROL AVE	HILLCREST AVE	WEST 40TH AVE	CARRAV	010	R	AC	100	\$18,991	41,000	THIN OVERLAY (2") / MINOR DIG OUTS

\*\* - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
CASS AVENUE	OLD HIGHWAY 53	BROWN AVENUE	CASSAV	010	R	AC	100	\$37,240	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
CLEMENT DRIVE	GOLF ST	OLD HIGHWAY 53	CLEMEN	010	R	AC	100	\$37,023	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
COLUSA ST	SANTA CLARA AVE	ARROWHEAD RD	COLUST	011	R	AC	100	\$20,986	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
COTTAGE AVENUE	CASS AVE	SQUIX AVE	COTTAG	010	R	AC	100	\$57,019	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
CYPRESS AVENUE	CRAWFORD AVENUE	OLD HIGHWAY 53	CYPREA	010	R	AC	100	\$32,358	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
EMERSON STREET	OLYMPIC DRIVE	TURNER AVENUE	EMERSO	010	R	AC	100	\$40,246	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
EMROY AVENUE	PALMER AVENUE	LAKESHORE DRIVE	EMROYA	010	R	AC	100	\$73,453	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
EVANS AVENUE	ALVITA AVENUE	AUSTIN ROAD	EVANSA	010	R	AC	100	\$13,938	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
FRESNO STREET	SANTA CLARA	ARROWHEAD RD	FRESST	010	R	AC	100	\$13,991	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
GOLF AVENUE	UHL AVE	PALMER AVE	GOLFAV	010	R	AC	100	\$10,397	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
GOLF AVENUE	PALMER AVE	LAKESHORE DR	GOLFAV	020	R	AC	100	\$14,613	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
GOLF AVENUE	LAKESHORE DR	BALL PARK AVE	GOLFAV	030	R	AC	100	\$27,741	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
					Treatment Total			\$1,002,399		
HUNTINGTON AVENUE	LAKESHORE DRIVE	ARROWHEAD DRIVE	HUNTIN	010	R	AC	100	\$30,054	46,392	THIN OVERLAY (2") / NO DIG OUTS
					Treatment Total			\$30,054		
MEMORY LANE	OLYMPIC DR	END	MEMOLN	010	R	AC	90	\$4,036	82,323	SLURRY SEAL
PEARL AVENUE	HOWARD AVENUE	UHL AVENUE	PEARLA	030	R	AC/AC	89	\$6,423	91,037	SLURRY SEAL
SYLVIA COURT	RUMSEY ROAD	END	SYLVIA	010	R	AC	90	\$1,512	82,275	SLURRY SEAL
					Treatment Total			\$11,971		
BURNS VALLEY ROAD	UKIAH ST	RUMSEY RD	BURNSV	020	C	AC/AC	82	\$330	1,032,689	SEAL CRACKS
LAKESHORE DRIVE	OLD STATE HWY	DIVISION AVE	LAKEDR	020	A	AC	84	\$445	1,636,918	SEAL CRACKS
LAKESHORE DRIVE	DIVISION AVE	OLYMPIC DR	LAKEDR	031	A	AC	85	\$244	1,797,525	SEAL CRACKS
OLYMPIC DRIVE	MATTIODA CT	SR53	OLYMPI	020	A	AC	85	\$387	1,797,525	SEAL CRACKS
					Treatment Total			\$1,406		
					Year 2013 Total			\$1,045,830		

\*\* - Treatment from Project Selection

Scenarios Criteria:



Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
<b>Year: 2014</b>										
ACACIA STREET	ARROWHEAD ROAD	END	ACACIA	010	R	AC	100	\$30,489	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
FRENCH STREET	SPRUCE AVE	CASS AVE	FRENST	010	R	AC	100	\$11,447	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
GOLF AVENUE	BALL PARK AVE	LALABELLE BLVD	GOLFAV	040	R	AC	100	\$38,042	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
GRANT STREET	JEFFERSON STREET	MCKINLEY STREET	GRANTS	010	R	AC	100	\$18,207	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
HALE STREET	KOLOKO ST	END	HALEST	010	R	AC	100	\$19,932	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
HALIKA STREET	ARROWHEAD ROAD	WOODLAND DRIVE	HALIKA	010	R	AC	100	\$70,190	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
HARBOR LANE	HIGHLANDS HARBOR	END	HARBOR	010	R	AC	100	\$79,054	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
HARRISON STREET	OLYMPIC DRIVE	TURNER AVENUE	HARRIS	010	R	AC	100	\$32,101	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
HILLCREST AVENUE	OLD HIGHWAY 53	40TH AVENUE	HILLCR	010	R	AC	100	\$91,467	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
HOWARD AVENUE	UHL AVENUE	JAGO	HOWARD	020	R	AC	100	\$30,184	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
HURON AVENUE	CASS AVENUE	CRAWFORD AVE	HURONA	010	R	AC	100	\$54,880	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
JACKSON STREET	OLYMPIC DRIVE	TURNER AVE	JACKSO	010	R	AC	100	\$30,664	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
JEFFERSON AVENUE	OLYMPIC AVE	AUSTIN ROAD	JEFFER	010	R	AC	100	\$55,447	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
KABAL STREET	LAKESHORE DRIVE	KOKOLO STREET	KABALS	010	R	AC	100	\$18,294	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
KINGS DRIVE	LAKESHORE DR	COUNTRY CLUB DR	KINGDR	010	R	AC	100	\$8,742	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
KONOCI VIEW	OLD HIGHWAY 53	SPRUCE AVE	KONOVW	010	R	AC	100	\$57,167	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
LAKELAND DRIVE	HIGHLANDS HARBOR DRIVE	END	LAKELA	010	R	AC	100	\$27,440	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
LAKESIDE DRIVE	BAY ST	LAKEVIEW WAY	LAKSDR	010	R	AC	100	\$87,220	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
LAKEVIEW AVENUE	OLD HIGHWAY 53	CASS AVENUE	LAKVWA	010	R	AC	100	\$45,472	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
WEST 40TH	OAKLAND AVE	BUCKEYE ST	WEST40	030	R	AC	100	\$7,808	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
Treatment Total								\$814,247		

\*\* - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
10TH STREET	COUNTRY CLUB DRIVE	SULPHUR BANK RD	10THST	010	R	AC	100	\$133,809	46,820	THIN OVERLAY (2") / NO DIG OUTS
35TH AVENUE	EUREKA AVENUE	PHILLIPS AVENUE	35THAV	010	R	AC	100	\$24,401	46,820	THIN OVERLAY (2") / NO DIG OUTS
BARTRAM CIRCLE	RUMSEY ROAD	GARNER LANE	BARTRA	010	R	AC	100	\$36,064	46,009	THIN OVERLAY (2") / NO DIG OUTS
BOYLES AVENUE	32ND AVENUE	36TH AVENUE	BOYLES	030	R	AC	100	\$41,145	46,023	THIN OVERLAY (2") / NO DIG OUTS
Treatment Total								\$235,419		
AUSTIN ROAD	PINE STREET	OLD HIGHWAY 53	AUSTIN	020	C	AC/AC	85	\$172	2,014,719	SEAL CRACKS
OLD STATE HIGHWAY 53	300 W/O STATE HIGHWAY 53	HIGHLAND HARBOR	OLDSTA	010	A	AC	85	\$30	1,969,304	SEAL CRACKS
OLD STATE HIGHWAY 53	LAKE SHORE	DAVIS	OLDSTA	040	A	AC	85	\$136	1,969,304	SEAL CRACKS
Treatment Total								\$338		
Year 2014 Total								\$1,050,004		
Year: 2015										
6TH STREET	EASTLAKE DRIVE	BUSH STREET	6THST	010	R	AC	100	\$55,455	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
LAKEVIEW WAY	MEADOWBROOK DRIVE	OLD HIGHWAY 53	LAKVWW	010	R	AC	100	\$92,774	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
LELABELLE BOULEVARD	GOLF STREET	OLD HIGHWAY 53	LELABE	010	R	AC	100	\$32,057	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
LOCUST STREET	OLYMPIC DRIVE	AUSTIN RD	LOCUST	010	R	AC	100	\$31,360	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
LOWER LAKESHORE DRIVE	LAKESHORE DRIVE	KERN STREET	LOWLSD	010	R	AC	100	\$47,912	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
LOWER LAKESHORE DRIVE	KERN ST	END	LOWLSD	020	R	AC	100	\$29,444	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
MADISON DRIVE	AUSTIN ROAD	POLK DRIVE	MADISO	010	R	AC	100	\$35,215	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
MARINA COURT	HIGHLAND HARBOR	END	MARINA	010	R	AC	100	\$25,807	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
McKINLEY DRIVE	POLK DRIVE	AUSTIN ROAD	McKINL	010	R	AC	100	\$30,489	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
MEADOWBROOK COURT	MEADOWBROOK DRIVE	END	MEADOC	010	R	AC	100	\$9,800	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
MEADOWBROOK DRIVE	PAVEMENT CHANGE	LAKEVIEW DR	MEADOD	030	R	AC	100	\$96,432	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
MENDOCINO STREET	SAN JUAQUIN DR	LAKESHORE DR	MENDST	010	R	AC	100	\$27,528	41,000	THIN OVERLAY (2") / MINOR DIG OUTS

\*\* - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
MONTEREY DR	LAKESHORE DR	LAKESHORE DR	MONTDR	010	R	AC	100	\$39,527	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
MORGAN AVENUE	MANAKEE DRIVE	POMO ROAD	MORGAN	010	R	AC	100	\$51,614	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
MOUNTAIN VIEW STREET	ARROWHEAD DRIVE	WOODLAND DRIVE	MOUNTA	010	R	AC	100	\$74,219	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
MULLEN AVENUE	LAKESHORE DRIVE	WEST 40TH STREET	MULLEN	010	R	AC	100	\$42,206	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
MULLEN AVENUE	WEST 40th STREET	AUSTIN ROAD	MULLEN	020	R	AC	100	\$54,793	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
NAPA ST	MENDOCINO ST	LAKESHORE DR	NAPAST	010	R	AC	100	\$28,050	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
Treatment Total								\$804,682		
9TH STREET	SULFUR BANK RD	GOLF CLUB	9THST	010	R	AC	100	\$133,809	46,425	THIN OVERLAY (2") / NO DIG OUTS
GARNER LANE	RUMSEY ROAD	BARTMAN CIRCLE	GARNER	010	R	AC	100	\$24,043	46,417	THIN OVERLAY (2") / NO DIG OUTS
INDUSTRIAL COURT	OGULIN CANYON RD	CUL-DE-SAC	INDUCT	010	R	AC	100	\$10,734	45,990	THIN OVERLAY (2") / NO DIG OUTS
MEADOWBROOK DRIVE	LAKEVIEW DR	PAVEMENT CHANGE	MEADOD	020	R	AC	100	\$58,604	46,425	THIN OVERLAY (2") / NO DIG OUTS
SHARPE LANE	BURNS VALLEY RD	END	SHARLN	010	R	AC	100	\$15,074	46,417	THIN OVERLAY (2") / NO DIG OUTS
Treatment Total								\$242,264		
PARK ST	ARROWHEAD ST	LAKESHORE DR	PARKST	010	R	AC/AC	91	\$1,476	100,032	SLURRY SEAL
Treatment Total								\$1,476		
40TH AVENUE	HIGHWAY 53	PHILLIPS AVENUE	40THAV	020	C	AC/AC	83	\$138	1,452,900	SEAL CRACKS
LAKESHORE DRIVE	OLYMPIC DR	SCENIC RD	LAKEDR	032	C	AC/AC	85	\$212	2,221,981	SEAL CRACKS
LAKESHORE DRIVE	SCENIC DR	PARK ST	LAKEDR	041	C	AC/AC	85	\$84	2,221,981	SEAL CRACKS
OLD STATE HIGHWAY 53	DAVIS	HIGHLANDS WAY	OLDSTA	050	A	AC	85	\$29	2,151,687	SEAL CRACKS
OLD STATE HIGHWAY 53	HIGHLANDS WAY	AUSTIN DR	OLDSTA	060	A	AC	85	\$81	2,151,687	SEAL CRACKS
OLD STATE HIGHWAY 53	AUSTIN DR	OLYMPIC	OLDSTA	070	A	AC	84	\$90	1,933,674	SEAL CRACKS
Treatment Total								\$634		
Year 2015 Total								\$1,049,056		
Year: 2016										
4TH STREET	EASTLAKE DRIVE	BUSH STREET	4THST	010	R	AC	100	\$34,976	41,000	THIN OVERLAY (2") / MINOR DIG OUTS

\*\* - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
OAKLAND AVENUE	UHL AVE	RIDGE RD	OAKLAN	021	R	AC	100	\$17,423	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
OAKMONT DRIVE	NORTH END	OAK DRIVE	OAKMON	010	R	AC	100	\$91,467	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
OAKMONT DRIVE	OAK DRIVE	CALAVERAS DRIVE	OAKMON	020	R	AC	100	\$118,907	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
OAK STREET	7TH STREET	EASTLAKE DRIVE	OAKST	020	R	AC	100	\$160,067	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
OGULIN CANYON RD	HIGHWAY 53	CITY LIMITS	OGCARD	010	R	AC	100	\$87,181	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
OLIVE STREET	OLYMPIC DRIVE	AUSTIN ROAD	OLIVES	010	R	AC	100	\$27,397	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
PEARL AVENUE	DIVISION AVENUE	BAYLIS AVENUE	PEARLA	010	R	AC	100	\$27,767	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
PEARL AVENUE	ALVITA AVENUE	HOWARD AVENUE	PEARLA	020	R	AC	100	\$35,172	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
PINE AVE	DAVIS AVE	570 FT N/O DAVIS AVE	PINEAV	011	R	AC	100	\$29,792	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
PINE STREET	OLYMPIC DRIVE	DIVISION AVENUE	PINEST	010	R	AC	100	\$35,934	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
PINEVIEW COURT	PINEVIEW DRIVE	END	PINVWC	010	R	AC	100	\$9,016	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
PINEVIEW DRIVE	RIDGEVIEW DRIVE	END	PINVWD	010	R	AC	100	\$23,520	41,000	THIN OVERLAY (2") / MINOR DIG OUTS
					Treatment Total			\$698,619		
12TH STREET	COUNTRY CLUB DR	SULPHUR BANK RD	12THST	010	R	AC	100	\$103,506	46,357	THIN OVERLAY (2") / NO DIG OUTS
13TH STREET	COUNTRY CLUB DR	SULPHUR BANK RD	13THST	010	R	AC	100	\$93,273	46,357	THIN OVERLAY (2") / NO DIG OUTS
					Treatment Total			\$196,779		
BLUE GUM STREET	OLYMPIC DRIVE	WALNUT AVENUE	BLUEGU	010	R	ST	100	\$1,556	56,704	SINGLE CHIP SEAL
BUCKEYE STREET	OLYMPIC DRIVE	WALNUT AVENUE	BUCKEY	010	R	ST	100	\$1,778	56,704	SINGLE CHIP SEAL
CLARKSON STREET	TURNERS ST	END	CLARST	010	R	ST	100	\$1,823	56,704	SINGLE CHIP SEAL
COLUSA DRIVE	LOWER LAKESHORE DR	END	COLUDR	020	R	ST	100	\$969	56,704	SINGLE CHIP SEAL
COTTONWOOD STREET	OLYMPIC DRIVE	AUSTIN ROAD	COTTON	010	R	ST	100	\$4,200	56,704	SINGLE CHIP SEAL
CYPRESS STREET	OLYMPIC DRIVE	AUSTIN ROAD	CYPRES	010	R	ST	100	\$3,876	56,704	SINGLE CHIP SEAL
EMILE	DAVIS AVE	N/ END	EMILE	010	R	ST	100	\$3,292	56,704	SINGLE CHIP SEAL
EAST LAKE DRIVE	EAST LAKE EXT	2ND ST	ESLKDR	010	R	ST	100	\$5,295	56,704	SINGLE CHIP SEAL
EUREKA AVE	DAVIS AVE	ARGONNE	EUREAV	010	R	ST	100	\$5,032	56,704	SINGLE CHIP SEAL

\*\* - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
EUREKA AVE	34TH AVE	32 ND AVE	EUREAV	020	R	ST	100	\$1,928	56,704	SINGLE CHIP SEAL
GARFIELD AVE	OLYMPIC DR	S/END	GARFAV	010	R	ST	100	\$827	56,704	SINGLE CHIP SEAL
KOLOKO STREET	KABAL STREET	WOODLAND DRIVE	KOLOKO	010	R	ST	100	\$2,987	56,704	SINGLE CHIP SEAL
KONOCI STREET	LAKESHORE DR	KOLOKO ST	KONOST	010	R	ST	100	\$4,718	56,704	SINGLE CHIP SEAL
LAKEVIEW PLACE	SCENIC ROAD	HUNTINGTON AVE	LAKVWP	010	R	ST	100	\$1,889	56,704	SINGLE CHIP SEAL
LEONORE AVE	DAVIS AVE	N/ END	LEONOR	010	R	ST	100	\$2,076	56,704	SINGLE CHIP SEAL
MADRONE STREET	OLYMPIC DRIVE	AUSTIN WAY	MADRON	010	R	ST	100	\$4,578	56,704	SINGLE CHIP SEAL
MANAKEE AVENUE	LAKESHORE DRIVE	POMO RD	MANAKE	010	R	ST	100	\$5,476	56,704	SINGLE CHIP SEAL
MARIPOSA DR	LAKESHORE DR	KERN DR	MARIDR	010	R	ST	100	\$2,557	56,704	SINGLE CHIP SEAL
OAK DRIVE	LAKESHORE DRIVE	OAKMOUNT DRIVE	OAKDR	010	R	ST	100	\$5,157	56,704	SINGLE CHIP SEAL
PARK ST	OLD HIGHWAY 53	W/END	PARKST	020	R	ST	100	\$4,188	56,704	SINGLE CHIP SEAL
REDWOOD DRIVE	OLYMPIC DRIVE	AUSTIN ROAD	REDWOO	010	R	ST	100	\$3,805	56,704	SINGLE CHIP SEAL
ROBINSON AVENUE	ALVITA	MULLEN AVENUE	ROBINS	010	R	ST	100	\$6,725	56,704	SINGLE CHIP SEAL
SCHULTZ AVE	VALLEY AVE	204 FT N/VALLEY AVE	SCHUAV	010	R	ST	100	\$816	56,704	SINGLE CHIP SEAL
STONYBROOK DRIVE	WOODSIDE DRIVE	MEADOWBROOK DRIVE	STONYD	010	R	ST	100	\$6,723	56,704	SINGLE CHIP SEAL
SYCAMORE STREET	OLYMPIC DRIVE	AUSTIN ROAD	SYCAMO	010	R	ST	100	\$4,196	56,704	SINGLE CHIP SEAL
TAFT DRIVE	JEFFERSON DRIVE	MCKINLEY DRIVE	TAFTDR	010	R	ST	100	\$1,540	56,704	SINGLE CHIP SEAL
TURNER AVENUE	CLARKSON STREET	WASHINGTON STREET	TURNER	020	R	ST	100	\$1,149	56,704	SINGLE CHIP SEAL
UHL AVENUE	OLYMPIC AVENUE	ALVITA AVENUE	UHLAVE	010	R	ST	100	\$7,823	56,704	SINGLE CHIP SEAL
VALLEY AVENUE	MULLEN AVENUE	LASKY AVENUE	VALLEY	010	R	ST	100	\$14,080	56,704	SINGLE CHIP SEAL
VILLA AVE	DAVIS AVE	END	VILLAV	010	R	ST	100	\$2,832	56,704	SINGLE CHIP SEAL
VILLA WY	OLYMPIC DR	LAKESHORE DR	VILLWY	010	R	ST	100	\$5,359	56,704	SINGLE CHIP SEAL
WALNUT AVENUE	PINE STREET	BUCKEYE STREET	WALNUT	010	R	ST	100	\$8,312	56,704	SINGLE CHIP SEAL
WEST 40TH	HILLCREST AVENUE	OLD HIGHWAY 53	WEST40	020	R	ST	100	\$13,668	56,704	SINGLE CHIP SEAL
Treatment Total								\$141,230		
POND ST	574 FT W/BRUNETTO LN	708 FT E/BRUNETTO LN	PONDST	010	R	AC	89	\$5,324	86,201	SLURRY SEAL
Treatment Total								\$5,324		
ARROWHEAD RD	MODOC ST	4TH ST	ARROWH	022	C	AC/AC	85	\$27	2,271,923	SEAL CRACKS
ARROWHEAD RD	4TH ST	9TH ST	ARROWH	030	C	AC/AC	85	\$51	2,271,923	SEAL CRACKS
BURNS VALLEY ROAD	RUMSEY RD	OLYMPIC DR	BURNSV	030	C	AC	75	\$137	649,188	SEAL CRACKS
LAKESHORE DRIVE	STATE HIGHWAY 53	OLD STATE HIGHWAY	LAKEDR	010	A	AC	79	\$320	1,389,917	SEAL CRACKS

\*\* - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
OLD STATE HIGHWAY 53	STATE HIGHWAY 53	300 W/O STATE HIGHWAY 53	OLDSTA	009	A	AC	86	\$14	2,699,236	SEAL CRACKS
OLD STATE HIGHWAY 53	HIGHLAND HARBOR	CASS	OLDSTA	020	A	AC	76	\$716	1,143,257	SEAL CRACKS
OLD STATE HIGHWAY 53	CASS	LAKE SHORE	OLDSTA	030	A	AC	77	\$204	1,258,607	SEAL CRACKS
OLYMPIC DRIVE	LAKESHORE DRIVE	MATTIODA CT	OLYMPI	010	A	AC	86	\$198	2,699,236	SEAL CRACKS
Treatment Total								\$1,667		
Year 2016 Total								\$1,043,619		
Grand Total								\$5,237,520		

### **Scenario 3. \$800,000 per year**

Scenarios - Sections Selected for Treatment

Interest: .00%

Inflation: .00%

Printed: 03/19/2012

Scenario: 600 K Arterial and Collectors

Year	Budget	PM Amt	Year	Budget	PM Amt	Year	Budget	PM Amt
2012	\$600,000	0%	2013	\$600,000	0%	2014	\$600,000	0%
2015	\$600,000	0%	2016	\$600,000	1%			

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
Year: 2012										
LAKESHORE DRIVE	CALAVERAS DR	OAK	LAKEDR	080	C	AC	100	\$57,400	32,522	MILL AND FILL (2")
OLD STATE HIGHWAY 53	OLYMPIC	RUMSEY ROAD	OLDSTA	080	C	AC	100	\$119,447	33,236	MILL AND FILL (2")
RUMSEY ROAD	GARNER LANE	OLD HIGHWAY 53	RUMSEY	020	C	AC	100	\$142,134	32,970	MILL AND FILL (2")
Treatment Total								\$318,981		
RUMSEY ROAD	BURNS VALLEY ROAD	GARNER LANE	RUMSEY	010	C	AC	70	\$19,834	25,382	DIG OUT (MINOR) /CAPE SEAL
Treatment Total								\$19,834		
OLD STATE HIGHWAY 53	STATE HIGHWAY 53	300 W/O STATE HIGHWAY 53	OLDSTA	009	A	AC	100	\$12,167	57,641	DIG OUT (MINOR) /0.15' OVERLAY
Treatment Total								\$12,167		
OLYMPIC DRIVE	LAKESHORE DRIVE	MATTIODA CT	OLYMPI	010	A	AC	100	\$219,695	48,969	DIG OUT / 0.15' OVERLAY
Treatment Total								\$219,695		
BURNS VALLEY ROAD	RUMSEY RD	OLYMPIC DR	BURNSV	030	C	AC	85	\$78	853,843	SEAL CRACKS
LAKESHORE DRIVE	STATE HIGHWAY 53	OLD STATE HIGHWAY	LAKEDR	010	A	AC	85	\$202	1,489,134	SEAL CRACKS
OLD STATE HIGHWAY 53	HIGHLAND HARBOR	CASS	OLDSTA	020	A	AC	83	\$462	1,289,253	SEAL CRACKS
OLD STATE HIGHWAY 53	CASS	LAKE SHORE	OLDSTA	030	A	AC	84	\$130	1,401,344	SEAL CRACKS
Treatment Total								\$872		
Year 2012 Total								\$571,549		

Year: 2013

DAM ROAD	LAKE ST	440 FT W/O LAKE ST	DAM	010	C	AC	100	\$51,128	15,069	FDR AND OVERLAY (4")
Treatment Total								\$51,128		
BUSH STREET	COUNTRY CLUB DRIVE	7TH STREET	BUSHST	010	C	AC	100	\$142,134	32,687	MILL AND FILL (2")



Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
OLD STATE HIGHWAY 53	DENMAN ROAD	HIGHWAY 53	OLDSTA	100	C	AC	100	\$118,080	31,912	MILL AND FILL (2")
					Treatment Total			\$260,214		
DAM ROAD	HIGHWAY 53	440 FT W/O LAKE ST	DAM	030	C	AC	78	\$17,523	36,806	DIG OUT (MINOR) /CAPE SEAL
					Treatment Total			\$17,523		
LADDELL AVENUE	AUSTIN ROAD	40TH AVE	LADDEL	010	C	ST	100	\$138,025	16,070	RECONSTRUCT SURFACE (AC)
MAPLE STREET	OLYMPIC DRIVE	AUSTIN ROAD	MAPLES	010	C	ST	100	\$90,495	16,070	RECONSTRUCT SURFACE (AC)
					Treatment Total			\$228,520		
BURNS VALLEY ROAD	UKIAH ST	RUMSEY RD	BURNSV	020	C	AC/AC	82	\$330	1,032,689	SEAL CRACKS
LAKESHORE DRIVE	OLD STATE HWY	DIVISION AVE	LAKEDR	020	A	AC	84	\$445	1,636,918	SEAL CRACKS
LAKESHORE DRIVE	DIVISION AVE	OLYMPIC DR	LAKEDR	031	A	AC	85	\$244	1,797,525	SEAL CRACKS
OLYMPIC DRIVE	MATTIODA CT	SR53	OLYMPI	020	A	AC	85	\$387	1,797,525	SEAL CRACKS
					Treatment Total			\$1,406		
					Year 2013 Total			\$558,791		
Year: 2014										
18TH AVENUE	PHILLIPS AVE	BOYLES AVE	18THAV	020	C	AC	100	\$133,630	15,069	FDR AND OVERLAY (4")
DAM ROAD	440 FT W/O LAKE ST	LAKE ST	DAM	020	C	AC	100	\$48,694	15,069	FDR AND OVERLAY (4")
					Treatment Total			\$182,324		
UHL AVENUE	HOWARD AVE	MULLEN AVE	UHLAVE	030	C	ST	100	\$179,795	16,070	RECONSTRUCT SURFACE (AC)
UHL AVENUE	MULLEN AVENUE	PALMER AVENUE	UHLAVE	040	C	ST	100	\$186,800	16,070	RECONSTRUCT SURFACE (AC)
					Treatment Total			\$366,595		
40TH AVENUE	HIGHWAY 53	PHILLIPS AVENUE	40THAV	020	C	AC/AC	85	\$106	1,627,053	SEAL CRACKS
AUSTIN ROAD	PINE STREET	OLD HIGHWAY 53	AUSTIN	020	C	AC/AC	85	\$172	2,014,719	SEAL CRACKS
OLD STATE HIGHWAY 53	300 W/O STATE HIGHWAY 53	HIGHLAND HARBOR	OLDSTA	010	A	AC	85	\$30	1,969,304	SEAL CRACKS
OLD STATE HIGHWAY 53	LAKE SHORE	DAVIS	OLDSTA	040	A	AC	85	\$136	1,969,304	SEAL CRACKS
OLD STATE HIGHWAY 53	AUSTIN DR	OLYMPIC	OLDSTA	070	A	AC	85	\$79	1,969,304	SEAL CRACKS
UHL AVENUE	ALVITA AVE	HOWARD AVE	UHLAVE	020	C	AC/AC	86	\$34	1,889,555	SEAL CRACKS
					Treatment Total			\$557		

\*\* - Treatment from Project Selection

Scenarios Criteria: Functional Class = A - Arterial OR Functional Class = C - Collector

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
					Year 2014 Total			\$549,476		
Year: 2015										
18TH AVENUE	HIGHWAY 53	PHILLIPS AVE	18THAV	010	C	AC	100	\$267,260	15,069	FDR AND OVERLAY (4")
18TH AVENUE	BOYLES AVE	WILKERSON AVE	18THAV	030	C	AC	100	\$190,900	15,069	FDR AND OVERLAY (4")
40TH AVENUE	PHILLIPS AVENUE	BOYLES AVENUE	40THAV	030	C	AC	100	\$106,517	15,069	FDR AND OVERLAY (4")
					Treatment Total			\$564,677		
LAKESHORE DRIVE	OLYMPIC DR	SCENIC RD	LAKEDR	032	C	AC/AC	85	\$212	2,221,981	SEAL CRACKS
LAKESHORE DRIVE	SCENIC DR	PARK ST	LAKEDR	041	C	AC/AC	85	\$84	2,221,981	SEAL CRACKS
OLD STATE HIGHWAY 53	DAVIS	HIGHLANDS WAY	OLDSTA	050	A	AC	85	\$29	2,151,687	SEAL CRACKS
OLD STATE HIGHWAY 53	HIGHLANDS WAY	AUSTIN DR	OLDSTA	060	A	AC	85	\$81	2,151,687	SEAL CRACKS
					Treatment Total			\$406		
					Year 2015 Total			\$565,083		
Year: 2016										
2ND STREET	BUSH DR	SONOMA AVE	2NDST	020	C	AC	100	\$188,687	15,069	FDR AND OVERLAY (4")
AUSTIN ROAD	LAKESHORE DRIVE	PINE STREET	AUSTIN	010	C	AC/AC	100	\$116,200	15,069	FDR AND OVERLAY (4")
MODOC STREET	SONOMA AVE	ARROWHEAD RD	MODOST	010	C	AC	100	\$80,831	15,069	FDR AND OVERLAY (4")
					Treatment Total			\$385,718		
OLD STATE HIGHWAY 53	RUMSEY ROAD	DENMAN ROAD	OLDSTA	090	C	AC	100	\$192,427	32,340	MILL AND FILL (2")
					Treatment Total			\$192,427		
ARROWHEAD RD	MODOC ST	4TH ST	ARROWH	022	C	AC/AC	85	\$27	2,271,923	SEAL CRACKS
ARROWHEAD RD	4TH ST	9TH ST	ARROWH	030	C	AC/AC	85	\$51	2,271,923	SEAL CRACKS
BURNS VALLEY ROAD	RUMSEY RD	OLYMPIC DR	BURNSV	030	C	AC	75	\$137	649,188	SEAL CRACKS
LAKESHORE DRIVE	STATE HIGHWAY 53	OLD STATE HIGHWAY	LAKEDR	010	A	AC	79	\$320	1,389,917	SEAL CRACKS
LAKESHORE DRIVE	CALAVERAS DR	OAK	LAKEDR	080	C	AC	86	\$38	1,882,422	SEAL CRACKS
OLD STATE HIGHWAY 53	STATE HIGHWAY 53	300 W/O STATE HIGHWAY 53	OLDSTA	009	A	AC	86	\$14	2,699,236	SEAL CRACKS
OLD STATE HIGHWAY 53	HIGHLAND HARBOR	CASS	OLDSTA	020	A	AC	76	\$716	1,143,257	SEAL CRACKS
OLD STATE HIGHWAY 53	CASS	LAKE SHORE	OLDSTA	030	A	AC	77	\$204	1,258,607	SEAL CRACKS
OLD STATE HIGHWAY 53	OLYMPIC	RUMSEY ROAD	OLDSTA	080	C	AC	86	\$79	1,882,422	SEAL CRACKS
OLYMPIC DRIVE	LAKESHORE DRIVE	MATTIODA CT	OLYMPI	010	A	AC	86	\$198	2,699,236	SEAL CRACKS

\*\* - Treatment from Project Selection

Scenarios Criteria: Functional Class = A - Arterial OR Functional Class = C - Collector

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
RUMSEY ROAD	GARNER LANE	OLD HIGHWAY 53	RUMSEY	020	C	AC	86	\$94	1,882,422	SEAL CRACKS
Treatment Total								\$1,878		
Year 2016 Total								\$580,023		
Grand Total								\$2,824,922		

## Scenarios - Sections Selected for Treatment

Interest: .00%

Inflation: .00%

Printed: 03/19/2012

Scenario: 200 K Residentials

Year	Budget	PM Amt	Year	Budget	PM Amt	Year	Budget	PM Amt
2012	\$200,000	9%	2013	\$200,000	4%	2014	\$200,000	3%
2015	\$200,000	1%	2016	\$200,000	0%			

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
<b>Year: 2012</b>										
BLUE GUM STREET	OLYMPIC DRIVE	WALNUT AVENUE	BLUEGU	010	R	ST	100	\$3,500	74,110	DOUBLE CHIP SEAL
BUCKEYE STREET	OLYMPIC DRIVE	WALNUT AVENUE	BUCKEY	010	R	ST	100	\$4,000	74,110	DOUBLE CHIP SEAL
CLARKSON STREET	TURNERS ST	END	CLARST	010	R	ST	100	\$4,100	74,110	DOUBLE CHIP SEAL
COLUSA DRIVE	LOWER LAKESHORE DR	END	COLUDR	020	R	ST	100	\$2,180	74,110	DOUBLE CHIP SEAL
COTTONWOOD STREET	OLYMPIC DRIVE	AUSTIN ROAD	COTTON	010	R	ST	100	\$9,450	74,110	DOUBLE CHIP SEAL
CYPRESS STREET	OLYMPIC DRIVE	AUSTIN ROAD	CYPRES	010	R	ST	100	\$8,720	74,110	DOUBLE CHIP SEAL
EMILE	DAVIS AVE	N/ END	EMILE	010	R	ST	100	\$7,407	74,110	DOUBLE CHIP SEAL
EAST LAKE DRIVE	EAST LAKE EXT	2ND ST	ESLKDR	010	R	ST	100	\$11,913	74,110	DOUBLE CHIP SEAL
EUREKA AVE	DAVIS AVE	ARGONNE	EUREAV	010	R	ST	100	\$11,322	74,110	DOUBLE CHIP SEAL
EUREKA AVE	34TH AVE	32 ND AVE	EUREAV	020	R	ST	100	\$4,338	74,110	DOUBLE CHIP SEAL
GARFIELD AVE	OLYMPIC DR	S/END	GARFAV	010	R	ST	100	\$1,860	74,110	DOUBLE CHIP SEAL
KOLOKO STREET	KABAL STREET	WOODLAND DRIVE	KOLOKO	010	R	ST	100	\$6,720	74,110	DOUBLE CHIP SEAL
KONOCI STREET	LAKESHORE DR	KOLOKO ST	KONOST	010	R	ST	100	\$10,615	74,110	DOUBLE CHIP SEAL
LAKEVIEW PLACE	SCENIC ROAD	HUNTINGTON AVE	LAKVWP	010	R	ST	100	\$4,250	74,110	DOUBLE CHIP SEAL
LEONORE AVE	DAVIS AVE	N/ END	LEONOR	010	R	ST	100	\$4,671	74,110	DOUBLE CHIP SEAL
MADRONE STREET	OLYMPIC DRIVE	AUSTIN WAY	MADRON	010	R	ST	100	\$10,300	74,110	DOUBLE CHIP SEAL
MANAKEE AVENUE	LAKESHORE DRIVE	POMO RD	MANAKE	010	R	ST	100	\$12,320	74,110	DOUBLE CHIP SEAL
MARIPOSA DR	LAKESHORE DR	KERN DR	MARIDR	010	R	ST	100	\$5,753	74,110	DOUBLE CHIP SEAL
OAK DRIVE	LAKESHORE DRIVE	OAKMOUNT DRIVE	OAKDR	010	R	ST	100	\$11,603	74,110	DOUBLE CHIP SEAL
PARK ST	OLD HIGHWAY 53	W/END	PARKST	020	R	ST	100	\$9,423	74,110	DOUBLE CHIP SEAL
REDWOOD DRIVE	OLYMPIC DRIVE	AUSTIN ROAD	REDWOO	010	R	ST	100	\$8,560	74,110	DOUBLE CHIP SEAL
ROBINSON AVENUE	ALVITA	MULLEN AVENUE	ROBINS	010	R	ST	100	\$15,130	74,110	DOUBLE CHIP SEAL
SCHULTZ AVE	VALLEY AVE	204 FT N/VALLEY AVE	SCHUAV	010	R	ST	100	\$1,836	74,110	DOUBLE CHIP SEAL

\*\* - Treatment from Project Selection

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
SYCAMORE STREET	OLYMPIC DRIVE	AUSTIN ROAD	SYCAMO	010	R	ST	100	\$9,440	74,110	DOUBLE CHIP SEAL
TURNER AVENUE	CLARKSON STREET	WASHINGTON STREET	TURNER	020	R	ST	100	\$2,585	74,110	DOUBLE CHIP SEAL
Treatment Total								\$181,996		
16TH STREET	COUNTRY CLUB DR	SULPHUR BANK RD	16THST	010	R	AC	89	\$4,534	162,480	SLURRY SEAL
CACHE CREEK WY	OLD HIGHWAY 53	END	CACRWY	010	R	AC	89	\$4,862	162,480	SLURRY SEAL
MEMORY LANE	OLYMPIC DR	END	MEMOLN	010	R	AC	91	\$4,036	75,611	SLURRY SEAL
SMITH RD	RUMSEY RD	407 FT N/RUMSEY RD	SMITRD	010	R	AC	88	\$1,692	154,952	SLURRY SEAL
SYLVIA COURT	RUMSEY ROAD	END	SYLVIA	010	R	AC	91	\$1,512	75,544	SLURRY SEAL
Treatment Total								\$16,636		
Year 2012 Total								\$198,632		
Year: 2013										
5TH STREET	EASTLAKE DRIVE	BUSH STREET	5THST	010	R	AC	100	\$29,202	48,420	THIN OVERLAY (2") / NO DIG OUTS
LAKESIDE COURT	LAKESIDE DRIVE	END	LAKSDC	010	R	AC	100	\$5,904	48,420	THIN OVERLAY (2") / NO DIG OUTS
TURNER AVENUE	HARRISON STREET	EMERSON AVENUE	TURNER	010	R	AC	100	\$19,285	47,086	THIN OVERLAY (2") / NO DIG OUTS
Treatment Total								\$54,391		
STONYBROOK DRIVE	WOODSIDE DRIVE	MEADOWBROOK DRIVE	STONYD	010	R	ST	100	\$15,125	74,110	DOUBLE CHIP SEAL
TAFT DRIVE	JEFFERSON DRIVE	MCKINLEY DRIVE	TAFTDR	010	R	ST	100	\$3,465	74,110	DOUBLE CHIP SEAL
UHL AVENUE	OLYMPIC AVENUE	ALVITA AVENUE	UHLAVE	010	R	ST	100	\$17,600	74,110	DOUBLE CHIP SEAL
VALLEY AVENUE	MULLEN AVENUE	LASKY AVENUE	VALLEY	010	R	ST	100	\$31,680	74,110	DOUBLE CHIP SEAL
VILLA AVE	DAVIS AVE	END	VILLAV	010	R	ST	100	\$6,372	74,110	DOUBLE CHIP SEAL
VILLA WY	OLYMPIC DR	LAKESHORE DR	VILLWY	010	R	ST	100	\$12,056	74,110	DOUBLE CHIP SEAL
WALNUT AVENUE	PINE STREET	BUCKEYE STREET	WALNUT	010	R	ST	100	\$18,700	74,110	DOUBLE CHIP SEAL
WEST 40TH	HILLCREST AVENUE	OLD HIGHWAY 53	WEST40	020	R	ST	100	\$30,753	74,110	DOUBLE CHIP SEAL
Treatment Total								\$135,751		
PEARL AVENUE	HOWARD AVENUE	UHL AVENUE	PEARLA	030	R	AC/AC	89	\$6,423	91,037	SLURRY SEAL
Treatment Total								\$6,423		
Year 2013 Total								\$196,565		

\*\* - Treatment from Project Selection

Scenarios Criteria: Functional Class = R - Residential/Local

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
7TH STREET	EASTLAKE DRIVE	SONOMA AVENUE	7THST	010	R	AC	100	\$133,809	48,272	THIN OVERLAY (2") / NO DIG OUTS
HUNTINGTON AVENUE	LAKESHORE DRIVE	ARROWHEAD DRIVE	HUNTIN	010	R	AC	100	\$30,054	47,171	THIN OVERLAY (2") / NO DIG OUTS
LAKEVIEW WAY	MEADOWBROOK DR	365 FT W/BAY ST	LAKVWW	020	R	AC	100	\$22,755	48,023	THIN OVERLAY (2") / NO DIG OUTS
					Treatment Total			\$186,618		
SOUTH CENTER DR	DAM RD	WEST END	SOCNDR	010	R	AC	75	\$7,355	31,397	DIG OUT (MINOR) /CAPE SEAL
					Treatment Total			\$7,355		
POND ST	574 FT W/BRUNETTO LN	708 FT E/BRUNETTO LN	PONDST	010	R	AC	91	\$5,324	73,622	SLURRY SEAL
					Treatment Total			\$5,324		
					Year 2014 Total			\$199,297		
Year: 2015										
10TH STREET	COUNTRY CLUB DRIVE	SULPHUR BANK RD	10THST	010	R	AC	100	\$133,809	47,547	THIN OVERLAY (2") / NO DIG OUTS
35TH AVENUE	EUREKA AVENUE	PHILLIPS AVENUE	35THAV	010	R	AC	100	\$24,401	47,547	THIN OVERLAY (2") / NO DIG OUTS
BAY STREET	LAKESIDE DRIVE	LAKEVIEW WAY	BAYST	010	R	AC	100	\$32,200	47,818	THIN OVERLAY (2") / NO DIG OUTS
					Treatment Total			\$190,410		
PARK ST	ARROWHEAD ST	LAKESHORE DR	PARKST	010	R	AC/AC	91	\$1,476	100,032	SLURRY SEAL
					Treatment Total			\$1,476		
					Year 2015 Total			\$191,886		
Year: 2016										
BARTRAM CIRCLE	RUMSEY ROAD	GARNER LANE	BARTRA	010	R	AC	100	\$36,064	47,541	THIN OVERLAY (2") / NO DIG OUTS
BOYLES AVENUE	32ND AVENUE	36TH AVENUE	BOYLES	030	R	AC	100	\$41,145	47,552	THIN OVERLAY (2") / NO DIG OUTS
GARNER LANE	RUMSEY ROAD	BARTMAN CIRCLE	GARNER	010	R	AC	100	\$24,043	47,181	THIN OVERLAY (2") / NO DIG OUTS
SHARPE LANE	BURNS VALLEY RD	END	SHARLN	010	R	AC	100	\$15,074	47,181	THIN OVERLAY (2") / NO DIG OUTS
					Treatment Total			\$116,326		

\*\* - Treatment from Project Selection

Scenarios Criteria: Functional Class = R - Residential/Local

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
BLUE GUM STREET	OLYMPIC DRIVE	WALNUT AVENUE	BLUEGU	010	R	ST	100	\$1,556	56,704	SINGLE CHIP SEAL
BUCKEYE STREET	OLYMPIC DRIVE	WALNUT AVENUE	BUCKEY	010	R	ST	100	\$1,778	56,704	SINGLE CHIP SEAL
CLARKSON STREET	TURNERS ST	END	CLARST	010	R	ST	100	\$1,823	56,704	SINGLE CHIP SEAL
COLUSA DRIVE	LOWER LAKESHORE DR	END	COLUDR	020	R	ST	100	\$969	56,704	SINGLE CHIP SEAL
COTTONWOOD STREET	OLYMPIC DRIVE	AUSTIN ROAD	COTTON	010	R	ST	100	\$4,200	56,704	SINGLE CHIP SEAL
CYPRESS STREET	OLYMPIC DRIVE	AUSTIN ROAD	CYPRES	010	R	ST	100	\$3,876	56,704	SINGLE CHIP SEAL
EMILE	DAVIS AVE	N/ END	EMILE	010	R	ST	100	\$3,292	56,704	SINGLE CHIP SEAL
EAST LAKE DRIVE	EAST LAKE EXT	2ND ST	ESLKDR	010	R	ST	100	\$5,295	56,704	SINGLE CHIP SEAL
EUREKA AVE	DAVIS AVE	ARGONNE	EUREAV	010	R	ST	100	\$5,032	56,704	SINGLE CHIP SEAL
EUREKA AVE	34TH AVE	32 ND AVE	EUREAV	020	R	ST	100	\$1,928	56,704	SINGLE CHIP SEAL
GARFIELD AVE	OLYMPIC DR	S/END	GARFAV	010	R	ST	100	\$827	56,704	SINGLE CHIP SEAL
KOLOKO STREET	KABAL STREET	WOODLAND DRIVE	KOLOKO	010	R	ST	100	\$2,987	56,704	SINGLE CHIP SEAL
KONOCI STREET	LAKESHORE DR	KOLOKO ST	KONOST	010	R	ST	100	\$4,718	56,704	SINGLE CHIP SEAL
LAKEVIEW PLACE	SCENIC ROAD	HUNTINGTON AVE	LAKVWP	010	R	ST	100	\$1,889	56,704	SINGLE CHIP SEAL
LEONORE AVE	DAVIS AVE	N/ END	LEONOR	010	R	ST	100	\$2,076	56,704	SINGLE CHIP SEAL
MADRONE STREET	OLYMPIC DRIVE	AUSTIN WAY	MADRON	010	R	ST	100	\$4,578	56,704	SINGLE CHIP SEAL
MANAKEE AVENUE	LAKESHORE DRIVE	POMO RD	MANAKE	010	R	ST	100	\$5,476	56,704	SINGLE CHIP SEAL
MARIPOSA DR	LAKESHORE DR	KERN DR	MARIDR	010	R	ST	100	\$2,557	56,704	SINGLE CHIP SEAL
OAK DRIVE	LAKESHORE DRIVE	OAKMOUNT DRIVE	OAKDR	010	R	ST	100	\$5,157	56,704	SINGLE CHIP SEAL
PARK ST	OLD HIGHWAY 53	W/END	PARKST	020	R	ST	100	\$4,188	56,704	SINGLE CHIP SEAL
REDWOOD DRIVE	OLYMPIC DRIVE	AUSTIN ROAD	REDWOO	010	R	ST	100	\$3,805	56,704	SINGLE CHIP SEAL
ROBINSON AVENUE	ALVITA	MULLEN AVENUE	ROBINS	010	R	ST	100	\$6,725	56,704	SINGLE CHIP SEAL
SCHULTZ AVE	VALLEY AVE	204 FT N/VALLEY AVE	SCHUAV	010	R	ST	100	\$816	56,704	SINGLE CHIP SEAL
SYCAMORE STREET	OLYMPIC DRIVE	AUSTIN ROAD	SYCAMO	010	R	ST	100	\$4,196	56,704	SINGLE CHIP SEAL
TURNER AVENUE	CLARKSON STREET	WASHINGTON STREET	TURNER	020	R	ST	100	\$1,149	56,704	SINGLE CHIP SEAL
Treatment Total								\$80,893		
Year 2016 Total								\$197,219		
Grand Total								\$983,599		

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