
City of Orinda

**2012-2013
Pavement Management
Program Update
(PTAP-13)**

Final Report

October 2012

Prepared by:



Harris & AssociatesSM

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EXECUTIVE SUMMARY

In May of 2012, Harris & Associates updated the Pavement Management Program (PMP) for Orinda. Pavement condition evaluations were performed on all the streets by a Harris inspector except those that received major treatment since September 2010. The PMP provides a management tool to inventory street pavement, assess pavement condition, record historical maintenance, forecast budget needs, and view impacts of funding on City-wide pavement condition over time.

The PMP is also a software-based tool for analyzing pavement conditions and recommending rehabilitation strategies based on funding levels. The software focuses on providing cost effective recommendations that enhance the overall system Pavement Condition Index (PCI). In general, asphalt concrete pavement deteriorates over time by both traffic loading and weathering. The Metropolitan Transportation Commission (MTC) software recommends that 6% of the budget be put to preventive maintenance treatments such as slurry seals or crack seals. The remaining budget is programmed for more expensive asphalt concrete overlays and reconstruction. Preventive maintenance treatments are important because they can sustain a street’s PCI at a high level and at relatively low cost. Preventive maintenance treatments can be applied to many streets (large pavement area) with a positive effect of raising the system PCI for a fraction of the cost to overlay one street with asphalt concrete (small pavement area).

The City currently uses MTC’s Pavement Management System StreetSaver® online version. The City uses the software to help make cost-effective decisions related to the road network, maximizing the City’s return on investment from available maintenance and rehabilitation funds; generating a prioritized plan; and identifying specific areas in need of maintenance and rehabilitation.

◆ **Pavement mileage & replacement value**

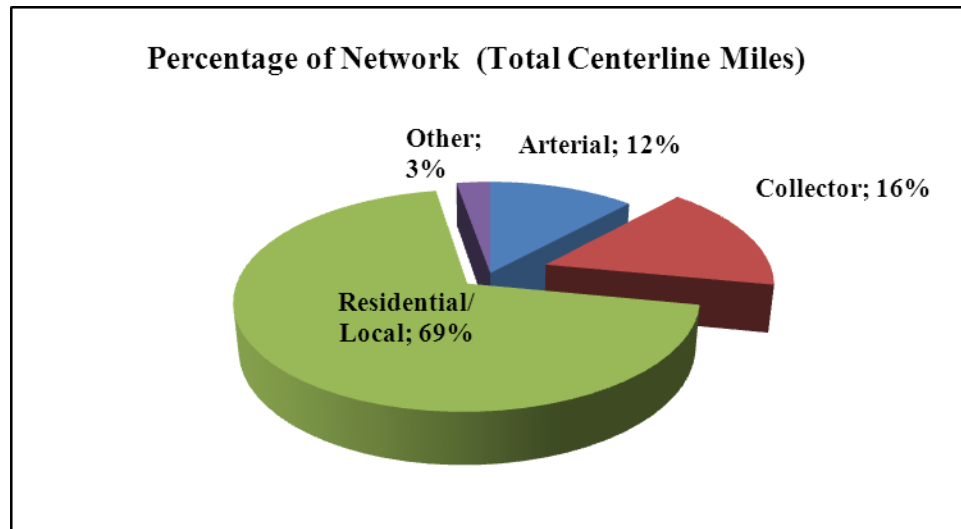
The City has approximately 93 centerline miles of paved streets, divided into 476 pavement management segments. The following is the breakdown of Orinda’s street pavement mileage grouped by functional class:

Table ES-1

Classification	Total Sections	Total Center Line Miles	Total Lane Miles
Arterial	46	11.02	29.69
Collector	63	15.05	30.11
Residential/Local	354	64.10	128.27
Other	13	2.53	5.06
Totals	476	92.7	193.13

It is important to consider the overall investment the City has in its pavements. The unit cost to repair a street section in very poor condition (reconstruction) is \$75.60 - \$85.60 per square yard. The cost to reconstruct all streets (full replacement of the pavement, base, and structure of the streets) is over \$108 million.

Figure ES-1



◆ **Condition of Orinda’s Street Asphalt Concrete Pavement**

The City’s citywide average PCI is **51** on a zero to 100-point scale, with 100 being a new street ‡. PCIs for the City’s pavement network are based on a visual distress rating system. The overall condition of Orinda’s street pavement is in the lower range of MTC’s designation “Good”. The 2003 MTC State of Repair report states, “Approximately 75 percent of a pavement’s serviceable life has been expended by the time its PCI rating falls to 60.” Orinda’s average PCI condition value by street classification is as follows:

Table ES-2

CLASSIFICATION	2012 PCI*
Arterial	79
Collector	64
Residential/Local	39
Other	61
TOTAL SYSTEM	51

‡Note: PCI weighted by area.

*Calculated by an algorithm developed by the Army Corps of Engineers.

The following Figure ES-2 shows the City’s total pavement mileage by condition.

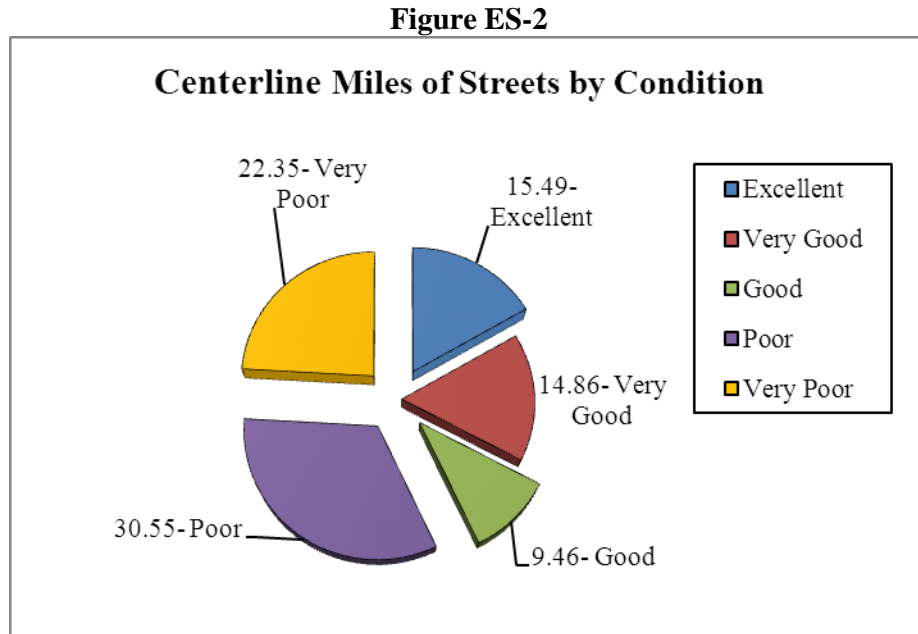


Figure ES-3 is a PCI comparison of local agencies in Contra Costa County (Results were obtained from the 2010 database obtained from MTC. * 2012 current PCI)

Figure ES-3. Local Jurisdiction PCI Comparison

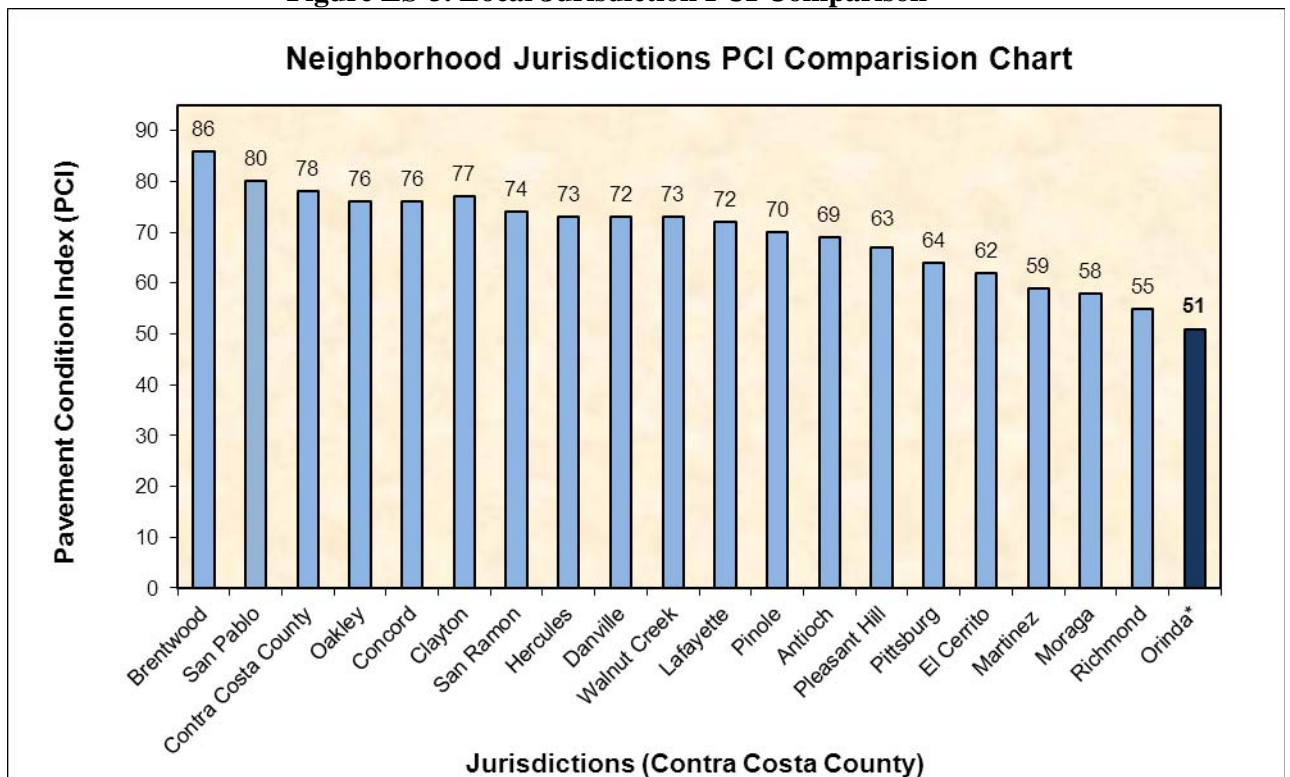


Table ES-3 describes the condition categories, their equivalent PCI range, and typical prescribed maintenance treatments.

Table ES-3

Condition	PCI Range	Typical Maintenance Treatment
Excellent	90-100	Do Nothing.
Very Good	70-89	Seal Cracks/ Slurry Seal & Dig Outs
Good	50-69	Cape Seal/ Mill & Thin Overlay/Slurry Seal & Dig Outs
Poor	25-49	Mill and Thick Overlay
Very Poor	0-24	Reconstruction

Table ES-3 created by Harris & Associates based on feedback from the City.

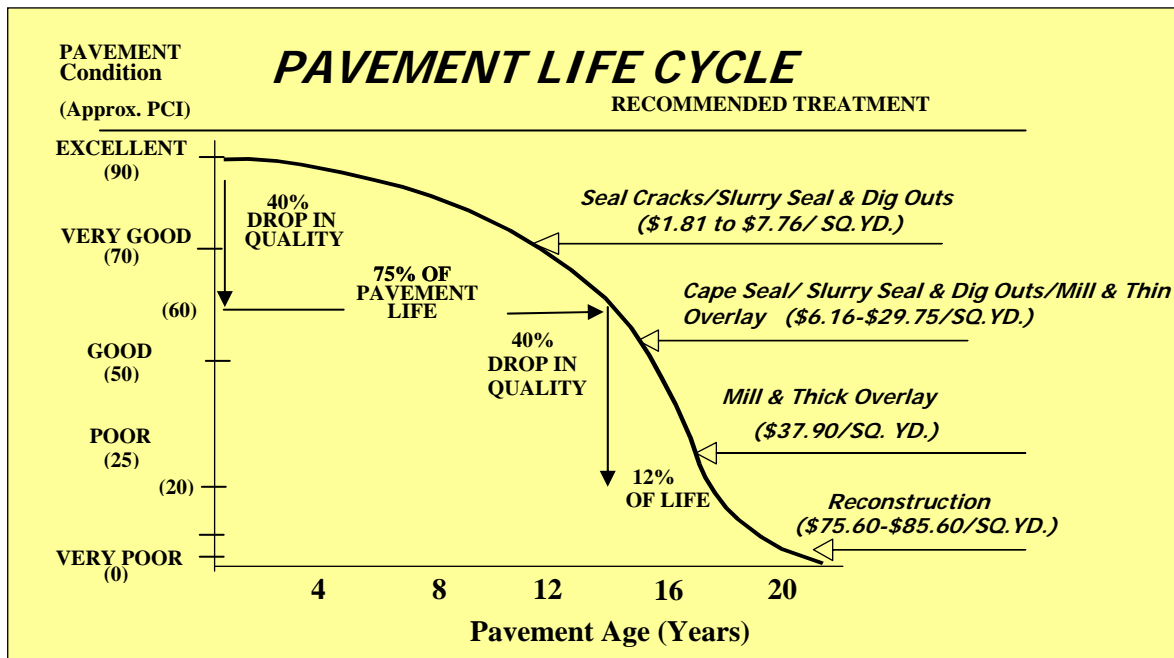
The maintenance strategy described above is based on PCI scores and the corresponding condition category. Streets with PCI scores over 90 are considered to be in excellent condition and require no treatment. Streets with scores from 70 to 89 are considered “Very Good”, but may require cracks to be sealed or a slurry seal. Streets with scores from 50 to 69 are considered “Good”, but may require a cape seal or a thin asphalt concrete (AC) overlay. Streets with scores from 25 to 49 are considered “Poor” and generally require a mill and AC overlay. Streets with scores below 25 are “Very Poor” and are in need of reconstruction.

In the present condition, about 15.5 miles of the City’s pavement segments are in the “Excellent”, about 14.8 miles in the “Very Good” category, about 9.5 miles in the “Good” category, about 30.5 miles in the “Poor” category, and about 22.3 miles are in the “Very Poor” category.

◆ **Budget Analysis**

Following the treatment strategy described in the table above and an inflation rate of 5%, the MTC PMP software generates a Budget Needs analysis. The Budget Needs analysis projects the total budget needed to bring the City’s pavement system to a condition where most pavement sections require only preventive maintenance (i.e., PCI = 70 or higher). It is cost effective to keep pavement above a certain PCI because the cost to maintain the high PCI is less, than to bring a street segment with a low PCI to a high PCI.

Figure ES-4



Pavement generally deteriorates according to a certain pattern. Figure ES-4 above is a model of this pattern, shown as a graph of pavement condition versus time. Please note that this figure is not to scale. A Street's pavement begins its life in excellent condition and remains in excellent condition for a few years, without need of any maintenance. Over time, however, the condition of the street will worsen, and the rate at which its pavement condition deteriorates* will increase dramatically as the street passes the midpoint of its life. As a result of this continued deterioration, the quantity and cost of the maintenance activities needed to rehabilitate the pavement will increase in both scope and costs. It is at this point that pavement repair options must be weighed.

Questions must be answered, such as: Will the investment related to a preventive maintenance repair be offset by the opportunity cost of not doing such a repair, or is the pavement at such a state that it would be better to simply wait until the pavement completely deteriorates before making the repair? The answers (and, indeed, the questions themselves) depend upon the individual pavement segment. Figure ES-4 illustrates the benefit of addressing pavement concerns before the pavement condition reaches a poor or failed state. Maintenance activities increase the PCI value as they are applied to the segment. By allowing pavements to deteriorate, roads that once cost \$7.76 per square yard (\$/SY) to slurry seal and dig out, may soon cost \$37.90/SY to overlay or \$85.60/SY to reconstruct. In other words, delays in repairs can result in costs increasing as much as 30-fold. In other words, it is not simply “pay today or pay tomorrow”, but rather a “pay today or pay more tomorrow” proposition. Overall pavement maintenance cost is reduced by the timely application of crack seals and slurry seals before the subgrade fails and requires a total pavement reconstruction.

*A typical pavement section will deteriorate approximately 40% in the first 75% of its lifespan. However, that same pavement section, if untreated, will experience another 40% reduction in overall quality in only the next 12% of lifespan, effectively deteriorating an equivalent amount in only one-sixth (1/6) the time.

Preventative Maintenance (PM) is a schedule of planned maintenance actions aimed at the prevention of failure of streets. These actions are designed to detect, preclude, or mitigate degradation of a street section. The goal of preventative maintenance approach is to minimize degradation and thus sustain or extend the useful life of the street. To reach that level of preventive maintenance in five (5) years, the Budget Needs analysis determined a total need of approximately \$58 million for the years 2013-2017. See Section IV-A for the Needs - Projected PCI/Cost Summary.

The Budget Needs Average is defined as the cumulative budget needs over the course of the analysis period (\$57 million) divided by the number of years in the analysis period (5 years). For this study, the Budget Needs Average is \$11,524,238 per year. After the Budget Needs have been calculated, Budget Scenarios are run to determine the funding levels required to maintain and/or improve the current PCI level and generate a list of street maintenance for the next five (5) years. The software analyzes each pavement section and selects a specific maintenance treatment, including “Do Nothing,” to maximize the improvement of the entire pavement system. Maintenance treatments are allocated to as many streets as the annual budget will allow. The budget scenarios tested were calculated utilizing a 6% fixed preventative maintenance split, 4% interest, and 4% inflation values in the “No Funds,” “Maintain PCI,” and “Budget Needs Average” scenarios.

For Orinda, the following six annual budget scenarios were generated with varying budgets applied towards preventive maintenance:

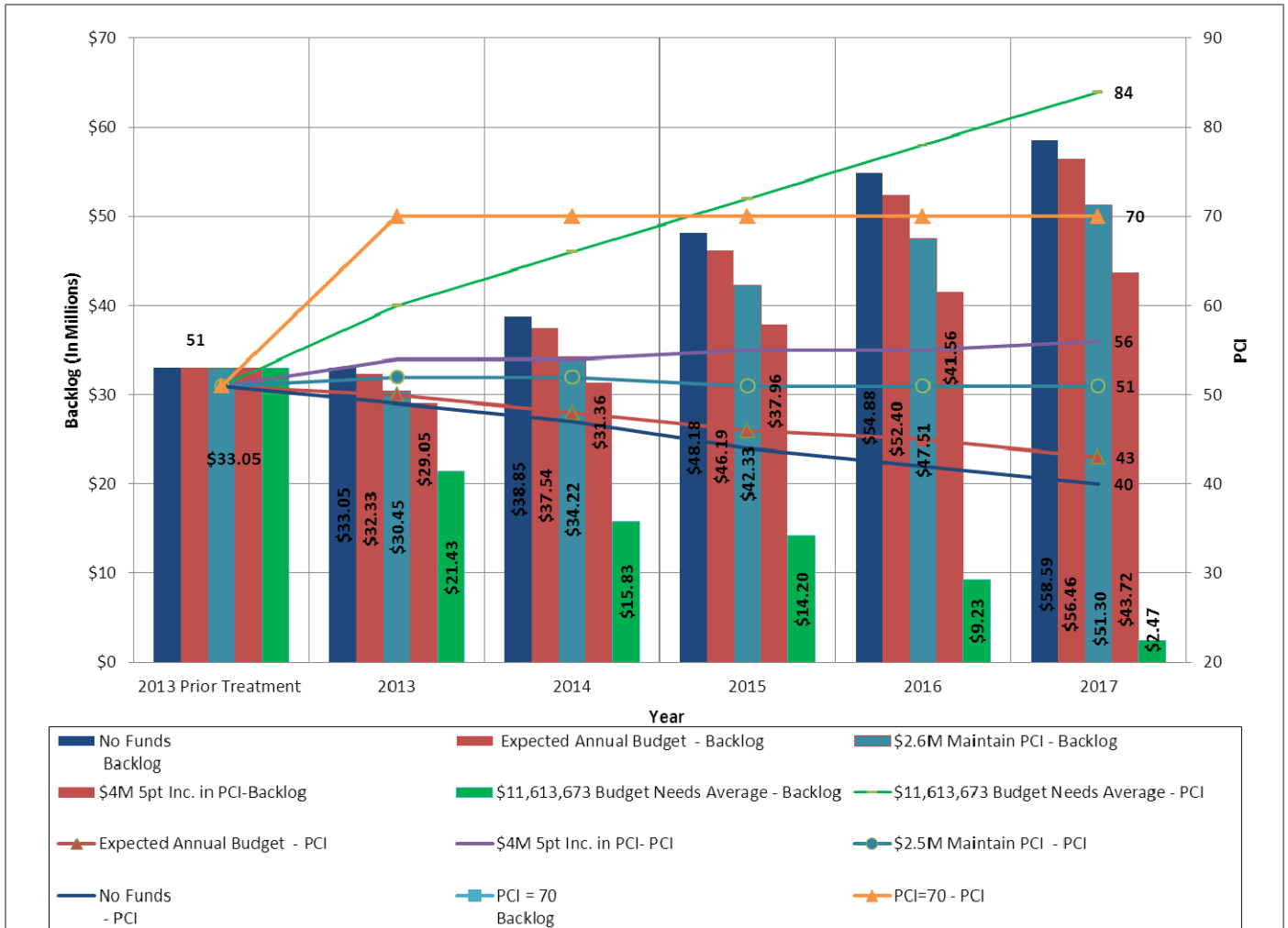
1. \$0 - No Funds
2. \$2,600,000 - Maintain PCI – Recommended (6%) PM
3. \$4,000,000 – Five Point Increase in PCI – Recommended (6%) PM
4. \$714,000 in Year 1, \$745,000 in Year 2, \$777,000 in Year 3, \$808,000 in Year 4, and \$840,000 in Year 5- Expected Annual Budget – Recommended (6%) PM
5. \$11,613,673 Budget Needs Average- Recommended (6%) PM
6. \$24,184,756 in Year 1, \$4,930,155 in Year 2, \$3,803,781 in Year 3, \$2,916,139 in Year 4, and \$3,292,496 in Year 5 – PCI=70

The MTC PMP software recommends spending about 5 percent of the budget toward preventive maintenance because it is the optimum level according to the specific conditions of the City’s system. This means that about 5 percent of the annual budget is spent on slurry seals and crack seals while the remainder of the budget is spent on overlays and reconstruction. These budgets do not account for stopgap maintenance repairs, such as emergency pothole repair.

◆ **Budget Analysis Results**

After the MTC PMP software analyzes the pavement system according to the specified annual budget over a period of five (5) years, trends are evident in the PCI and deferred maintenance backlog (the amount of necessary reconstruction and overlays not performed each year due to budget constraints). An increase in deferred maintenance shows that necessary rehabilitation is not being performed. The total deferred maintenance in 2012 before any suggested maintenance is performed is around \$33 million. The following figure shows the impacts of the City’s overall PCI and backlog for the five (5) scenarios generated.

Figure ES-5



The following PCI values reflect the average PCI and deferred maintenance after suggested treatments are applied.

- \$0 - No Funds.
PCI Trend: Decreases from 51 PCI in 2013 to 40 PCI in 2017.
Deferred Maintenance Trend: Increases from \$33 million in 2013 to \$58.5 million in 2017.
- \$2,600,000 - Maintain PCI
PCI Trend: From 51 PCI in 2013 to 51 PCI in 2017.
Deferred Maintenance Trend: Increases from \$33 million in 2013 to \$51.3 million in 2017.

- \$4,000,000 – Five Point Increase in PCI
PCI Trend: Increases from 51 PCI in 2013 to a 56 PCI in 2017.
Deferred Maintenance Trend: Increases from \$33 million in 2013 to \$43.7 million in 2017.
- \$714,000 in Year 1, \$745,000 in Year 2, \$777,000 in Year 3, \$808,000 in Year 5, and \$840,000 in Year 5 - Expected Annual Budget
PCI Trend: Decreases from a 51 PCI in 2013 to a 43 PCI in 2017.
Deferred Maintenance Trend: Increases from \$33 million in 2013 to \$56.4 million in 2017.
- \$11,613,673 - Budget Needs Average
PCI Trend: Increases from a 51 PCI in 2013 to an 84 PCI in 2017.
Deferred Maintenance Trend: Decreases from \$33 million in 2013 to \$2.4 in 2017.
- \$24,184,756 in Year 1, \$4,930,155 in Year 2, \$3,803,781 in Year 3, \$2,916,139 in Year 4, and \$3,292,496 in Year 5 – PCI=70
PCI Trend: Increases from a 51 PCI in 2013 to a 70 PCI in years 2013-2017.
Deferred Maintenance Trend: Decreases from \$33 million in 2013 to \$3.2 in 2017.

Scenario charts (Figures ES-6 and ES-7) showing the impact of the six budgets on street condition and deferred maintenance backlog over a five (5) year period is shown on the following pages and in Sections IV-B and IV-C. The Cost Summary Reports, which provide information on pavement funding distribution by pavement condition, and the Network Condition Summary Reports, which project pavement condition trends, can be found in Section IV-D.

Figure ES-6

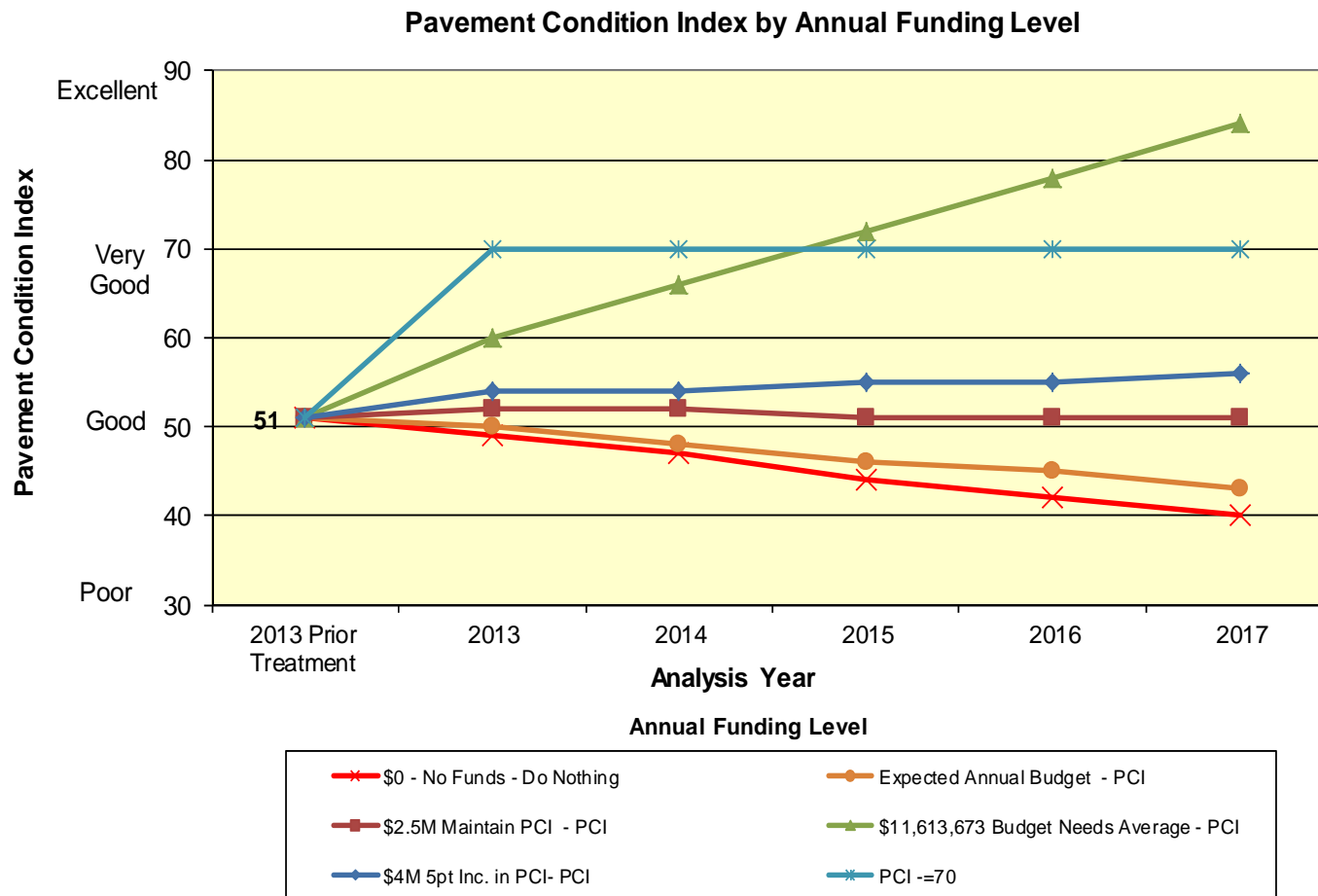
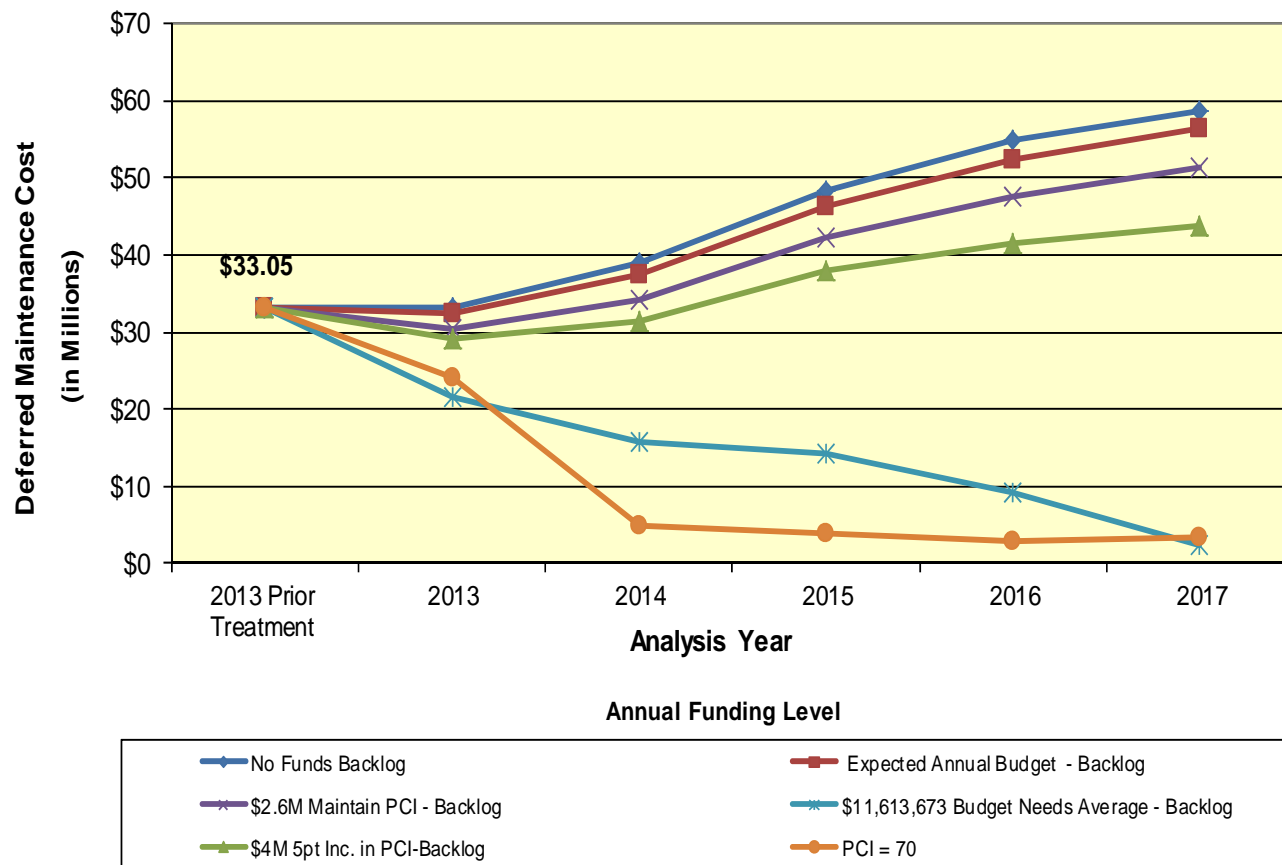


Figure ES-7

Deferred Maintenance Cost by Annual Funding Level



◆ **Suggestions**

Harris & Associates suggests that, at a minimum, annual budgets for asphalt concrete pavement work alone should be increased to \$3M each year. Raising the budget to \$3M will begin an increasing trend in overall pavement condition while slowing the growth of the deferred maintenance backlog. At this budget level, the overall PCI will increase from a 51 PCI in 2013 to a 52 in 2017 after recommended treatments are applied.

The City should utilize cost effective treatments where appropriate, such as slurry seals and crack seals and continue to evaluate emerging cost effective techniques like rubberized chip seals, thin-bonded wearing courses and rubberized overlays. Maintenance and rehabilitation performed should also be recorded in the MTC PMP software.

The City should also perform annual database updates that include review and update of decision trees (maintenance activities and unit costs) and updates of the road network when the streets are annexed or newly constructed.

Harris & Associates commends the City for its active participation in the pavement management program and also recommends that the City continue to maintain its pavement management program to be eligible for federal grants and funding. All arterials and collector routes should be re-inspected every two years and all residential streets every five years. The costs for the re-inspection should be included in the annual pavement management budget.

The City should update the City's Finance Department with any changes or adjustments that have been made to the City's road network and subsystems (roads assets and pavement subsystems that have been acquired through annexation, deletion, etc.) for GASB-34 compliance.

The City should utilize the StreetSaver Online GIS module or in-house GIS to assist in managing the roads within City limits. The GIS technology is very useful to spatially view tabular reports that are derived from the pavement management system, such as scenarios, identification of maintenance and rehabilitation treatments, planning, maintenance and rehabilitation history, pavement condition index, etc. The tool is very useful for exporting information out to current GIS and AutoCAD programs.

Orinda's overall street system is currently in the lower range of MTC's "Good" condition category. To help maintain and improve the current condition, certain projects have been recommended within the context of this program. Annual work programs for the expected annual budgets can be found in Sections IV-E, F, & G. The report provides detailed listings of suggested maintenance projects for Orinda based on the overall PMP suggested needs funding and base annual budgets. The report also provides a first step in identifying segments to be repaired under Orinda's annual work programs.

Although these project listings are recommendations generated by the PMP, they are for planning purposes only and are not intended to replace sound engineering judgment. Final project recommendations should be weighed against the actual approach the City wishes to utilize in scheduling the workloads for contracting purposes. Once a street segment is identified for repair, a closer site inspection and detailed project repair scope is required.

SECTION I

INTRODUCTION

NEED FOR A PAVEMENT MANAGEMENT PROGRAM

A Pavement Management Program assists the City by providing current inspection data used to evaluate current pavement condition. This helps to maintain a City-defined desirable level of pavement performance while optimizing the expenditure of limited fiscal resources. A PMP system is also required to obtain federal funds.

Specifically, the program provides administrators and maintenance personnel with:

- A current inventory of all public roadways
- The current pavement condition for all public roadways
- A project listing of all pavement needing maintenance, rehabilitation, or replacement
- The most cost effective level of maintenance or repair appropriate at the time of the inspection
- A forecast of budget needs for maintenance, rehabilitation, or replacement of deficient pavement sections for a selected time period, at various alternative overall condition levels

LIMITS OF STUDY

It must be recognized that this report is limited to the existing pavement repairs. It does not include existing deficiencies for right-of-way concrete sidewalks, curb & gutter, drainage, trees, bus pads and non-structural improvements such as decorative crosswalks, medians, lighting and street furniture. Costs for these right-of-way repairs and improvements throughout the City would easily exceed the deferred maintenance costs (the cost of crucial maintenance work not performed in a specific year) identified in this report and can be identified and estimated separately in future reports.

The following recommendations generated by the Pavement Management Program are for planning purposes only. The resulting general recommendations are not intended to replace sound engineering judgment, which should dictate specific needs for an individual project. Maintenance and rehabilitation projects should be based on a combination of the system's recommendations weighed against the City's preferences, budget constraints, and other contributing factors. In addition, further refinements may be warranted from an engineering staff review of the pavement condition. For example, a particular pavement section may be selected for treatment in a given year but the work may be postponed to coordinate activities with other planned work on-site, such as utility replacement work.

THE PAVEMENT SYSTEM

The entire pavement system within Orinda is composed of approximately 93 miles of paved surfaces and is divided into 476 pavement management segments. To assist in planning maintenance needs, the City's streets were grouped by functional class (arterial, collector, residential, and other). The table below shows the City's pavement mileage by functional class.

Table I - 5

Classification	Total Sections	Total Center Line Miles	Total Lane Miles
Arterials	46	11.02	29.69
Collector	63	15.05	30.11
Residential/Local	354	64.10	128.27
Other	13	2.53	5.06
Totals	476	92.7	193.13

The entire pavement system has a current reconstruction value of over \$108 million. The current system reconstruction value (consisting of moderate base failure repair, removal of existing surface, and pavement overlay) by functional class is as follows:

Table I - 6
System Reconstruction Value

CLASSIFICATION	Square yards	Reconstruction (per square yard)	Reconstruction Value	Reconstruction Value
Arterial	248,757	\$85.60	21,293,599	19.66%
Collector	218,120	\$85.60	18,671,072	17.24%
Residential/Local	866,628	\$75.60	65,517,077	60.48%
Other	37,561	\$75.60	2,839,612	2.62%
TOTALS	1,371,066		108,321,360	100%

CURRENT PAVEMENT CONDITION

A visual survey of approximately 93 miles of the City's streets was conducted to assess the existing surface condition of each individual pavement segment. Upon completion of this survey, a Pavement Condition Index (PCI) was calculated for each segment to reflect the overall pavement condition. Ranging between 0 and 100, a PCI of 0 would correspond to a badly deteriorated pavement with virtually no remaining life. A PCI of 100 would correspond to a new pavement or pavement with no observed distresses.

Table 7 relates PCI ranges to pavement condition definitions and gives a general description for each pavement condition.

Table I - 7

PCI Range	Condition	Description
90-100	Excellent	Little or no distress.
70-89	Very Good	Little or no distress, with the exception of utility patches in good condition, or minor to moderate hairline cracks; typically lightly weathered.
50-69	Good	Light to moderate weathering, light load-related base failure, moderate linear cracking.
25-49	Poor	Moderate to severe weathering, moderate levels of base failure, moderate to heavy linear cracking.
0-24	Very Poor	Extensive weathering, moderate to heavy base failure, failed patches, extensive network of moderate to heavy linear cracking.

The overall condition of Orinda’s road network rests in the lower “Good” range with a weighted average PCI of **51**.

MAINTENANCE STRATEGY DEVELOPMENT

Based on the results of the condition survey and on input from the City, pavement maintenance/rehabilitation strategies were developed. A standard agreement at the outset was to identify the City’s maintenance work program for the next five (5) years, showing resource alternatives that affect the maintenance backlog and increase the overall condition of the pavement system.

Certain strategies are recommended for the most cost-effective work program. A listing of the maintenance activities utilized in the strategy development is presented in Section II. Each activity represents the type of work that has been recommended for the long-term maintenance recommendations of the City’s streets.

ANNUAL BUDGET PROJECTIONS

The budgeting process was approached with the following in mind: generate a work program for the next five (5) years based upon actual road pavement conditions and determine the funding levels required to maintain and/or improve the current level (PCI) of overall condition.

Based on current and projected pavement maintenance needs, annual work program alternatives have been prepared. A detailed work program for the City’s expected annual budget at 6% applied towards PM can be found in Section IV-E of this report.

SECTION II METHODOLOGY

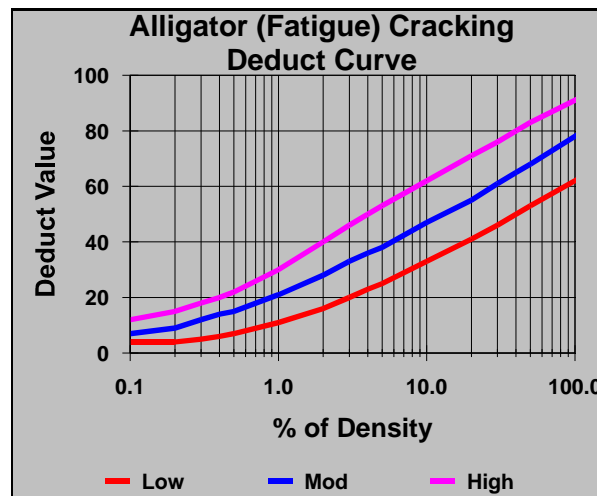
The following section provides a description of the methodology and rationale utilized in determining the recommended actions identified in this report.

Field Survey

For this inspection update, all the paved streets in Orinda’s system were re-inspected except those that had any treatments in the last two years (except crack seals). The PCI’s for these streets are based on the maintenance applied. Data, including distress types and quantities, segment length and width, etc. were collected for all inspected roads. Using a combination of City street maps and laptop computers to collect field information, a field crew visually surveyed each of these streets. Data was categorized by street and “pavement” segment. Pavement segment limits were identified by determining the logical maintenance practices that would apply to each street and may vary from street to street, i.e. intersection to intersection, change in pavement width, drainage conditions, crown of the roadway, etc. All of the inspection data was entered into the MTC pavement management software (Streetsaver® Online Version 9.0)

After the data entry procedures were completed, a distress rating was calculated for each segment. The distress rating is calculated using MTC developed algorithms. The algorithm assigns each pavement section a score of 100 then deducts point values based on the pavement distresses found within the section weighted by the quantity of each distress. The algorithm assigns deduct values based on the severity (see figure below) and the density of each distress.

Figure II -1



The algorithm weighs the total deduct value within a section and calculates a total distress rating between 0 (failed) and 100 (excellent).

The PCI is an overall measure of the condition of the road surface based on a scale of zero (0) (failed) to one hundred (100) (excellent). Table II – 1 relates PCI ranges to general pavement condition definitions.

PCI Ranges
Table II – 1

<u>PCI RANGE</u>	<u>CONDITION</u>
90 - 100	Excellent
70 - 89	Very Good
50 - 69	Good
25 - 49	Poor
0 - 24	Very Poor

The summary of all road condition data and the representative PCI's is located in the Pavement Condition Index Report in Section III.

Once the PCI has been established for a pavement section, budget analyses and workload predictions commence. Predictions of future pavement performance are based on a pavement deterioration curve developed by MTC. As a pavement ages, the system predicts the PCI of the pavement based on the deterioration curve.

MAINTENANCE STRATEGY ASSIGNMENTS

The PCI is used by the system to schedule maintenance activities for each pavement segment. The MTC PMP software recommends a specific maintenance activity based on the PCI and budget constraints. The City has selected a series of maintenance activities to apply to the pavement network. The City calculated unit costs based on the projects that occurred in 2010 and 2011. The unit costs for each maintenance activity account for various construction costs including labor materials, 5% for design, 5% for construction inspection and 10% for contingency. Definitions of each maintenance activity per category are defined as follows:

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

Crack seals are used to fill individual pavement cracks to prevent entry of water or other non-compressible substances such as sand, dirt, rocks or weeds. Crack sealant is typically used on early stage longitudinal cracks, transverse cracks and reflection cracks. It is placed over the existing pavement surface and is typically applied by the City at five (5) year intervals.

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

Slurry seals are surface treatments applied to pavements with minimal surface distress to provide new wearing surfaces and extend pavement life. A slurry seal generally consists of a mixture of conventional or latex-modified emulsified asphalt, well-graded fine aggregate, mineral filler and water. It is placed over the existing pavement surface and is typically applied by the City at five (5) year intervals. The typical cost for a slurry seal is \$7.76 per square yard.

3. Cape Seals – A surface treatment generally utilized to provide new wearing surfaces and prevent water penetration of the pavement surface, thereby extending pavement life.

Cape seals are surface treatments applied to pavements with minimal surface distress to provide new wearing surfaces and extend pavement life. A cape seal consists of a “slurry” mixture of conventional or latex-modified emulsified asphalt, well-graded fine aggregate, mineral filler and water, placed over chip seal. The unit cost calculated by the City for a cape seal is \$6.16 per square yard.

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

An asphalt layer is placed over the existing pavement surface. Cold planing is typically performed prior to the overlay to provide a level surface for the overlay, reduce excessive crowning, and assure alignment with existing gutter line. This typically includes base repair and crack sealing prior to the application of an overlay. This treatment provides a new wearing surface and increased structural strength to the pavement section. An overlay is typically designed for a ten to fifteen (10-15) year life. This type of treatment was estimated by the City to cost \$29.75 to \$37.90 per square yard depending on the thickness of the overlay and the functional class of the street.

5. Reconstruction – The removal and replacement of either the pavement surface only or both the pavement and base.

Orinda’s typical cost for reconstruction is \$75.60 to \$85.60 per square yard. After a reconstruction, the pavement segment is again considered new with a full life extension (typically 28 years).

MAINTENANCE DECISIONS

After the City selected the appropriate maintenance activities and calculated unit costs, the “Maintenance Decision Tree” (a StreetSaver application that lists all the treatments and corresponding unit costs, found in Section V) was updated. This decision tree assigns appropriate treatments by the specific needs of the streets.

The decision tree lists costs associated with treatments on specific types of pavement according to the jurisdiction. StreetSaver® uses a decision tree to model the decision-making process that agencies follow to select a maintenance or rehabilitation strategy. The decision tree contains "branches" for each functional classification, surface type, and condition category. Jurisdictions can outline their maintenance and rehabilitation strategy, choosing a treatment for each branch.

After a decision tree is established, selected budgets and work assignments were generated for each work program on an annual basis. Using the MTC recommended pavement deterioration curve for each pavement surface type and functional class, StreetSaver calculates the PCI based on the condition inspections; then depending on what category the PCI is in, a PM or rehab treatment is selected based on weighted effectiveness and available budget. Both current and future work requirements for each pavement segment within the City were then determined.

PAVEMENT MANAGEMENT PROGRAM REPORTS

This report contains a comprehensive assemblage of pavement management reports ranging from summary reports to annual maintenance and rehabilitation schedules. These reports represent reasonable projections of pavement maintenance needs and performance based on visual condition assessments, unit cost estimates, and pavement deterioration models.

It is important to note that pavement segment dimensions and surface area, along with the recommended treatment and repair costs as presented in the reports, are for initial planning purposes only and will be subject to project level evaluation, design, and cost estimate. This is noteworthy due to the "implied" accuracy of reporting length and width to the nearest foot, surface area to the nearest square foot, and treatment and repair unit costs and project estimates to the nearest penny and dollar, respectively.

SYSTEM MAINTENANCE

It is recommended that the City continue developing annual maintenance plans while also working towards reducing the City's present backlog of rehabilitation projects.

In order to ensure that report outputs are accurate and credible, it is essential that the integrity of all data files be maintained. Prior to generating scenarios, all necessary updates to unit cost information and treatment data should be complete. In addition, the entire pavement network will have to be re-inspected at regular intervals, as noted earlier in this report. This will not only allow work to be scheduled based on the most current condition data available, but it will also provide City personnel with a means to monitor rates of pavement deterioration with better accuracy.

SECTION III

**PAVEMENT CONDITION INDEX (PCI) REPORT / REMAINING
SERVICE LIFE (RSL) REPORT**

Section PCI Listing Report

This report lists the Pavement Condition Index (PCI) for each pavement management section.

Street Name:	Street Name
Street ID:	Street Identifier - 6 characters
Section ID:	Section Identifier - 6 characters
From:	Beginning of Section
To:	End of Section
Length:	Length of Section (LF)
Width:	Width of Section (LF)
Functional Class:	Type of Functional Class for Section
Surface Type:	Type of surface for Section
PCI:	Pavement Condition Index (PCI) number at time of calculation
PCI Date:	Date of Inspection or PCI calculation

**PTAP-13 CITY OF ORINDA
SECTION PCI/RSL LISTING**

StreetID	SectionID	RoadName	From	To	Length	Width	Area	FC	SurfType	CurrentPCI	RemainingLife
3013	1	ABBOT COURT	MORGA VIA	CUL-DE-SAC	339	19	6441	R - Residential/Local	O - AC/AC	45	8
20000	1	ACACIA DR.	MANZANITA DR.	CUL-DE-SAC	1935	22	42570	R - Residential/Local	A - AC	38	5
20280	1	ALBO CT.	KENMORE CT.	CUL-DE-SAC	411	25	10275	R - Residential/Local	A - AC	15	0
3002	1	ALICE LANE	GOODFELLOW DRIVE	ZANDER DRIVE	387	26	10062	R - Residential/Local	A - AC	19	0
3002	2	ALICE LANE	ZANDER DRIVE	1000' W ZANDER DRIVE	1000	26	26000	R - Residential/Local	A - AC	42	6
3002	3	ALICE LANE	1000'WZANDER DRIVE	DONALD DRIVE	1100	26	28600	R - Residential/Local	A - AC	67	18
4143	1	ALTAMOUNT DRIVE	LA CRESTA ROAD	VALENCIA ROAD	565	21	11865	R - Residential/Local	A - AC	10	0
4143	2	ALTAMOUNT DRIVE	VALENCIA ROAD	MORAGA WAY	650	21	13650	R - Residential/Local	A - AC	7	0
6012	1	ALTARINDA CR. (2545AD)	E. ALTARINDA DR.	CUL-DE-SAC	245	25	6125	R - Residential/Local	A - AC	75	23
20300	1	ALTARINDA RD.	SANTA MARIA WY	ORINDA WOODS DR	1284	38	48792	C - Collector	A - AC	62	9
10005	1	AMBER VALLEY DR. (2555Y)	DALEWOOD DR.	CUL-DE-SAC	1060	29	30740	R - Residential/Local	A - AC	17	0
11004	1	ARBOLADO CT. (2745AP)	MUTH DR.	CUL-DE-SAC	360	25	9000	R - Residential/Local	A - AC	23	0
5301	1	ARDILLA RD. (2345E)	CAMINO PABLO	NORTH LANE	1800	21	37800	R - Residential/Local	O - AC/AC	40	6
4017	1	ARDITH COURT	CORAL DRIVE	CUL-DE-SAC	279	25	6975	R - Residential/Local	A - AC	28	1
4017	2	ARDITH DRIVE	CORAL DRIVE	DARNBY COURT	747	33	24651	R - Residential/Local	A - AC	46	8
4017	3	ARDITH DRIVE	DARNBY COURT	TOTTERDELL COURT	495	33	16335	R - Residential/Local	A - AC	44	7
4017	4	ARDITH DRIVE	TOTTERDELL COURT	WESTOVER COURT	1145	33	37785	R - Residential/Local	A - AC	48	9
4017	5	ARDITH DRIVE	WESTOVER COURT	IVY DRIVE	846	33	27918	R - Residential/Local	A - AC	50	10
3020	1	ARDOR DRIVE	LOMA LINDA COURT	CUL-DE-SAC	971	22	21362	R - Residential/Local	A - AC	33	3
3020	2	ARDOR DRIVE	MORAGA WAY	LOMA LINDA COURT	268	26	6968	R - Residential/Local	A - AC	15	0
4004	1	ARROYO DRIVE	IVY DRIVE	CITY LIMITS	432	24	10368	R - Residential/Local	A - AC	6	0
4012	1	ASPINWALL COURT	EASTWOOD DRIVE	CUL-DE-SAC	610	25	15250	R - Residential/Local	O - AC/AC	75	25
11005	1	AUSTIN CT. (2745AT)	MUTH DR.	CUL-DE-SAC	420	24	10080	R - Residential/Local	A - AC	62	16
20100	1	AVENIDA DE ORINDA	ORINDA WAY	END	314	39	12246	R - Residential/Local	A - AC	30	2
3015	1	AVIS COURT	DONALD DRIVE	CUL-DE-SAC	166	26	4316	R - Residential/Local	A - AC	79	26
14005	1	BARBARA RD.(2645D)	SPRING RD.	OAK RD.	1200	20	24000	R - Residential/Local	A - AC	68	19
11001	1A	BATES BLVD. (2745AW)	DAVIS RD	MUTH DR (S)	991	32	31712	R - Residential/Local	A - AC	50	10
11001	2	BATES BLVD. (2745AW)	MUTH DR (S)	WARFORD TERR	1573	32	50336	R - Residential/Local	A - AC	60	14
11001	3	BATES BLVD. (2745AW)	WARFORD TERR	MUTH DR (N)	2179	32	69728	R - Residential/Local	A - AC	59	14
11001	4	BATES BLVD. (2745AW)	MUTH DR (N)	TAHOS RD	1377	32	44064	R - Residential/Local	A - AC	38	5
20180	1	BATES CT.	TAHOS RD	END	394	29	11426	R - Residential/Local	A - AC	42	6
4027	1	BEACONSFIELD COURT	ARDITH DRIVE	CUL-DE-SAC	743	25	18575	R - Residential/Local	A - AC	26	0
A19001	1	BEAR CREEK RD.	CAMINO PABLO	CITY LIMIT	3300	26	85800	C - Collector	A - AC	78	15
12038	1	BEL AIR CT. (2847K)	BEL AIR DR.	CUL-DE-SAC	120	22	2640	R - Residential/Local	O - AC/AC	93	37
12037	1	BEL AIR DR. (2847 J)	PARKLANE DR.	CUL-DE-SAC	1380	22	30360	R - Residential/Local	O - AC/AC	94	38
5104	1	BERKELEY AVE (2345Y)	CLAREMONT AVE	END	752	22	16544	R - Residential/Local	O - AC/AC	21	0
8003	1	BOBOLINK RD. (2354B)	MANZANITA DR.	VISTA DEL MAR	1990	22	43780	R - Residential/Local	A - AC	13	0
12014	1	BROADVIEW TR. (2745AD)	OVERHILL RD.	CUL-DE-SAC	900	24	21600	R - Residential/Local	A - AC	40	5
7002	1	BROOKBANK RD. (2655A)	MINER RD.	CUL-DE-SAC	865	17	14705	R - Residential/Local	A - AC	12	0
12030	1A	BROOKSIDE RD. (2643)	ESTATES DR	ORCHARD RD	335	24	8040	R - Residential/Local	A - AC	33	3
12030	2	BROOKSIDE RD. (2643)	ORCHARD RD	MORAGA WAY	565	24	13560	R - Residential/Local	A - AC	18	0
14002	1	BROOKWOOD RD.(2744A)	SPRING RD.	CAMINO PABLO	2100	26	54600	C - Collector	O - AC/AC	91	36
14002	2	BROOKWOOD RD.(2744A)	CAMINO PABLO	MORAGA WAY	335	47	15745	A - Arterial	A - AC	28	1
20120	1	BRYANT WAY	CUL-DE-SAC	MORAGA WAY	276	29	8004	R - Residential/Local	A - AC	47	8

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20120	2	BRYANT WAY	MORAGA WAY	DAVIS ROAD	480	32	15360	A - Arterial	O - AC/AC	89	28
5103	1	CALIFORNIA AVE. (2345J)	PROPERTY LINE AT #65/61	END AT #39 CALIFORNIA AVE.	466	22	10252	R - Residential/Local	O - AC/AC	72	21
3005	1	CALVIN COURT	CALVIN DRIVE	CUL-DE-SAC	396	30	11880	R - Residential/Local	A - AC	29	1
3008	1	CALVIN DRIVE	RHEEM BLVD.	LIND COURT	399	24	9576	R - Residential/Local	A - AC	7	0
3008	2	CALVIN DRIVE	LIND COURT	CALVIN COURT	693	25	17325	R - Residential/Local	A - AC	3	0
3008	3	CALVIN DRIVE	CALVIN COURT	END	360	30	10800	R - Residential/Local	A - AC	31	2
5204	1	CAMINO DEL DIABLO 2345B	EL TOYONAL	CHAPPARAL PLACE	2175	19	41325	R - Residential/Local	A - AC	23	0
8101	1	CAMINO DON MIGUEL(2354D)	MINER ROAD	CAMINO DON MIGUEL	4485	20	89700	R - Residential/Local	A - AC	39	5
14001	1	CAMINO ENCINAS (2645E)	MORAGA WAY (N)	MORAGA WAY (S)	2100	30	63000	R - Residential/Local	A - AC	50	10
A11002	0	CAMINO PABLO	MORAGA WAY	SANTA MARIA WAY	2212	68	150416	A - Arterial	A - AC	52	8
A11002	1A	CAMINO PABLO	SANTA MARIA WAY	CAMINO SOBRANTE	1979	65	128635	A - Arterial	A - AC	83	21
A11002	2	CAMINO PABLO	CAMINO SOBRANTE	ORINDA WAY	938	62	58156	A - Arterial	A - AC	34	2
A11002	3	CAMINO PABLO	ORINDA WAY	MINER RD	1058	60	63480	A - Arterial	A - AC	82	20
A11003	1A	CAMINO PABLO	MINER RD	ARDILLA ROAD	1973	36	71028	A - Arterial	A - AC	63	12
A11003	2	CAMINO PABLO	NORTH LN	SOL BRAE WY	2040	36	73440	A - Arterial	A - AC	80	19
A11003	3	CAMINO PABLO	SOL BRAE WY	MONTE VISTA RD	1045	36	37620	A - Arterial	A - AC	85	22
A11004	1	CAMINO PABLO	MONTE VISTA RD.	BEAR CREEK RD.	1200	40	48000	A - Arterial	O - AC/AC	86	28
7101	1	CAMINO SOBRANTE (2544C)	ORINDA WAY	EL RIBERO (SOUTH)	3050	21	64050	C - Collector	A - AC	49	5
7101	2A	CAMINO SOBRANTE (2544C)	EL RIBERO (SOUTH)	LA ESPIRAL	2460	21	51660	R - Residential/Local	A - AC	52	11
7101	2B	CAMINO SOBRANTE (2544C)	LA ESPIRAL	EL RIBERO (NORTH)	2190	21	45990	R - Residential/Local	A - AC	22	0
7101	3A	CAMINO SOBRANTE (2544C)	EL RIBERO (NORTH)	LA NORIA (SOUTH)	1450	21	30450	R - Residential/Local	A - AC	17	0
7101	3B	CAMINO SOBRANTE (2544C)	LA NORIA (SOUTH)	LA ESPIRAL	1946	21	40866	R - Residential/Local	A - AC	18	0
7101	4A	CAMINO SOBRANTE (2544C)	LA ESPIRAL	MINER ROAD	2354	21	49434	R - Residential/Local	A - AC	36	4
7101	5	CAMINO SOBRANTE (2544C)	CAMINO PABLO	ORINDA WAY	430	38	16340	A - Arterial	O - AC/AC	91	28
10004	1	CANDLE TR. (2555AA)	DALEWOOD DR.	NEW SECTION OF STREET	205	29	5945	R - Residential/Local	A - AC	7	0
10004	2	CANDLE TR. (2555AA)	NEW STREET SECTION	CUL-DE-SAC	295	29	8555	R - Residential/Local	A - AC	85	29
14008	1	CANDLESTICK RD.(2645H)	KNICKERBOCKER LANE	CUL-DE-SAC	780	25	19500	R - Residential/Local	A - AC	12	0
5202	1	CANON DR. (2345D)	EL TOYONAL	CUL-DE-SAC	3650	15	54750	R - Residential/Local	A - AC	14	0
4013	1	CARISBROOK DRIVE	EASTWOOD DRIVE	CUL-DE-SAC	485	25	12125	R - Residential/Local	A - AC	3	0
4013	2	CARISBROOK DRIVE	CORAL DRIVE	EASTWOOD DRIVE	675	25	16875	R - Residential/Local	A - AC	9	0
4140	1	CARMEN COURT	LA CRESTA ROAD	CUL-DE-SAC	340	20	6800	R - Residential/Local	A - AC	82	28
12013	1	CATHERINE COURT (2745H)	OVERHILL RD.	CUL-DE-SAC	540	27	14580	R - Residential/Local	A - AC	36	4
3017	1	CEDAR LANE	DONALD DRIVE	CUL-DE-SAC	859	27	23193	R - Residential/Local	A - AC	14	0
5207	1	CHAPPARAL PLACE	EL TOYONAL RD	CUL-DE-SAC	350	20	7200	R - Residential/Local	A - AC	35	3
6204	1	CHARLES HILL CR.(2755A)	CHARLES HILL RD. (S)	CHARLES HILL RD. (N)	3800	17	64600	R - Residential/Local	A - AC	8	0
6202	1	CHARLES HILL PL(2545AK)	END	CHARLES HILL RD.	487	21	10227	R - Residential/Local	O - AC/AC	40	6
6201	2	CHARLES HILL RD. (2444)	CHARLES HILL PLACE	HONEY HILL ROAD	1385	21	29085	C - Collector	O - AC/AC	93	30
6201	3	CHARLES HILL RD. (2444)	HONEY HILL ROAD	SOULE RD	1980	21	41580	R - Residential/Local	A - AC	8	0
6201	4	CHARLES HILL RD. (2444)	SOULE RD	DIABLO VIEW DR	2035	21	42735	R - Residential/Local	A - AC	7	0
6201	1	CHARLES HILL RD.(2444A)	EL NIDO RANCH RD.	CHARLES HILL PLACE	500	38	19000	C - Collector	O - AC/AC	93	30
4022	1	CHELTON COURT	WHITEHALL DRIVE	CUL-DE-SAC	420	25	10500	R - Residential/Local	O - AC/AC	94	38
4011	1	CIELO COURT	IVY DRIVE	CUL-DE-SAC	214	25	5350	R - Residential/Local	O - AC/AC	94	38
5101	1	CLAREMONT AVE (2345G)	CAMINO PABLO	HOLLY LANE	1930	22	42460	R - Residential/Local	O - AC/AC	64	19
10002	1	COACHWOOD TR. (2555Z)	DALEWOOD DR.	CUL-DE-SAC	670	32	21440	R - Residential/Local	A - AC	30	2
4046	1	CORAL DRIVE	MORAGA WAY	ARDITH COURT	822	33	27126	O - Other	A - AC	33	3
4046	2	CORAL DRIVE	ARDITH COURT	EASTWOOD DRIVE	895	33	29535	O - Other	A - AC	30	2

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4046	3	CORAL DRIVE	EASTWOOD DR	IVY DR	325	36	11700	O - Other	O - AC/AC	93	38
4046	4	CORAL DRIVE	IVY DRIVE	FIESTA CIRCLE	1115	26	28990	R - Residential/Local	A - AC	28	1
4009	1	CORTE DEL REY	IVY DRIVE	CUL-DE-SAC	327	27	8829	R - Residential/Local	A - AC	6	0
4001	1	CORTE HOLGANZA	IVY DRIVE	CUL-DE-SAC	203	27	5481	R - Residential/Local	O - AC/AC	73	26
4002	1	CORTE SOMBRITA	IVY DRIVE	CUL-DE-SAC	270	27	7290	R - Residential/Local	O - AC/AC	71	23
3030	1	COURTNEY LANE	DONALD DRIVE	CUL-DE-SAC	828	20	16560	R - Residential/Local	A - AC	33	3
9204	1	CRANE CT. (2555P)	VAN TASSEL LANE	CUL-DE-SAC	315	16	5040	R - Residential/Local	O - AC/AC	93	37
5105	1	CRESENT DR. (2345Q)	CLAREMONT AVE.	PIEDMONT AVE.	896	19	17024	R - Residential/Local	A - AC	80	26
20260	1A	CREST VIEW DR.	VALLEY VIEW DRIVE	CRESTVIEW COURT	1901	22	41822	R - Residential/Local	O - AC/AC	91	37
20260	2	CREST VIEW DR.	CREST VIEW COURT	CULVER COURT	1394	22	30668	R - Residential/Local	A - AC	23	0
20260	3	CREST VIEW DR.	CULVER COURT	SOUTHERLY PROP LINE 199 VALLEY	2585	22	56870	R - Residential/Local	A - AC	26	0
20260	4	CREST VIEW DR.	SOUTHERLY PROP LINE 199 VALLEY	CUL DE SAC	914	22	20108	R - Residential/Local	A - AC	94	34
6005	1	CROSS RIDGE TR.(2545AV)	KITE HILL RD.	END	240	25	6000	R - Residential/Local	A - AC	73	22
6004	1	CROSSRIDGE CT. (2545AT)	KITE HILL RD.	CUL-DE-SAC	160	23	3680	R - Residential/Local	A - AC	68	19
6003	1	CROSSRIDGE PL. (2545AU)	KITE HILL RD.	CUL-DE-SAC	147	23	3381	R - Residential/Local	A - AC	73	22
4030	1	CROWN COURT	IVY DRIVE	CUL-DE-SAC	285	25	7125	R - Residential/Local	O - AC/AC	66	19
20250	1	CULVER CT.	CREST VIEW DR.	CUL-DE-SAC	691	20	13820	R - Residential/Local	A - AC	0	0
4141	1	DALE COURT	ALTAMOUNT DRIVE	CUL-DE-SAC	190	20	3800	R - Residential/Local	A - AC	69	19
10001	1A	DALEWOOD DR.(2555W)	PRIVATE STREET	LOMBARDY LN	843	36	31350	R - Residential/Local	A - AC	37	4
10001	2	DALEWOOD DR.(2555W)	LOMBARDY LN	AMBER VALLEY DR	1635	36	58860	R - Residential/Local	A - AC	38	5
10001	3	DALEWOOD DR.(2555W)	AMBER VALLEY DR	SUNDOWN TERR.	1047	36	37692	R - Residential/Local	A - AC	39	5
10001	4	DALEWOOD DR.(2555W)	SUNDOWN TERR.	CUL-DE-SAC (EAST)	950	36	35000	R - Residential/Local	A - AC	43	7
20070	1	DALEWOOD TERRACE	DALEWOOD RD	END	472	18	8496	R - Residential/Local	P - PCC	93	80
4008	1	DANZA COURT	IVY DRIVE	CUL-DE-SAC	208	27	5616	R - Residential/Local	O - AC/AC	76	29
20020	1	DAPHNE CT.	CHARLES HILL ROAD	END	267	15	4005	R - Residential/Local	A - AC	94	34
4024	1	DARNBY COURT	ARDITH DRIVE	CUL-DE-SAC	471	25	11775	R - Residential/Local	A - AC	23	0
12018	1	DARYL DR. (2745 J)	GLORIETTA BLVD.	OVERHILL RD.	1280	24	30720	R - Residential/Local	O - AC/AC	34	4
12005	1A	DAVIS RD. (2745W)	BRYANT WAY	NORTHWOOD DR	1162	22	25564	R - Residential/Local	A - AC	46	8
12005	2	DAVIS RD. (2745W)	NORTHWOOD DR	SOUTHWOOD DR	1005	22	22110	R - Residential/Local	A - AC	44	7
6103	1	DE SOTO CT.	ST. STEVENS DR.	CUL-DE-SAC	140	26	3640	R - Residential/Local	A - AC	16	0
12020	1	DEBRA CT. (2745 AQ)	SCENIC DR.	CUL-DE-SAC	168	25	4200	R - Residential/Local	A - AC	14	0
8103	1	DEL MAR CT. (2445L)	VISTA DEL MAR	CUL-DE-SAC	430	25	10750	R - Residential/Local	A - AC	15	0
4049	1	DESCANSO DRIVE	IVY DRIVE	1000' NIVY DRIVE	1000	30	30000	R - Residential/Local	A - AC	20	0
4049	2	DESCANSO DRIVE	1000' NIVY DRIVE	END	498	30	14940	R - Residential/Local	A - AC	4	0
7006	1	DIABLO VIEW DR. (2655G)	MINER RD.	CHARLES HILL RD.	5110	18	91980	R - Residential/Local	A - AC	35	3
20050	1	DIAS DORADOS	CAMINO SOBRANTE	LA CINTILLA	917	17	15589	R - Residential/Local	O - AC/AC	90	46
4148	1	DOLORES WAY	DONNA MARIA WAY	CUL-DE-SAC	760	22	16720	R - Residential/Local	A - AC	11	0
4148	2	DOLORES WAY	DONNA MARIA WAY	PRIVATE STREET	845	22	18590	R - Residential/Local	A - AC	8	0
4135	1	DON GABRIEL WAY	VALLEY VIEW DRIVE	1000' WIEL CAMINO MORAGA	1067	25	26675	O - Other	A - AC	13	0
4135	2	DON GABRIEL WAY	EL CAMINO MORAGA	1000' WIEL CAMINO MORAGA	1000	25	25000	O - Other	A - AC	28	1
3018	1	DONALD DRIVE	HALL DRIVE	DUNCAN COURT	650	25	16250	R - Residential/Local	A - AC	6	0
3018	2	DONALD DRIVE	DUNCAN COURT	DOVER COURT	607	25	15175	R - Residential/Local	A - AC	9	0
3018	3	DONALD DRIVE	DOVER COURT	CUL-DE-SAC	1330	26	34580	R - Residential/Local	A - AC	4	0
3018	4	DONALD DRIVE	HALL DRIVE	ALICE LANE	645	27	17415	R - Residential/Local	A - AC	20	0
3018	5	DONALD DRIVE	ALICE LANE	PRIVATE STREET	1140	27	30780	R - Residential/Local	A - AC	30	2
4144	1	DONNA MARIA WAY	DOLORES WAY	RITA WAY	1075	23	24725	R - Residential/Local	A - AC	8	0

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4144	2	DONNA MARIA WAY	RITA WAY	EL CAMINO MORAGA	585	23	13455	R - Residential/Local	A - AC	7	0
4144	3	DONNA MARIA WAY	LAVENIDA	END @ 131 DONNA MARIA	325	24	7800	R - Residential/Local	A - AC	6	0
4136	1	DOS ENCINAS	EL CAMINO MORAGA	CUL-DE-SAC	1202	26	31252	R - Residential/Local	A - AC	34	3
12045	1	DOUGLAS CT. (2847 H)	ROBERT RD.	CUL-DE-SAC	280	18	5040	R - Residential/Local	O - AC/AC	80	31
3016	1	DOVER COURT	DONALD DRIVE	CUL-DE-SAC	436	26	11336	R - Residential/Local	A - AC	29	1
3014	1	DUNCAN COURT	DONALD DRIVE	CUL-DE-SAC	107	64	6848	R - Residential/Local	A - AC	22	0
6010	1	E. ALTARINDA DR(2545AC)	ORINDAWOODS DR.	EL NIDO RANCH RD.	1090	30	32700	C - Collector	O - AC/AC	91	29
6010	2	E. ALTARINDA DR(2545AC)	ORINDAWOODS DR.	CUL-DE-SAC	1090	29	31610	R - Residential/Local	A - AC	35	3
3010	1	EASTON COURT	HALL DRIVE	CUL-DE-SAC	1010	25	25250	R - Residential/Local	A - AC	81	27
4015	1	EASTWOOD DRIVE	MORAGA WAY	CARISBROOK DRIVE	565	33	18645	R - Residential/Local	A - AC	45	7
4015	2	EASTWOOD DRIVE	CARISBROOK DRIVE	CORAL DRIVE	1031	33	34023	R - Residential/Local	A - AC	47	8
20290	1	EDGEWOOD RD.	LOST VALLEY DR.	END	601	23	13823	R - Residential/Local	A - AC	10	0
4132	1	EL CAMINO MORAGA	DONNA MARIA WAY	DON GABRIEL WAY	693	26	18018	R - Residential/Local	A - AC	23	0
4132	2	EL CAMINO MORAGA	DON GABRIEL WAY	MORAGA WAY	737	26	19162	O - Other	A - AC	3	0
4120	1	EL CORTE	MORAGA WAY	CUL-DE-SAC	135	25	3375	R - Residential/Local	A - AC	19	0
7205	1	EL GAVILAN (2545R)	LA ESPIRAL	END	2700	18	48600	R - Residential/Local	A - AC	9	0
4139	1	EL NIDO COURT	LA CRESTA ROAD	CUL-DE-SAC	194	20	3880	R - Residential/Local	A - AC	9	0
6208	1	EL NIDO RANCH RD (2854)	ST. STEVENS DR.	CITY LIMITS	1935	37	71595	A - Arterial	A - AC	70	15
7208	1	EL SERENO RD. (2545V)	LA ESPIRAL	CUL-DE-SAC	900	14	12600	R - Residential/Local	A - AC	71	21
7108	1	EL SUENO (2545U)	CAMINO SOBRANTE	CUL-DE-SAC	525	15	7875	R - Residential/Local	O - AC/AC	93	38
5201	1	EL TOYONAL (2254)	CAMINO PABLO	LOMA VISTA (EAST)	1781	18	32058	C - Collector	O - AC/AC	79	24
5201	10	EL TOYONAL (2254)	3000FT W/O VISTA DEL ORINDA	END AT BARRICADE	1112	18	20016	R - Residential/Local	A - AC	4	0
5201	2	EL TOYONAL (2254)	LOMA VISTA (EAST)	BONITA LN	1106	18	19908	R - Residential/Local	O - AC/AC	79	31
5201	3	EL TOYONAL (2254)	BONITA LN	LA ENCINAL	1676	18	30168	R - Residential/Local	O - AC/AC	79	31
5201	4	EL TOYONAL (2254)	LA ENCINAL	LOMA VISTA (WEST)	1220	18	21960	R - Residential/Local	O - AC/AC	83	35
5201	5	EL TOYONAL (2254)	LOMA VISTA (WEST)	PAVEMENT CHANGE	1121	18	20178	C - Collector	O - AC/AC	77	22
5201	6	EL TOYONAL (2254)	PAVEMENT CHANGE	CAMINO DEL CIELO	609	18	10962	C - Collector	O - AC/AC	81	24
5201	7	EL TOYONAL (2254)	CAMINO DEL CIELO	VISTA DEL ORINDA	2906	18	52308	C - Collector	O - AC/AC	84	28
5201	8	EL TOYONAL (2254)	VISTA DEL ORINDA	1500FT W/O VISTA DEL ORINDA	1500	18	27000	R - Residential/Local	A - AC	39	5
5201	9	EL TOYONAL (2254)	1500FT W/O VISTA DEL ORINDA	3000FT W/O VISTA DEL ORINDA	1500	18	27000	R - Residential/Local	A - AC	5	0
7204	1	EL VERANO (2545P)	LAS VEGAS	CUL-DE-SAC	620	18	11160	R - Residential/Local	A - AC	38	5
6013	1	ELLEN CT. (2545AB)	E. ALTARINDA DR.	CUL-DE-SAC	516	25	12900	R - Residential/Local	A - AC	8	0
4119	1	ESTABUENO	LAVENIDA	CUL-DE-SAC	387	24	9288	R - Residential/Local	O - AC/AC	79	30
4119	2	ESTABUENO	LAVENIDA	MORAGA WAY	1029	24	24696	R - Residential/Local	O - AC/AC	75	25
12025	1	ESTATES DR. (2745 F)	ORCHARD ROAD	BROOKSIDE ROAD	1377	25	34425	R - Residential/Local	A - AC	21	0
12025	2	ESTATES DR. (2745 F)	BROOKSIDE ROAD	SCENIC DRIVE	2803	25	70075	R - Residential/Local	A - AC	30	2
3012	1	EVANS PLACE	KEITH DRIVE	CUL-DE-SAC	322	22	7084	R - Residential/Local	A - AC	12	0
12008	1	EVERGREEN DR. (2745AY)	TARABROOK DR.	CUL-DE-SAC	1560	29	45240	R - Residential/Local	A - AC	33	3
20010	1	FAIRWAY DR.	HACIENDA CIR.	END	77	18	1386	R - Residential/Local	A - AC	37	4
10007	1	FALLEN LEAF TR. (2555AC)	DALEWOOD DR.	CUL-DE-SAC	845	29	24505	R - Residential/Local	A - AC	23	0
4047	1	FIESTA CIRCLE	IVY DRIVE	CORAL DRIVE	872	33	28776	R - Residential/Local	O - AC/AC	94	38
4047	2	FIESTA CIRCLE	CORAL DRIVE	RAE DRIVE	825	33	27225	R - Residential/Local	O - AC/AC	94	38
4047	3	FIESTA CIRCLE	IVY DRIVE	RAE DRIVE	737	33	24321	R - Residential/Local	O - AC/AC	94	38
3029	1	FLEETWOOD COURT	DRWY @ 1ST W/SIDE LOT (CLNOUT	CUL-DE-SAC	651	25	16275	R - Residential/Local	A - AC	26	0
3029	2	FLEETWOOD COURT	HALL DRIVE	DWY @ 1ST W/SIDE LOT (CLNOUT)	72	25	1800	R - Residential/Local	A - AC	27	1
4138	1	FRANCISCO COURT	LA CRESTA ROAD	CUL-DE-SAC	660	20	13200	R - Residential/Local	A - AC	14	0

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13000	1A	GLORIETTA BLVD (2731 B)	MORAGA WAY	SHADOW CREEK LN	1585	30	47550	A - Arterial	O - AC/AC	90	32
13000	2	GLORIETTA BLVD (2731 B)	SHADOW CREEK LN	RHEEM BLVD	1475	30	44250	A - Arterial	O - AC/AC	91	29
13000	3	GLORIETTA BLVD (2731 B)	RHEEM BLVD.	MARTHA RD.	1314	30	39420	A - Arterial	O - AC/AC	89	31
13000	4	GLORIETTA BLVD (2731 B)	MARTHA RD.	OVERHILL RD.	1151	30	34530	A - Arterial	O - AC/AC	89	31
13000	5	GLORIETTA BLVD (2731 B)	OVERHILL RD	CITY LIMITS	2275	30	68250	A - Arterial	O - AC/AC	88	30
3027	1	GLORIETTA COURT	GLORIETTA BLVD	CUL-DE-SAC	742	22	16324	R - Residential/Local	A - AC	77	24
3001	1	GOODFELLOW DRIVE	GOODFELLOW COURT	CITY LIMITS	709	29	20561	R - Residential/Local	A - AC	21	0
12033	1	GREAT OAK CR. (2745 AB)	ORCHARD RD.	CUL-DE-SAC	120	22	2640	R - Residential/Local	A - AC	79	26
3007	1	GREENWOOD COURT	CALVIN DRIVE	CUL-DE-SAC	1315	20	26300	R - Residential/Local	A - AC	15	0
6014	1	GREYSTONE TR. (2545AP)	ORINDAWOODS DR.	BULB BOTH ENDS	745	30	22350	R - Residential/Local	A - AC	48	9
8106	1	HACIENDA CIRCLE	HACIENDA CIRCLE	ACACIA DR (N)	1200	22	26400	R - Residential/Local	A - AC	94	34
8106	2	HACIENDA CIRCLE	ACACIA DR (S)	END	425	23	9775	R - Residential/Local	A - AC	94	34
20310	1	HALL DR.	DONALD DR.	END	164	24	3936	R - Residential/Local	A - AC	34	3
3009	1A	HALL DRIVE	MORAGA WAY	FLEETWOOD CT	1257	32	40224	C - Collector	O - AC/AC	93	30
3009	2	HALL DRIVE	FLEETWOOD CT	DONALD DR	1707	32	54624	C - Collector	A - AC	88	20
3009	6	HALL DRIVE	900' S/RHEEM BLVD.	200'+/- S/EASTON COURT END	500	25	12500	R - Residential/Local	A - AC	6	0
3009	7	HALL DRIVE	Rheem Blvd.	900 S/Rheem Blvd	900	25	22500	R - Residential/Local	A - AC	6	0
10010	1	HAPPY VALLEY RD. (2851)	CITY LIMIT (SOUTH)	CITY LIMIT (NORTH)	2470	21	51870	C - Collector	O - AC/AC	90	33
6011	1	HARRAN CR. (2545AE)	E. ALTARINDA DR.	CUL-DE-SAC	267	26	6942	R - Residential/Local	A - AC	76	24
6205	1	HARTFORD RD. (2755D)	CHARLES HILL CIRCLE	END	400	15	6000	R - Residential/Local	A - AC	69	19
6006	1	HAWKRIDGE TR.(2545AL)	ORINDAWOODS DR.	BULB BOTH ENDS	510	29	14790	R - Residential/Local	A - AC	36	4
20240	1	HEATHER LN.	PRIVATE STREET	200 E. VALLEY DRIVE	517	18	9306	R - Residential/Local	A - AC	22	0
20240	2	HEATHER LN.	Scenic Drive	Private Street	520	25	13000	R - Residential/Local	A - AC	7	0
20030	1	HIDDEN VALLEY	ST STEPHENS DRIVE	SR 24 ON RAMP	950	32	30400	C - Collector	O - AC/AC	91	29
20030	2	HIDDEN VALLEY	PAVEMENT CHANGE	CITY LIMIT	800	32	25600	R - Residential/Local	A - AC	50	10
12012	1	HIGHLAND CT, (2745 AE)	OVERHILL RD.	CUL-DE-SAC	480	19	9120	R - Residential/Local	A - AC	33	3
12015	1	HILLCREST DR. (2745K)	MARTHA RD.	OVERHILL ROAD	1610	23	37030	O - Other	O - AC/AC	91	37
12015	2	HILLCREST DR. (2745K)	OVERHILL ROAD	END	1820	23	41860	R - Residential/Local	A - AC	30	2
6206	1	HONEY HILL RD.	CHARLES HILL RD.	MINER RD.	2048	22	45056	C - Collector	O - AC/AC	93	30
9005	1	ICHABOD LN. (2555S)	SLEEPY HOLLOW LANE	BERRY BROOK HOLLOW (PVT)	1155	23	26565	R - Residential/Local	A - AC	31	2
3024	1	IDYLL COURT	MORAGA VIA	CUL-DE-SAC	230	31	7130	R - Residential/Local	O - AC/AC	76	27
6007	1	IRONBARK CR. (2545AQ)	ORINDAWOODS DR. (W)	ORINDAWOODS DR. (E)	1988	25	49700	R - Residential/Local	A - AC	37	4
6008	1	IRONBARK CT. (2545AR)	IRONBARK CR.	CUL-DE-SAC	466	29	13514	R - Residential/Local	A - AC	45	8
6009	1	IRONBARK PL.(2545AS)	IRONBARK CR.	CUL-DE-SAC	365	29	10585	R - Residential/Local	A - AC	29	1
9211	1	IRVING CT. (2555D)	IRVING LANE	CUL-DE-SAC	208	21	4368	R - Residential/Local	O - AC/AC	84	31
9210	1	IRVING LANE	LOMBARDY LANE	VAN RIPPER LANE	1296	19	24624	R - Residential/Local	A - AC	75	23
20130	1	IRWIN WAY	ORINDA WAY	END	379	24	9096	R - Residential/Local	A - AC	22	0
4031	1	IVY DRIVE	MORAGA WAY	ARDITH DRIVE	900	35	31500	C - Collector	A - AC	22	0
4031	2	IVY DRIVE	ARDITH DRIVE	DESCANSO DRIVE	1084	32	34688	C - Collector	A - AC	28	0
4031	3	IVY DRIVE	DESCANSO DRIVE	RISA COURT	732	32	23424	C - Collector	A - AC	20	0
4031	4	IVY DRIVE	RISA COURT	DANZA COURT	916	32	29312	C - Collector	A - AC	4	0
4031	5	IVY DRIVE	DANZA COURT	PUEBLO COURT	1081	32	34592	C - Collector	A - AC	12	0
4031	6	IVY DRIVE	PUEBLO COURT	RAMONA DRIVE	1107	32	35424	C - Collector	A - AC	11	0
4031	7	IVY DRIVE	RAMONA DRIVE	MORAGA WAY	763	32	24416	C - Collector	A - AC	7	0
4031	8	IVY DRIVE	MORAGA WAY	MIRAMONTE DRIVE	667	32	21344	O - Other	A - AC	10	0
4031	9	IVY DRIVE	MIRAMONTE DRIVE	END	375	32	12000	R - Residential/Local	A - AC	13	0

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9203	1	KATRINA CT. (2555Q)	VAN TASSEL LANE	CUL-DE-SAC	275	23	6325	R - Residential/Local	O - AC/AC	94	38
3003	1	KEITH DRIVE	EVANS PLACE	END	400	22	8800	R - Residential/Local	A - AC	31	2
3003	2	KEITH DRIVE	EVANS PLACE	DONALD DRIVE	537	22	11814	R - Residential/Local	A - AC	16	0
12043	1	KELLIE ANN CT. (2745BA)	MEADOW VIEW RD.	CUL-DE-SAC	280	29	8120	R - Residential/Local	A - AC	76	24
20270	1	KENMORE CT.	LOST VALLEY DR.	CUL-DE-SAC	492	25	12300	R - Residential/Local	A - AC	12	0
6002	1	KITE HILL RD. (2545AN)	ORINDAWOODS DR.	LA CUESTA	1765	25	44125	R - Residential/Local	A - AC	23	0
8002	1	KITTIWAKE RD. (2445G)	MANZANITA DR.	CUL-DE-SAC	335	18	6030	R - Residential/Local	A - AC	77	24
14007	1	KNICKERBOCKER LN(2645G)	SPRING RD.	STEIN WAY	1000	30	30000	R - Residential/Local	A - AC	21	0
7206	1	LA CAMPANA (2545K)	LA ESPIRAL (E)	LA ESPIRAL (W)	2600	16	41600	R - Residential/Local	O - AC/AC	41	7
20060	1	LA CINTILLA	DIAS DORADOS	CUL-DE-SAC	860	17	14620	R - Residential/Local	A - AC	10	0
4145	1	LA CRESTA ROAD	DON GABRIEL WAY	PICO COURT	664	25	16600	R - Residential/Local	A - AC	20	0
4145	2	LA CRESTA ROAD	PICO COURT	EL NIDO COURT	1037	22	22814	R - Residential/Local	A - AC	34	3
4145	3	LA CRESTA ROAD	EL NIDO COURT	CARMEN COURT	470	21	9870	R - Residential/Local	A - AC	28	1
4145	4	LA CRESTA ROAD	CARMEN COURT	WOODLAND ROAD	1106	21	23226	R - Residential/Local	A - AC	13	0
7105	1	LA CUESTA (2545E)	CAMINO SOBRANTE	END	3080	15	46200	R - Residential/Local	A - AC	32	2
7201	1A	LA ESPIRAL (2544D)	CAMINO SOBRANTE SOUTH	LAS VEGAS ROAD	4500	20	90000	R - Residential/Local	O - AC/AC	34	4
7201	2	LA ESPIRAL (2544D)	LAS VEGAS ROAD	VIA HERMOSA	2881	20	57620	R - Residential/Local	O - AC/AC	31	2
7201	3	LA ESPIRAL (2544D)	VIA HERMOSA	CAMINO SOBRANTE NORTH	1094	20	21880	R - Residential/Local	O - AC/AC	50	11
7106	1	LA NORIA (2545F)	CAMINO SOBRANTE (S)	CAMINO SOBRANTE (N)	1530	15	22950	R - Residential/Local	A - AC	42	6
7107	1	LA SENDA (2545W)	LA NORIA	CUL-DE-SAC	330	16	5280	R - Residential/Local	O - AC/AC	85	36
3021	1	LA SOMBRA COURT	ARDOR DRIVE	CUL-DE-SAC	505	25	12625	R - Residential/Local	A - AC	63	18
7202	1	LA VUELTA	LA ESPIRAL (S)	LA ESPIRAL (N)	1610	16	25760	R - Residential/Local	O - AC/AC	30	2
5205	1	LAS PIEDRAS (2244B)	VISTA DEL ORINDA	LOMAS CANTADAS	885	22	19470	C - Collector	O - AC/AC	93	30
7203	1	LAS VEGAS (2544E)	LA ESPIRAL	MIRA FLORES	1189	19	22591	R - Residential/Local	A - AC	33	3
7203	2	LAS VEGAS (2544E)	MIRA FLORES	VIA LAS CRUCES	1000	19	19000	R - Residential/Local	A - AC	39	5
7203	3	LAS VEGAS (2544E)	VIA LAS CRUCES	ST. STEPHENS DRIVE	320	19	6080	C - Collector	A - AC	34	2
7203	4	LAS VEGAS (2544E)	ST. STEPHENS DRIVE	LA ESPIRAL ROAD	1050	19	19950	R - Residential/Local	A - AC	33	3
4118	1	LAVENIDA	MORAGA WAY	B.C. @ 90 DEGREE	932	24	22368	R - Residential/Local	O - AC/AC	74	24
4029	1	LAVINA COURT	IVY DRIVE	CUL-DE-SAC	675	24	16200	R - Residential/Local	A - AC	3	0
3006	1	LIND COURT	CALVIN DRIVE	CUL-DE-SAC	781	26	20306	R - Residential/Local	O - AC/AC	16	0
7103	1	LINDA VISTA (2545C)	MIRA LOMA	END	1330	15	19950	R - Residential/Local	O - AC/AC	15	0
3022	1	LOMA LINDA COURT	ARDOR DRIVE	END	580	24	13920	R - Residential/Local	A - AC	22	0
5203	1A	LOMA VISTA DR. (2345C)	EL TOYONAL (WEST)	EL DORADO LN	1360	18	24480	C - Collector	O - AC/AC	89	28
5203	2	LOMA VISTA DR. (2345C)	EL DORADO LN	EL TOYONAL (EAST)	1586	18	28548	C - Collector	A - AC	82	17
A17001	1A	LOMAS CANTADAS	CITY LIMITS	TRES MESAS	2028	22	44616	C - Collector	A - AC	56	7
A17001	2	LOMAS CANTADAS	TRES MESAS	LAS PIEDRAS	1367	22	30074	C - Collector	A - AC	72	12
9201	1A	LOMBARDY LN. (2554)	MINER ROAD	TARRY LANE	1136	23	26128	C - Collector	A - AC	40	3
9201	2	LOMBARDY LN. (2554)	TARRY LANE	VAN RIPPER (S)	1367	23	31441	C - Collector	O - AC/AC	87	30
9201	3	LOMBARDY LN. (2554)	VAN RIPPER (S)	VAN RIPPER (N)	1369	23	31487	C - Collector	O - AC/AC	91	29
9201	4	LOMBARDY LN. (2554)	VAN RIPPER (N)	DALEWOOD DR	1238	23	28474	C - Collector	O - AC/AC	93	30
3019	1	LONGVIEW TERRACE	ORCHARD ROAD FRONTAGE	BULB BOTH ENDS	331	20	6620	R - Residential/Local	O - AC/AC	87	37
8104	1	LOS ALTOS (2354C)	CAMINO DON MIGUEL	BOBOLINK RD.	385	22	8470	R - Residential/Local	A - AC	12	0
5003	1	LOS AMIGOS (2345L)	CAMINO PABLO	CUL-DE-SAC	484	22	10648	R - Residential/Local	A - AC	5	0
3138	10	LOST VALLEY DRIVE	EDGEWOOD RD	SNOW CT	622	34	21148	R - Residential/Local	A - AC	42	6
3138	11	LOST VALLEY DRIVE	SNOW CT	CUL-DE-SAC	310	34	11508	R - Residential/Local	A - AC	12	0
3138	5	LOST VALLEY DRIVE	PGE SUBSTATION	700' W OF PGE SUBSTATION	700	24	16800	R - Residential/Local	A - AC	6	0

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3138	6	LOST VALLEY DRIVE	880' W/DON GABRIEL WAY	PL BET. 17/19 LOST VALLEY DR	1020	24	24480	R - Residential/Local	A - AC	37	4
3138	7	LOST VALLEY DRIVE	PL BET. 17/19 LOST VALLEY DR	LOST VALLEY CT	800	24	19200	R - Residential/Local	A - AC	16	0
3138	8	LOST VALLEY DRIVE	LOST VALLEY CT	KENMORE CT	290	24	6960	R - Residential/Local	A - AC	50	10
3138	9	LOST VALLEY DRIVE	KENMORE CT	EDGEWOOD RD	487	34	16558	R - Residential/Local	A - AC	10	0
8001	2	MANZANITA DR. (2354A)	CREEK BRIDGE	END (PRIVATE ST.)	3360	20	67200	R - Residential/Local	A - AC	30	2
8001	1	MANZANITA DR. (2445F)	CAMINO PABLO	CREEK BRIDGE	580	22	12760	R - Residential/Local	A - AC	34	3
5002	1	MARSTON RD. (2345N)	MONTE VISTA RD.	CUL-DE-SAC	1025	16	16400	R - Residential/Local	A - AC	37	4
12017	1	MARTHA RD. (2745H)	GLORIETTA BLVD.	HILLCREST RD.	500	33	16500	O - Other	O - AC/AC	91	37
12017	2	MARTHA RD. (2745H)	HILLCREST RD.	CLU DE SAC	1600	33	52800	R - Residential/Local	A - AC	29	1
12040	1	MEADOW CT. (2745 D)	MEADOW LN.	CUL-DE-SAC	480	18	8640	R - Residential/Local	A - AC	59	14
12039	1	MEADOW LN. (2745 N)	GLORIETTA BLVD.	MEADOW VIEW RD.	1380	27	37260	R - Residential/Local	A - AC	71	21
12041	1	MEADOW PARK CT. (2835Z)	GLORIETTA BLVD.	END	1200	25	30000	R - Residential/Local	O - AC/AC	94	38
12042	1	MEADOW VIEW RD. (2745Q)	CUL DE SAC EAST OF GLORIETTA BLVD	GLORIETTA BLVD	1290	22	28380	R - Residential/Local	A - AC	30	2
12042	2	MEADOW VIEW RD. (2745Q)	GLORIETTA BLVD	CUL DE SAC WEST OF GLORIETTA BLVD	1730	22	38060	R - Residential/Local	A - AC	0	0
4121	1	MEADOWLANDS COURT	MORAGA WAY	CUL-DE-SAC	128	24	3072	R - Residential/Local	O - AC/AC	94	38
7001	1A	MINER RD. (2444C)	CAMINO PABLO	BIEN VENIDA	1480	25	37000	A - Arterial	O - AC/AC	43	5
7001	1B	MINER RD. (2444C)	BIEN VENIDA	CAMINO DON MIGUEL	1895	25	47375	A - Arterial	O - AC/AC	52	8
7001	1C	MINER RD. (2444C)	CAMINO DON MIGUEL	LOMBARDY LN	2130	25	53250	A - Arterial	O - AC/AC	57	10
7001	2A	MINER RD. (2444C)	LOMBARDY LN	TIGERTAIL CT	2345	23	53935	C - Collector	O - AC/AC	89	28
7001	2B	MINER RD. (2444C)	TIGERTAIL CT	SYCAMORE RD	2075	23	47725	C - Collector	O - AC/AC	65	15
7001	2C	MINER RD. (2444C)	SYCAMORE RD	PAVT CHANGE	920	23	21160	C - Collector	O - AC/AC	89	28
7001	3A	MINER RD. (2444C)	PAVT CHANGE	GARDINER CT.	1630	21	34230	C - Collector	A - AC	31	1
7001	3B	MINER RD. (2444C)	GARDINER CT.	HONEY HILL RD.	810	21	17010	C - Collector	A - AC	94	23
7001	4A	MINER RD. (2444C)	HONEY HILL RD.	LONGWORTH	1050	20	21000	R - Residential/Local	A - AC	17	0
7001	4B	MINER RD. (2444C)	LONGWORTH	DIABLO VIEW DR	1430	20	28600	R - Residential/Local	A - AC	14	0
20080	1	MIRA FLORES	LAS VEGAS	EL GAVILAN	227	18	4086	R - Residential/Local	A - AC	25	0
7102	1	MIRA LOMA (2545G)	CAMINO SOBRANTE	LINDA VISTA	1010	19	19190	R - Residential/Local	O - AC/AC	16	0
5001	1	MONTE VISTA RD (2345M)	CAMINO PABLO	PRIVATE STREET	2900	20	58000	R - Residential/Local	A - AC	26	0
12032	1	MORAGA CT. (2745 AA)	MORAGA WAY	CUL-DE-SAC	180	24	4320	R - Residential/Local	O - AC/AC	28	1
3025	1	MORAGA VIA	VIRGINIA DRIVE	WOODCREST DRIVE (PVT)	601	20	12020	R - Residential/Local	A - AC	5	0
3025	2	MORAGA VIA	WOODCREST DRIVE	RUSTIC WAY	695	22	15290	R - Residential/Local	A - AC	4	0
3025	3	MORAGA VIA	RUSTIC WAY	RHEEM BLVD	834	19	15846	R - Residential/Local	O - AC/AC	94	38
3025	4	MORAGA VIA	GLORIETTA BLVD.	VIRGINIA DRIVE	911	21	19131	R - Residential/Local	O - AC/AC	14	0
A12001	1AA	MORAGA WAY	BRYANT WAY	NORTHWOOD DR	580	60	34800	A - Arterial	O - AC/AC	89	28
A12001	1B	MORAGA WAY	NORTHWOOD DR	CAMINO PABLO	290	57	16530	A - Arterial	O - AC/AC	89	28
A12001	1C	MORAGA WAY	CAMINO PABLO	OVERHILL RD	510	38	19380	A - Arterial	O - AC/AC	89	28
A12001	2	MORAGA WAY	OVERHILL RD	CAMINO ENCINAS (N)	1385	38	52630	A - Arterial	O - AC/AC	89	28
A12001	3	MORAGA WAY	CAMINO ENCINAS	LLOYD LN	1445	38	54910	A - Arterial	O - AC/AC	91	29
A12001	4	MORAGA WAY	LLOYD LN	BROOKSIDE RD	1518	38	57684	A - Arterial	O - AC/AC	91	29
A12001	5	MORAGA WAY	BROOKSIDE RD	GLORIETTA BLVD	2058	38	78204	A - Arterial	O - AC/AC	91	29
A12002	1	MORAGA WAY	GLORIETTA BLVD	ORCHARD RD	1849	42	77658	A - Arterial	O - AC/AC	89	32
A12002	2	MORAGA WAY	ORCHARD RD	VALLEY VIEW DR	1667	42	70014	A - Arterial	O - AC/AC	91	29
A12002	3	MORAGA WAY	VALLEY VIEW DR	WOODLAND RD	1082	42	45444	A - Arterial	O - AC/AC	91	29
A12002	4	MORAGA WAY	WOODLAND RD	IVY DR (WEST)	1092	42	45864	A - Arterial	O - AC/AC	91	29
A12002	5	MORAGA WAY	IVY DR (WEST)	SOUTHWAITE CT	1013	42	42546	A - Arterial	O - AC/AC	91	29
A12002	6	MORAGA WAY	SOUTHWAITE CT	CAMINO MORAGA	1425	42	59850	A - Arterial	O - AC/AC	91	29

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A12003	1A	MORAGA WAY	CAMINO MORAGA	CORAL DR	1824	32	58368	A - Arterial	O - AC/AC	91	29
A12003	2	MORAGA WAY	CORAL DR	IVY DR (EAST)	1776	32	56832	A - Arterial	O - AC/AC	91	29
11002	1A	MUTH DR. (2745AM)	BATES BLVD (W)	WARFORD TERR	2367	26	61542	R - Residential/Local	A - AC	44	7
11002	2	MUTH DR. (2745AM)	WARFORD TERR	WANDA LN	1852	26	48152	R - Residential/Local	A - AC	25	0
11002	3	MUTH DR. (2745AM)	WANDA LN	BATES BLVD (E)	1126	26	29276	R - Residential/Local	A - AC	43	7
20190	1	NONIE RD.	TARA RD	END	185	15	2775	R - Residential/Local	O - AC/AC	94	38
9002	1	NORMANDY LN.(2555M)	SLEEPY HOLLOW LN.	RIDGE LN.	1290	20	25800	R - Residential/Local	A - AC	10	0
5302	1	NORTH LANE	CAMINO PABLO	ARDILLA ROAD	830	21	17430	R - Residential/Local	A - AC	36	4
12004	1	NORTHWOOD CT. (2745X)	NORTHWOOD DR.	CUL-DE-SAC	300	22	6600	R - Residential/Local	O - AC/AC	75	25
12003	1	NORTHWOOD DR. (2744D)	MORAGA WAY	DAVIS RD.	420	20	8400	R - Residential/Local	O - AC/AC	89	36
3139	1	OAK DRIVE	MORAGA WAY	1000' W/MORAGA WAY	1000	20	20000	R - Residential/Local	A - AC	82	28
3139	2	OAK DRIVE	1000' W/MORAGA WAY	CUL-DE-SAC	1421	18	25578	R - Residential/Local	A - AC	74	23
6203	1	OAK FLAT RD. (2755C)	CHARLES HILL RD.	CUL-DE-SAC	390	12	4680	R - Residential/Local	A - AC	51	11
7003	1	OAK LANE (2655C)	MINER RD.	END	230	13	2990	R - Residential/Local	O - AC/AC	94	38
11009	1	OAKRIDGE COURT (2745AU)	TAHOS RD.	CUL-DE-SAC	480	22	10560	R - Residential/Local	A - AC	22	0
12024	1	OAKWOOD RD.	ORCHARD RD.	CUL-DE-SAC	1800	24	43200	R - Residential/Local	A - AC	13	0
A11005	1	OLD CAMINO PABLO	END - WEST OF CLAREMONT	EAST - EAST OF CLAREMONT	394	18	7092	R - Residential/Local	A - AC	45	7
A11005	2	OLD CAMINO PABLO	NORTH LANE	ARDILLA ROAD	1139	20	22780	R - Residential/Local	A - AC	89	32
12031	1	ORCHARD CT. (2745 Z)	MORAGA WAY	CUL-DE-SAC	120	27	3240	R - Residential/Local	A - AC	15	0
12029	1A	ORCHARD RD. (2945 D)	MORAGA WAY	BROOKSIDE ROAD	2609	21	54789	R - Residential/Local	A - AC	29	1
12029	2	ORCHARD RD. (2945 D)	BROOKSIDE ROAD	SCENIC DRIVE	1143	21	24003	R - Residential/Local	A - AC	38	5
12029	3	ORCHARD RD. (2945 D)	SCENIC DRIVE	GLORIETTA BLVD	928	21	19488	R - Residential/Local	A - AC	44	7
3028	1	ORCHARD ROAD	GLORIETTA BLVD	1000' E/GLORIETTA BLVD	1000	21	21000	R - Residential/Local	A - AC	65	17
3028	2	ORCHARD ROAD	1000' E/GLORIETTA BLVD	CORTE BOMBERO	906	21	19026	R - Residential/Local	A - AC	37	4
3028	3	ORCHARD ROAD	CORTE BOMBERO	MORAGA WAY	382	21	8022	R - Residential/Local	O - AC/AC	94	38
A15001	1	ORINDA WAY	END	SANTA MARIA WAY	195	52	10740	R - Residential/Local	A - AC	75	26
A15001	2	ORINDA WAY	SANTA MARIA WAY	682FT N/O SANTA MARIA WAY	682	50	34100	A - Arterial	A - AC	72	18
A15001	3	ORINDA WAY	682FT N/O SANTA MARIA WAY	1700FT N/O SANTA MARIA WAY	1018	50	50900	A - Arterial	A - AC	73	19
A15001	4	ORINDA WAY	1700FT N/O SANTA MARIA WAY	CAMINO PABLO	1104	50	55200	A - Arterial	A - AC	60	11
6001	1A	ORINDAWOODS DR.(2545AM)	ALTARINDA RD	KITE HILL RD	1543	25	38575	C - Collector	A - AC	48	5
6001	2	ORINDAWOODS DR.(2545AM)	KITE HILL RD	GREYSTONE TERR.	1516	25	37900	C - Collector	A - AC	67	10
6001	3	ORINDAWOODS DR.(2545AM)	GREYSTONE TERR.	E. ALTARINDA	1019	25	25475	C - Collector	A - AC	73	13
8004	1	ORIOLE RD. (2445E)	BOBOLINK RD.	CUL-DE-SAC	200	21	4200	R - Residential/Local	A - AC	9	0
12011	1	OVERHILL COURT	OVERHILL RD.	CUL-DE-SAC	240	20	4800	R - Residential/Local	A - AC	53	11
12010	1A	OVERHILL RD. (2744G)	MORAGA WAY	WESTWOOD CT	1186	22	26092	C - Collector	A - AC	32	1
12010	2	OVERHILL RD. (2744G)	WESTWOOD CT	HIGHLAND COURT	1868	22	41096	C - Collector	A - AC	74	13
12010	3	OVERHILL RD. (2744G)	HIGHLAND COURT	BROADVIEW TERR	1242	22	27324	C - Collector	A - AC	31	1
12010	4	OVERHILL RD. (2744G)	BROADVIEW TERR	TARA RD	1066	22	23452	C - Collector	A - AC	32	1
12010	5	OVERHILL RD. (2744G)	TARA RD	241 OVERHILL RD	1003	22	22066	C - Collector	A - AC	24	0
12010	6	OVERHILL RD. (2744G)	241 OVERHILL RD	GLORIETTA BLVD	1175	22	25850	C - Collector	A - AC	49	5
12028	1	OWL HILL CT. (2745 AH)	OWL HILL RD.	CUL-DE-SAC	180	22	3960	R - Residential/Local	A - AC	37	4
12027	1	OWL HILL RD. (2745 AF)	OAK WOOD RD.	ESTATES DR.	1800	24	43200	R - Residential/Local	A - AC	29	1
12036	1	PARKLANE DR. (2847 C)	GLORIETTA BLVD. (W)	GLORIETTA BLVD. (E)	1800	22	39600	R - Residential/Local	O - AC/AC	94	38
12035	1	PARKWAY CT. (2847 B)	GLORIETTA BLVD.	END	960	22	21120	R - Residential/Local	A - AC	49	9
4137	1	PICO COURT	LA CRESTA ROAD	CUL-DE-SAC	285	20	5700	R - Residential/Local	O - AC/AC	76	27
5107	1	PIEDMONT AVENUE	CRESCENT DR.	CLAREMONT AVE.	365	18	6570	R - Residential/Local	O - AC/AC	77	27

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4005	1	PUEBLO COURT	IVY DRIVE	CUL-DE-SAC	247	24	5928	R - Residential/Local	A - AC	74	23
4007	1	RAE COURT	FIESTA CIRCLE	CUL-DE-SAC	115	26	2990	R - Residential/Local	A - AC	7	0
4006	1	RAE DRIVE	FIESTA CIRCLE	CUL-DE-SAC	292	34	9928	R - Residential/Local	A - AC	12	0
4003	1	RAMONA DRIVE	IVY DRIVE	ARROYO DRIVE	1063	23	24449	R - Residential/Local	A - AC	21	0
7005	1	RANCH RD. (2655D)	MINER RD.	END	700	15	10500	R - Residential/Local	A - AC	13	0
10003	1	REDCOACH LN. (2555X)	DALEWOOD DR.	CUL-DE-SAC	390	29	11310	R - Residential/Local	A - AC	6	0
3023	1	RHEEM BLVD	CITY LIMITS	ZANDER DRIVE	834	39	32526	A - Arterial	O - AC/AC	89	28
3023	2	RHEEM BLVD	ZANDER DRIVE	1066' W/ZANDER DRIVE	1066	26	27716	A - Arterial	O - AC/AC	86	28
3023	3	RHEEM BLVD	1066' W/ZANDER DRIVE	CAROLYN COURT	1048	26	27248	A - Arterial	O - AC/AC	84	26
3023	4	RHEEM BLVD	CAROLYN COURT	HALL DRIVE	1096	26	28496	A - Arterial	O - AC/AC	80	23
3023	5	RHEEM BLVD	HALL DRIVE	MORAGA VIA	675	26	17550	A - Arterial	O - AC/AC	69	15
3023	6	RHEEM BLVD	MORAGA VIA	GLORIETA BLVD	1338	26	34788	A - Arterial	A - AC	83	21
3132	1	RICHARD COURT	VALLEY VIEW DRIVE	CUL-DE-SAC	278	15	4170	R - Residential/Local	A - AC	87	31
20330	1	RIDGE GATE ROAD	VILLAGE GATE ROAD	CUL-DE-SAC	580	25	14500	R - Residential/Local	A - AC	63	16
9003	1	RIDGE LN. (2555N)	NORMANDY LN.	BULB BOTH ENDS	740	18	13320	R - Residential/Local	A - AC	10	0
4010	1	RISA COURT	IVY DRIVE	CUL-DE-SAC	670	25	16750	R - Residential/Local	A - AC	77	24
4134	1	RITA WAY	DONNA MARIA WAY	DOLORES WAY	585	23	13455	R - Residential/Local	A - AC	6	0
12044	1	ROBERT RD. (2847 G)	GLORIETTA BLVD.	CITY LIMITS	1500	21	31500	R - Residential/Local	O - AC/AC	69	19
3011	1	RUSTIC WAY	MORAGA VIA	CUL-DE-SAC (ALSO END)	563	16	9008	R - Residential/Local	A - AC	92	33
4014	1	RYDAL COURT	EASTWOOD DRIVE	CUL-DE-SAC	143	25	3575	R - Residential/Local	A - AC	9	0
4133	1	SAGER COURT	DONNA MARIA WAY	CUL-DE-SAC	357	25	8925	R - Residential/Local	A - AC	86	30
12034	1	SALLY ANN RD. (2847 A)	GLORIETTA BLVD.	PARKWAY CT.	900	18	16200	R - Residential/Local	A - AC	21	0
8105	1	SANTA LUCIA (2445H)	CAMINO DON MIGUEL	CUL-DE-SAC	435	20	8700	R - Residential/Local	O - AC/AC	94	38
6015	2	SANTA MARIA WY.	CAMINO PABLO	ORINDA WAY	190	50	9500	A - Arterial	A - AC	70	17
6015	1	SANTA MARIA WY. (2544B)	ORINDA WAY	ALTARINDA RD	426	50	21300	C - Collector	O - AC/AC	70	18
6015	3	SANTA MARIA WY. (2544B)	ALTARINDA ROAD	SANTA MARIA WAY (PRIVATE)	327	38	12426	R - Residential/Local	O - AC/AC	94	38
12021	1	SCENIC CT. (2745 O)	SCENIC DR.	CUL-DE-SAC	240	17	4080	R - Residential/Local	A - AC	73	22
12019	1A	SCENIC DR. (2745 C)	OVERHILL ROAD	NORTHERLY PROP LINE 68 SCENIC	2995	26	77870	R - Residential/Local	A - AC	48	9
12019	2	SCENIC DR. (2745 C)	NORTHERLY PROP LINE 68 SCENIC	ORCHARD ROAD	1685	26	43810	R - Residential/Local	A - AC	30	2
10009	1	SILVEROAK TR(2555AE)	SUNDOWN TR.	CUL-DE-SAC	657	29	19053	R - Residential/Local	A - AC	32	2
11008	1	SILVERWOOD CT.(2745AX)	TAHOS RD.	CUL-DE-SAC	300	29	8700	R - Residential/Local	A - AC	49	9
20200	1	SILVERWOOD RD.	TAHOS RD	CITY LIMIT	2420	29	70180	R - Residential/Local	A - AC	85	29
10006	1	SINGINGWOOD LN.(2555AB)	AMBER VALLEY DR.	CUL-DE-SAC	635	29	18415	R - Residential/Local	A - AC	22	0
9001	1A	SLEEPY HOLLOW LN (2555K)	LOMBARDY LANE	SOUTHERLY EDGE NORMANDY LANE	3002	22	66044	O - Other	O - AC/AC	93	38
9001	2	SLEEPY HOLLOW LN (2555K)	SOUTHERLY EDGE NORMANDY LANE	TARRY LANE	1693	22	37246	O - Other	O - AC/AC	94	38
20295	1	SNOW COURT	LOST VALLEY DR	CUL-DE-SAC	600	30	18000	R - Residential/Local	A - AC	26	0
9104	1	SNOWBERRY LN.(2555R)	TARRY LN	CUL-DE-SAC	670	20	13400	R - Residential/Local	A - AC	94	34
4028	1	SOUTHWAITE COURT	MORAGA WAY	CUL-DE-SAC	822	33	27126	R - Residential/Local	O - AC/AC	94	38
12002	1	SOUTHWOOD CT. (2745T)	SOUTHWOOD DR.	CUL-DE-SAC	360	23	8280	R - Residential/Local	A - AC	64	17
12001	1A	SOUTHWOOD DR.(2745AZ)	MORAGA WAY	TARA RD	1600	20	32000	C - Collector	O - AC/AC	74	20
12001	2	SOUTHWOOD DR.(2745AZ)	TARA RD	CUL-DE-SAC	620	20	12400	R - Residential/Local	O - AC/AC	86	40
12001	3	SOUTHWOOD DR.(2745AZ)	Bates Blvd.	End	180	35	6300	R - Residential/Local	A - AC	18	0
14003	1	SPRING RD.(2645B)	BROOKWOOD RD.	BEATRICIA RD.	1200	23	27600	R - Residential/Local	A - AC	36	4
9209	1	ST. JAMES CT. (2555E)	VAN RIPPER LANE	CUL-DE-SAC	790	19	15010	R - Residential/Local	A - AC	46	8
6101	1	ST. STEPHENS DR.	HIDDEN VALLEY RD	EL NIDO RANCH RD	716	40	28640	A - Arterial	A - AC	43	5
6101	2	ST. STEPHENS DR.	EL NIDO RANCH RD	LA ESPIRAL	2315	33	76395	C - Collector	A - AC	12	0

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5102	1	STANTON AVE. (2345H)	STANTON CT.	CUL-DE-SAC	980	30	32350	R - Residential/Local	O - AC/AC	70	20
5102	2	STANTON CT.	STANTON AVE.	CUL-DE-SAC	535	25	13375	R - Residential/Local	O - AC/AC	79	30
14010	1	STEIN WAY	MORAGA WAY	OAK RD.	1140	30	34200	R - Residential/Local	A - AC	79	28
14010	2	STEIN WAY	OAK RD.	KNICKERBOCKER LN.	1290	30	38700	R - Residential/Local	A - AC	74	22
20090	1	STRAWBERRY HOLLOW	CHARLES HILL ROAD	END	248	17	4216	R - Residential/Local	A - AC	0	0
10008	1	SUNDOWN TR. (2555AD)	DALEWOOD DR. (PRIVATE ST.)	HAPPY VALLEY RD.	1850	33	61050	R - Residential/Local	A - AC	29	1
9207	1	SUNNYSIDE CT. (2555U)	SUNNYSIDE LANE	CUL-DE-SAC	360	24	8640	R - Residential/Local	A - AC	22	0
9205	1	SUNNYSIDE LN. (2555T)	VAN TASSEL LANE	END	1780	23	40940	R - Residential/Local	O - AC/AC	37	5
11007	1	TAHOS RD. (2745AS)	WANDA LANE	NORTHERLY PROP LINE 445 TAHOS	1789	24	42936	R - Residential/Local	A - AC	32	2
11007	2	TAHOS RD. (2745AS)	NORTHERLY PROP LINE 445 TAHOS	NORTHERLY PROP LINE 565 TAHOS	1698	24	40752	R - Residential/Local	A - AC	31	2
11007	3	TAHOS RD. (2745AS)	NORTHERLY PROP LINE 565 TAHOS	CUL DE SAC	1613	24	38712	R - Residential/Local	A - AC	38	5
9103	1	TAPPAN CT. (2555J)	TAPPAN LN.	CUL-DE-SAC	568	19	10792	R - Residential/Local	O - AC/AC	12	0
9102	1	TAPPAN LN. (2555G)	TARRY LN.	PVT. SECT. TAPPAN LN.	3450	23	79350	R - Residential/Local	O - AC/AC	29	1
12006	1A	TARA RD. (2744F)	SOUTHWOOD DR	TARABROOK DR	940	25	23500	C - Collector	O - AC/AC	91	29
12006	2	TARA RD. (2744F)	TARABROOK DR	NONIE RD	1409	25	35225	C - Collector	O - AC/AC	91	29
12006	3	TARA RD. (2744F)	NONIE RD	OVERHILL RD	937	25	23425	C - Collector	A - AC	51	6
12007	1	TARABROOK DR. (2745AZ)	TARA RD.	CUL-DE-SAC	1440	31	44640	R - Residential/Local	A - AC	25	0
9101	1A	TARRY LN. (2555H)	LOMBARDY LN	SLEEPY HOLLOW LN.	500	19	9500	O - Other	A - AC	82	28
9101	1B	TARRY LN. (2555H)	SLEEPY HOLLOW LN.	53 TARRY LN.	2630	19	49970	R - Residential/Local	A - AC	21	0
9101	2	TARRY LN. (2555H)	53 TARRY LN.	VAN TASSEL LN.	1140	19	21660	R - Residential/Local	A - AC	35	3
4025	1	TOTTERDELL COURT	ARDITH DRIVE	CUL-DE-SAC	538	25	13450	R - Residential/Local	O - AC/AC	74	27
14004	1	UNDERHILL RD.(2645C)	SPRING RD.	CAMINO ENCINAS	1800	18	32400	R - Residential/Local	A - AC	49	9
4142	1	VALENCIA ROAD	DON GABRIEL WAY	865' NIDON GABRIEL WAY	865	21	18165	R - Residential/Local	O - AC/AC	46	9
4142	2	VALENCIA ROAD	ALTAMOUNT DRIVE	865' SIDON GABRIEL WAY	865	21	18165	R - Residential/Local	O - AC/AC	44	8
12023	1	VALLEY CT. (2745 BC)	VALLEY DR.	CUL-DE-SAC	240	29	6960	R - Residential/Local	A - AC	35	3
12022	1	VALLEY DR. (2835 B)	SCENIC DR.	HEATHER LN.	2100	21	44100	R - Residential/Local	A - AC	13	0
3138	1	VALLEY VIEW DRIVE	MORAGA WAY	RICHARD COURT	470	28	13160	C - Collector	O - AC/AC	91	29
3138	2	VALLEY VIEW DRIVE	RICHARD COURT	WOODLAND ROAD	840	29	24360	C - Collector	A - AC	20	0
3138	3	VALLEY VIEW DRIVE	WOODLAND ROAD	840' WWOODLAND ROAD	840	25	21000	C - Collector	A - AC	18	0
3138	4	VALLEY VIEW DRIVE	840' WWOODLAND ROAD	PGE SUBSTATION	1020	25	25500	C - Collector	A - AC	35	2
7004	1	VALLEY VIEW RD.	MINER RD.	CUL-DE-SAC	1685	24	40440	R - Residential/Local	A - AC	21	0
9208	1	VAN RIPPER LN. (2555B)	LOMBARDY LANE	VAN TASSEL LANE	3840	19	72960	R - Residential/Local	A - AC	30	2
9202	1A	VAN TASSEL LN. (2555F)	LOMBARDY LANE	CENTERLINE VAN RIPPER	1635	20	32700	R - Residential/Local	A - AC	50	10
9202	2	VAN TASSEL LN. (2555F)	CENTERLINE VAN RIPPER	CENTERLINE SUNNYSIDE	1271	20	25420	R - Residential/Local	A - AC	43	7
9202	3	VAN TASSEL LN. (2555F)	CENTERLINE SUNNYSIDE	TARRY LANE	874	20	17480	R - Residential/Local	A - AC	34	3
12046	1	VASHELL WAY	Moraga Way	Davis Road	380	18	6840	R - Residential/Local	A - AC	30	2
9206	1	VIA CALLADOS (2555V)	SUNNYSIDE LANE	CUL-DE-SAC	340	24	8160	R - Residential/Local	A - AC	47	9
7104	1	VIA FARALLON (2545D)	MIRA LOMA	LA CUESTA	1220	16	19520	R - Residential/Local	A - AC	15	0
6102	2	VIA FLOREADO 2545Q	VIA FLOREADO STA. 2890	LAS VEGAS	1070	17	18190	R - Residential/Local	O - AC/AC	65	20
6102	1	VIA FLOREADO 2545Q	ST. STEVENS DR.	VIA FLOREADO STA. 2890	2890	25	72250	R - Residential/Local	O - AC/AC	76	26
7207	1	VIA HERMOSA (2545J)	LA ESPIRAL	LOOP END	2000	16	32000	R - Residential/Local	O - AC/AC	27	1
6207	1	VIA LAS CRUCES	HONEY HILL RD.	LAS VEGAS RD.	730	29	21170	C - Collector	A - AC	35	2
12016	1	VIANNE CT. (2745Y)	HILLCREST DR.	CUL-DE-SAC	300	22	6600	R - Residential/Local	O - AC/AC	49	10
20320	1	VILLAGE GATE ROAD	ORINDA WOODS DR.	VILLAGE GATE/WATCHWOOD RD.	1960	25	49000	R - Residential/Local	A - AC	72	21
3026	1	VIRGINIA DRIVE	GLORIETTA BLVD	MORAGA VIA	766	19	14554	R - Residential/Local	A - AC	9	0
8102	1	VISTA DEL MAR(2445K)	CAMINO DON MIGUEL	DEL MAR COURT	815	25	20375	R - Residential/Local	O - AC/AC	94	38

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8102	2	VISTA DEL MAR(2445K)	DEL MAR COURT	PRIVATE ROAD	460	25	11500	R - Residential/Local	A - AC	9	0
5206	1	VISTA DEL ORINDA	EL TOYONAL	LAS PIEDRAS	380	22	8360	C - Collector	A - AC	84	18
11006	1	WANDA LANE (2745AR)	HIDDEN VALLEY RD.	MUTH DR.	1020	25	25500	R - Residential/Local	O - AC/AC	94	38
4016	1	WANFLETE CT	CORAL DRIVE	CUL-DE-SAC	397	25	9925	R - Residential/Local	A - AC	22	0
11003	1	WARFORD TR. (2745AN)	MUTH DR.	CUL-DE-SAC	1920	27	51840	R - Residential/Local	A - AC	11	0
9004	1	WASHINGTON LN. (2555L)	SLEEPY HOLLOW LANE	END	533	21	11193	O - Other	O - AC/AC	93	38
20340	1	WATCHWOOD CT.	WATCHWOOD RD.	END OF WATCHWOOD CT.	270	25	6750	R - Residential/Local	A - AC	36	4
4026	1	WESTOVER COURT	ARDITH DRIVE	CUL-DE-SAC	385	25	9625	R - Residential/Local	A - AC	13	0
4023	1	WHITEHALL DRIVE	MORAGA WAY	686' EIMORAGA WAY	686	33	22638	R - Residential/Local	A - AC	19	0
4023	2	WHITEHALL DRIVE	ARDITH DRIVE	686' EIMORAGA WAY	686	33	22638	R - Residential/Local	A - AC	48	9
20040	1	WHITEOAK DR.	CITY LIMIT	CUL-DE-SAC	1080	26	28080	R - Residential/Local	A - AC	14	0
20210	2	WILDER RD.	HWY 24 EB ON-RAMP	BRIDGE DECKING (S)	357	26	9282	C - Collector	A - AC	31	1
20210	3	WILDER RD.	BRIDGE DECKING (S)	BRIDGE DECKING (N)	300	25	7500	C - Collector	P - PCC	89	56
20210	4	WILDER RD.	BRIDGE DECKING (N)	190' N. AT FENCE CORNER	190	25	4750	C - Collector	A - AC	32	1
4146	1	WOODLAND ROAD	MORAGA WAY	VALLEY VIEW DRIVE	1000	21	21000	R - Residential/Local	A - AC	16	0
3004	1	ZANDER DRIVE	RHEEM BLVD.	ZANDER COURT	979	29	28391	R - Residential/Local	A - AC	37	4
3004	2	ZANDER DRIVE	ZANDER COURT	ALICE LANE	1339	29	38831	R - Residential/Local	A - AC	1	0

SECTION IV
BUDGET ANALYSIS REPORTS

- A. Budget Needs Report - Five Year**
- B. Average PCI by Annual Funding Chart**
- C. Deferred Maintenance Cost Trend by Annual Funding Chart**
- D. Budget Scenario Cost and Network Summaries**
- E. Annual Work Program – Expected Annual Maintenance**

A. NEEDS – PROJECTED PCI/COST SUMMARY – FIVE YEAR

NEEDS - PROJECTED PCI/COST SUMMARY

This report highlights the impact of projected needs funding (and lack thereof) on pavement system condition. The report also provides a cost estimate of the funding needed to bring the streets to an optimal preventive maintenance level. Finally, an "Untreated PCI" is listed. This value is an accurate portrayal of average street condition.

Year:	Year of Projection
PCI Treated:	Average Street PCI with suggested treatments applied
PCI Untreated:	Present average untreated street PCI for year. This value is most accurate reflection of present PCI
Cost:	Cost per year to apply suggested treatments
PM Cost:	Total cost over the period of analysis spent on preventative maintenance
% PM:	Percent of total cost over the period of analysis spent on preventative maintenance
Total Cost:	Total cost over the period of analysis to bring streets to optimal maintenance level.

SECTION V
BACKUP DATA

- A. Section Description Inventory Report**
- B. Maintenance Treatment Decision Trees**
- C. Inventory of Applied Maintenance**

Needs - Projected PCI/Cost Summary

Inflation Rate = 4.00 % Printed: 09/25/2012

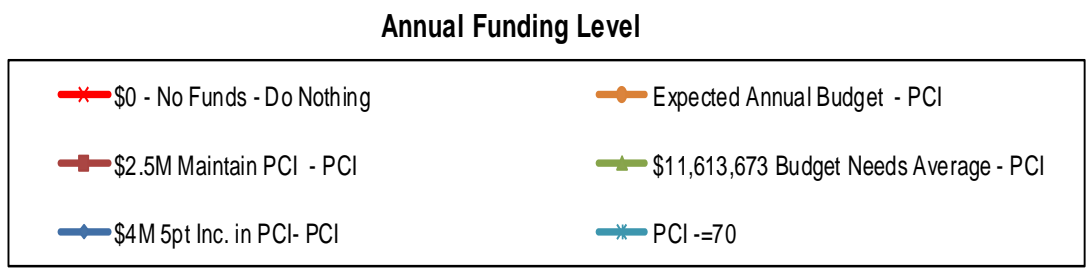
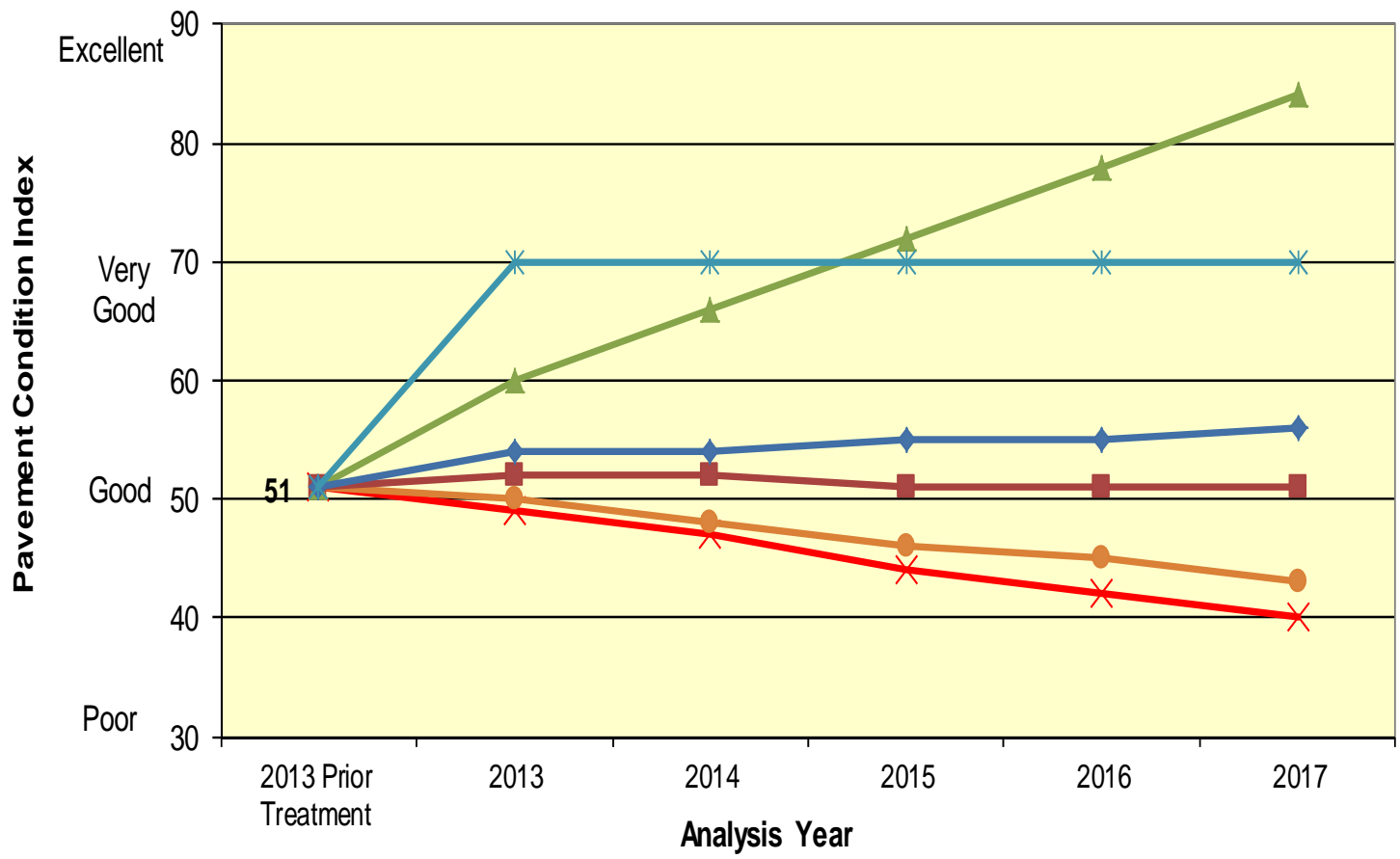
Year	PCI Treated	PCI Untreated	PM Cost	Rehab Cost	Cost
2013	77	49	\$2,019,200	\$31,026,441	\$33,045,641
2014	77	47	\$364,383	\$4,787,581	\$5,151,964
2015	81	44	\$714,031	\$8,631,128	\$9,345,159
2016	83	42	\$278,486	\$5,818,829	\$6,097,315
2017	84	40	\$5,928	\$4,422,359	\$4,428,287
		<u>% PM</u>	<u>PM Total Cost</u>	<u>Rehab Total Cost</u>	<u>Total Cost</u>
		5.82%	\$3,382,028	\$54,686,338	\$58,068,366

B. AVERAGE PCI BY ANNUAL FUNDING CHART

AVERAGE PAVEMENT CONDITION INDEX (PCI) BY ANNUAL FUNDING LEVEL

This graph compares 5 different annual budget scenarios and their impact on overall pavement condition over a five-year budget analysis period.

Pavement Condition Index by Annual Funding Level

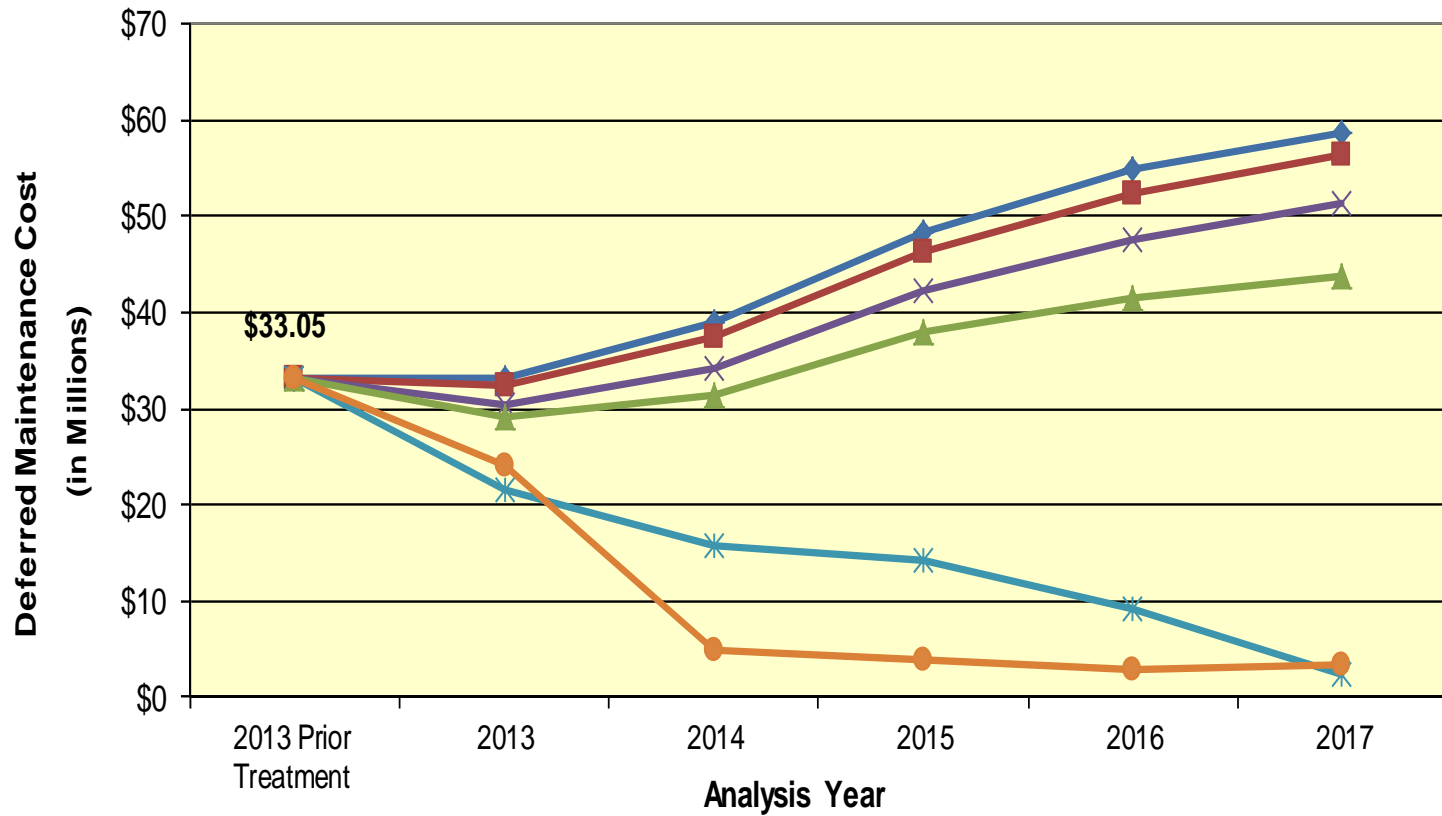


C. DEFERRED MAINTENANCE COST TREND BY ANNUAL FUNDING CHART

DEFERRED MAINTENANCE COST TREND VS. ANNUAL FUNDING LEVEL

This graph compares 5 different annual budget scenarios and their impact on deferred maintenance costs (maintenance backlog) over each year of the five-year budget analysis period. Deferred maintenance is the amount of necessary rehabilitation not performed each year due to budget shortfalls

Deferred Maintenance Cost by Annual Funding Level



Annual Funding Level



D. BUDGET SCENARIO COST AND NETWORK SUMMARIES

SCENARIOS – COST SUMMARY REPORT

A Cost Summary report is provided in this section for each annual budget level analyzed. This specific report indicates the distribution of pavement funding between various condition levels of streets. The top portion of this report shows the interest and inflation assumptions.

The central part of the report lists the analysis year, percentage of that budget that is assigned to preventive maintenance, annual budget, activities distribution of the budget between rehabilitation (by condition category within rehabilitation, preventative maintenance, stop gap, and deferred maintenance costs. Condition Category refers to the MTC defined pavement conditions –Excellent (I), Very Good (II), Good (III), Poor (IV), and Very Poor (V). “Stop Gap” is a factored cost applied for emergency repairs (i.e. pothole repair) needed to minimally maintain a section where a section’s suggested rehabilitation maintenance is deferred. “Funded Stop Gap” refers to the budget amount allocated for stop gap and “Unmet Stop Gap” refers to any deferred stop gap costs. “Deferred” refers to the dollar cost of backlogged rehabilitation. “Surplus PM” values appear if the budget percentage split between rehabilitation and preventive maintenance is too heavily weighted to preventive maintenance. In such a case, the percentage of funding to rehabilitation would be increased.

The bottom part of the report shows a summary of the total costs spent on rehabilitation, preventative maintenance, and stop gap (funded and unmet) according to functional class.

SCENARIOS – NETWORK CONDITION SUMMARY REPORT

This report details present and projected network condition trends based on the annual budget set for an individual scenario. Perhaps the most important piece of information from this report is found on the first page of the report. The table under “Project Network Average PCI by Year” shows what the overall network condition trend is when the suggested treatments are applied in comparison to when the treatments are not applied.

THESE REPORTS ARE PROVIDED FOR EACH OF THE COMPARISON SCENARIOS

Interest: 4.00%

Inflation: 4.00%

Printed: 09/25/2012

Scenario: PTAP-13 - NO FUNDS

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap		
2013	0%	\$0	II	\$0	Non-Project	\$0	\$33,045,542	Funded	\$0
			III	\$0				Unmet	\$0
			IV	\$0				Project	\$0
			V	\$0					
			Total	\$0					
		Project	\$0						
2014	0%	\$0	II	\$0	Non-Project	\$0	\$38,848,864	Funded	\$0
			III	\$0				Unmet	\$0
			IV	\$0				Project	\$0
			V	\$0					
			Total	\$0					
		Project	\$0						
2015	0%	\$0	II	\$0	Non-Project	\$0	\$48,176,340	Funded	\$0
			III	\$0				Unmet	\$0
			IV	\$0				Project	\$0
			V	\$0					
			Total	\$0					
		Project	\$0						
2016	0%	\$0	II	\$0	Non-Project	\$0	\$54,881,452	Funded	\$0
			III	\$0				Unmet	\$0
			IV	\$0				Project	\$0
			V	\$0					
			Total	\$0					
		Project	\$0						
2017	0%	\$0	II	\$0	Non-Project	\$0	\$58,586,307	Funded	\$0
			III	\$0				Unmet	\$0
			IV	\$0				Project	\$0
			V	\$0					
			Total	\$0					
		Project	\$0						

Summary				
Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	\$0	\$0	\$0	\$0
Collector	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0
Residential/Local	\$0	\$0	\$0	\$0
Grand Total:	\$0	\$0	\$0	\$0

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap
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Interest: 4.00%

Inflation: 4.00%

Printed: 09/25/2012

Scenario: PTAP-13 - \$2.6M- MAINTAIN
CURRENT PCI

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap			
2013	6%	\$2,600,000	II	\$385,404	Non-Project	\$161,031	\$0	\$30,446,397	Funded	\$0
			III	\$41,733					Unmet	\$0
			IV	\$2,011,004	Project	\$0				
			V	\$0						
			Total	\$2,438,141						
		Project	\$0							
2014	6%	\$2,600,000	II	\$73,713	Non-Project	\$156,564	\$0	\$34,217,818	Funded	\$0
			III	\$170,824					Unmet	\$0
			IV	\$2,181,565	Project	\$0				
			V	\$15,725						
			Total	\$2,441,827						
		Project	\$0							
2015	6%	\$2,600,000	II	\$300,188	Non-Project	\$159,858	\$0	\$42,331,699	Funded	\$0
			III	\$147,804					Unmet	\$0
			IV	\$1,992,118	Project	\$0				
			V	\$0						
			Total	\$2,440,110						
		Project	\$0							
2016	6%	\$2,600,000	II	\$171,796	Non-Project	\$158,123	\$0	\$47,505,790	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$475,835	Project	\$0				
			V	\$1,793,776						
			Total	\$2,441,407						
		Project	\$0							
2017	6%	\$2,600,000	II	\$187,558	Non-Project	\$157,379	\$0	\$51,301,688	Funded	\$0
			III	\$95,222					Unmet	\$0
			IV	\$271,938	Project	\$0				
			V	\$1,887,002						
			Total	\$2,441,720						
		Project	\$0							

Summary				
Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	\$2,515,631	\$626,327	\$0	\$0
Collector	\$4,245,200	\$146,078	\$0	\$0
Other	\$0	\$189	\$0	\$0
Residential/Local	\$5,442,374	\$20,361	\$0	\$0

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap
Grand Total:			\$12,203,205	\$792,955	\$0	\$0	

Interest: 4.00%

Inflation: 4.00%

Printed: 09/25/2012

Scenario: PTAP-13- \$4M - FIVE POINT INCREASE IN PCI

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap			
2013	6%	\$4,000,000	II	\$385,404	Non-Project	\$239,842	\$158	\$29,046,045	Funded	\$0
			III	\$101,862					Unmet	\$0
			IV	\$3,272,422	Project	\$0				
			V	\$0						
			Total	\$3,759,688						
		Project	\$0							
2014	6%	\$4,000,000	II	\$73,713	Non-Project	\$245,442	\$0	\$31,360,616	Funded	\$0
			III	\$236,382					Unmet	\$0
			IV	\$2,561,804	Project	\$0				
			V	\$881,892						
			Total	\$3,753,791						
		Project	\$0							
2015	6%	\$4,000,000	II	\$300,188	Non-Project	\$243,428	\$0	\$37,960,370	Funded	\$0
			III	\$14,588					Unmet	\$0
			IV	\$467,618	Project	\$0				
			V	\$2,973,983						
			Total	\$3,756,377						
		Project	\$0							
2016	6%	\$4,000,000	II	\$171,796	Non-Project	\$250,207	\$0	\$41,561,387	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$231,125	Project	\$0				
			V	\$3,344,765						
			Total	\$3,747,686						
		Project	\$0							
2017	6%	\$4,000,000	II	\$187,558	Non-Project	\$252,571	\$0	\$43,721,955	Funded	\$0
			III	\$95,222					Unmet	\$0
			IV	\$271,938	Project	\$0				
			V	\$3,190,320						
			Total	\$3,745,038						
		Project	\$0							

Summary				
Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	\$2,502,922	\$1,051,927	\$0	\$0
Collector	\$7,020,880	\$143,350	\$0	\$0
Other	\$0	\$189	\$0	\$0
Residential/Local	\$9,238,778	\$36,024	\$0	\$0

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap
	Grand Total:		\$18,762,580	\$1,231,490	\$0	\$0	

Interest: 4.00%

Inflation: 4.00%

Printed: 09/25/2012

Scenario: PTAP-13 - EXPECTED ANNUAL BUDGET

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap			
2013	6%	\$714,000	II	\$348,819	Non-Project	\$44,264	\$0	\$32,332,367	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$320,109	Project	\$0				
			V	\$0						
			Total Project	\$668,928	\$0					
2014	6%	\$745,000	II	\$37,551	Non-Project	\$48,209	\$0	\$37,538,799	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$658,756	Project	\$0				
			V	\$0						
			Total Project	\$696,307	\$0					
2015	6%	\$777,000	II	\$252,798	Non-Project	\$56,591	\$0	\$46,188,192	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$466,975	Project	\$0				
			V	\$0						
			Total Project	\$719,773	\$0					
2016	6%	\$808,000	II	\$291,571	Non-Project	\$51,046	\$0	\$52,397,800	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$464,637	Project	\$0				
			V	\$0						
			Total Project	\$756,208	\$0					
2017	6%	\$840,000	II	\$193,223	Non-Project	\$49,369	\$1,031	\$56,460,197	Funded	\$0
			III	\$144,086					Unmet	\$0
			IV	\$451,812	Project	\$0				
			V	\$0						
			Total Project	\$789,121	\$0					

Summary				
Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	\$1,724,985	\$171,471	\$0	\$0
Collector	\$1,048,872	\$58,123	\$0	\$0
Other	\$0	\$189	\$0	\$0
Residential/Local	\$856,480	\$19,696	\$0	\$0

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap
	Grand Total:		\$3,630,337	\$249,479	\$0	\$0	

Interest: 4.00%

Inflation: 4.00%

Printed: 09/25/2012

Scenario: PTAP-13 \$11,613,673- BUDGET
NEEDS AVERAGE

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap			
2013	6%	\$11,613,673	II	\$385,404	Non-Project	\$712,325	\$0	\$21,433,055	Funded	\$0
			III	\$205,987					Unmet	\$0
			IV	\$4,766,374	Project	\$0				
			V	\$5,542,449						
			Total	\$10,900,214						
		Project	\$0							
2014	6%	\$11,613,673	II	\$73,713	Non-Project	\$695,933	\$887	\$15,830,447	Funded	\$0
			III	\$128,092					Unmet	\$0
			IV	\$1,008,093	Project	\$0				
			V	\$9,706,086						
			Total	\$10,915,984						
		Project	\$0							
2015	6%	\$11,613,673	II	\$300,188	Non-Project	\$696,542	\$278	\$14,195,920	Funded	\$0
			III	\$14,588					Unmet	\$0
			IV	\$467,618	Project	\$0				
			V	\$10,133,972						
			Total	\$10,916,366						
		Project	\$0							
2016	6%	\$11,613,673	II	\$97,838	Non-Project	\$704,173	\$0	\$9,234,056	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$231,125	Project	\$0				
			V	\$10,580,197						
			Total	\$10,909,160						
		Project	\$0							
2017	6%	\$11,613,673	II	\$0	Non-Project	\$713,341	\$0	\$2,474,608	Funded	\$0
			III	\$0					Unmet	\$0
			IV	\$271,938	Project	\$0				
			V	\$10,576,793						
			Total	\$10,848,731						
		Project	\$0							

Summary				
Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	\$2,502,922	\$1,389,781	\$0	\$0
Collector	\$6,585,534	\$861,985	\$0	\$0
Other	\$1,362,156	\$190,040	\$0	\$0
Residential/Local	\$44,039,843	\$1,080,508	\$0	\$0

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap
	Grand Total:	\$58,012,76	\$54,490,455	\$3,522,314	\$0	\$0	

Target-Driven Scenarios - Cost Summary

Interest: 4%

Inflation: 4%

Printed: 09/25/2012

Scenario: PTAP-13 PCI of 70

Objective: Minimum Network Average PCI: 70.0

Year		Rehabilitation	Preventive Maintenance	Total Cost	Deferred
2013	II	\$385,404	Non-Project	\$2,019,200	\$8,860,883
	III	\$205,987	Project		
	IV	\$4,766,374		\$0	
	V	\$16,807,791			
	Total	\$22,165,556			
2014	II	\$73,713	Non-Project	\$331,943	\$9,437,127
	III	\$128,092	Project		
	IV	\$1,008,093		\$0	
	V	\$3,388,314			
	Total	\$4,598,212			
2015	II	\$300,188	Non-Project	\$747,768	\$15,355,991
	III	\$14,588	Project		
	IV	\$467,618		\$0	
	V	\$2,273,619			
	Total	\$3,056,013			
2016	II	\$83,047	Non-Project	\$274,852	\$19,147,756
	III	\$0	Project		
	IV	\$231,125		\$0	
	V	\$2,327,115			
	Total	\$2,641,287			
2017	II	\$0	Non-Project	\$5,714	\$21,049,246
	III	\$0	Project		
	IV	\$271,938		\$0	
	V	\$3,014,844			
	Total	\$3,286,782			

Functional Class	Rehabilitation	Prev. Maint.	Summary
Arterial	\$2,502,922	\$1,348,155	
Collector	\$6,585,534	\$832,481	
Other	\$1,339,519	\$179,666	
Residential/Local	\$25,319,875	\$1,019,175	
Total:	\$35,747,850	\$3,379,477	Grand Total: \$39,127,327

Interest: 4.00%

Inflation: 4.00%

Printed: 09/25/2012

Scenario: PTAP-13 - \$8,000,000 - PCI=70

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap		
2013	6%	\$8,000,000	II	\$385,404	Non-Project	\$490,137	\$0	Funded	\$0
			III	\$205,987				Unmet	\$0
			IV	\$4,766,374	Project	\$0			
			V	\$2,151,346					
			Total	\$7,509,111					
		Project	\$0						
2014	6%	\$8,000,000	II	\$73,713	Non-Project	\$486,974	\$0	Funded	\$0
			III	\$128,092				Unmet	\$0
			IV	\$1,008,093	Project	\$0			
			V	\$6,301,083					
			Total	\$7,510,981					
		Project	\$0						
2015	6%	\$8,000,000	II	\$300,188	Non-Project	\$486,073	\$0	Funded	\$0
			III	\$14,588				Unmet	\$0
			IV	\$467,618	Project	\$0			
			V	\$6,730,765					
			Total	\$7,513,159					
		Project	\$0						
2016	6%	\$8,000,000	II	\$158,751	Non-Project	\$482,305	\$0	Funded	\$0
			III	\$0				Unmet	\$0
			IV	\$231,125	Project	\$0			
			V	\$7,127,626					
			Total	\$7,517,502					
		Project	\$0						
2017	6%	\$8,000,000	II	\$174,616	Non-Project	\$503,438	\$0	Funded	\$0
			III	\$95,222				Unmet	\$0
			IV	\$271,938	Project	\$0			
			V	\$6,954,261					
			Total	\$7,496,037					
		Project	\$0						

Summary				
Functional Class	Rehabilitation	Prev. Maint.	Funded Stop Gap	Unmet Stop Gap
Arterial	\$2,502,922	\$1,408,644	\$0	\$0
Collector	\$6,723,909	\$732,485	\$0	\$0
Other	\$766,542	\$189	\$0	\$0
Residential/Local	\$27,553,417	\$307,609	\$0	\$0
Grand Total:	\$37,546,790	\$2,448,927	\$0	\$0

Year	PM Amt	Budget	Rehabilitation	Preventative Maintenance	Surplus PM	Deferred	Stop Gap
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Scenarios - Network Condition Summary

Interest: 4%

Inflation: 4%

Printed: 09/25/2012

Scenario: PTAP-13 - NO FUNDS

Year	Budget	PM Amt	Year	Budget	PM Amt	Year	Budget	PM Amt
2013	\$0	0%	2014	\$0	0%	2015	\$0	0%
2016	\$0	0%	2017	\$0	0%			

Projected Network Average PCI by year

Year	<u>Never Treated</u>	<u>With Selected Treatment</u>
2013	49	49
2014	47	47
2015	44	44
2016	42	42
2017	40	40

Percent Network Area by Functional Classification and Condition Class Condition in base year 2013, prior to applying treatments.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	13.2%	8.6%	10.8%	1.5%	34.1%
II / III	3.5%	1.8%	3.7%	0.0%	9.0%
IV	1.5%	2.5%	27.8%	0.7%	32.5%
V	0.0%	2.9%	21.0%	0.5%	24.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2013 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	13.2%	8.6%	10.8%	1.5%	34.1%
II / III	3.5%	1.8%	3.7%	0.0%	9.0%
IV	1.5%	2.5%	27.8%	0.7%	32.5%
V	0.0%	2.9%	21.0%	0.5%	24.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2017 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	12.5%	6.8%	7.4%	1.5%	28.3%
II / III	2.1%	2.6%	6.6%	0.0%	11.3%
IV	3.0%	2.0%	12.8%	0.0%	17.8%
V	0.6%	4.3%	36.5%	1.2%	42.6%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Scenarios - Network Condition Summary

Interest: 4%

Inflation: 4%

Printed: 09/25/2012

Scenario: PTAP-13 - \$2.6M- MAINTAIN
CURRENT PCI

Year	Budget	PM Amt	Year	Budget	PM Amt	Year	Budget	PM Amt
2013	\$2,600,000	6%	2014	\$2,600,000	6%	2015	\$2,600,000	6%
2016	\$2,600,000	6%	2017	\$2,600,000	6%			

Projected Network Average PCI by year

<u>Year</u>	<u>Never Treated</u>	<u>With Selected Treatment</u>
2013	49	52
2014	47	52
2015	44	52
2016	42	51
2017	40	51

Percent Network Area by Functional Classification and Condition Class Condition in base year 2013, prior to applying treatments.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	13.2%	8.6%	10.8%	1.5%	34.1%
II / III	3.5%	1.8%	3.7%	0.0%	9.0%
IV	1.5%	2.5%	27.8%	0.7%	32.5%
V	0.0%	2.9%	21.0%	0.5%	24.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2013 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	15.2%	10.5%	14.8%	1.5%	42.0%
II / III	2.1%	0.9%	2.0%	0.0%	5.0%
IV	0.9%	1.4%	25.6%	0.7%	28.6%
V	0.0%	2.9%	21.0%	0.5%	24.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2017 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	17.9%	13.5%	20.3%	1.5%	53.2%
II / III	0.0%	0.0%	1.9%	0.0%	1.9%
IV	0.3%	0.0%	4.8%	0.0%	5.1%
V	0.0%	2.3%	36.4%	1.2%	39.9%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Scenarios - Network Condition Summary

Interest: 4%

Inflation: 4%

Printed: 09/25/2012

Scenario: PTAP-13- \$4M - FIVE POINT INCREASE IN PCI

Year	Budget	PM Amt	Year	Budget	PM Amt	Year	Budget	PM Amt
2013	\$4,000,000	6%	2014	\$4,000,000	6%	2015	\$4,000,000	6%
2016	\$4,000,000	6%	2017	\$4,000,000	6%			

Projected Network Average PCI by year

<u>Year</u>	<u>Never Treated</u>	<u>With Selected Treatment</u>
2013	49	54
2014	47	54
2015	44	54
2016	42	55
2017	40	56

Percent Network Area by Functional Classification and Condition Class Condition in base year 2013, prior to applying treatments.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	13.2%	8.6%	10.8%	1.5%	34.1%
II / III	3.5%	1.8%	3.7%	0.0%	9.0%
IV	1.5%	2.5%	27.8%	0.7%	32.5%
V	0.0%	2.9%	21.0%	0.5%	24.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2013 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	15.2%	10.5%	17.3%	1.5%	44.5%
II / III	2.1%	0.9%	1.8%	0.0%	4.9%
IV	0.9%	1.4%	23.2%	0.7%	26.2%
V	0.0%	2.9%	21.0%	0.5%	24.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2017 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	17.9%	15.8%	23.6%	1.5%	58.7%
II / III	0.0%	0.0%	1.9%	0.0%	1.9%
IV	0.3%	0.0%	4.8%	0.0%	5.1%
V	0.0%	0.0%	33.1%	1.2%	34.3%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Scenarios - Network Condition Summary

Interest: 4%

Inflation: 4%

Printed: 09/25/2012

Scenario: PTAP-13 - EXPECTED ANNUAL BUDGET

Year	Budget	PM Amt	Year	Budget	PM Amt	Year	Budget	PM Amt
2013	\$714,000	6%	2014	\$745,000	6%	2015	\$777,000	6%
2016	\$808,000	6%	2017	\$840,000	6%			

Projected Network Average PCI by year

<u>Year</u>	<u>Never Treated</u>	<u>With Selected Treatment</u>
2013	49	50
2014	47	48
2015	44	46
2016	42	45
2017	40	43

Percent Network Area by Functional Classification and Condition Class Condition in base year 2013, prior to applying treatments.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	13.2%	8.6%	10.8%	1.5%	34.1%
II / III	3.5%	1.8%	3.7%	0.0%	9.0%
IV	1.5%	2.5%	27.8%	0.7%	32.5%
V	0.0%	2.9%	21.0%	0.5%	24.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2013 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	15.2%	9.4%	12.1%	1.5%	38.3%
II / III	2.1%	0.9%	2.4%	0.0%	5.5%
IV	0.9%	2.5%	27.8%	0.7%	31.9%
V	0.0%	2.9%	21.0%	0.5%	24.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2017 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	17.3%	10.6%	11.7%	1.5%	41.2%
II / III	0.0%	0.0%	2.6%	0.0%	2.6%
IV	0.3%	0.8%	12.5%	0.0%	13.6%
V	0.6%	4.3%	36.5%	1.2%	42.6%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Scenarios - Network Condition Summary

Interest: 4%

Inflation: 4%

Printed: 09/25/2012

Scenario: PTAP-13 \$11,613,673- BUDGET
NEEDS AVERAGE

Year	Budget	PM Amt	Year	Budget	PM Amt	Year	Budget	PM Amt
2013	\$11,613,673	6%	2014	\$11,613,673	6%	2015	\$11,613,673	6%
2016	\$11,613,673	6%	2017	\$11,613,673	6%			

Projected Network Average PCI by year

<u>Year</u>	<u>Never Treated</u>	<u>With Selected Treatment</u>
2013	49	60
2014	47	66
2015	44	72
2016	42	78
2017	40	84

Percent Network Area by Functional Classification and Condition Class Condition in base year 2013, prior to applying treatments.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	13.2%	8.6%	10.8%	1.5%	34.1%
II / III	3.5%	1.8%	3.7%	0.0%	9.0%
IV	1.5%	2.5%	27.8%	0.7%	32.5%
V	0.0%	2.9%	21.0%	0.5%	24.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2013 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	15.2%	13.4%	22.6%	1.5%	52.6%
II / III	2.1%	0.9%	1.6%	0.0%	4.6%
IV	0.9%	1.4%	20.3%	0.7%	23.3%
V	0.0%	0.0%	18.9%	0.5%	19.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2017 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	17.9%	15.8%	54.6%	2.7%	91.0%
II / III	0.0%	0.0%	1.9%	0.0%	1.9%
IV	0.3%	0.0%	4.8%	0.0%	5.1%
V	0.0%	0.0%	2.0%	0.0%	2.0%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Scenario: PTAP-13 PCI of 70

Objective: Minimum Network Average PCI: 70.0

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment
2013	49	70
2014	46	70
2015	44	70
2016	41	70
2017	39	70

Percent Network Area by Functional Classification and Condition Class

Condition in base year 2013, prior to applying treatments.

Condition Class	Arterial	Collector	Res/Loc	Other	Total
I	13.2%	8.6%	10.8%	1.5%	34.1%
II / III	3.5%	1.8%	3.7%	0.0%	9.0%
IV	1.5%	2.5%	27.8%	0.7%	32.5%
V	0.0%	2.9%	21.0%	0.5%	24.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Condition in year 2013 after schedulable treatments applied.

Condition Class	Arterial	Collector	Res/Loc	Other	Total
I	15.2%	13.4%	32.9%	2.1%	63.5%
II / III	2.1%	0.9%	1.6%	0.0%	4.6%
IV	0.9%	1.4%	20.3%	0.7%	23.3%
V	0.0%	0.0%	8.6%	0.0%	8.6%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Condition in year 2017 after schedulable treatments applied.

Condition Class	Arterial	Collector	Res/Loc	Other	Total
I	17.9%	15.8%	39.3%	2.7%	75.7%
II / III	0.0%	0.0%	1.9%	0.0%	1.9%
IV	0.3%	0.0%	4.8%	0.0%	5.1%
V	0.0%	0.0%	17.4%	0.0%	17.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Scenarios - Network Condition Summary

Interest: 4%

Inflation: 4%

Printed: 09/25/2012

Scenario: PTAP-13 - \$8,000,000 - PCI=70

Year	Budget	PM Amt	Year	Budget	PM Amt	Year	Budget	PM Amt
2013	\$8,000,000	6%	2014	\$8,000,000	6%	2015	\$8,000,000	6%
2016	\$8,000,000	6%	2017	\$8,000,000	6%			

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment
2013	49	57
2014	47	60
2015	44	63
2016	42	67
2017	40	70

Percent Network Area by Functional Classification and Condition Class Condition in base year 2013, prior to applying treatments.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	13.2%	8.6%	10.8%	1.5%	34.1%
II / III	3.5%	1.8%	3.7%	0.0%	9.0%
IV	1.5%	2.5%	27.8%	0.7%	32.5%
V	0.0%	2.9%	21.0%	0.5%	24.4%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2013 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	15.2%	12.3%	20.5%	1.5%	49.5%
II / III	2.1%	0.9%	1.6%	0.0%	4.6%
IV	0.9%	1.4%	20.3%	0.7%	23.3%
V	0.0%	1.1%	20.9%	0.5%	22.6%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

Percent Network Area by Functional Classification and Condition Class Condition in year 2017 after schedulable treatments applied.

<u>Condition Class</u>	<u>Arterial</u>	<u>Collector</u>	<u>Res/Loc</u>	<u>Other</u>	<u>Total</u>
I	17.9%	15.8%	39.7%	2.2%	75.6%
II / III	0.0%	0.0%	1.9%	0.0%	1.9%
IV	0.3%	0.0%	4.8%	0.0%	5.1%
V	0.0%	0.0%	16.9%	0.6%	17.5%
Total	18.2%	15.8%	63.3%	2.7%	100.0%

E. ANNUAL WORK PROGRAM – Expected Annual Maintenance Budget

SECTIONS SELECTED FOR TREATMENT

This list is generated from the budget scenario that reflects the most likely annual budget to be achieved. It basically tells you which sections can be treated each year given a constrained budget.

The header portion of the report tells you interest rate, inflation rate, budget level, and preventive maintenance allocation assumptions.

In the top left in bold on the first page you will find the following: **Year: 2012**

A similar type header will be found at the start of each year's suggested treatments for each year of the analysis.

The following are descriptions of fields in this report:

Street Name:	Street Name
Beginning Location:	Beginning location of section
Ending Location:	End location of section
Street ID:	Street Identifier
Section ID:	Section Identifier
FC:	Functional Class (A-Arterial, C-Collector, R-Residential, O - Other)
Surface:	Surface Type - Original Pavement (AC), Overlay (AC/AC), Surface Treatment (ST), and Portland Cement Concrete (PCC)
PCI:	An approximation of what the PCI would be if the recommended treatment was done
Cost:	Cost for entire treatment (based on unit costs defined in decision tree)
Rating:	This number is a ranking of cost-effectiveness by treatment. The number is for ranking purposes only
Treatment:	Suggested treatment for each section with total cost for the type of treatment
Year Total:	At the end of each year's section you will find a total of the treatment costs for that year.

Scenarios - Sections Selected for Treatment

Interest: 4.00%

Inflation: 4.00%

Printed: 10/23/2012

Scenario: PTAP-13 - EXPECTED ANNUAL BUDGET

Year	Budget	PM Amt	Year	Budget	PM Amt	Year	Budget	PM Amt
2013	\$714,000	6%	2014	\$745,000	6%	2015	\$777,000	6%
2016	\$808,000	6%	2017	\$840,000	6%			

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
Year: 2013										
SOUTHWOOD CT. (2745T)	SOUTHWOOD DR.	CUL-DE-SAC	12002	1	R	AC	73	\$7,140	11,868	SLURRY SEAL & DIGOUTS
GREAT OAK CR. (2745 AB)	ORCHARD RD.	CUL-DE-SAC	12033	1	R	AC	86	\$2,277	11,518	SLURRY SEAL & DIGOUTS
BARBARA RD.(2645D)	SPRING RD.	OAK RD.	14005	1	R	AC	77	\$20,694	12,132	SLURRY SEAL & DIGOUTS
RIDGE GATE ROAD	VILLAGE GATE ROAD	CUL-DE-SAC	20330	1	R	AC	73	\$12,503	11,808	SLURRY SEAL & DIGOUTS
ALICE LANE	1000'W/ZANDER DRIVE	DONALD DRIVE	3002	3	R	AC	76	\$24,660	12,077	SLURRY SEAL & DIGOUTS
RHEEM BLVD	ZANDER DRIVE	1066' W/ZANDER DRIVE	3023	2	A	AC/AC	91	\$23,898	31,353	SLURRY SEAL & DIGOUTS
ORCHARD ROAD	GLORIETTA BLVD	1000' E/GLORIETTA BLVD	3028	1	R	AC	74	\$18,107	11,954	SLURRY SEAL & DIGOUTS
CORTE SOMBRITA	IVY DRIVE	CUL-DE-SAC	4002	1	R	AC/AC	78	\$6,286	12,818	SLURRY SEAL & DIGOUTS
CROWN COURT	IVY DRIVE	CUL-DE-SAC	4030	1	R	AC/AC	74	\$6,144	11,539	SLURRY SEAL & DIGOUTS
CLAREMONT AVE (2345G)	CAMINO PABLO	HOLLY LANE	5101	1	R	AC/AC	73	\$36,610	12,573	SLURRY SEAL & DIGOUTS
EL TOYONAL (2254)	LOMA VISTA (WEST)	PAVEMENT CHANGE	5201	5	C	AC/AC	84	\$17,398	18,302	SLURRY SEAL & DIGOUTS
ORINDAWOODS DR. (2545AM)	KITE HILL RD	GREYSTONE TERR.	6001	2	C	AC	75	\$32,679	11,772	SLURRY SEAL & DIGOUTS
CROSSRIDGE CT. (2545AT)	KITE HILL RD.	CUL-DE-SAC	6004	1	R	AC	77	\$3,173	12,135	SLURRY SEAL & DIGOUTS
SANTA MARIA WY. (2544B)	ORINDA WAY	ALTARINDA RD	6015	1	C	AC/AC	78	\$18,366	18,199	SLURRY SEAL & DIGOUTS
HARTFORD RD. (2755D)	CHARLES HILL CIRCLE	END	6205	1	R	AC	78	\$5,174	12,172	SLURRY SEAL & DIGOUTS
MINER RD. (2444C)	TIGERTAIL CT	SYCAMORE RD	7001	2B	C	AC/AC	73	\$41,150	16,792	SLURRY SEAL & DIGOUTS
						Treatment Total		\$276,259		
RHEEM BLVD	HALL DRIVE	MORAGA VIA	3023	5	A	AC/AC	76	\$12,012	24,621	CAPE SEAL
SANTA MARIA WY.	CAMINO PABLO	ORINDA WAY	6015	2	A	AC	77	\$6,503	28,792	CAPE SEAL
EL NIDO RANCH RD (2854)	ST. STEVENS DR.	CITY LIMITS	6208	1	A	AC	78	\$49,003	22,921	CAPE SEAL

** - Treatment from Project Selection

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
CAMINO PABLO	MINER RD	ARDILLA ROAD	A11003	1A	A	AC	72	\$48,615	21,767	CAPE SEAL
Treatment Total								\$116,133		
GLORIETTA BLVD (2731 B)	RHEEM BLVD.	MARTHA RD.	13000	3	A	AC/AC	89	\$1	99,429,352	SEAL CRACKS
GLORIETTA BLVD (2731 B)	MARTHA RD.	OVERHILL RD.	13000	4	A	AC/AC	89	\$1	99,429,352	SEAL CRACKS
BRYANT WAY	MORAGA WAY	DAVIS ROAD	20120	2	A	AC/AC	87	\$26	1,372,493	SEAL CRACKS
LOMA VISTA DR. (2345C)	EL TOYONAL (WEST)	EL DORADO LN	5203	1A	C	AC/AC	87	\$42	953,104	SEAL CRACKS
ALTARINDA CR. (2545AD)	E. ALTARINDA DR.	CUL-DE-SAC	6012	1	R	AC	77	\$46	384,549	SEAL CRACKS
MINER RD. (2444C)	SYCAMORE RD	PAVT CHANGE	7001	2C	C	AC/AC	87	\$37	953,104	SEAL CRACKS
CAMINO PABLO	ORINDA WAY	MINER RD	A11002	3	A	AC	83	\$329	615,563	SEAL CRACKS
MORAGA WAY	BRYANT WAY	NORTHWOOD DR	A12001	1AA	A	AC/AC	87	\$59	1,372,493	SEAL CRACKS
MORAGA WAY	NORTHWOOD DR	CAMINO PABLO	A12001	1B	A	AC/AC	87	\$28	1,372,493	SEAL CRACKS
MORAGA WAY	CAMINO PABLO	OVERHILL RD	A12001	1C	A	AC/AC	87	\$33	1,372,493	SEAL CRACKS
MORAGA WAY	OVERHILL RD	CAMINO ENCINAS (N)	A12001	2	A	AC/AC	87	\$89	1,372,493	SEAL CRACKS
Treatment Total								\$691		
ST. STEPHENS DR.	HIDDEN VALLEY RD	EL NIDO RANCH RD	6101	1	A	AC	100	\$120,607	17,112	MILL AND THICK OVERLAY
MINER RD. (2444C)	BIEN VENIDA	CAMINO DON MIGUEL	7001	1B	A	AC/AC	100	\$199,502	16,287	MILL AND THICK OVERLAY
Treatment Total								\$320,109		
Year 2013 Total								\$713,192		

Year: 2014

AVIS COURT	DONALD DRIVE	CUL-DE-SAC	3015	1	R	AC	85	\$3,871	11,393	SLURRY SEAL & DIGOUTS
RHEEM BLVD	1066' W/ZANDER DRIVE	CAROLYN COURT	3023	3	A	AC/AC	88	\$24,434	28,930	SLURRY SEAL & DIGOUTS
DALE COURT	ALTAMOUNT DRIVE	CUL-DE-SAC	4141	1	R	AC	76	\$3,408	11,614	SLURRY SEAL & DIGOUTS
EL TOYONAL (2254)	PAVEMENT CHANGE	CAMINO DEL CIELO	5201	6	C	AC/AC	85	\$9,830	14,435	SLURRY SEAL & DIGOUTS
ORINDAWOODS DR. (2545AM)	GREYSTONE TERR.	E. ALTARINDA	6001	3	C	AC	78	\$22,844	12,001	SLURRY SEAL & DIGOUTS
EL SERENO RD. (2545V)	LA ESPIRAL	CUL-DE-SAC	7208	1	R	AC	78	\$11,299	11,719	SLURRY SEAL & DIGOUTS
ORINDA WAY	END	SANTA MARIA WAY	A15001	1	R	AC	82	\$9,631	15,097	SLURRY SEAL & DIGOUTS
Treatment Total								\$85,317		
TARA RD. (2744F)	SOUTHWOOD DR	TARABROOK DR	12006	1A	C	AC/AC	87	\$42	916,449	SEAL CRACKS
TARA RD. (2744F)	TARABROOK DR	NONIE RD	12006	2	C	AC/AC	87	\$63	916,449	SEAL CRACKS
HILLCREST DR. (2745K)	MARTHA RD.	OVERHILL ROAD	12015	1	O	AC/AC	88	\$48	953,846	SEAL CRACKS

** - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
MARTHA RD.(2745H)	GLORIETTA BLVD.	HILLCREST RD.	12017	1	O	AC/AC	88	\$22	953,846	SEAL CRACKS
CREST VIEW DR.	VALLEY VIEW DRIVE	CRESTVIEW COURT	20260	1A	R	AC/AC	88	\$54	953,846	SEAL CRACKS
VALLEY VIEW DRIVE	MORAGA WAY	RICHARD COURT	3138	1	C	AC/AC	87	\$24	916,449	SEAL CRACKS
E. ALTARINDA DR(2545AC)	ORINDAWOODS DR.	EL NIDO RANCH RD.	6010	1	C	AC/AC	87	\$59	916,449	SEAL CRACKS
CAMINO SOBRANTE (2544C)	CAMINO PABLO	ORINDA WAY	7101	5	A	AC/AC	87	\$29	1,319,711	SEAL CRACKS
LOMBARDY LN. (2554)	VAN RIPPER (S)	VAN RIPPER (N)	9201	3	C	AC/AC	87	\$56	916,449	SEAL CRACKS
Treatment Total								\$397		
CAMINO PABLO	MORAGA WAY	SANTA MARIA WAY	A11002	0	A	AC	100	\$658,756	15,830	MILL AND THICK OVERLAY
Treatment Total								\$658,756		
Year 2014 Total								\$744,470		
Year: 2015										
SOUTHWOOD DR. (2745AZ)	MORAGA WAY	TARA RD	12001	1A	C	AC/AC	78	\$29,843	14,607	SLURRY SEAL & DIGOUTS
OVERHILL RD. (2744G)	WESTWOOD CT	HIGHLAND COURT	12010	2	C	AC	77	\$38,326	11,275	SLURRY SEAL & DIGOUTS
VILLAGE GATE ROAD	ORINDA WOODS DR.	VILLAGE GATE/WATCHWOOD RD.	20320	1	R	AC	77	\$45,697	11,256	SLURRY SEAL & DIGOUTS
RHEEM BLVD	CAROLYN COURT	HALL DRIVE	3023	4	A	AC/AC	84	\$26,575	25,166	SLURRY SEAL & DIGOUTS
CORTE HOLGANZA	IVY DRIVE	CUL-DE-SAC	4001	1	R	AC/AC	78	\$5,112	12,315	SLURRY SEAL & DIGOUTS
CALIFORNIA AVE. (2345J)	PROPERTY LINE AT #65/61	END AT #39 CALIFORNIA AVE.	5103	1	R	AC/AC	76	\$9,561	10,164	SLURRY SEAL & DIGOUTS
EL TOYONAL (2254)	CAMINO PABLO	LOMA VISTA (EAST)	5201	1	C	AC/AC	84	\$29,897	17,976	SLURRY SEAL & DIGOUTS
CROSSRIDGE PL. (2545AU)	KITE HILL RD.	CUL-DE-SAC	6003	1	R	AC	78	\$3,154	11,291	SLURRY SEAL & DIGOUTS
CROSS RIDGE TR. (2545AV)	KITE HILL RD.	END	6005	1	R	AC	78	\$5,596	11,291	SLURRY SEAL & DIGOUTS
Treatment Total								\$193,761		
CAMINO PABLO	MINER RD	ARDILLA ROAD	A11003	1A	A	AC	77	\$52,582	21,036	CAPE SEAL
ORINDA WAY	SANTA MARIA WAY	682FT N/O SANTA MARIA WAY	A15001	2	A	AC	77	\$25,245	27,624	CAPE SEAL
ORINDA WAY	682FT N/O SANTA MARIA WAY	1700FT N/O SANTA MARIA WAY	A15001	3	A	AC	78	\$37,682	28,458	CAPE SEAL
Treatment Total								\$115,509		
CORAL DRIVE	EASTWOOD DR	IVY DR	4046	3	O	AC/AC	88	\$16	917,160	SEAL CRACKS

** - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
SLEEPY HOLLOW LN (2555K)	LOMBARDY LANE	SOUTHERLY EDGE NORMANDY LANE	9001	1A	O	AC/AC	88	\$88	917,160	SEAL CRACKS
WASHINGTON LN. (2555L)	SLEEPY HOLLOW LANE	END	9004	1	O	AC/AC	88	\$15	917,160	SEAL CRACKS
Treatment Total								\$119		
TARA RD. (2744F)	NONIE RD	OVERHILL RD	12006	3	C	AC	100	\$106,695	11,394	MILL AND THICK OVERLAY
OVERHILL RD. (2744G)	241 OVERHILL RD	GLORIETTA BLVD	12010	6	C	AC	100	\$117,740	11,487	MILL AND THICK OVERLAY
MINER RD. (2444C)	CAMINO DON MIGUEL	LOMBARDY LN	7001	1C	A	AC/AC	100	\$242,540	15,043	MILL AND THICK OVERLAY
Treatment Total								\$466,975		
Year 2015 Total								\$776,364		

Year: 2016

NORTHWOOD CT. (2745X)	NORTHWOOD DR.	CUL-DE-SAC	12004	1	R	AC/AC	78	\$6,402	10,573	SLURRY SEAL & DIGOUTS
GLORIETTA BLVD (2731 B)	MORAGA WAY	SHADOW CREEK LN	13000	1A	A	AC/AC	91	\$46,118	24,876	SLURRY SEAL & DIGOUTS
STEIN WAY	OAK RD.	KNICKERBOCKER LN.	14010	2	R	AC	76	\$37,535	10,462	SLURRY SEAL & DIGOUTS
OAK DRIVE	1000' W/MORAGA WAY	CUL-DE-SAC	3139	2	R	AC	78	\$24,808	10,821	SLURRY SEAL & DIGOUTS
PUEBLO COURT	IVY DRIVE	CUL-DE-SAC	4005	1	R	AC	78	\$5,750	10,821	SLURRY SEAL & DIGOUTS
ASPINWALL COURT	EASTWOOD DRIVE	CUL-DE-SAC	4012	1	R	AC/AC	78	\$14,791	10,563	SLURRY SEAL & DIGOUTS
TOTTERDELL COURT	ARDITH DRIVE	CUL-DE-SAC	4025	1	R	AC/AC	77	\$13,045	12,088	SLURRY SEAL & DIGOUTS
LAVENIDA	MORAGA WAY	B.C. @ 90 DEGREE	4118	1	R	AC/AC	77	\$21,695	10,297	SLURRY SEAL & DIGOUTS
ESTABUENO	LAVENIDA	MORAGA WAY	4119	2	R	AC/AC	78	\$23,953	11,001	SLURRY SEAL & DIGOUTS
STANTON AVE. (2345H)	STANTON CT.	CUL-DE-SAC	5102	1	R	AC/AC	72	\$31,376	9,348	SLURRY SEAL & DIGOUTS
ORINDAWOODS DR. (2545AM)	KITE HILL RD	GREYSTONE TERR.	6001	2	C	AC	77	\$36,759	10,828	SLURRY SEAL & DIGOUTS
MINER RD. (2444C)	TIGERTAIL CT	SYCAMORE RD	7001	2B	C	AC/AC	78	\$46,288	16,280	SLURRY SEAL & DIGOUTS
OAK LANE (2655C)	MINER RD.	END	7003	1	R	AC/AC	92	\$2,900	7,460	SLURRY SEAL & DIGOUTS
LOMAS CANTADAS	TRES MESAS	LAS PIEDRAS	A17001	2	C	AC	73	\$29,169	9,991	SLURRY SEAL & DIGOUTS
Treatment Total								\$340,589		
GREAT OAK CR. (2745 AB)	ORCHARD RD.	CUL-DE-SAC	12033	1	R	AC	83	\$16	360,378	SEAL CRACKS
BARBARA RD.(2645D)	SPRING RD.	OAK RD.	14005	1	R	AC	74	\$221	323,495	SEAL CRACKS
ALICE LANE	1000'W/ZANDER DRIVE	DONALD DRIVE	3002	3	R	AC	74	\$272	319,020	SEAL CRACKS
RHEEM BLVD	ZANDER DRIVE	1066' W/ZANDER DRIVE	3023	2	A	AC/AC	89	\$3	36,975,290	SEAL CRACKS
RHEEM BLVD	HALL DRIVE	MORAGA VIA	3023	5	A	AC/AC	73	\$163	530,355	SEAL CRACKS
CORTE SOMBRITA	IVY DRIVE	CUL-DE-SAC	4002	1	R	AC/AC	76	\$62	355,032	SEAL CRACKS

** - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
EL TOYONAL (2254)	LOMA VISTA (WEST)	PAVEMENT CHANGE	5201	5	C	AC/AC	82	\$123	572,547	SEAL CRACKS
CROSSRIDGE CT. (2545AT)	KITE HILL RD.	CUL-DE-SAC	6004	1	R	AC	74	\$34	323,574	SEAL CRACKS
SANTA MARIA WY. (2544B)	ORINDA WAY	ALTARINDA RD	6015	1	C	AC/AC	76	\$184	517,530	SEAL CRACKS
SANTA MARIA WY.	CAMINO PABLO	ORINDA WAY	6015	2	A	AC	75	\$86	620,244	SEAL CRACKS
ST. STEPHENS DR.	HIDDEN VALLEY RD	EL NIDO RANCH RD	6101	1	A	AC	87	\$54	1,220,147	SEAL CRACKS
HARTFORD RD. (2755D)	CHARLES HILL CIRCLE	END	6205	1	R	AC	75	\$54	331,945	SEAL CRACKS
EL NIDO RANCH RD (2854)	ST. STEVENS DR.	CITY LIMITS	6208	1	A	AC	74	\$666	474,835	SEAL CRACKS
MINER RD. (2444C)	BIEN VENIDA	CAMINO DON MIGUEL	7001	1B	A	AC/AC	87	\$90	1,220,147	SEAL CRACKS
Treatment Total								\$2,028		
ALTARINDA RD.	SANTA MARIA WY	ORINDA WOODS DR	20300	1	C	AC	100	\$231,125	10,632	MILL AND THICK OVERLAY
OAK FLAT RD. (2755C)	CHARLES HILL RD.	CUL-DE-SAC	6203	1	R	AC	100	\$22,169	9,050	MILL AND THICK OVERLAY
LOMAS CANTADAS	CITY LIMITS	TRES MESAS	A17001	1A	C	AC	100	\$211,343	10,887	MILL AND THICK OVERLAY
Treatment Total								\$464,637		
Year 2016 Total								\$807,254		

Year: 2017

KELLIE ANN CT. (2745BA)	MEADOW VIEW RD.	CUL-DE-SAC	12043	1	R	AC	78	\$8,191	10,427	SLURRY SEAL & DIGOUTS
IDYLL COURT	MORAGA VIA	CUL-DE-SAC	3024	1	R	AC/AC	78	\$7,192	10,992	SLURRY SEAL & DIGOUTS
DANZA COURT	IVY DRIVE	CUL-DE-SAC	4008	1	R	AC/AC	78	\$5,665	12,169	SLURRY SEAL & DIGOUTS
PICO COURT	LA CRESTA ROAD	CUL-DE-SAC	4137	1	R	AC/AC	78	\$5,750	10,818	SLURRY SEAL & DIGOUTS
HARRAN CR. (2545AE)	E. ALTARINDA DR.	CUL-DE-SAC	6011	1	R	AC	78	\$7,003	10,428	SLURRY SEAL & DIGOUTS
VIA FLOREADO 2545Q)	ST. STEVENS DR.	VIA FLOREADO STA. 2890	6102	1	R	AC/AC	78	\$72,877	10,437	SLURRY SEAL & DIGOUTS
CAMINO PABLO	MONTE VISTA RD.	BEAR CREEK RD.	A11004	1	A	AC/AC	88	\$48,417	22,690	SLURRY SEAL & DIGOUTS
BEAR CREEK RD.	CAMINO PABLO	CITY LIMIT	A19001	1	C	AC	76	\$86,545	10,258	SLURRY SEAL & DIGOUTS
Treatment Total								\$241,640		
AVIS COURT	DONALD DRIVE	CUL-DE-SAC	3015	1	R	AC	82	\$28	346,970	SEAL CRACKS
RHEEM BLVD	1066' W/ZANDER DRIVE	CAROLYN COURT	3023	3	A	AC/AC	86	\$77	1,519,744	SEAL CRACKS
DALE COURT	ALTAMOUNT DRIVE	CUL-DE-SAC	4141	1	R	AC	74	\$38	309,359	SEAL CRACKS
EL TOYONAL (2254)	PAVEMENT CHANGE	CAMINO DEL CIELO	5201	6	C	AC/AC	82	\$71	454,297	SEAL CRACKS

** - Treatment from Project Selection

Scenarios Criteria:

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Rating	Treatment
ORINDAWOODS DR. (2545AM)	GREYSTONE TERR.	E. ALTARINDA	6001	3	C	AC	74	\$251	303,214	SEAL CRACKS
EL SERENO RD. (2545V)	LA ESPIRAL	CUL-DE-SAC	7208	1	R	AC	76	\$116	320,559	SEAL CRACKS
CAMINO PABLO	MORAGA WAY	SANTA MARIA WAY	A11002	0	A	AC	87	\$295	1,173,218	SEAL CRACKS
ORINDA WAY	END	SANTA MARIA WAY	A15001	1	R	AC	81	\$76	458,145	SEAL CRACKS
								Treatment Total	\$952	
MEADOW LN. (2745 N)	GLORIETTA BLVD.	MEADOW VIEW RD.	12039	1	R	AC	100	\$144,086	8,890	MILL AND THIN OVERLAY
								Treatment Total	\$144,086	
BATES BLVD. (2745AW)	DAVIS RD	MUTH DR (S)	11001	1A	R	AC	100	\$156,227	8,906	MILL AND THICK OVERLAY
OVERHILL COURT	OVERHILL RD.	CUL-DE-SAC	12011	1	R	AC	100	\$23,647	8,760	MILL AND THICK OVERLAY
ORINDA WAY	1700FT N/O SANTA MARIA WAY	CAMINO PABLO	A15001	4	A	AC	100	\$271,938	13,970	MILL AND THICK OVERLAY
								Treatment Total	\$451,812	
								Year 2017 Total	\$838,490	
								Grand Total	\$3,879,770	

** - Treatment from Project Selection

Scenarios Criteria: