City of Grand Terrace
22795 Barton Rd,
Grand Terrace, CA 92313

2016

PAVEMENT MANAGEMENT REPORT

Prepared By:

Interwest Consulting Group

2/1/2016

CITY OF GRAND TERRACE

EXECUTIVE SUMMARY REPORT OF THE PAVEMENT MANAGEMENT PROGRAM
FEBRUARY 2016

A. Background

The purpose of a Pavement Management Program (PMP) is to establish and maintain a uniform definition and procedure for the application of various maintenance strategies to extend the overall expected life cycle of the City's transportation system in the most economical and efficient manner. In addition, it provides a multi-year work plan that can be implemented based on expected and/or desired needs and funding.

The City of Grand Terrace currently does not have a systematic database for tracking or managing their pavement network system. A pavement management system formalizes the process by using computer software. The procedure is to collect, organize, and maintain a complete roadway database that describes the City's road network system. This data is then analyzed to identify existing deterioration levels, prioritize cost-effective repairs, and create an optimal long-term spending plan.

In September 2015, Interwest Consulting Group (Interwest) was contracted to move forward with a PMP implementation. The goals included the following:

1. Procure the online software subscription of the PMP-StreetSaver from Metropolitan Transportation Commission (MTC) to provide computerized data management tool to assist the City in making cost-effective decisions.
2. Perform field pavement assessments on City streets.
3. Develop a 5-year CIP Work Plan based on current revenues as recommended by the PMP program.

B. Pavement Network and Condition

The City of Grand Terrace is responsible for repairing and maintaining 41 centerline miles of pavement (or 88 lane miles). As part of the PMP implementation, the following was conducted:

1. Purchased the Streetsaver Online software subscription from MTC.
2. Procured street section inventory data from MTC to form the base data.
3. Street sections were reviewed, segmented and updated accordingly.
4. Perform visual field pavement assessments on City streets which also included the collection and/or verification of: street name, length and width, # of lanes, private or public road, cul-de-sacs streets

5. Input all data collected in to Streetsaver including functional classification (FC) of streets to reflect Caltrans California Road System (CRS) maps.

The Pavement Condition Index (PCI) is a visual measurement of pavement grade or condition and ranges from 0 to 100. (Please refer to Figure 1 - PCI Rating Chart below) A newly constructed road would have a PCI of 100, while a failed road would have a PCI of 15 or less. **The City's network average PCI is 59**. This PCI is lower than the State's average PCI of 66 in 2014 (based on the CA Statewide Local Streets & Roads Needs Assessment 2014 Report).

Figure 1. Pavement Condition Index Rating Chart

The City's result is somewhat alarming as this is an indicator that the City is not investing enough funds or their strategy for maintaining their pavements is resulting in poor pavement conditions when compared to the State's PCI average.

The timing of pavement maintenance treatments is important as well. Research and experience has shown it is far less expensive to maintain a road in good condition than it is to allow a road to deteriorate before repairing it (refer to Figure 2). The curve shows the rate at which the pavement condition deteriorates over time. A roadway worsens slowly at the beginning of its projected life span. At this point, preventative surface treatments are significantly less costly. The level of pavement deterioration per year increases drastically as the pavement enters the Fair range, and is considered the critical zone in the pavement's life. At this point, it becomes much more expensive to keep the roadway in good service condition. Pavement Management Systems place priority on maintaining these good condition roads first, which over the long-term will effectively provide a higher condition roadway at a lower cost.

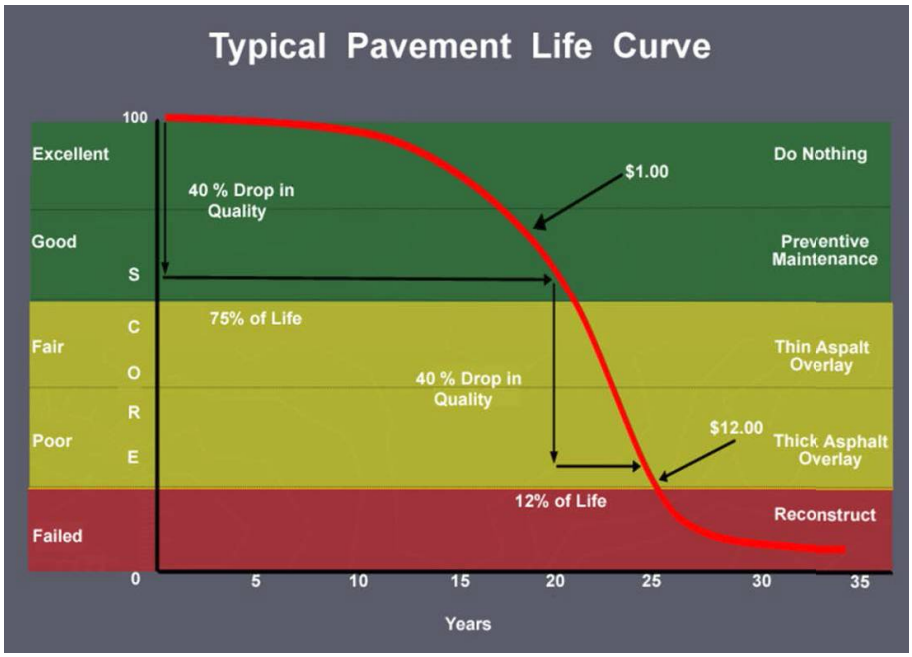


Figure 2. Typical Pavement Deterioration and Relative Treatment Costs

Various Pavement Treatments can generally be linked to PCI Ranges.

PCI Range	Treatment
PCI (100 - 88) - Excellent Condition	DO NOTHING - in need of no immediate maintenance.
PCI (87 – 68) - Good Condition	ROUTINE MAINTENANCE - may be in need of crack sealing or minor localized repair.
PCI (67 - 47) - Fair Condition	PREVENTIVE MAINTENANCE - pavement surface in need of surface sealing or thin overlay.
PCI (46 - 21) - Poor Condition	STRUCTURAL IMPROVEMENT - pavement structure in need of additional overlay thickness to resist traffic loading.
PCI (20 – 0) - Failure Condition	FULL BASE REHABILITATION - in need of full depth reconstruction/reclamation.

Table 2 provides a summary of the City's pavement network and its conditions by roadway functional class.

Table 2. Pavement Network and Condition Summary

Functional Class	Centerline Miles	% of Network by Area	Average PCI
Arterial	3.91	15.5%	61
Collector	10.67	26.0%	65
Residential	26.42	58.5%	57
Total	**41.00**	**100%**	**59**

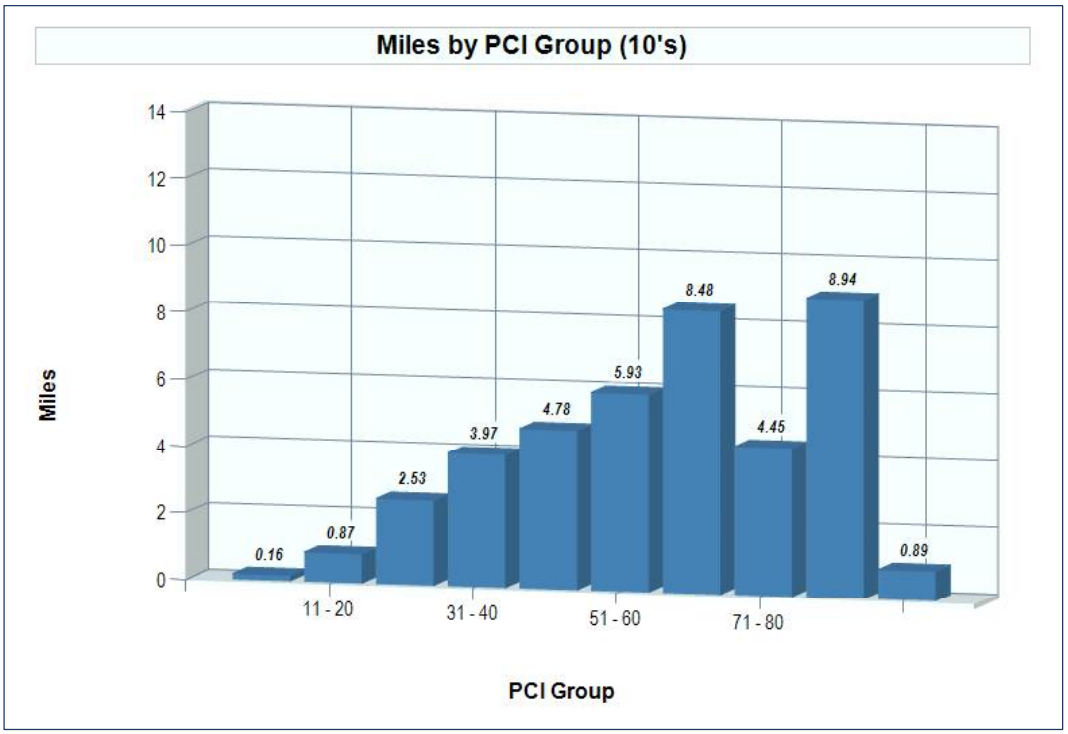
The replacement value of the City's streets network is approximately $34 million (based on $65 per square foot full reconstruction cost). This public investment needs to be protected. According to the National Asphalt Pavement Association, 1.5% of the pavement's replacement value should be spent annually for pavement maintenance. For the City of Grand Terrace that would be $510,000 annually. This predicament is not unique to the City of Grand Terrace. According to the California League of Cities, the majority of California's cities and counties now have an average pavement condition rating that is considered "at risk". Projections indicate that by 2024, a quarter of local streets and roads will be in the "failed" category.

Table 3 and Chart A below provides current pavement condition breakdowns by PCI ranges/category and miles of pavement.

Table 3. Pavement Condition Breakdown by Category

Condition Category	PCI Range	Arterial (%)	Collector (%)	Residential (%)	Total Network (%)
Excellent to Good (I)	100 - 70	7.8%	12.2%	14.3%	**34.3%**
Fair (II/III)	69 - 50	3.9%	7.4%	23.7%	**34.8%**
Poor (IV)	49 - 25	1.2%	4.7%	17.7%	**23.7%**
Very Poor (V)	24 - 0	2.6%	1.7%	2.9%	**7.1%**
Total		15.5%	26.0%	58.5%	**100.0%**

Chart A. Miles of Pavement by Condition



The City's current average PCI of 59 (Fair) indicates that a significant amount of the street network is in distress and will need some level of rehabilitation. Based on Table 2, close to 59% of the street network will fall in this category II/III and IV. The above Tables also indicate that Residential/Local streets, which make up 58.5% of the network, are in worse condition compared to the arterial and collectors. To correct this, implementing the correct treatment and plan will minimize further deterioration by making the best use of available funds as well as seeking for other resources

C. Budget Needs

There have been very little funds in the past towards maintaining and restoring pavement in the City. The City's current 5-year budget plan is to program approximately $200,000 per year towards pavement treatment.

One of the goals of the PMP is to bring streets and roads to a condition where best management practices can occur. Therefore, it is critical to determine the type of treatment and when to apply it. With this said, it will always costs less to maintain roads in good condition than bad. The PMP will develop a maintenance strategy that will first improve the overall condition of the network and then sustain it at that level.

Preventative maintenance which includes crack sealing and slurry seals should be utilized for pavements within the Category I (Excellent to Good). When pavements deteriorate and fall into Categories IV (Poor) and V (Very Poor), thick overlays, and pavement reconstruction are treatments to be considered and at a very high price tag.

1. Projected Scenario – Unlimited Funds

In order to determine a cost-effective strategy for the level of maintenance and rehabilitation needs for the City without any funding restrictions, a module report was generated for a 5-year plan. Based on this strategy, the City's street network would average to a PCI = 83 by 2020 if treatments were applied every year totaling $13.3M. The scenario also shows that not doing anything will result in an average PCI = 50 by 2020. This is a 9 point drop from the existing PCI of 59. The results are summarized in Table 4.

Table 4. Summary of Street Network – Unlimited Funds

	2016	2017	2018	2019	2020	Total
PCI apply treatment	78	80	83	83	83	
Preventative Maint. ($)	$1.1M	$0	$68K	$39.1K	$5.3K	$1.2M
Rehab/Reconstruct ($)	$6.1M	$1.6K	$2.7M	$1.2K	$460K	$12.1M
Total Cost ($)	**$7.2M**	**$1.6M**	**$2.8M**	**$1.2K**	**$465K**	**$13.3M**

This analysis represents the ideal funding strategy from the PMP based on best management practices. The above work plan focuses on bringing Poor streets to Very Good streets within the first 2 years. By year 3, the PCI is maintained at 83 with a reduced funding level. After year 2018, the average PCI will be in the Excellent to Good Category (PCI of 74 – 100).

It is important to note that only 9% or $1.2M is recommended for preventative maintenance while 91% or $12.1M is projected for the more costly rehabilitation/reconstruction treatment.

2. Projected Scenario – Current Funding levels

As noted earlier, the City has not provided a lot of investment in roadway preservation in past years. This is reflected in the City's existing PCI of 59. Since the City does not have unlimited financial resources, decisions on transportation maintenance priorities will have to be made to make the best use of limited funds and implementing a cost-effective strategy in pavement preservation. Currently, the City receives an annual amount of $200,000 in Measure I Local Funds.

Based on these available funding sources and timely use of funding, a 5-year work plan was generated. The results are summarized in Table 5.

Table 5. Summary of Street Network – City Funding Levels

	2016	2017	2018	2019	2020	Total
Budget ($)	$200K	$200K	$200K	$200K	$200K	$1.0M
Deferred Maintenance ($)	$6.9M	$8.3M	$10.1M	$10.9M	$10.4M	$46.6M
PCI	60	59	57	55	53	

Under this scenario, the amount of deferred maintenance grows from $6.9 Million annually to $10.4 Million annually in 5 years, and the system wide PCI drops from 60 to 53. In other words, given the present funding stream, the City will never be able to improve the overall pavement system citywide. In comparison to Table 4, by not doing any treatment for 5 years, the City's PCI will drop to 50 by year 2020.

Chart B. Pavement Condition Changes based on City Funding Levels ($200k/year)

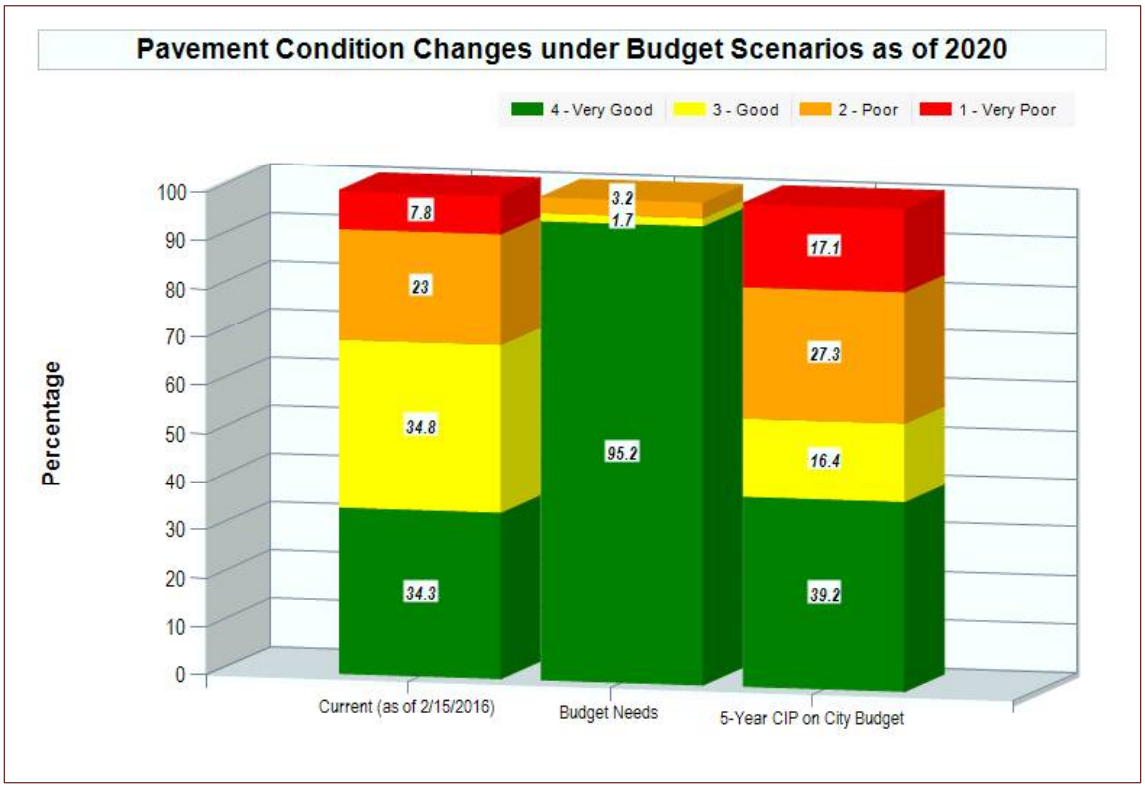
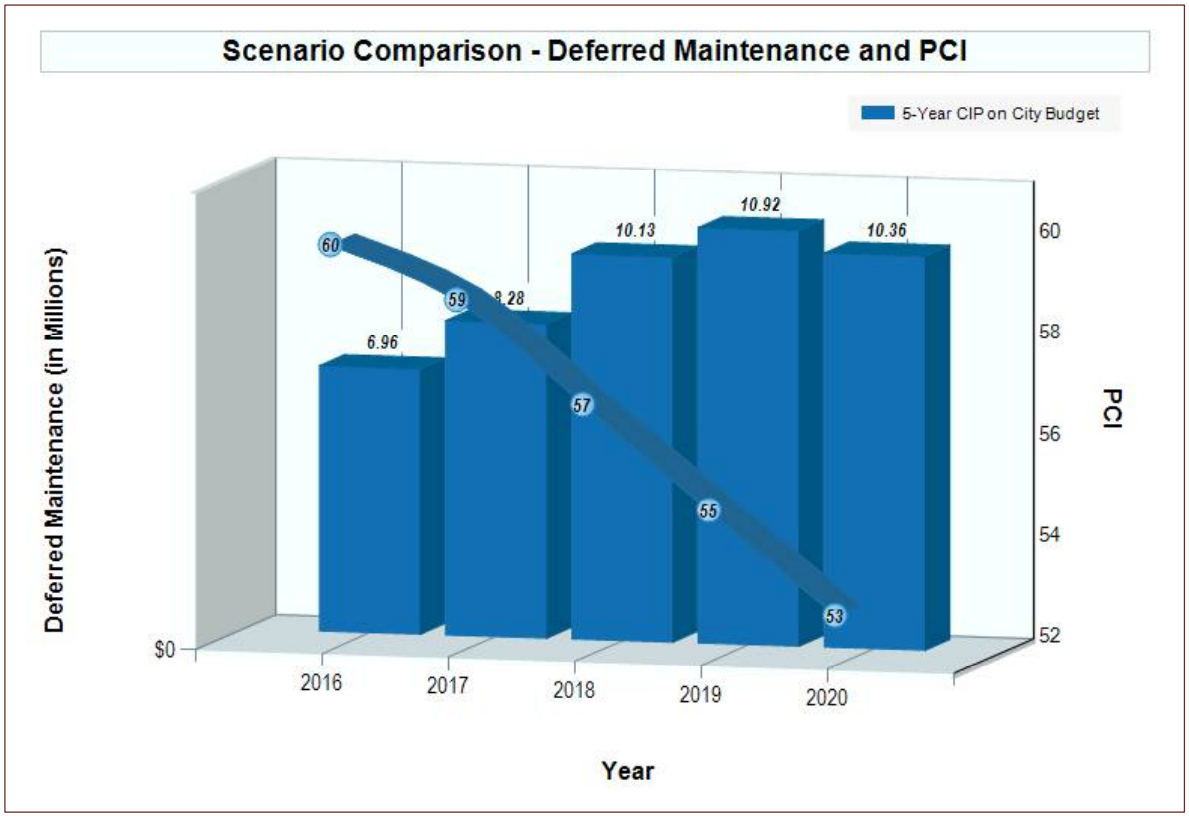


Chart C. Deferred Maintenance and Pavement Condition based on City Funding Levels ($200k/year)



The above chart shows the drop in the PCI average to 53 by 2020. The increased deferred maintenance cost will rise to $46.6M by year 2020. These levels will be unstainable for the City as the cost for maintaining pavements will increase 4 to 8 fold once pavement conditions fall.

Included as an attachment are other scenarios that include; doubling and tripling the current annual pavement maintenance funding, and a scenario of the expenditure necessary to preserve the current system PCI at 60 till 2020.

D. Recommendations

The City of Grand Terrace pavement network is worth over $34M. It provides vital public transportation traveling needs for bicycles, bus, passenger vehicles, and the delivery of goods and services that relies on a well maintained roadway system. A well maintained roadway system is critical for both the local and regional economy and communities.

Recognizing that there are limited financial resources, it is critical that most cost-effective strategies are implemented and that the City continues to maintains the transportation infrastructure system in a safe and fiscally responsible manner. The steps in a PMP strategy are as

follows:

1. Identify the Pavement Condition Index Goal for City streets OR Identify the minimum level of investment for maintenance every year. Under Project Scenario – City Funding Levels, this 5-year work plan will bring the City's PCI ratings to 53, near the lower end of the "Fair" category and 4 points above the "Poor" category, by year 2020. At a minimum, we suggest that the City consider increasing pavement expenditures from the current levels to at least maintain the current network PCI of 59. This will achieve the following objectives:

    - Allows the City to preserve and improve pavements in the "Fair" or "Poor" categories.
    - Increases the percentage of pavements in the "Good" category.
    - At least maintain the current average PCI.

    Though far from the ideal funding situation where the backlog is eventually eliminated, an increased budget will, nonetheless, seek to preserve and maintain existing good pavements, and invest funds accordingly.

2. Generate a pavement maintenance strategy that includes the best (cost-effective) balance of "preventative maintenance" and reconstruction/repairs to meet the City's PCI Goal within the City's financial resources. Since 34.3% of the of the pavements are in "Excellent to Good" condition, best management practices would utilize less expensive and appropriate preventative maintenance treatments to keep these pavements in this category. Effective treatments include crack sealing, slurry seals cape seals are ideal for extending pavement life.

3. Generate a 5-year work plan that reflects the goals of #1 and #2 above.

4. A successful PMP requires pavement be surveyed every 2-3 years for arterials/collectors and 3-4 years for residential streets. Update the PMP database annually to reflect completed CIP completed, new and changed streets, maintenance and rehabilitation decision trees and associated unit costs, treatment strategies (new technologies).

5. Identify new funding sources through grants or direct local funding sources to preventative maintenance or rehabilitation treatments. Possible financing alternatives to help fund pavement rehabilitation and preventive maintenance for the City are as follows:

A) Truck Route Permit Fee – Leverages a surcharge fee on trucks for use of City roads to help recoup the costs of heavy wheel loads imposed by truck traffic.

B) Residential Waste Collection Fee – (Existing) Surcharge is leveraged on waste companies to account for damage to pavement incurred by heavy waste collection trucks. Investigate redirecting to pavement maintenance.

C) Development Repairs – Fees assessed to new developments to account for increased traffic associated with new residential and commercial tenants. Also, alter improvement standards to require pavement rehab to centerline for contiguous development.

D) Establish Trench Cut Impact Fee – Fee is leveraged against utility to provide compensation for reduced pavement life due to utility cuts and patches.

E) Pursue Local Sales Tax Measures just for roads or in combination with other City-wide issues

F) Devote More Measure I and Local Sales Tax/Revenues to Road Maintenance activities

G) Devote General Fund Revenues to Road Maintenance activities, at lease initially to address backlog

H) Establish localized Business Assessment/Improvement Districts

I) Establish City-wide Assessment Districts

J) Investigate current use of RSTP funds that are intended for pavement maintenance use

K) Pursue CalRecycle Grants for rubberized chip seals and overlays

L) Pursue other Grants that may include some pavement rehabilitation features: ATP (bike lanes, sidewalks)

M) California Infrastructure and Economic Development Bank ("IBank") Loan

ATTACHMENT 1 – CURRENT NETWORK

NETWORK SUMMARY STATISTICS

NETWORK REPLACEMENT COST

DECISION TREE

SECTION PCI/RSL LISTING (CITY ROAD INVENTORY)

MAP – PAVEMENT CONDITION CATEGORY

Decision Tree

Printed: 02/08/2016

Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Arterial	AC	I - Very Good	Crack Treatment	DO NOTHING	$0.00	7		
			Surface Treatment	SLURRY SEAL + CRACK SEAL	$5.00		7	
			Restoration Treatment	DO NOTHING	$0.00			2
		II - Good, Non-Load Related		THIN AC OVERLAY(1.5 INCHES)	$14.00			
		III - Good, Load Related		THIN OVERLAY (1.5 INCHES) + DIG OUTS	$18.00			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	$24.00			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	$65.00			
	AC/AC	I - Very Good	Crack Treatment	DO NOTHING	$0.00	3		
			Surface Treatment	SLURRY SEAL + CRACK SEAL	$5.00		7	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Good, Non-Load Related		THIN AC OVERLAY(1.5 INCHES)	$14.00			
		III - Good, Load Related		THIN OVERLAY (1.5 INCHES) + DIG OUTS	$18.00			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	$24.00			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	$65.00			
	AC/PCC	I - Very Good	Crack Treatment	DO NOTHING	$0.00	3		
			Surface Treatment	DO NOTHING	$0.00		6	
			Restoration Treatment	DO NOTHING	$0.00			2
		II - Good, Non-Load Related		DO NOTHING	$0.00			
		III - Good, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	PCC	I - Very Good	Crack Treatment	DO NOTHING	$0.00	3		
			Surface Treatment	DO NOTHING	$0.00		99	
			Restoration Treatment	DO NOTHING	$0.00			100
		II - Good, Non-Load Related		DO NOTHING	$0.00			
		III - Good, Load Related		DO NOTHING	$1.51			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			

Functional Class and Surface combination not used

Decision Tree

Printed: 02/08/2016

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

Functional Class and Surface combination not used

Decision Tree

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Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Collector	AC	I - Very Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	SLURRY SEAL + CRACK SEAL	$5.00		7	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Good, Non-Load Related		THIN AC OVERLAY(1.5 INCHES)	$13.00			
		III - Good, Load Related		THIN OVERLAY (1.5 INCHES) + DIG OUTS	$17.00			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	$20.00			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	$60.00			
	AC/AC	I - Very Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	SLURRY SEAL + CRACK SEAL	$5.00		7	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Good, Non-Load Related		THIN AC OVERLAY(1.5 INCHES)	$13.00			
		III - Good, Load Related		THIN OVERLAY (1.5 INCHES) + DIG OUTS	$17.00			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	$20.00			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	$60.00			
	AC/PCC	I - Very Good	Crack Treatment	SEAL CRACKS	$0.60	4		
			Surface Treatment	SLURRY SEAL + CRACK SEAL	$5.00		7	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Good, Non-Load Related		THIN AC OVERLAY(1.5 INCHES)	$13.00			
		III - Good, Load Related		THIN OVERLAY (1.5 INCHES) + DIG OUTS	$17.00			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	$20.00			
		V - Very Poor		RECONSTRUCT STRUCTURE (AC)	$60.00			
	PCC	I - Very Good	Crack Treatment	SEAL CRACKS	$0.60	9		
			Surface Treatment	DO NOTHING	$0.00		99	
			Restoration Treatment	DO NOTHING	$0.00			100
		II - Good, Non-Load Related		DO NOTHING	$0.00			
		III - Good, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			

Functional Class and Surface combination not used

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

Functional Class and Surface combination not used

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Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Residential/Local	AC	I - Very Good	Crack Treatment	SEAL CRACKS	$0.60	4		
			Surface Treatment	SLURRY SEAL + CRACK SEAL	$3.50		7	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Good, Non-Load Related		SLURRY SEAL + CRACK SEAL	$4.00			
		III - Good, Load Related		THIN OVERLAY (1.5 INCHES) + DIG OUTS	$15.00			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	$17.00			
		V - Very Poor		THICK AC OVERLAY (2.5 INCHES) +DIG OUTS	$25.00			
	AC/AC	I - Very Good	Crack Treatment	SEAL CRACKS	$0.60	4		
			Surface Treatment	SLURRY SEAL + CRACK SEAL	$3.50		7	
			Restoration Treatment	DO NOTHING	$5.04			3
		II - Good, Non-Load Related		SLURRY SEAL + CRACK SEAL	$4.00			
		III - Good, Load Related		THIN OVERLAY (1.5 INCHES) + DIG OUTS	$15.00			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	$17.00			
		V - Very Poor		THICK AC OVERLAY (2.5 INCHES) +DIG OUTS	$25.00			
	AC/PCC	I - Very Good	Crack Treatment	SEAL CRACKS	$0.60	4		
			Surface Treatment	SLURRY SEAL + CRACK SEAL	$3.50		7	
			Restoration Treatment	MILL AND THIN OVERLAY	$5.04			3
		II - Good, Non-Load Related		SLURRY SEAL + CRACK SEAL	$4.00			
		III - Good, Load Related		THIN OVERLAY (1.5 INCHES) + DIG OUTS	$15.00			
		IV - Poor		THICK AC OVERLAY(2.5 INCHES)	$17.00			
		V - Very Poor		THICK AC OVERLAY (2.5 INCHES) +DIG OUTS	$25.00			

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Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Residential/Local	PCC	I - Very Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	DO NOTHING	$0.00		99	
			Restoration Treatment	DO NOTHING	$0.00			100
		II - Good, Non-Load Related		DO NOTHING	$1.11			
		III - Good, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	ST	I - Very Good	Crack Treatment	DO NOTHING	$0.00	9		
			Surface Treatment	DO NOTHING	$0.00		99	
			Restoration Treatment	DO NOTHING	$0.00			100
		II - Good, Non-Load Related		DO NOTHING	$0.00			
		III - Good, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			

Functional Class and Surface combination not used

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Functional Class	Surface	Condition Category	Treatment Type	Treatment	Cost/Sq Yd, except Seal Cracks in LF:	Yrs Between Crack Seals	Yrs Between Surface Seals	# of Surface Seals before Overlay
Other	AC	I - Very Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	DO NOTHING	$0.00		8	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Good, Non-Load Related		DO NOTHING	$0.00			
		III - Good, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	AC/AC	I - Very Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	DO NOTHING	$0.00		8	
			Restoration Treatment	DO NOTHING	$0.00			3
		II - Good, Non-Load Related		DO NOTHING	$0.00			
		III - Good, Load Related		DO NOTHING	$0.00			
		IV - Poor		DO NOTHING	$0.00			
		V - Very Poor		DO NOTHING	$0.00			
	AC/PCC	I - Very Good	Crack Treatment	DO NOTHING	$0.00	4		
			Surface Treatment	DO NOTHING	$0.00		8	
			Restoration Treatment	DO NOTHING	$0.00			3
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		V - Very Poor		DO NOTHING	$0.00			
	PCC	I - Very Good	Crack Treatment	DO NOTHING	$0.00	9		
			Surface Treatment	DO NOTHING	$0.00		99	
			Restoration Treatment	DO NOTHING	$0.00			100
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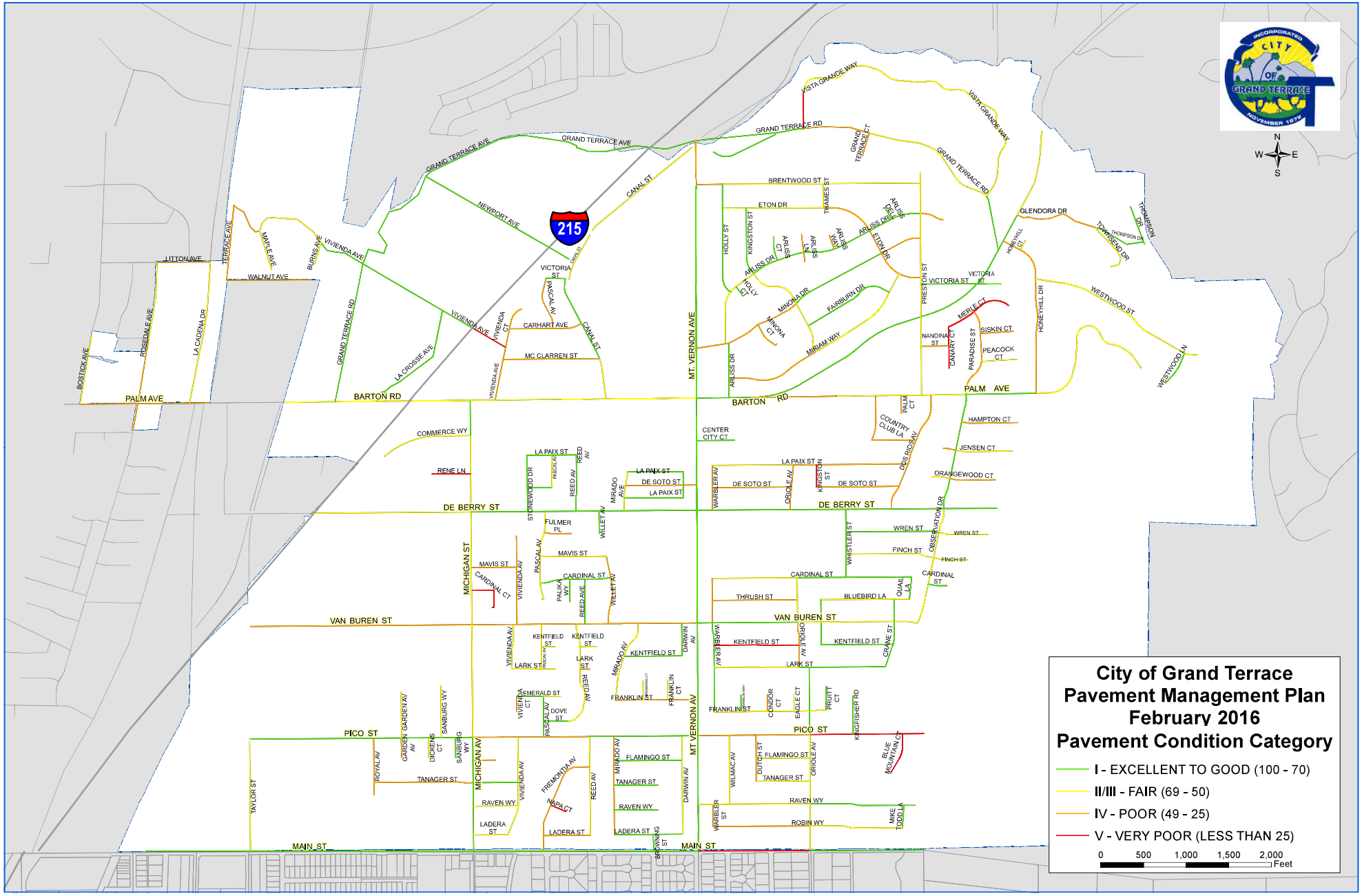
Decision Tree

Printed: 02/08/2016

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

Functional Class and Surface combination not used


City of Grand Terrace
Pavement Management Plan
February 2016
Pavement Condition Category
I - EXCELLENT TO GOOD (100 - 70)
II/III - FAIR (69 - 50)
IV - POOR (49 - 25)
V - VERY POOR (LESS THAN 25)
0 500 1,000 1,500 2,000 Feet
N
S
E
W
215
GRAND TERRACE AVE
NEWPORT AVE
CANAL ST
VISTA GRANDE WAY
GRAND TERRACE RD
BRENTWOOD ST
ETON DR
ARLISS DR
GLENDORA DR
THOMPSON DR
TOWNSEND DR
WESTWOOD ST
WESTWOOD LN
HONEYHILL DR
HONEYHILL CT
VICTORIA ST
MINONA DR
FAIRBURN DR
MIRIAM WAY
MERLE CT
SISKIN CT
PEACOCK CT
NANDINA ST
CANARY CT
PARADISE ST
PRESTON ST
HOLLY ST
KINGSTON ST
THAMES ST
LITTON AVE
WALNUT AVE
TERRACE AVE
MAPLE AVE
BURNS AVE
VIVIENDA AVE
VIVIENDA CT
CARHART AVE
MC CLARREN ST
LA CROSSE AVE
GRAND TERRACE RD
ROSEDALE AVE
LA CADENA DR
BOSTICK AVE
PALM AVE
BARTON RD
MT. VERNON AVE
COMMERCE WY
RENE LN
CENTER CITY CT
COUNTRY CLUB LA
PALM CT
HAMPTON CT
JENSEN CT
ORANGEWOOD CT
DOS RIOS AV
LA PAIX ST
DE SOTO ST
DE BERRY ST
STONEWOOD DR
REED AV
MIRADO AVE
WARBLER AV
ORIOLE AV
KINGSTON ST
OBSERVATION DR
WREN ST
FINCH ST
WHISTLER ST
FULMER PL
WILLET AV
MAVIS ST
CARDINAL ST
CARDINAL CT
PASCAL AV
PALIKA WY
MICHIGAN ST
THRUSH ST
BLUEBIRD LA
QUAIL LA
VAN BUREN ST
KENTFIELD ST
LARK ST
DARWIN AV
CRANE ST
EMERALD ST
DOVE ST
FRANKLIN ST
FRANKLIN CT
CONDOR CT
EAGLE CT
PRUITT CT
KINGFISHER RD
PICO ST
GARDEN AV
DICKENS CT
SANBURG WY
ROYAL AV
TANAGER ST
FLAMINGO ST
DUTCH ST
WILMAC AV
BLUE MOUNTAIN CT
RAVEN WY
ROBIN WY
MIKE TODD LA
WARBLER ST
FREMONTIA AV
NAPA CT
LADERA ST
BROWNING ST
TAYLOR ST
MAIN ST
Date: 2/15/2016

Network Replacement Cost

Printed: 02/12/2016

Functional Class	Surface Type	Lane Miles	Unit Cost/ Square Foot	Pavement Area/ Square Feet	Cost To Replace (in thousands)
Major Collector (5)	AC	19.8	$6.67	1,973,701	$13,158
Minor Arterial (4)	AC	7.1	$7.22	565,008	$4,081
Other Principal Arterial (3)	AC	7.6	$7.22	614,888	$4,441
Residential/Local	AC	54.1	$2.78	4,444,013	$12,344
	Grand Total:	88.7		7,597,610	$34,023

Network Summary Statistics

Printed: 02/12/2016

	Total Sections	Total Center Miles	Total Lane Miles	PCI
Minor Arterial (4)	10	2.01	7.12	50
Other Principal Arterial (3)	7	1.90	7.59	71
Major Collector (5)	50	10.67	19.85	65
Residential/Local	200	26.42	54.12	57
** Combined	0	0.00	0.00	N/A
Total	267	41.00	88.67	

Overall Network PCI as of 2/12/2016: 59

** Combined Sections are those without a PCI Date - they have not been inspected or had a Treatment applied.

Section PCI/RSL Listing

Printed: 02/15/2016

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
ARLISSCT	10	ARLISS CT	CDS	ARLIS DR	288.24	32	9,223.72	R - Residential/Local	A - AC	85	29.13
ARLISSDELL	10	ARLISS DELL	CDS	ARLISS DR	160.78	32	5,144.81	R - Residential/Local	A - AC	75	22.8
ARLISSDR	10	ARLISS DR	MINONA DR	KINGSTON ST	968	32	30,976	R - Residential/Local	A - AC	68	18.59
ARLISSDR	20	ARLISS DR	KINGSTON ST	ETON DR	1,476	32	47,232	R - Residential/Local	A - AC	73	21.56
ARLISSDR	30	ARLISS DR	ETON DR	PRESTON ST	627	32	20,064	R - Residential/Local	A - AC	80	25.97
ARLISSDR	40	ARLISS DR	PRESTON ST	END	395	32	12,640	R - Residential/Local	A - AC	43	6.51
ARLISSDR	50	ARLISS DR	MINONA DR	BARTON RD	622	32	19,904	R - Residential/Local	A - AC	83	27.88
ARLISSLN	10	ARLISS LN	CDS	ARLISS DR	120.75	32	3,863.86	R - Residential/Local	A - AC	25	0.15
ARLISSLN	20	ARLISS LN	ARLISS DR	CDS	210.21	32	6,726.84	R - Residential/Local	A - AC	25	0.15
ARLISSWAY	10	ARLISS WAY	CDS	ARLISS DR	165.65	32	5,300.83	R - Residential/Local	A - AC	49	9.26
BARTONRD	10	BARTON RD	RR TRACKS (CL)	I-215 (W)	1,186	30	35,580	MiA - Minor Arterial (4)	A - AC	49	6.78
BARTONRD	20	BARTON RD	I-215 (W)	I-215 (E)	585	30	17,550	MiA - Minor Arterial (4)	A - AC	49	6.78
BARTONRD	30	BARTON RD	I-215 (E)	VIVIENDA AVE	689	64	44,096	OPA - Other Principal Arterial (3)	A - AC	51	7.45
BARTONRD	40	BARTON RD	VIVIENDA AVE	MOUNT VERNON AVE	2,366	68	160,888	OPA - Other Principal Arterial (3)	A - AC	52	7.8
BARTONRD	50	BARTON RD	MOUNT VERNONN AVE	PALM AVE	1,100	68	74,800	OPA - Other Principal Arterial (3)	A - AC	86	21.96
BARTONRD	60	BARTON RD	PALM AVE	PRESTON ST	1,881	68	127,908	OPA - Other Principal Arterial (3)	A - AC	86	21.96
BARTONRD	70	BARTON RD	PRESTON ST	GRAND TERRACE RD	1,368	68	93,024	OPA - Other Principal Arterial (3)	A - AC	85	21.51
BARTONRD	80	BARTON RD	GRAND TERRACE RD	GLENDORA DR	349	68	23,732	OPA - Other Principal Arterial (3)	A - AC	79	18.7
BARTONRD	90	BARTON RD	GLENDORA DR	CITY LIMIT	2,261	40	90,440	OPA - Other Principal Arterial (3)	A - AC	65	12.5
BLUEMOUNTA	10	BLUE MOUNTAIN CT	PICO ST	CDS	502	26	13,052	R - Residential/Local	A - AC	23	0
BLUEBIRDLN	10	BLUEBIRD LN	NIGHTINGALE WAY	QUAL LN	1,031	32	32,992	R - Residential/Local	A - AC	68	18.99
BOSTICKAVE	10	BOSTICK AVE	CL (NORTH)	PALM AVE	575	32	18,400	R - Residential/Local	A - AC	66	19.19

Section PCI/RSL Listing

Printed: 02/15/2016

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
BRENTWOODS	10	BRENTWOOD ST	MOUNT VERNON AVE	HOLLY ST	305.32	32	9,770.32	MaC - Major Collector (5)	A - AC	39	2.86
BRENTWOODS	20	BRENTWOOD ST	HOLLY ST	THAMES ST	1,180.17	32	37,765.5	MaC - Major Collector (5)	A - AC	54	6.62
BRENTWOODS	30	BRENTWOOD ST	THAMES ST	PRESTON ST	1,129.99	32	36,159.68	MaC - Major Collector (5)	A - AC	54	6.62
BROWNINGCT	10	BROWNING CT	FRANKLIN ST	CDS	224.07	32	7,170.27	R - Residential/Local	A - AC	54	11.8
BROWNINGST	10	BROWNING ST	LADERA ST	W MAIN ST	181	32	5,792	R - Residential/Local	A - AC	81	27.06
BURNSAVE	10	BURNS AVE	VIVIENDA AVE	WALNUT AVE	395	30	11,850	R - Residential/Local	A - AC	61	16.3
CANALST	10	CANAL ST	MT VERNON AVE	VICTORIA ST	2,178	40	87,120	MaC - Major Collector (5)	A - AC	68	10.92
CANALST	20	CANAL ST	VICTORIA ST	CARHART AVE	566	40	22,640	MaC - Major Collector (5)	A - AC	74	13.02
CANALST	30	CANAL ST	CARHART AVE	MCCLARREN ST	115	32	3,680	MaC - Major Collector (5)	A - AC	81	16.31
CANALST	40	CANAL ST	MCCLARREN ST	BARTON RD	473	32	15,136	MaC - Major Collector (5)	A - AC	57	7.25
CANARYCT	10	CANARY CT	MERLE CT	CDS	514	32	16,448	R - Residential/Local	A - AC	22	0
CARDINALCT	10	CARDINAL CT	MICHIGAN AVE	CDS	475.77	32	15,224.68	R - Residential/Local	A - AC	19	0
CARDINALST	10	CARDINAL ST	PASCAL AVE	WILLET AVE	832	32	26,624	R - Residential/Local	A - AC	89	31.47
CARDINALST	20	CARDINAL ST	WARBLER AVE	ORIOLE AVE	997	32	31,904	R - Residential/Local	A - AC	54	12.15
CARDINALST	30	CARDINAL ST	ORIOLE AVE	QUAIL LN	1,325	32	42,400	R - Residential/Local	A - AC	69	19.57
CARDINALST	40	CARDINAL ST	OBSERVATION ST	CDS	231.33	32	7,402.49	R - Residential/Local	A - AC	82	27.7
CARHARTAVE	10	CARHART AVE	VIVIENDA CT	CANAL ST	851	32	27,232	R - Residential/Local	A - AC	30	1.66
CENTERCITY	10	CENTER CITY CT	MOUNT VERNON AVE	CDS	447.45	32	14,318.26	R - Residential/Local	A - AC	87	30.33
COMMERCEWA	10	COMMERCE WAY	END	MICHIGAN ST	990	56	55,440	R - Residential/Local	A - AC	55	12.35
CONDORCT	10	CONDOR CT	FRANKLIN ST	CDS	206	32	6,592	R - Residential/Local	A - AC	47	8.59

Section PCI/RSL Listing

Printed: 02/15/2016

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
COUNTRY CLU	10	COUNTRY CLUB LN	PALM AVE	DOS RIOS AVE	1,022	32	32,704	R - Residential/Local	A - AC	43	6.52
CRANEST	10	CRANE ST	BLUEBIRD LN	VAN BUREN ST	216	32	6,912	R - Residential/Local	A - AC	89	31.78
CRANEST	20	CRANE ST	VAN BUREN ST	LARK ST	506	32	16,192	R - Residential/Local	A - AC	87	30.72
DARWINAV E	10	DARWIN AVE	VAN BUREN ST	KENTFIELD ST	382	32	12,224	R - Residential/Local	A - AC	77	24.05
DARWINAV E	20	DARWIN AVE	PICO ST	LADERA ST	1,153	32	36,896	R - Residential/Local	A - AC	67	19.7
DEBERRYS T	10	DE BERRY ST	WEST END	MICHIGAN ST	1,798	40	71,920	MaC - Major Collector (5)	A - AC	59	8.09
DEBERRYS T	20	DE BERRY ST	MICHIGAN ST	REED AVE	1,233	40	49,320	MaC - Major Collector (5)	A - AC	94	22.59
DEBERRYS T	30	DE BERRY ST	REED AVE	MOUNT VERNON AVE	1,419	40	56,760	MaC - Major Collector (5)	A - AC	95	23.05
DEBERRYS T	40	DE BERRY ST	MOUNT VERNON	ORIOLE AVE	1,090	40	43,600	MaC - Major Collector (5)	A - AC	93	22.11
DEBERRYS T	50	DE BERRY ST	ORIOLE AVE	OBSERVATION DR	1,800	40	72,000	MaC - Major Collector (5)	A - AC	88	19.51
DEBERRYS T	60	DE BERRY ST	OBSERVATION DR	CDS	662	40	26,480	MaC - Major Collector (5)	A - AC	86	18.48
DESOTOST	10	DE SOTO ST	STONEWOOD DR	PASCAL AVE	282	32	9,024	R - Residential/Local	A - AC	70	19.75
DESOTOST	20	DE SOTO ST	MIRADO AVE	MOUNT VERNON AVE	835	32	26,720	R - Residential/Local	A - AC	34	2.92
DESOTOST	30	DE SOTO ST	WARBLER AVE	ORIOLE AVE	927	32	29,664	R - Residential/Local	A - AC	29	1.15
DESOTOST	40	DE SOTO ST	KINGSTON ST	DOS RIOS AVE	958	32	30,656	R - Residential/Local	A - AC	46	7.85
DICKENSC T	10	DICKENS CT	PICO ST	CDS	243.45	32	7,790.32	R - Residential/Local	A - AC	64	18.29
DOSRIOSA VE	10	DOS RIOS AVE	PALM AVE	COUNTRY CLUB LN	575	32	18,400	R - Residential/Local	A - AC	44	6.96
DOSRIOSA VE	20	DOS RIOS AVE	COUNTRY CLUB LN	DE BERRY ST	871	32	27,872	R - Residential/Local	A - AC	28	0.83
DOVEST	10	DOVE ST	PASCAL AVE	REED AVE	634.19	32	20,293.92	R - Residential/Local	A - AC	74	22.17
DUTCHST	10	DUTCH ST	PICO ST	TANAGER ST	544	32	17,408	R - Residential/Local	A - AC	45	7.39
EMAINST	10	E MAIN ST	MOUNT VERNON AVE	ORIOLE AVE	1,330	21	27,930	MaC - Major Collector (5)	A - AC	11	0
EMAINST	20	E MAIN ST	ORIOLE AVE	EAST END	1,130	16	18,080	MaC - Major Collector (5)	A - AC	70	11.65
EAGLECT	10	EAGLE CT	CDS	FRANKLIN ST	204	32	6,528	R - Residential/Local	A - AC	53	11.61

Section PCI/RSL Listing

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Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
EMERALDST	10	EMERALD ST	THOMAS CT	PASCAL AVE	314.15	32	10,052.9	R - Residential/Local	A - AC	78	24.69
EMERALDST	20	EMERALD ST	PASCAL AVE	END	205.61	32	6,579.41	R - Residential/Local	A - AC	69	19.17
ETONDR	10	ETON DR	HOLLY ST	THAMES ST	1,175	32	37,600	R - Residential/Local	A - AC	51	10.24
ETONDR	20	ETON DR	THAMES ST	PRESTON ST	1,512	32	48,384	R - Residential/Local	A - AC	49	9.26
FAIRBURNDR	10	FAIRBURN DR	KINGSTON ST	MIRIAM WY	1,108.78	32	35,481.03	R - Residential/Local	A - AC	77	24.06
FINCHST	10	FINCH ST	WHISTLER ST	OBSERVATION ST	1,038	32	33,216	R - Residential/Local	A - AC	68	18.6
FINCHST	20	FINCH ST	OBSERVATION	CDS	413	32	13,216	R - Residential/Local	A - AC	63	17.61
FLAMINGOST	10	FLAMINGO ST	MICHIGAN AVE	CDS	277	32	8,864	R - Residential/Local	A - AC	41	5.9
FLAMINGOST	20	FLAMINGO ST	MIRADO AVE	DARWIN AVE	805	32	25,760	R - Residential/Local	A - AC	71	20.77
FLAMINGOST	30	FLAMINGO ST	DUTCH ST	ORIOLE AVE	632	32	20,224	R - Residential/Local	A - AC	56	12.89
FRANKLINCT	10	FRANKLIN CT	FRANKLIN ST	CDS	231	32	7,392	R - Residential/Local	A - AC	62	16.48
FRANKLINST	10	FRANKLIN ST	MIRADO AVE	MOUNT VERNON AVE	940	32	30,080	R - Residential/Local	A - AC	27	0.81
FRANKLINST	20	FRANKLIN ST	WARBLER AVE	PRUIT CT	1,309	32	41,888	R - Residential/Local	A - AC	61	16.3
FRANKLINWA	10	FRANKLIN WAY	FRANKLIN ST	CDS	192	32	6,144	R - Residential/Local	A - AC	77	24.51
FREMONTIAA	10	FREMONTIA AVE	REED AVE	W MAIN ST	1,254	32	40,128	R - Residential/Local	A - AC	27	0.63
FULMARPL	10	FULMAR PL	PASCAL AVE	CDS	322.94	32	10,334.09	R - Residential/Local	A - AC	36	3.67
GARDENAVE	10	GARDEN AVE	CDS	PICO ST	240	32	7,680	R - Residential/Local	A - AC	31	2.01
GARDENAVE	20	GARDEN AVE	PICO ST	CDS	528	32	16,896	R - Residential/Local	A - AC	52	11.08
GLENDORADR	10	GLENDORA DR	BARTON RD	END	1,646	32	52,672	R - Residential/Local	A - AC	49	9.27
GRANDTERRA	10	GRAND TERRACE CT	GRAND TERRACE RD	CDS	278.37	32	8,907.69	R - Residential/Local	A - AC	28	1.15
GRANDTERR1	10	GRAND TERRACE RD	NEWPORT AVE	VIVIENDA AVE	1,319	32	42,208	MaC - Major Collector (5)	A - AC	82	16.5

Section PCI/RSL Listing

Printed: 02/15/2016

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
GRANDTERR1	20	GRAND TERRACE RD	VIVIENDA AVE	BARTON RD	1,653	32	52,896	MaC - Major Collector (5)	A - AC	89	20.37
GRANDTERR1	30	GRAND TERRACE RD	MOUNT VERNON AVE	VISTA GRANDE WAY E	1,170	32	37,440	MaC - Major Collector (5)	A - AC	85	17.96
GRANDTERR1	40	GRAND TERRACE RD	VISTA GRANDE WAY E	GRAND TERRACE CT	766	32	24,512	MaC - Major Collector (5)	A - AC	67	10.37
GRANDTERR1	50	GRAND TERRACE RD	GRAND TERRACE CT	VISTA GRANDE WAY E	1,637	32	52,384	MaC - Major Collector (5)	A - AC	36	2.21
GRANDTERR1	60	GRAND TERRACE RD	VISTA GRANDE WAY E	BARTON RD	588	32	18,816	MaC - Major Collector (5)	A - AC	78	14.67
HAMPTONCT	10	HAMPTON CT	OBSERVATION DR	CDS	670.3	32	21,449.54	R - Residential/Local	A - AC	38	4.66
HOLLYCT	10	HOLLY CT	ARLISS DR	CDS	150.04	32	4,801.2	R - Residential/Local	A - AC	83	27.88
HOLLYST	10	HOLLY ST	BRENTWOOD ST	ARLISS DR	1,285	32	41,120	R - Residential/Local	A - AC	83	27.88
HONEYHILLC	10	HONEY HILL CT	CDS	HONEY HILL DR	126	32	4,032	R - Residential/Local	A - AC	52	10.75
HONEYHILLD	10	HONEY HILL DR	BARTON RD	WESTWOOD ST	630	32	20,160	R - Residential/Local	A - AC	49	9.27
HONEYHILLD	20	HONEY HILL DR	WESTWOOD ST	PALM AVE	1,341	32	42,912	R - Residential/Local	A - AC	47	8.32
JENSENCT	10	JENSEN CT	CDS-W END	OBSERVATION DR	148	32	4,736	R - Residential/Local	A - AC	47	8.59
JENSENCT	20	JENSEN CT	OBSERVATION DR	CDS-E-END	673	32	21,536	R - Residential/Local	A - AC	56	13.27
KENTFIELDS	10	KENTFIELD ST	PASCAL AVE	END	162	32	5,184	R - Residential/Local	A - AC	58	14.04
KENTFIELDS	20	KENTFIELD ST	REED AVE	CDS	191	32	6,112	R - Residential/Local	A - AC	55	12.34
KENTFIELDS	30	KENTFIELD ST	MIRADO AVE	DARWIN AVE	675	32	21,600	R - Residential/Local	A - AC	81	26.6
KENTFIELDS	40	KENTFIELD ST	WARBLER AVE	ORIOLE AVE	1,000	32	32,000	R - Residential/Local	A - AC	23	0
KENTFIELDS	50	KENTFIELD ST	NIGHTINGALE WAY	CRANE ST	832	32	26,624	R - Residential/Local	A - AC	87	30.72
KINGFISHER	10	KINGFISHER RD	CDS	PICO ST	443	32	14,176	R - Residential/Local	A - AC	88	31.26
KINGSTONST	10	KINGSTON ST	ETON DR	ARLISS DR	775	32	24,800	R - Residential/Local	A - AC	82	27.25
KINGSTONST	20	KINGSTON ST	ARLISS DR	MINONA DR	652	32	20,864	R - Residential/Local	A - AC	55	12.35

Section PCI/RSL Listing

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Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
KINGSTON ST	30	KINGSTON ST	MINONA DR	MIRIAM WY	620	32	19,840	R - Residential/Local	A - AC	66	19.17
KINGSTON ST	40	KINGSTON ST	LA PAIX ST	DE SOTO ST	252	32	8,064	R - Residential/Local	A - AC	19	0
LACROSSE AV	10	LA CROSSE AVE	VIVIENDA AVE	BARTON RD	1,327	32	42,464	R - Residential/Local	A - AC	79	25.39
LACROSSE AV	20	LA CROSSE AVE	BARTON RD	LA CROSSE AVE	805	32	25,760	R - Residential/Local	A - AC	84	28.95
LACROSSE AV	30	LA CROSSE AVE	LA CROSSE AVE	LA CROSSE AVE	508	24	12,192	R - Residential/Local	A - AC	87	30.72
LAPAIXST	10	LA PAIX ST	STONEWOOD DR	REED AVE	561	18	10,098	R - Residential/Local	A - AC	81	26.6
LAPAIXST	20	LA PAIX ST	MIRADO AVE	DE SOTO ST	785	16	12,560	R - Residential/Local	A - AC	86	29.75
LAPAIXST	30	LA PAIX ST	DE SOTO ST	MIRADO AVE	821	16	13,136	R - Residential/Local	A - AC	86	29.75
LAPAIXST	40	LA PAIX ST	WARBLER AVE	ORIOLE AVE	935	32	29,920	R - Residential/Local	A - AC	54	11.8
LAPAIXST	50	LA PAIX ST	ORIOLE AVE	DOS RIOS AVE	1,330	32	42,560	R - Residential/Local	A - AC	39	4.85
LADERAST	10	LADERA ST	MICHIGAN AVE	VIVIENDA AVE	354	32	11,328	R - Residential/Local	A - AC	60	15.66
LADERAST	20	LADERA ST	FREMONTIA AVE	REED AVE	538	32	17,216	R - Residential/Local	A - AC	24	0
LADERAST	30	LADERA ST	MIRADO AVE	DARWIN AVE	785	32	25,120	R - Residential/Local	A - AC	72	21.38
LARKST	10	LARK ST	VIVIENDA AVE	CDS	517	32	16,544	R - Residential/Local	A - AC	60	15.23
LARKST	20	LARK ST	REED AVE	CDS	122	32	3,904	R - Residential/Local	A - AC	46	7.84
LARKST	30	LARK ST	WARBLER AVE	ORIOLE AVE	998	32	31,936	R - Residential/Local	A - AC	68	18.99
LARKST	40	LARK ST	ORIOLE AVE	CRANE ST	1,000	32	32,000	R - Residential/Local	A - AC	87	30.72
MAPLEAVE	10	MAPLE AVE	VIVIENDA AVE	WALNUT AVE	539	24	12,936	R - Residential/Local	A - AC	60	15.66
MAVISST	10	MAVIS ST	MICHIGAN AVE	VIVIENDA AVE	526	32	16,832	R - Residential/Local	A - AC	27	0.49
MAVISST	20	MAVIS ST	PASCAL AVE	WILLET AVE	780	32	24,960	R - Residential/Local	A - AC	52	10.75
MCCLARRENS	10	MCCLARREN ST	VIVIENDA AVE	CANAL ST	1,114.98	32	35,679.31	R - Residential/Local	A - AC	25	0
MERLECT	10	MERLE CT	CANARY CT	CDS	825	32	26,400	R - Residential/Local	A - AC	7	0
MICHIGAN AV	10	MICHIGAN AVE	W MAIN ST	TANAGER ST	794	60	47,640	MaC - Major Collector (5)	A - AC	79	15.38
MICHIGAN AV	20	MICHIGAN AVE	TANAGER ST	PICO ST	533	50	26,650	MaC - Major Collector (5)	A - AC	76	14.06
MICHIGAN AV	30	MICHIGAN AVE	PICO ST	VAN BUREN ST	1,331.94	35	46,617.9	MaC - Major Collector (5)	A - AC	0	0
MICHIGAN AV	40	MICHIGAN AVE	VAN BUREN ST	DE BERRY ST	1,327	35	46,445	MaC - Major Collector (5)	A - AC	62	8.85

Section PCI/RSL Listing

Printed: 02/15/2016

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
MICHIGAN AV	50	MICHIGAN AVE	DE BERRY ST	COMMERCE WAY	449	35	15,715	MaC - Major Collector (5)	A - AC	49	5.08
MICHIGAN AV	60	MICHIGAN AVE	COMMERCE WAY	BARTON RD	867	40	34,680	MaC - Major Collector (5)	A - AC	69	11.27
MIKETODD LN	10	MIKE TODD LN	RAVEN WAY	ROBIN WAY	262	32	8,384	R - Residential/Local	A - AC	78	24.69
MINONACT	10	MINONA CT	MINONA DR	CDS	335	32	10,720	R - Residential/Local	A - AC	40	5.25
MINONADR	10	MINONA DR	MOUNT VERNON AVE	KINGSTON ST	1,279	32	40,928	R - Residential/Local	A - AC	39	4.85
MINONADR	20	MINONA DR	KINGSTON ST	ETON DR	1,157	32	37,024	R - Residential/Local	A - AC	81	26.61
MINONADR	30	MINONA DR	ETON DR	PRESTON ST	482	32	15,424	R - Residential/Local	A - AC	32	2.19
MIRADOAVE	10	MIRADO AVE	LA PAIX ST	DE BERRY ST	437	32	13,984	R - Residential/Local	A - AC	59	14.63
MIRADOAVE	20	MIRADO AVE	VAN BUREN ST	FRANKLIN ST	957	32	30,624	R - Residential/Local	A - AC	50	9.74
MIRADOAVE	30	MIRADO AVE	PICO ST	LADERA ST	1,128	32	36,096	R - Residential/Local	A - AC	42	6.32
MIRIAMWAY	10	MIRIAM WAY	ARLISS DR	KINGSTON ST	1,122	32	35,904	R - Residential/Local	A - AC	48	8.78
MIRIAMWAY	20	MIRIAM WAY	KINGSTON ST	FAIRBURN DR	1,124	32	35,968	R - Residential/Local	A - AC	63	17.13
MIRIAMWAY	30	MIRIAM WAY	FAIRBURN DR	ETON DR	239	32	7,648	R - Residential/Local	A - AC	66	19.17
MOUNTVERNO	10	MOUNT VERNON AVE	MAIN ST	PICO ST	1,361	60	81,660	MiA - Minor Arterial (4)	A - AC	88	23.05
MOUNTVERNO	20	MOUNT VERNON AVE	PICO ST	VAN BUREN ST	1,323	60	79,380	MiA - Minor Arterial (4)	A - AC	84	21.32
MOUNTVERNO	30	MOUNT VERNON AVE	VAN BUREN ST	DE BERRY ST	1,324.65	60	79,479	MiA - Minor Arterial (4)	A - AC	0	0
MOUNTVERNO	40	MOUNT VERNON AVE	DE BERRY ST	BARTON RD	1,325	60	79,500	MiA - Minor Arterial (4)	A - AC	89	23.44
MOUNTVERNO	50	MOUNT VERNON AVE	BARTON RD	MINONA RD	591	60	35,460	MiA - Minor Arterial (4)	A - AC	83	20.86
MOUNTVERNO	60	MOUNT VERNON AVE	MINONA DR	BRENTWOOD ST	1,926.59	60	115,595.4	MiA - Minor Arterial (4)	A - AC	0	0
MOUNTVERNO	70	MOUNT VERNON AVE	BRENTWOOD ST	CITY LIMIT	319	60	19,140	MiA - Minor Arterial (4)	A - AC	48	6.45
NANDINAST	10	NANDINA ST	PRESTON ST	CANARY CT	320	32	10,240	R - Residential/Local	A - AC	41	5.9

Section PCI/RSL Listing

Printed: 02/15/2016

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
NAPACT	10	NAPA CT	FREMONTIA AVE	CDS	195	32	6,240	R - Residential/Local	A - AC	23	0
NEWPORT AVE	10	NEWPORT AVE	GRAND TERRACE RD	I-215	1,589	32	50,848	MaC - Major Collector (5)	A - AC	88	19.5
NEWPORT AVE	20	NEWPORT AVE	I-215	I-215	120	32	3,840	MaC - Major Collector (5)	A - AC	98	24.09
NEWPORT AVE	30	NEWPORT AVE	I-215	CANAL ST	240	32	7,680	MaC - Major Collector (5)	A - AC	95	23.05
NIGHTINGAL	10	NIGHTINGALE WAY	BLUEBIRD LN	KENTFIELD ST	496	32	15,872	R - Residential/Local	A - AC	89	31.78
OBSERVAT DR	10	OBSERVATION DR	PALM	DE BERRY ST	1,322	40	52,880	MaC - Major Collector (5)	A - AC	76	14.06
OBSERVAT ST	10	OBSERVATION ST	DE BERRY ST	VAN BUREN ST	1,380	32	44,160	MaC - Major Collector (5)	A - AC	68	10.9
ORANGEWOOD	10	ORANGEWOOD CT	CDS	OBSERVATION DR	208	32	6,656	R - Residential/Local	A - AC	54	12.15
ORANGEWOOD	20	ORANGEWOOD CT	OBSERVATION DR	END	543	32	17,376	R - Residential/Local	A - AC	25	0
ORIOLEAVE	10	ORIOLE AVE	LA PAIX ST	DE BERRY ST	527	32	16,864	R - Residential/Local	A - AC	31	1.84
ORIOLEAVE	20	ORIOLE AVE	CARDINAL ST	VAN BUREN ST	473	32	15,136	R - Residential/Local	A - AC	59	15.05
ORIOLEAVE	30	ORIOLE AVE	VAN BUREN ST	LARK ST	484	32	15,488	R - Residential/Local	A - AC	38	4.66
ORIOLEAVE	40	ORIOLE AVE	LARK ST	PICO ST	785	32	25,120	R - Residential/Local	A - AC	77	24.51
ORIOLEAVE	50	ORIOLE AVE	PICO ST	RAVEN WY	810	32	25,920	R - Residential/Local	A - AC	62	16.94
ORIOLEAVE	60	ORIOLE AVE	RAVEN WAY	E MAIN ST	552	32	17,664	R - Residential/Local	A - AC	62	16.94
PALIKAWAY	10	PALIKA WAY	CARDINAL ST	CDS	269	32	8,608	R - Residential/Local	A - AC	88	30.9
PALMAVE	10	PALM AVE	BOSTICK AVE	S LA CADENA DR	677	32	21,664	MiA - Minor Arterial (4)	A - AC	43	5.05
PALMAVE	20	PALM AVE	BARTON RD	KINGSTON RD	552	32	17,664	MaC - Major Collector (5)	A - AC	40	3.11
PALMAVE	30	PALM AVE	KINGSTON AVE	OBSERVATION DR	1,531	38	58,178	MaC - Major Collector (5)	A - AC	62	8.72
PALMAVE	40	PALM AVE	OBSERVATION DR	HONEY HILL DR	815	38	30,970	MaC - Major Collector (5)	A - AC	75	13.42

Section PCI/RSL Listing

Printed: 02/15/2016

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
PALMAVE	50	PALM AVE	HONEY HILL DR	END	2,021	22	44,462	R - Residential/Local	A - AC	51	10.26
PALMCT	10	PALM CT	PALM AVE	CDS	215	32	6,880	R - Residential/Local	A - AC	49	9.26
PARADISE ST	10	PARADISE ST	MERLE CT	PALM AVE	1,001	32	32,032	R - Residential/Local	A - AC	38	4.66
PASCALAV E	10	PASCAL AVE	VICTORIA ST	CARHART AVE	563	32	18,016	R - Residential/Local	A - AC	40	5.48
PASCALAV E	20	PASCAL AVE	LA PAIX ST	DE SOTO ST	363	32	11,616	R - Residential/Local	A - AC	68	18.59
PASCALAV E	30	PASCAL AVE	DE BERRY ST	CDS	1,065	32	34,080	R - Residential/Local	A - AC	50	9.74
PASCALAV E	40	PASCAL AVE	VAN BUREN ST	LARK ST	530	32	16,960	R - Residential/Local	A - AC	69	19.17
PASCALAV E	50	PASCAL AVE	EMERALD ST	PICO ST	474	32	15,168	R - Residential/Local	A - AC	83	27.88
PEACOCK CT	10	PEACOCK CT	PARADISE ST	CDS	413	32	13,216	R - Residential/Local	A - AC	57	13.85
PICOST	10	PICO ST	CDS (WEST END)	GARDEN AVE	571	40	22,840	MaC - Major Collector (5)	A - AC	92	21.93
PICOST	20	PICO ST	GARDEN AVE	MICHIGAN ST	824	40	32,960	MaC - Major Collector (5)	A - AC	89	20.37
PICOST	30	PICO ST	MICHIGAN ST	REED AVE	1,378	40	55,120	MaC - Major Collector (5)	A - AC	33	1.6
PICOST	40	PICO ST	REED AVE	MOUNT VERNON AVE	1,270	40	50,800	MaC - Major Collector (5)	A - AC	84	17.78
PICOST	50	PICO ST	MOUNT VERNON AVE	ORIOLE AVE	1,263	40	50,520	MaC - Major Collector (5)	A - AC	32	1.39
PICOST	60	PICO ST	ORIOLE AVE	EAST END	1,350	40	54,000	MaC - Major Collector (5)	A - AC	15	0
PRESTONS T	10	PRESTON ST	END	ETON DR	1,256	32	40,192	R - Residential/Local	A - AC	63	17.13
PRESTONS T	20	PRESTON ST	ETON DR	BARTON RD	451	32	14,432	R - Residential/Local	A - AC	69	19.17
PRESTONS T	30	PRESTON ST	BARTON RD	PALM AVE	917	32	29,344	R - Residential/Local	A - AC	59	14.63
PRUITCT	10	PRUIT CT	CDS	FRANKLIN ST	256	32	8,192	R - Residential/Local	A - AC	86	30.15
QUAILLN	10	QUAIL LN	CARDINAL ST	BLUEBIRD LN	244	32	7,808	R - Residential/Local	A - AC	88	31.26
RAVENWA Y	10	RAVEN WAY	MICHIGAN AVE	VIVIENDA AVE	522	32	16,704	R - Residential/Local	A - AC	60	15.66

Section PCI/RSL Listing

Printed: 02/15/2016

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
RAVENWAY	20	RAVEN WAY	MIRADO AVE	CDS	520	32	16,640	R - Residential/Local	A - AC	73	21.99
RAVENWAY	30	RAVEN WAY	MOUNT VERNON AVE	ORIOLE AVE	1,310	32	41,920	R - Residential/Local	A - AC	52	10.75
RAVENWAY	40	RAVEN WAY	ORIOLE AVE	END	1,229	32	39,328	R - Residential/Local	A - AC	71	20.35
REEDAVE	10	REED AVE	LA PAIX ST	DE BERRY ST	645	32	20,640	R - Residential/Local	A - AC	77	24.05
REEDAVE	20	REED AVE	CARDINAL ST	VAN BUREN ST	520	32	16,640	R - Residential/Local	A - AC	83	27.88
REEDAVE	30	REED AVE	VAN BUREN ST	LARK ST	538	32	17,216	R - Residential/Local	A - AC	62	16.48
REEDAVE	40	REED AVE	LARK ST	DOVE ST	510	32	16,320	R - Residential/Local	A - AC	65	18.47
REEDAVE	50	REED AVE	PICO ST	LADERA ST	1,130	32	36,160	R - Residential/Local	A - AC	61	16.3
RENELN	10	RENE LN	CDS (WEST END)	MICHIGAN AVE	660	24	15,840	R - Residential/Local	A - AC	10	0
ROBINWAY	10	ROBIN WAY	WARBLER AVE	ORIOLE AVE	1,133	32	36,256	R - Residential/Local	A - AC	49	9.25
ROBINWAY	20	ROBIN WAY	ORIOLE AVE	MIKE TODD LN	1,078	32	34,496	R - Residential/Local	A - AC	66	19.17
ROSEDALEAV	10	ROSEDALE AVE	W LITTON AVE	W SEVILLE ST	910	32	29,120	R - Residential/Local	A - AC	62	16.5
ROSEDALEAV	20	ROSEDALE AVE	W SEVILLE ST	PALM AVE	760	32	24,320	R - Residential/Local	A - AC	36	3.68
ROSEDALEAV	30	ROSEDALE AVE	PALM AVE	CL (SOUTH)	326	32	10,432	R - Residential/Local	A - AC	44	6.96
ROYALAVE	10	ROYAL AVE	PICO ST	END	628	30	18,840	R - Residential/Local	A - AC	40	5.48
SLACADENAD	10	S LA CADENA DR	W LITTON AVE	PALM AVE	3,403	64	217,792	R - Residential/Local	A - AC	64	17.86
SANBURGWAY	10	SANBURG WAY	CDS-NORTH END	PICO ST	618	23	14,214	R - Residential/Local	A - AC	56	13.27
SANBURGWAY	20	SANBURG WAY	PICO ST	CDS-SOUTH END	243	32	7,776	R - Residential/Local	A - AC	74	22.61
SISKINCT	10	SISKIN CT	PARADISE ST	CDS	392	32	12,544	R - Residential/Local	A - AC	45	7.66
STONEWOODD	10	STONEWOOD DR	LA PAIX ST	DE BERRY ST	635	32	20,320	R - Residential/Local	A - AC	71	20.35
TANAGERST	10	TANAGER ST	ROYAL AVE	MICHIGAN AVE	1,162	32	37,184	R - Residential/Local	A - AC	38	4.66
TANAGERST	20	TANAGER ST	MICHIGAN AVE	VIVIENDA AVE	529	32	16,928	R - Residential/Local	A - AC	81	27.06
TANAGERST	30	TANAGER ST	MIRADO AVE	CDS	523	32	16,736	R - Residential/Local	A - AC	76	23.87

Section PCI/RSL Listing

Printed: 02/15/2016

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
TANAGERST	40	TANAGER ST	DUTCH ST	ORIOLE AVE	624	32	19,968	R - Residential/Local	A - AC	60	15.23
TAYLORST	10	TAYLOR ST	END	W MAIN ST	2,479	32	79,328	R - Residential/Local	A - AC	62	16.5
TERRACEAV	10	TERRACE AVE	VIVIENDA AVE	WALNUT AVE	828	21	17,388	R - Residential/Local	A - AC	27	0.63
TERRACEAVE	20	TERRACE AVE	WALNUT AVE	BARTON RD	1,436	24	34,464	R - Residential/Local	A - AC	24	0
THAMESST	10	THAMES ST	BRENTWOOD ST	ETON DR	285	32	9,120	R - Residential/Local	A - AC	54	11.8
THOMASCT	10	THOMAS CT	EMERALD ST	CDS	186	32	5,952	R - Residential/Local	A - AC	79	25.33
THOMPSONDR	10	THOMPSON DR	GLENDORA DR	END	970	32	31,040	R - Residential/Local	A - AC	78	24.7
THRUSHST	10	THRUSH ST	WARBLER AVE	ORIOLE AVE	1,000	32	32,000	R - Residential/Local	A - AC	39	5.06
TOWNSENDDR	10	TOWNSEND DR	THOMPSON DR	END	674.11	32	21,571.55	R - Residential/Local	A - AC	55	12.36
VANBURENST	10	VAN BUREN ST	WEST END	MICHIGAN AVE	1,311	40	52,440	MaC - Major Collector (5)	A - AC	33	1.58
VANBURENST	20	VAN BUREN ST	MICHIGAN AVE	REED AVE (S)	1,224	40	48,960	MaC - Major Collector (5)	A - AC	44	4.02
VANBURENST	30	VAN BUREN ST	REED AVE (S)	MOUNT VERNON AVE	1,423	40	56,920	MaC - Major Collector (5)	A - AC	33	1.58
VANBURENST	40	VAN BUREN ST	MOUNT VERNON AVE	ORIOLE AVE	1,172	40	46,880	MaC - Major Collector (5)	A - AC	69	11.27
VANBURENST	50	VAN BUREN ST	ORIOLE AVE	CRANE ST	1,128	40	45,120	MaC - Major Collector (5)	A - AC	68	10.9
VANBURENST	60	VAN BUREN ST	CRANE ST	OBSERVATION DR	260	40	10,400	MaC - Major Collector (5)	A - AC	55	6.72
VICTORIAST	10	VICTORIA ST	PASCAL AVE	CANAL ST	224	32	7,168	R - Residential/Local	A - AC	14	0
VICTORIAST	20	VICTORIA ST	PRESTON ST	END	154	32	4,928	R - Residential/Local	A - AC	87	30.33
VISTAGRAND	10	VISTA GRANDE WAY	VISTA GRANDE WAY E	VISTA GRANDE WAY E	2,346	24	56,304	R - Residential/Local	A - AC	53	11.27
VISTAGRAN1	10	VISTA GRANDE WAY E	GRAND TERRACE RD	VISTA GRANDE WAY	510	32	16,320	R - Residential/Local	A - AC	20	0
VISTAGRAN1	20	VISTA GRANDE WAY E	VISTA GRANDE WAY	GRAND TERRACE RD	1,146	24	27,504	R - Residential/Local	A - AC	62	16.48

Section PCI/RSL Listing

Printed: 02/15/2016

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
VIVIENDAAV	10	VIVIENDA AVE	VIVIENDA AVE	TERRACE AVE	1,126	24	27,024	R - Residential/Local	A - AC	52	11.08
VIVIENDAAV	100	VIVIENDA AVE	VAN BUREN ST	LARK ST	527	32	16,864	R - Residential/Local	A - AC	50	10.05
VIVIENDAAV	110	VIVIENDA AVE	PICO ST	LADERA ST	1,120	32	35,840	R - Residential/Local	A - AC	61	16.3
VIVIENDAAV	20	VIVIENDA AVE	TERRACE AVE	MAPLE AVE	443	24	10,632	R - Residential/Local	A - AC	48	9.07
VIVIENDAAV	30	VIVIENDA AVE	MAPLE AVE	48' E/O BURNS AVE	1,001	24	24,024	R - Residential/Local	A - AC	61	16.3
VIVIENDAAV	40	VIVIENDA AVE	140' E/O BURNS AVE	GRAND TERRACE RD	343	24	8,232	R - Residential/Local	A - AC	77	24.51
VIVIENDAAV	50	VIVIENDA AVE	GRAND TERRACE RD	LA CROSSE AVE	1,096	32	35,072	R - Residential/Local	A - AC	78	25.14
VIVIENDAAV	60	VIVIENDA AVE	LA CROSSE AVE	END	265	24	6,360	R - Residential/Local	A - AC	82	27.7
VIVIENDAAV	70	VIVIENDA AVE	END	VIVIENDA AVE	320	32	10,240	R - Residential/Local	A - AC	13	0
VIVIENDAAV	80	VIVIENDA AVE	VIVIENDA CT	BARTON RD	633	32	20,256	R - Residential/Local	A - AC	33	2.73
VIVIENDAAV	90	VIVIENDA AVE	CDS	VAN BUREN ST	1,030	32	32,960	R - Residential/Local	A - AC	26	0.3
VIVIENDACT	10	VIVIENDA CT	CDS	VIVIENDA AVE	520	32	16,640	R - Residential/Local	A - AC	32	2.37
WLITTONAVE	10	W LITTON AVE	S ROSEDALE AVE	S LA CADENA DR	614	32	19,648	R - Residential/Local	A - AC	49	9.27
WMAINST	10	W MAIN ST	RR TRACKS (WEST END)	TAYLOR ST	1,511	16	24,176	MaC - Major Collector (5)	A - AC	87	19.34
WMAINST	20	W MAIN ST	TAYLOR ST	MICHIGAN AVE	2,648	20	52,960	MaC - Major Collector (5)	A - AC	84	17.8
WMAINST	30	W MAIN ST	MICHIGAN AVE	MOUNT VERNON AVE	2,634	30	79,020	MaC - Major Collector (5)	A - AC	82	16.79
WALNUTAVE	10	WALNUT AVE	TERRACE AVE	BURNS AVE	948	32	30,336	R - Residential/Local	A - AC	31	2.01
WARBLER AVE	10	WARBLER AVE	LA PAIX ST	DE BERRY ST	525	32	16,800	R - Residential/Local	A - AC	41	5.67
WARBLER AVE	20	WARBLER AVE	CARDINAL ST	VAN BUREN ST	481	32	15,392	R - Residential/Local	A - AC	47	8.59

Section PCI/RSL Listing

Printed: 02/15/2016

Street ID	Section ID	Street Name	From	To	Length	Width	Area	Functional Class	Surface Type	Current PCI	Remaining Life
WARBLER AVE	30	WARBLER AVE	VAN BUREN ST	FRANKLIN ST	1,059	32	33,888	R - Residential/Local	A - AC	89	31.78
WARBLER AVE	40	WARBLER AVE	RAVEN WY	ROBIN WY	246	32	7,872	R - Residential/Local	A - AC	38	4.47
WESTWOO DLN	10	WESTWOOD LN	WESTWOOD ST	CDS	416.05	32	13,313.72	R - Residential/Local	A - AC	85	29.14
WESTWOO DST	10	WESTWOOD ST	HONEY HILL DR	WESTWOOD LN	1,272	32	40,704	R - Residential/Local	A - AC	54	11.82
WHISTLER ST	10	WHISTLER ST	DE BERRY ST	CARDINAL ST	796	32	25,472	R - Residential/Local	A - AC	71	20.37
WILLETAV E	10	WILLET AVE	MAVIS ST	VAN BUREN ST	803	32	25,696	R - Residential/Local	A - AC	46	7.84
WILLETCT	10	WILLET CT	DE BERRY ST	CDS	281.3	32	9,001.7	R - Residential/Local	A - AC	76	23.42
WILMACAV E	10	WILMAC AVE	PICO ST	RAVEN WAY	809.16	32	25,893.04	R - Residential/Local	A - AC	59	14.62
WRENST	10	WREN ST	WHISTLER ST	OBSERVATION ST	1,090	32	34,880	R - Residential/Local	A - AC	79	25.34
WRENST	20	WREN ST	OBSERVATION ST	CDS	594	32	19,008	R - Residential/Local	A - AC	52	11.08

Total Section Length:	216,472
Total Section Area:	7,597,611

ATTACHMENT 2 – PROJECTED SCENARIO

Unlimited Funds

NEEDS – PROJECTED PCI/COST SUMMARY

NEEDS – SECTIONS SELECTED FOR TREATMENT

Needs - Projected PCI/Cost Summary

Inflation Rate = 3.00 % Printed: 02/12/2016

Year	PCI Treated	PCI Untreated	PM Cost	Rehab Cost	Cost
2016	78	60	$1,054,386	$6,104,435	$7,158,821
2017	80	57	$0	$1,644,802	$1,644,802
2018	83	55	$68,229	$2,703,035	$2,771,264
2019	83	53	$39,121	$1,213,331	$1,252,452
2020	83	50	$5,320	$459,986	$465,306

% PM	PM Total Cost	Rehab Total Cost	Total Cost
8.78%	$1,167,056	$12,125,589	$13,292,645

Needs - Sections Selected for Treatment

Interest: 5.00% Inflation: 3.00% Printed: 02/12/2016

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
Year: 2016									
BARTON RD	GLENDORA DR	CITY LIMIT	BARTONRD	90	OPA	AC	100	$180,880	THIN OVERLAY (1.5 INCHES) + DIG OUTS
CARDINAL ST	ORIOLE AVE	QUAIL LN	CARDINALST	30	R	AC	100	$70,667	THIN OVERLAY (1.5 INCHES) + DIG OUTS
DARWIN AVE	PICO ST	LADERA ST	DARWINAVE	20	R	AC	100	$61,494	THIN OVERLAY (1.5 INCHES) + DIG OUTS
FINCH ST	WHISTLER ST	OBSERVATION ST	FINCHST	10	R	AC	100	$55,360	THIN OVERLAY (1.5 INCHES) + DIG OUTS
FINCH ST	OBSERVATION	CDS	FINCHST	20	R	AC	100	$22,027	THIN OVERLAY (1.5 INCHES) + DIG OUTS
LARK ST	WARBLER AVE	ORIOLE AVE	LARKST	30	R	AC	100	$53,227	THIN OVERLAY (1.5 INCHES) + DIG OUTS
ORIOLE AVE	PICO ST	RAVEN WY	ORIOLEAVE	50	R	AC	100	$43,200	THIN OVERLAY (1.5 INCHES) + DIG OUTS
ORIOLE AVE	RAVEN WAY	E MAIN ST	ORIOLEAVE	60	R	AC	100	$29,440	THIN OVERLAY (1.5 INCHES) + DIG OUTS
PALM AVE	KINGSTON AVE	OBSERVATION DR	PALMAVE	30	MaC	AC	100	$109,892	THIN OVERLAY (1.5 INCHES) + DIG OUTS
PRESTON ST	END	ETON DR	PRESTONST	10	R	AC	100	$66,987	THIN OVERLAY (1.5 INCHES) + DIG OUTS
REED AVE	PICO ST	LADERA ST	REEDAVE	50	R	AC	100	$60,267	THIN OVERLAY (1.5 INCHES) + DIG OUTS
					Treatment Total			$753,441	
ARLISS CT	CDS	ARLIS DR	ARLISSCT	10	R	AC	91	$3,588	SLURRY SEAL + CRACK SEAL
ARLISS DELL	CDS	ARLISS DR	ARLISSDELL	10	R	AC	83	$2,001	SLURRY SEAL + CRACK SEAL
ARLISS DR	MINONA DR	KINGSTON ST	ARLISSDR	10	R	AC	77	$13,768	SLURRY SEAL + CRACK SEAL
ARLISS DR	ETON DR	PRESTON ST	ARLISSDR	30	R	AC	87	$7,803	SLURRY SEAL + CRACK SEAL
ARLISS DR	MINONA DR	BARTON RD	ARLISSDR	50	R	AC	90	$7,741	SLURRY SEAL + CRACK SEAL
BARTON RD	MOUNT VERNONN AVE	PALM AVE	BARTONRD	50	OPA	AC	92	$41,556	SLURRY SEAL + CRACK SEAL
BARTON RD	PALM AVE	PRESTON ST	BARTONRD	60	OPA	AC	92	$71,060	SLURRY SEAL + CRACK SEAL
BARTON RD	PRESTON ST	GRAND TERRACE RD	BARTONRD	70	OPA	AC	91	$51,680	SLURRY SEAL + CRACK SEAL
BARTON RD	GRAND TERRACE RD	GLENDORA DR	BARTONRD	80	OPA	AC	86	$13,185	SLURRY SEAL + CRACK SEAL
BLUEBIRD LN	NIGHTINGALE WAY	QUAL LN	BLUEBIRDLN	10	R	AC	77	$14,664	SLURRY SEAL + CRACK SEAL
BOSTICK AVE	CL (NORTH)	PALM AVE	BOSTICKAVE	10	R	AC	75	$8,178	SLURRY SEAL + CRACK SEAL
BROWNING ST	LADERA ST	W MAIN ST	BROWNINGST	10	R	AC	89	$2,253	SLURRY SEAL + CRACK SEAL
BURNS AVE	VIVIENDA AVE	WALNUT AVE	BURNSAVE	10	R	AC	72	$5,267	SLURRY SEAL + CRACK SEAL
CANAL ST	CARHART AVE	MCCLARREN ST	CANALST	30	MaC	AC	88	$2,045	SLURRY SEAL + CRACK SEAL
CARDINAL ST	PASCAL AVE	WILLET AVE	CARDINALST	10	R	AC	94	$10,354	SLURRY SEAL + CRACK SEAL
CARDINAL ST	OBSERVATION ST	CDS	CARDINALST	40	R	AC	89	$2,879	SLURRY SEAL + CRACK SEAL

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
CENTER CITY CT	MOUNT VERNON AVE	CDS	CENTERCITY	10	R	AC	93	$5,569	SLURRY SEAL + CRACK SEAL
CRANE ST	BLUEBIRD LN	VAN BUREN ST	CRANEST	10	R	AC	94	$2,688	SLURRY SEAL + CRACK SEAL
CRANE ST	VAN BUREN ST	LARK ST	CRANEST	20	R	AC	93	$6,297	SLURRY SEAL + CRACK SEAL
DARWIN AVE	VAN BUREN ST	KENTFIELD ST	DARWINAVE	10	R	AC	85	$4,754	SLURRY SEAL + CRACK SEAL
DE BERRY ST	ORIOLE AVE	OBSERVATION DR	DEBERRYST	50	MaC	AC	93	$40,000	SLURRY SEAL + CRACK SEAL
DE BERRY ST	OBSERVATION DR	CDS	DEBERRYST	60	MaC	AC	92	$14,712	SLURRY SEAL + CRACK SEAL
DE SOTO ST	STONEWOOD DR	PASCAL AVE	DESOTOST	10	R	AC	78	$4,011	SLURRY SEAL + CRACK SEAL
DICKENS CT	PICO ST	CDS	DICKENSCT	10	R	AC	74	$3,463	SLURRY SEAL + CRACK SEAL
DOVE ST	PASCAL AVE	REED AVE	DOVEST	10	R	AC	82	$7,893	SLURRY SEAL + CRACK SEAL
EMERALD ST	THOMAS CT	PASCAL AVE	EMERALDST	10	R	AC	85	$3,910	SLURRY SEAL + CRACK SEAL
EMERALD ST	PASCAL AVE	END	EMERALDST	20	R	AC	78	$2,925	SLURRY SEAL + CRACK SEAL
FAIRBURN DR	KINGSTON ST	MIRIAM WY	FAIRBURNDR	10	R	AC	85	$13,799	SLURRY SEAL + CRACK SEAL
FRANKLIN CT	FRANKLIN ST	CDS	FRANKLINCT	10	R	AC	72	$3,286	SLURRY SEAL + CRACK SEAL
FRANKLIN ST	WARBLER AVE	PRUIT CT	FRANKLINST	20	R	AC	72	$18,617	SLURRY SEAL + CRACK SEAL
FRANKLIN WAY	FRANKLIN ST	CDS	FRANKLINWA	10	R	AC	85	$2,390	SLURRY SEAL + CRACK SEAL
GRAND TERRACE RD	NEWPORT AVE	VIVIENDA AVE	GRANDTERR1	10	MaC	AC	89	$23,449	SLURRY SEAL + CRACK SEAL
GRAND TERRACE RD	VIVIENDA AVE	BARTON RD	GRANDTERR1	20	MaC	AC	94	$29,387	SLURRY SEAL + CRACK SEAL
GRAND TERRACE RD	MOUNT VERNON AVE	VISTA GRANDE WAY E	GRANDTERR1	30	MaC	AC	91	$20,800	SLURRY SEAL + CRACK SEAL
GRAND TERRACE RD	VISTA GRANDE WAY E	BARTON RD	GRANDTERR1	60	MaC	AC	85	$10,454	SLURRY SEAL + CRACK SEAL
HOLLY CT	ARLISS DR	CDS	HOLLYCT	10	R	AC	90	$1,868	SLURRY SEAL + CRACK SEAL
HOLLY ST	BRENTWOOD ST	ARLISS DR	HOLLYST	10	R	AC	90	$15,992	SLURRY SEAL + CRACK SEAL
KENTFIELD ST	MIRADO AVE	DARWIN AVE	KENTFIELDS	30	R	AC	88	$8,400	SLURRY SEAL + CRACK SEAL
KENTFIELD ST	NIGHTINGALE WAY	CRANE ST	KENTFIELDS	50	R	AC	93	$10,354	SLURRY SEAL + CRACK SEAL
KINGFISHER RD	CDS	PICO ST	KINGFISHER	10	R	AC	94	$5,513	SLURRY SEAL + CRACK SEAL
KINGSTON ST	ETON DR	ARLISS DR	KINGSTONST	10	R	AC	89	$9,645	SLURRY SEAL + CRACK SEAL
KINGSTON ST	MINONA DR	MIRIAM WY	KINGSTONST	30	R	AC	75	$8,818	SLURRY SEAL + CRACK SEAL
LA CROSSE AVE	VIVIENDA AVE	BARTON RD	LACROSSEAV	10	R	AC	86	$16,514	SLURRY SEAL + CRACK SEAL
LA CROSSE AVE	BARTON RD	LA CROSSE AVE	LACROSSEAV	20	R	AC	91	$10,018	SLURRY SEAL + CRACK SEAL
LA CROSSE AVE	LA CROSSE AVE	LA CROSSE AVE	LACROSSEAV	30	R	AC	93	$4,742	SLURRY SEAL + CRACK SEAL
LADERA ST	MICHIGAN AVE	VIVIENDA AVE	LADERAST	10	R	AC	71	$5,035	SLURRY SEAL + CRACK SEAL
LA PAIX ST	STONEWOOD DR	REED AVE	LAPAIXST	10	R	AC	88	$3,927	SLURRY SEAL + CRACK SEAL
LA PAIX ST	MIRADO AVE	DE SOTO ST	LAPAIXST	20	R	AC	92	$4,885	SLURRY SEAL + CRACK SEAL
LA PAIX ST	DE SOTO ST	MIRADO AVE	LAPAIXST	30	R	AC	92	$5,109	SLURRY SEAL + CRACK SEAL
LARK ST	ORIOLE AVE	CRANE ST	LARKST	40	R	AC	93	$12,445	SLURRY SEAL + CRACK SEAL

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
MAPLE AVE	VIVIENDA AVE	WALNUT AVE	MAPLEAVE	10	R	AC	71	$5,750	SLURRY SEAL + CRACK SEAL
MICHIGAN AVE	W MAIN ST	TANAGER ST	MICHIGANAV	10	MaC	AC	87	$26,467	SLURRY SEAL + CRACK SEAL
MICHIGAN AVE	TANAGER ST	PICO ST	MICHIGANAV	20	MaC	AC	84	$14,806	SLURRY SEAL + CRACK SEAL
MIKE TODD LN	RAVEN WAY	ROBIN WAY	MIKETODDLN	10	R	AC	85	$3,261	SLURRY SEAL + CRACK SEAL
MINONA DR	KINGSTON ST	ETON DR	MINONADR	20	R	AC	88	$14,399	SLURRY SEAL + CRACK SEAL
MIRIAM WAY	KINGSTON ST	FAIRBURN DR	MIRIAMWAY	20	R	AC	73	$15,986	SLURRY SEAL + CRACK SEAL
MIRIAM WAY	FAIRBURN DR	ETON DR	MIRIAMWAY	30	R	AC	75	$3,400	SLURRY SEAL + CRACK SEAL
MOUNT VERNON AVE	MAIN ST	PICO ST	MOUNTVERNO	10	MiA	AC	94	$45,367	SLURRY SEAL + CRACK SEAL
MOUNT VERNON AVE	PICO ST	VAN BUREN ST	MOUNTVERNO	20	MiA	AC	91	$44,100	SLURRY SEAL + CRACK SEAL
MOUNT VERNON AVE	DE BERRY ST	BARTON RD	MOUNTVERNO	40	MiA	AC	94	$44,167	SLURRY SEAL + CRACK SEAL
MOUNT VERNON AVE	BARTON RD	MINONA RD	MOUNTVERNO	50	MiA	AC	90	$19,700	SLURRY SEAL + CRACK SEAL
NEWPORT AVE	GRAND TERRACE RD	I-215	NEWPORTAVE	10	MaC	AC	93	$28,249	SLURRY SEAL + CRACK SEAL
NIGHTINGALE WAY	BLUEBIRD LN	KENTFIELD ST	NIGHTINGAL	10	R	AC	94	$6,173	SLURRY SEAL + CRACK SEAL
OBSERVATION DR	PALM	DE BERRY ST	OBSERVATDR	10	MaC	AC	84	$29,378	SLURRY SEAL + CRACK SEAL
ORIOLE AVE	LARK ST	PICO ST	ORIOLEAVE	40	R	AC	85	$9,769	SLURRY SEAL + CRACK SEAL
PALIKA WAY	CARDINAL ST	CDS	PALIKAWAY	10	R	AC	93	$3,348	SLURRY SEAL + CRACK SEAL
PASCAL AVE	LA PAIX ST	DE SOTO ST	PASCALAVE	20	R	AC	77	$5,163	SLURRY SEAL + CRACK SEAL
PASCAL AVE	VAN BUREN ST	LARK ST	PASCALAVE	40	R	AC	78	$7,538	SLURRY SEAL + CRACK SEAL
PASCAL AVE	EMERALD ST	PICO ST	PASCALAVE	50	R	AC	90	$5,899	SLURRY SEAL + CRACK SEAL
PICO ST	GARDEN AVE	MICHIGAN ST	PICOST	20	MaC	AC	94	$18,312	SLURRY SEAL + CRACK SEAL
PICO ST	REED AVE	MOUNT VERNON AVE	PICOST	40	MaC	AC	91	$28,223	SLURRY SEAL + CRACK SEAL
PRESTON ST	ETON DR	BARTON RD	PRESTONST	20	R	AC	78	$6,415	SLURRY SEAL + CRACK SEAL
PRUIT CT	CDS	FRANKLIN ST	PRUITCT	10	R	AC	92	$3,186	SLURRY SEAL + CRACK SEAL
QUAIL LN	CARDINAL ST	BLUEBIRD LN	QUAILLN	10	R	AC	94	$3,037	SLURRY SEAL + CRACK SEAL
RAVEN WAY	MICHIGAN AVE	VIVIENDA AVE	RAVENWAY	10	R	AC	71	$7,424	SLURRY SEAL + CRACK SEAL
RAVEN WAY	MIRADO AVE	CDS	RAVENWAY	20	R	AC	82	$6,472	SLURRY SEAL + CRACK SEAL
REED AVE	LA PAIX ST	DE BERRY ST	REEDAVE	10	R	AC	85	$8,027	SLURRY SEAL + CRACK SEAL
REED AVE	CARDINAL ST	VAN BUREN ST	REEDAVE	20	R	AC	90	$6,472	SLURRY SEAL + CRACK SEAL
REED AVE	VAN BUREN ST	LARK ST	REEDAVE	30	R	AC	72	$7,652	SLURRY SEAL + CRACK SEAL
REED AVE	LARK ST	DOVE ST	REEDAVE	40	R	AC	74	$7,254	SLURRY SEAL + CRACK SEAL
ROBIN WAY	ORIOLE AVE	MIKE TODD LN	ROBINWAY	20	R	AC	75	$15,332	SLURRY SEAL + CRACK SEAL
ROSEDALE AVE	W LITTON AVE	W SEVILLE ST	ROSEDALEAV	10	R	AC	72	$12,943	SLURRY SEAL + CRACK SEAL
SANBURG WAY	PICO ST	CDS-SOUTH END	SANBURGWAY	20	R	AC	83	$3,024	SLURRY SEAL + CRACK SEAL
S LA CADENA DR	W LITTON AVE	PALM AVE	SLACADENAD	10	R	AC	73	$96,797	SLURRY SEAL + CRACK SEAL

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
TANAGER ST	MICHIGAN AVE	VIVIENDA AVE	TANAGERST	20	R	AC	89	$6,584	SLURRY SEAL + CRACK SEAL
TANAGER ST	MIRADO AVE	CDS	TANAGERST	30	R	AC	84	$6,509	SLURRY SEAL + CRACK SEAL
TAYLOR ST	END	W MAIN ST	TAYLORST	10	R	AC	72	$35,257	SLURRY SEAL + CRACK SEAL
THOMAS CT	EMERALD ST	CDS	THOMASCT	10	R	AC	86	$2,315	SLURRY SEAL + CRACK SEAL
THOMPSON DR	GLENDORA DR	END	THOMPSONDR	10	R	AC	85	$12,072	SLURRY SEAL + CRACK SEAL
VICTORIA ST	PRESTON ST	END	VICTORIAST	20	R	AC	93	$1,917	SLURRY SEAL + CRACK SEAL
VISTA GRANDE WAY E	VISTA GRANDE WAY	GRAND TERRACE RD	VISTAGRAN1	20	R	AC	72	$12,224	SLURRY SEAL + CRACK SEAL
VIVIENDA AVE	PICO ST	LADERA ST	VIVIENDAAV	110	R	AC	72	$15,929	SLURRY SEAL + CRACK SEAL
VIVIENDA AVE	MAPLE AVE	48' E/O BURNS AVE	VIVIENDAAV	30	R	AC	72	$10,678	SLURRY SEAL + CRACK SEAL
VIVIENDA AVE	140' E/O BURNS AVE	GRAND TERRACE RD	VIVIENDAAV	40	R	AC	85	$3,202	SLURRY SEAL + CRACK SEAL
VIVIENDA AVE	GRAND TERRACE RD	LA CROSSE AVE	VIVIENDAAV	50	R	AC	86	$13,640	SLURRY SEAL + CRACK SEAL
VIVIENDA AVE	LA CROSSE AVE	END	VIVIENDAAV	60	R	AC	89	$2,474	SLURRY SEAL + CRACK SEAL
WARBLER AVE	VAN BUREN ST	FRANKLIN ST	WARBLERAVE	30	R	AC	94	$13,179	SLURRY SEAL + CRACK SEAL
WESTWOOD LN	WESTWOOD ST	CDS	WESTWOODLN	10	R	AC	91	$5,178	SLURRY SEAL + CRACK SEAL
WILLET CT	DE BERRY ST	CDS	WILLETCT	10	R	AC	84	$3,501	SLURRY SEAL + CRACK SEAL
W MAIN ST	RR TRACKS (WEST END)	TAYLOR ST	WMAINST	10	MaC	AC	93	$13,432	SLURRY SEAL + CRACK SEAL
W MAIN ST	TAYLOR ST	MICHIGAN AVE	WMAINST	20	MaC	AC	91	$29,423	SLURRY SEAL + CRACK SEAL
W MAIN ST	MICHIGAN AVE	MOUNT VERNON AVE	WMAINST	30	MaC	AC	89	$43,900	SLURRY SEAL + CRACK SEAL
WREN ST	WHISTLER ST	OBSERVATION ST	WRENST	10	R	AC	86	$13,565	SLURRY SEAL + CRACK SEAL
					Treatment Total			$1,408,160	
BLUE MOUNTAIN CT	PICO ST	CDS	BLUEMOUNTA	10	R	AC	100	$36,256	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
CANARY CT	MERLE CT	CDS	CANARY CT	10	R	AC	100	$45,689	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
CARDINAL CT	MICHIGAN AVE	CDS	CARDINALCT	10	R	AC	100	$42,291	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
KENTFIELD ST	WARBLER AVE	ORIOLE AVE	KENTFIELDS	40	R	AC	100	$88,889	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
KINGSTON ST	LA PAIX ST	DE SOTO ST	KINGSTONST	40	R	AC	100	$22,400	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
LADERA ST	FREMONTIA AVE	REED AVE	LADERAST	20	R	AC	100	$47,823	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
MERLE CT	CANARY CT	CDS	MERLECT	10	R	AC	100	$73,334	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
NAPA CT	FREMONTIA AVE	CDS	NAPACT	10	R	AC	100	$17,334	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
RENE LN	CDS (WEST END)	MICHIGAN AVE	RENELN	10	R	AC	100	$44,000	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
TERRACE AVE	WALNUT AVE	BARTON RD	TERRACEAVE	20	R	AC	100	$95,734	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
VICTORIA ST	PASCAL AVE	CANAL ST	VICTORIAST	10	R	AC	100	$19,912	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
VISTA GRANDE WAY E	GRAND TERRACE RD	VISTA GRANDE WAY	VISTAGRAN1	10	R	AC	100	$45,334	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
VIVIENDA AVE	END	VIVIENDA AVE	VIVIENDAAV	70	R	AC	100	$28,445	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
					Treatment Total			$607,441	
E MAIN ST	MOUNT VERNON AVE	ORIOLE AVE	EMAINST	10	MaC	AC	100	$186,200	RECONSTRUCT STRUCTURE (AC)
MICHIGAN AVE	PICO ST	VAN BUREN ST	MICHIGANAV	30	MaC	AC	100	$310,786	RECONSTRUCT STRUCTURE (AC)
MOUNT VERNON AVE	VAN BUREN ST	DE BERRY ST	MOUNTVERNO	30	MiA	AC	100	$574,015	RECONSTRUCT STRUCTURE (AC)
MOUNT VERNON AVE	MINONA DR	BRENTWOOD ST	MOUNTVERNO	60	MiA	AC	100	$834,856	RECONSTRUCT STRUCTURE (AC)
PICO ST	ORIOLE AVE	EAST END	PICOST	60	MaC	AC	100	$360,000	RECONSTRUCT STRUCTURE (AC)
					Treatment Total			$2,265,857	
ARLISS DR	PRESTON ST	END	ARLISSDR	40	R	AC	100	$23,876	THICK AC OVERLAY(2.5 INCHES)
ARLISS WAY	CDS	ARLISS DR	ARLISSWAY	10	R	AC	100	$10,013	THICK AC OVERLAY(2.5 INCHES)
BARTON RD	RR TRACKS (CL)	I-215 (W)	BARTONRD	10	MiA	AC	100	$94,880	THICK AC OVERLAY(2.5 INCHES)
BARTON RD	I-215 (W)	I-215 (E)	BARTONRD	20	MiA	AC	100	$46,800	THICK AC OVERLAY(2.5 INCHES)
CONDOR CT	FRANKLIN ST	CDS	CONDORCT	10	R	AC	100	$12,452	THICK AC OVERLAY(2.5 INCHES)
COUNTRY CLUB LN	PALM AVE	DOS RIOS AVE	COUNTRYCLU	10	R	AC	100	$61,775	THICK AC OVERLAY(2.5 INCHES)
DE SOTO ST	KINGSTON ST	DOS RIOS AVE	DESOTOST	40	R	AC	100	$57,906	THICK AC OVERLAY(2.5 INCHES)
DOS RIOS AVE	PALM AVE	COUNTRY CLUB LN	DOSRIOSAVE	10	R	AC	100	$34,756	THICK AC OVERLAY(2.5 INCHES)
DUTCH ST	PICO ST	TANAGER ST	DUTCHST	10	R	AC	100	$32,882	THICK AC OVERLAY(2.5 INCHES)
ETON DR	THAMES ST	PRESTON ST	ETONDR	20	R	AC	100	$91,392	THICK AC OVERLAY(2.5 INCHES)
FLAMINGO ST	MICHIGAN AVE	CDS	FLAMINGOST	10	R	AC	100	$16,744	THICK AC OVERLAY(2.5 INCHES)
GLENDORA DR	BARTON RD	END	GLENDORADR	10	R	AC	100	$99,492	THICK AC OVERLAY(2.5 INCHES)
HONEY HILL DR	BARTON RD	WESTWOOD ST	HONEYHILLD	10	R	AC	100	$38,080	THICK AC OVERLAY(2.5 INCHES)
HONEY HILL DR	WESTWOOD ST	PALM AVE	HONEYHILLD	20	R	AC	100	$81,056	THICK AC OVERLAY(2.5 INCHES)
JENSEN CT	CDS-W END	OBSERVATION DR	JENSENCT	10	R	AC	100	$8,946	THICK AC OVERLAY(2.5 INCHES)
LARK ST	REED AVE	CDS	LARKST	20	R	AC	100	$7,375	THICK AC OVERLAY(2.5 INCHES)
MICHIGAN AVE	DE BERRY ST	COMMERCE WAY	MICHIGANAV	50	MaC	AC	100	$34,923	THICK AC OVERLAY(2.5 INCHES)
MIRADO AVE	VAN BUREN ST	FRANKLIN ST	MIRADOAVE	20	R	AC	100	$57,846	THICK AC OVERLAY(2.5 INCHES)
MIRADO AVE	PICO ST	LADERA ST	MIRADOAVE	30	R	AC	100	$68,182	THICK AC OVERLAY(2.5 INCHES)
MIRIAM WAY	ARLISS DR	KINGSTON ST	MIRIAMWAY	10	R	AC	100	$67,819	THICK AC OVERLAY(2.5 INCHES)

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
MOUNT VERNON AVE	BRENTWOOD ST	CITY LIMIT	MOUNTVERNO	70	MiA	AC	100	$51,040	THICK AC OVERLAY(2.5 INCHES)
NANDINA ST	PRESTON ST	CANARY CT	NANDINAST	10	R	AC	100	$19,343	THICK AC OVERLAY(2.5 INCHES)
PALM AVE	BOSTICK AVE	S LA CADENA DR	PALMAVE	10	MiA	AC	100	$57,771	THICK AC OVERLAY(2.5 INCHES)
PALM AVE	BARTON RD	KINGSTON RD	PALMAVE	20	MaC	AC	100	$39,254	THICK AC OVERLAY(2.5 INCHES)
PALM CT	PALM AVE	CDS	PALMCT	10	R	AC	100	$12,996	THICK AC OVERLAY(2.5 INCHES)
PASCAL AVE	VICTORIA ST	CARHART AVE	PASCALAVE	10	R	AC	100	$34,031	THICK AC OVERLAY(2.5 INCHES)
PASCAL AVE	DE BERRY ST	CDS	PASCALAVE	30	R	AC	100	$64,374	THICK AC OVERLAY(2.5 INCHES)
ROBIN WAY	WARBLER AVE	ORIOLE AVE	ROBINWAY	10	R	AC	100	$68,484	THICK AC OVERLAY(2.5 INCHES)
ROSEDALE AVE	PALM AVE	CL (SOUTH)	ROSEDALEAV	30	R	AC	100	$19,705	THICK AC OVERLAY(2.5 INCHES)
ROYAL AVE	PICO ST	END	ROYALAVE	10	R	AC	100	$35,587	THICK AC OVERLAY(2.5 INCHES)
SISKIN CT	PARADISE ST	CDS	SISKINCT	10	R	AC	100	$23,695	THICK AC OVERLAY(2.5 INCHES)
VAN BUREN ST	MICHIGAN AVE	REED AVE (S)	VANBURENST	20	MaC	AC	100	$108,800	THICK AC OVERLAY(2.5 INCHES)
VIVIENDA AVE	TERRACE AVE	MAPLE AVE	VIVIENDAAV	20	R	AC	100	$20,083	THICK AC OVERLAY(2.5 INCHES)
WARBLER AVE	LA PAIX ST	DE BERRY ST	WARBLERAVE	10	R	AC	100	$31,734	THICK AC OVERLAY(2.5 INCHES)
WARBLER AVE	CARDINAL ST	VAN BUREN ST	WARBLERAVE	20	R	AC	100	$29,074	THICK AC OVERLAY(2.5 INCHES)
WILLET AVE	MAVIS ST	VAN BUREN ST	WILLETAVE	10	R	AC	100	$48,537	THICK AC OVERLAY(2.5 INCHES)
W LITTON AVE	S ROSEDALE AVE	S LA CADENA DR	WLITTONAVE	10	R	AC	100	$37,113	THICK AC OVERLAY(2.5 INCHES)
					Treatment Total			$1,648,816	
CANAL ST	MT VERNON AVE	VICTORIA ST	CANALST	10	MaC	AC	100	$125,840	THIN AC OVERLAY(1.5 INCHES)
GRAND TERRACE RD	VISTA GRANDE WAY E	GRAND TERRACE CT	GRANDTERR1	40	MaC	AC	100	$35,407	THIN AC OVERLAY(1.5 INCHES)
MICHIGAN AVE	VAN BUREN ST	DE BERRY ST	MICHIGANAV	40	MaC	AC	100	$67,088	THIN AC OVERLAY(1.5 INCHES)
MICHIGAN AVE	COMMERCE WAY	BARTON RD	MICHIGANAV	60	MaC	AC	100	$50,094	THIN AC OVERLAY(1.5 INCHES)
OBSERVATION ST	DE BERRY ST	VAN BUREN ST	OBSERVATST	10	MaC	AC	100	$63,787	THIN AC OVERLAY(1.5 INCHES)
VAN BUREN ST	MOUNT VERNON AVE	ORIOLE AVE	VANBURENST	40	MaC	AC	100	$67,716	THIN AC OVERLAY(1.5 INCHES)
VAN BUREN ST	ORIOLE AVE	CRANE ST	VANBURENST	50	MaC	AC	100	$65,174	THIN AC OVERLAY(1.5 INCHES)
					Treatment Total			$475,106	
					Year 2016 Total			$7,158,821	

Year: 2017

FLAMINGO ST	MIRADO AVE	DARWIN AVE	FLAMINGOST	20	R	AC	79	$11,793	SLURRY SEAL + CRACK SEAL
LADERA ST	MICHIGAN AVE	VIVIENDA AVE	LADERAST	10	R	AC	79	$5,186	SLURRY SEAL + CRACK SEAL
MAPLE AVE	VIVIENDA AVE	WALNUT AVE	MAPLEAVE	10	R	AC	79	$5,922	SLURRY SEAL + CRACK SEAL
RAVEN WAY	MICHIGAN AVE	VIVIENDA AVE	RAVENWAY	10	R	AC	79	$7,647	SLURRY SEAL + CRACK SEAL

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
RAVEN WAY	ORIOLE AVE	END	RAVENWAY	40	R	AC	78	$18,004	SLURRY SEAL + CRACK SEAL
STONEWOOD DR	LA PAIX ST	DE BERRY ST	STONEWOODD	10	R	AC	78	$9,303	SLURRY SEAL + CRACK SEAL
WHISTLER ST	DE BERRY ST	CARDINAL ST	WHISTLERST	10	R	AC	78	$11,661	SLURRY SEAL + CRACK SEAL
					Treatment Total			$69,516	
ARLISS LN	CDS	ARLISS DR	ARLISSLN	10	R	AC	100	$11,055	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
ARLISS LN	ARLISS DR	CDS	ARLISSLN	20	R	AC	100	$19,247	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
DOS RIOS AVE	COUNTRY CLUB LN	DE BERRY ST	DOSRIOSAVE	20	R	AC	100	$79,745	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
FRANKLIN ST	MIRADO AVE	MOUNT VERNON AVE	FRANKLINST	10	R	AC	100	$86,063	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
FREMONTIA AVE	REED AVE	W MAIN ST	FREMONTIAA	10	R	AC	100	$114,811	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
MAVIS ST	MICHIGAN AVE	VIVIENDA AVE	MAVISST	10	R	AC	100	$48,159	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
MCCLARREN ST	VIVIENDA AVE	CANAL ST	MCCLARRENS	10	R	AC	100	$102,083	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
ORANGEWOOD CT	OBSERVATION DR	END	ORANGEWOOD	20	R	AC	100	$49,715	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
TERRACE AVE	VIVIENDA AVE	WALNUT AVE	TERRACEAV	10	R	AC	100	$49,749	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
VIVIENDA AVE	CDS	VAN BUREN ST	VIVIENDAAV	90	R	AC	100	$94,303	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
					Treatment Total			$654,930	
BARTON RD	I-215 (E)	VIVIENDA AVE	BARTONRD	30	OPA	AC	100	$121,118	THICK AC OVERLAY(2.5 INCHES)
BARTON RD	VIVIENDA AVE	MOUNT VERNON AVE	BARTONRD	40	OPA	AC	100	$441,906	THICK AC OVERLAY(2.5 INCHES)
ETON DR	HOLLY ST	THAMES ST	ETONDR	10	R	AC	100	$73,153	THICK AC OVERLAY(2.5 INCHES)
HONEY HILL CT	CDS	HONEY HILL DR	HONEYHILLC	10	R	AC	100	$7,845	THICK AC OVERLAY(2.5 INCHES)
MAVIS ST	PASCAL AVE	WILLET AVE	MAVISST	20	R	AC	100	$48,562	THICK AC OVERLAY(2.5 INCHES)
PALM AVE	HONEY HILL DR	END	PALMAVE	50	R	AC	100	$86,504	THICK AC OVERLAY(2.5 INCHES)
RAVEN WAY	MOUNT VERNON AVE	ORIOLE AVE	RAVENWAY	30	R	AC	100	$81,558	THICK AC OVERLAY(2.5 INCHES)
VIVIENDA AVE	VAN BUREN ST	LARK ST	VIVIENDAAV	100	R	AC	100	$32,810	THICK AC OVERLAY(2.5 INCHES)
					Treatment Total			$893,456	
E MAIN ST	ORIOLE AVE	EAST END	EMAINST	20	MaC	AC	100	$26,900	THIN AC OVERLAY(1.5 INCHES)
					Treatment Total			$26,900	
					Year 2017 Total			$1,644,802	

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
Year: 2018									
LADERA ST	MIRADO AVE	DARWIN AVE	LADERAST	30	R	AC	100	$44,417	THIN OVERLAY (1.5 INCHES) + DIG OUTS
					Treatment Total			$44,417	
ARLISS DR	KINGSTON ST	ETON DR	ARLISSDR	20	R	AC	78	$22,271	SLURRY SEAL + CRACK SEAL
BURNS AVE	VIVIENDA AVE	WALNUT AVE	BURNSAVE	10	R	AC	78	$5,588	SLURRY SEAL + CRACK SEAL
DE BERRY ST	MICHIGAN ST	REED AVE	DEBERRYST	20	MaC	AC	95	$29,069	SLURRY SEAL + CRACK SEAL
DE BERRY ST	MOUNT VERNON	ORIOLE AVE	DEBERRYST	40	MaC	AC	94	$25,698	SLURRY SEAL + CRACK SEAL
FRANKLIN CT	FRANKLIN ST	CDS	FRANKLINCT	10	R	AC	78	$3,486	SLURRY SEAL + CRACK SEAL
FRANKLIN ST	WARBLER AVE	PRUIT CT	FRANKLINST	20	R	AC	78	$19,751	SLURRY SEAL + CRACK SEAL
PICO ST	CDS (WEST END)	GARDEN AVE	PICOST	10	MaC	AC	94	$13,462	SLURRY SEAL + CRACK SEAL
REED AVE	VAN BUREN ST	LARK ST	REEDAVE	30	R	AC	78	$8,118	SLURRY SEAL + CRACK SEAL
ROSEDALE AVE	W LITTON AVE	W SEVILLE ST	ROSEDALEAV	10	R	AC	78	$13,731	SLURRY SEAL + CRACK SEAL
TAYLOR ST	END	W MAIN ST	TAYLORST	10	R	AC	78	$37,405	SLURRY SEAL + CRACK SEAL
VISTA GRANDE WAY E	VISTA GRANDE WAY	GRAND TERRACE RD	VISTAGRAN1	20	R	AC	78	$12,969	SLURRY SEAL + CRACK SEAL
VIVIENDA AVE	PICO ST	LADERA ST	VIVIENDAAV	110	R	AC	78	$16,899	SLURRY SEAL + CRACK SEAL
VIVIENDA AVE	MAPLE AVE	48' E/O BURNS AVE	VIVIENDAAV	30	R	AC	78	$11,328	SLURRY SEAL + CRACK SEAL
					Treatment Total			$219,775	
CARHART AVE	VIVIENDA CT	CANAL ST	CARHARTAVE	10	R	AC	100	$80,252	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
DE SOTO ST	WARBLER AVE	ORIOLE AVE	DESOTOST	30	R	AC	100	$87,419	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
GRAND TERRACE CT	GRAND TERRACE RD	CDS	GRANDTERRA	10	R	AC	100	$26,251	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
ORIOLE AVE	LA PAIX ST	DE BERRY ST	ORIOLEAVE	10	R	AC	100	$49,698	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
					Treatment Total			$243,620	
PICO ST	MICHIGAN ST	REED AVE	PICOST	30	MaC	AC	100	$389,846	RECONSTRUCT STRUCTURE (AC)
PICO ST	MOUNT VERNON AVE	ORIOLE AVE	PICOST	50	MaC	AC	100	$357,312	RECONSTRUCT STRUCTURE (AC)
VAN BUREN ST	WEST END	MICHIGAN AVE	VANBURENST	10	MaC	AC	100	$370,891	RECONSTRUCT STRUCTURE (AC)
VAN BUREN ST	REED AVE (S)	MOUNT VERNON AVE	VANBURENST	30	MaC	AC	100	$402,577	RECONSTRUCT STRUCTURE (AC)
					Treatment Total			$1,520,626	
BRENTWOOD ST	HOLLY ST	THAMES ST	BRENTWOODS	20	MaC	AC	100	$89,035	THICK AC OVERLAY(2.5 INCHES)
BRENTWOOD ST	THAMES ST	PRESTON ST	BRENTWOODS	30	MaC	AC	100	$85,249	THICK AC OVERLAY(2.5 INCHES)
BROWNING CT	FRANKLIN ST	CDS	BROWNINGCT	10	R	AC	100	$14,369	THICK AC OVERLAY(2.5 INCHES)

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
CANAL ST	MCCLARREN ST	BARTON RD	CANALST	40	MaC	AC	100	$35,684	THICK AC OVERLAY(2.5 INCHES)
EAGLE CT	CDS	FRANKLIN ST	EAGLECT	10	R	AC	100	$13,082	THICK AC OVERLAY(2.5 INCHES)
GARDEN AVE	PICO ST	CDS	GARDENAVE	20	R	AC	100	$33,859	THICK AC OVERLAY(2.5 INCHES)
LA PAIX ST	WARBLER AVE	ORIOLE AVE	LAPAIXST	40	R	AC	100	$59,958	THICK AC OVERLAY(2.5 INCHES)
THAMES ST	BRENTWOOD ST	ETON DR	THAMESST	10	R	AC	100	$18,276	THICK AC OVERLAY(2.5 INCHES)
VAN BUREN ST	CRANE ST	OBSERVATION DR	VANBURENST	60	MaC	AC	100	$24,519	THICK AC OVERLAY(2.5 INCHES)
VISTA GRANDE WAY	VISTA GRANDE WAY E	VISTA GRANDE WAY E	VISTAGRAND	10	R	AC	100	$112,829	THICK AC OVERLAY(2.5 INCHES)
VIVIENDA AVE	VIVIENDA AVE	TERRACE AVE	VIVIENDAAV	10	R	AC	100	$54,154	THICK AC OVERLAY(2.5 INCHES)
WESTWOOD ST	HONEY HILL DR	WESTWOOD LN	WESTWOODST	10	R	AC	100	$81,568	THICK AC OVERLAY(2.5 INCHES)
WREN ST	OBSERVATION ST	CDS	WRENST	20	R	AC	100	$38,091	THICK AC OVERLAY(2.5 INCHES)
					Treatment Total			$660,673	
CANAL ST	VICTORIA ST	CARHART AVE	CANALST	20	MaC	AC	100	$34,694	THIN AC OVERLAY(1.5 INCHES)
PALM AVE	OBSERVATION DR	HONEY HILL DR	PALMAVE	40	MaC	AC	100	$47,459	THIN AC OVERLAY(1.5 INCHES)
					Treatment Total			$82,153	
					Year 2018 Total			$2,771,264	

Year: 2019

DE BERRY ST	REED AVE	MOUNT VERNON AVE	DEBERRYST	30	MaC	AC	94	$34,458	SLURRY SEAL + CRACK SEAL
MIRIAM WAY	KINGSTON ST	FAIRBURN DR	MIRIAMWAY	20	R	AC	78	$17,469	SLURRY SEAL + CRACK SEAL
NEWPORT AVE	I-215	CANAL ST	NEWPORTAVE	30	MaC	AC	94	$4,663	SLURRY SEAL + CRACK SEAL
					Treatment Total			$56,590	
GARDEN AVE	CDS	PICO ST	GARDENAVE	10	R	AC	100	$23,312	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
MINONA DR	ETON DR	PRESTON ST	MINONADR	30	R	AC	100	$46,818	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
VIVIENDA AVE	VIVIENDA CT	BARTON RD	VIVIENDAAV	80	R	AC	100	$61,485	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
VIVIENDA CT	CDS	VIVIENDA AVE	VIVIENDACT	10	R	AC	100	$50,509	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
WALNUT AVE	TERRACE AVE	BURNS AVE	WALNUTAVE	10	R	AC	100	$92,081	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
					Treatment Total			$274,205	
BRENTWOOD ST	MOUNT VERNON AVE	HOLLY ST	BRENTWOODS	10	MaC	AC	100	$71,176	RECONSTRUCT STRUCTURE (AC)
GRAND TERRACE RD	GRAND TERRACE CT	VISTA GRANDE WAY E	GRANDTERR1	50	MaC	AC	100	$381,610	RECONSTRUCT STRUCTURE (AC)
					Treatment Total			$452,786	

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
CARDINAL ST	WARBLER AVE	ORIOLE AVE	CARDINALST	20	R	AC	100	$65,852	THICK AC OVERLAY(2.5 INCHES)
COMMERCE WAY	END	MICHIGAN ST	COMMERCEWA	10	R	AC	100	$114,431	THICK AC OVERLAY(2.5 INCHES)
DE BERRY ST	WEST END	MICHIGAN ST	DEBERRYST	10	MaC	AC	100	$174,643	THICK AC OVERLAY(2.5 INCHES)
KENTFIELD ST	REED AVE	CDS	KENTFIELDS	20	R	AC	100	$12,616	THICK AC OVERLAY(2.5 INCHES)
KINGSTON ST	ARLISS DR	MINONA DR	KINGSTONST	20	R	AC	100	$43,065	THICK AC OVERLAY(2.5 INCHES)
ORANGEWOOD CT	CDS	OBSERVATION DR	ORANGEWOOD	10	R	AC	100	$13,739	THICK AC OVERLAY(2.5 INCHES)
TOWNSEND DR	THOMPSON DR	END	TOWNSENDDR	10	R	AC	100	$44,525	THICK AC OVERLAY(2.5 INCHES)
					Treatment Total			$468,871	
					Year 2019 Total			$1,252,452	

Year: 2020

DICKENS CT	PICO ST	CDS	DICKENSCT	10	R	AC	78	$3,897	SLURRY SEAL + CRACK SEAL
NEWPORT AVE	I-215	I-215	NEWPORTAVE	20	MaC	AC	94	$2,402	SLURRY SEAL + CRACK SEAL
REED AVE	LARK ST	DOVE ST	REEDAVE	40	R	AC	78	$8,164	SLURRY SEAL + CRACK SEAL
S LA CADENA DR	W LITTON AVE	PALM AVE	SLACADENAD	10	R	AC	78	$108,946	SLURRY SEAL + CRACK SEAL
					Treatment Total			$123,409	
DE SOTO ST	MIRADO AVE	MOUNT VERNON AVE	DESOTOST	20	R	AC	100	$83,538	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
FULMAR PL	PASCAL AVE	CDS	FULMARPL	10	R	AC	100	$32,309	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
ROSEDALE AVE	W SEVILLE ST	PALM AVE	ROSEDALEAV	20	R	AC	100	$76,035	THICK AC OVERLAY (2.5 INCHES) +DIG OUTS
					Treatment Total			$191,882	
ARLISS CT	CDS	ARLIS DR	ARLISSCT	10	R	AC	85	$15	SEAL CRACKS
ARLISS DELL	CDS	ARLISS DR	ARLISSDELL	10	R	AC	79	$13	SEAL CRACKS
ARLISS DR	MINONA DR	KINGSTON ST	ARLISSDR	10	R	AC	73	$100	SEAL CRACKS
ARLISS DR	ETON DR	PRESTON ST	ARLISSDR	30	R	AC	82	$41	SEAL CRACKS
ARLISS DR	PRESTON ST	END	ARLISSDR	40	R	AC	88	$6	SEAL CRACKS
ARLISS DR	MINONA DR	BARTON RD	ARLISSDR	50	R	AC	84	$35	SEAL CRACKS
ARLISS WAY	CDS	ARLISS DR	ARLISSWAY	10	R	AC	88	$3	SEAL CRACKS
BLUEBIRD LN	NIGHTINGALE WAY	QUAL LN	BLUEBIRDLN	10	R	AC	74	$105	SEAL CRACKS
BLUE MOUNTAIN CT	PICO ST	CDS	BLUEMOUNTA	10	R	AC	88	$6	SEAL CRACKS
BOSTICK AVE	CL (NORTH)	PALM AVE	BOSTICKAVE	10	R	AC	73	$60	SEAL CRACKS
BROWNING ST	LADERA ST	W MAIN ST	BROWNINGST	10	R	AC	83	$11	SEAL CRACKS
CANARY CT	MERLE CT	CDS	CANARY CT	10	R	AC	88	$8	SEAL CRACKS

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
CARDINAL CT	MICHIGAN AVE	CDS	CARDINALCT	10	R	AC	88	$7	SEAL CRACKS
CARDINAL ST	PASCAL AVE	WILLET AVE	CARDINALST	10	R	AC	86	$38	SEAL CRACKS
CARDINAL ST	ORIOLE AVE	QUAIL LN	CARDINALST	30	R	AC	88	$20	SEAL CRACKS
CARDINAL ST	OBSERVATION ST	CDS	CARDINALST	40	R	AC	84	$14	SEAL CRACKS
CENTER CITY CT	MOUNT VERNON AVE	CDS	CENTERCITY	10	R	AC	86	$22	SEAL CRACKS
CONDOR CT	FRANKLIN ST	CDS	CONDORCT	10	R	AC	88	$4	SEAL CRACKS
COUNTRY CLUB LN	PALM AVE	DOS RIOS AVE	COUNTRYCLU	10	R	AC	88	$16	SEAL CRACKS
CRANE ST	BLUEBIRD LN	VAN BUREN ST	CRANEST	10	R	AC	87	$10	SEAL CRACKS
CRANE ST	VAN BUREN ST	LARK ST	CRANEST	20	R	AC	86	$24	SEAL CRACKS
DARWIN AVE	VAN BUREN ST	KENTFIELD ST	DARWINAVE	10	R	AC	80	$29	SEAL CRACKS
DARWIN AVE	PICO ST	LADERA ST	DARWINAVE	20	R	AC	88	$17	SEAL CRACKS
DE SOTO ST	STONEWOOD DR	PASCAL AVE	DESOTOST	10	R	AC	75	$28	SEAL CRACKS
DE SOTO ST	KINGSTON ST	DOS RIOS AVE	DESOTOST	40	R	AC	88	$15	SEAL CRACKS
DOS RIOS AVE	PALM AVE	COUNTRY CLUB LN	DOSRIOSAVE	10	R	AC	88	$9	SEAL CRACKS
DOVE ST	PASCAL AVE	REED AVE	DOVEST	10	R	AC	78	$54	SEAL CRACKS
DUTCH ST	PICO ST	TANAGER ST	DUTCHST	10	R	AC	88	$8	SEAL CRACKS
EMERALD ST	THOMAS CT	PASCAL AVE	EMERALDST	10	R	AC	81	$23	SEAL CRACKS
EMERALD ST	PASCAL AVE	END	EMERALDST	20	R	AC	74	$21	SEAL CRACKS
ETON DR	THAMES ST	PRESTON ST	ETONDR	20	R	AC	88	$23	SEAL CRACKS
FAIRBURN DR	KINGSTON ST	MIRIAM WY	FAIRBURNDR	10	R	AC	80	$82	SEAL CRACKS
FINCH ST	WHISTLER ST	OBSERVATION ST	FINCHST	10	R	AC	88	$16	SEAL CRACKS
FINCH ST	OBSERVATION	CDS	FINCHST	20	R	AC	88	$7	SEAL CRACKS
FLAMINGO ST	MICHIGAN AVE	CDS	FLAMINGOST	10	R	AC	88	$5	SEAL CRACKS
FRANKLIN WAY	FRANKLIN ST	CDS	FRANKLINWA	10	R	AC	81	$14	SEAL CRACKS
GLENDORA DR	BARTON RD	END	GLENDORADR	10	R	AC	88	$25	SEAL CRACKS
HOLLY CT	ARLISS DR	CDS	HOLLYCT	10	R	AC	84	$9	SEAL CRACKS
HOLLY ST	BRENTWOOD ST	ARLISS DR	HOLLYST	10	R	AC	84	$72	SEAL CRACKS
HONEY HILL DR	BARTON RD	WESTWOOD ST	HONEYHILLD	10	R	AC	88	$10	SEAL CRACKS
HONEY HILL DR	WESTWOOD ST	PALM AVE	HONEYHILLD	20	R	AC	88	$20	SEAL CRACKS
JENSEN CT	CDS-W END	OBSERVATION DR	JENSENCT	10	R	AC	88	$3	SEAL CRACKS
KENTFIELD ST	MIRADO AVE	DARWIN AVE	KENTFIELDS	30	R	AC	83	$42	SEAL CRACKS
KENTFIELD ST	WARBLER AVE	ORIOLE AVE	KENTFIELDS	40	R	AC	88	$15	SEAL CRACKS
KENTFIELD ST	NIGHTINGALE WAY	CRANE ST	KENTFIELDS	50	R	AC	86	$39	SEAL CRACKS
KINGFISHER RD	CDS	PICO ST	KINGFISHER	10	R	AC	86	$21	SEAL CRACKS

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
KINGSTON ST	ETON DR	ARLISS DR	KINGSTONST	10	R	AC	84	$46	SEAL CRACKS
KINGSTON ST	MINONA DR	MIRIAM WY	KINGSTONST	30	R	AC	73	$64	SEAL CRACKS
KINGSTON ST	LA PAIX ST	DE SOTO ST	KINGSTONST	40	R	AC	88	$4	SEAL CRACKS
LA CROSSE AVE	VIVIENDA AVE	BARTON RD	LACROSSEAV	10	R	AC	82	$89	SEAL CRACKS
LA CROSSE AVE	BARTON RD	LA CROSSE AVE	LACROSSEAV	20	R	AC	85	$42	SEAL CRACKS
LA CROSSE AVE	LA CROSSE AVE	LA CROSSE AVE	LACROSSEAV	30	R	AC	86	$18	SEAL CRACKS
LADERA ST	FREMONTIA AVE	REED AVE	LADERAST	20	R	AC	88	$8	SEAL CRACKS
LA PAIX ST	STONEWOOD DR	REED AVE	LAPAIXST	10	R	AC	83	$20	SEAL CRACKS
LA PAIX ST	MIRADO AVE	DE SOTO ST	LAPAIXST	20	R	AC	86	$20	SEAL CRACKS
LA PAIX ST	DE SOTO ST	MIRADO AVE	LAPAIXST	30	R	AC	86	$21	SEAL CRACKS
LARK ST	REED AVE	CDS	LARKST	20	R	AC	88	$2	SEAL CRACKS
LARK ST	WARBLER AVE	ORIOLE AVE	LARKST	30	R	AC	88	$15	SEAL CRACKS
LARK ST	ORIOLE AVE	CRANE ST	LARKST	40	R	AC	86	$47	SEAL CRACKS
MERLE CT	CANARY CT	CDS	MERLECT	10	R	AC	88	$13	SEAL CRACKS
MIKE TODD LN	RAVEN WAY	ROBIN WAY	MIKETODDLN	10	R	AC	81	$19	SEAL CRACKS
MINONA DR	KINGSTON ST	ETON DR	MINONADR	20	R	AC	83	$71	SEAL CRACKS
MIRADO AVE	VAN BUREN ST	FRANKLIN ST	MIRADOAVE	20	R	AC	88	$15	SEAL CRACKS
MIRADO AVE	PICO ST	LADERA ST	MIRADOAVE	30	R	AC	88	$17	SEAL CRACKS
MIRIAM WAY	ARLISS DR	KINGSTON ST	MIRIAMWAY	10	R	AC	88	$17	SEAL CRACKS
MIRIAM WAY	FAIRBURN DR	ETON DR	MIRIAMWAY	30	R	AC	73	$25	SEAL CRACKS
NANDINA ST	PRESTON ST	CANARY CT	NANDINAST	10	R	AC	88	$5	SEAL CRACKS
NAPA CT	FREMONTIA AVE	CDS	NAPACT	10	R	AC	88	$3	SEAL CRACKS
NIGHTINGALE WAY	BLUEBIRD LN	KENTFIELD ST	NIGHTINGAL	10	R	AC	87	$23	SEAL CRACKS
ORIOLE AVE	LARK ST	PICO ST	ORIOLEAVE	40	R	AC	81	$56	SEAL CRACKS
ORIOLE AVE	PICO ST	RAVEN WY	ORIOLEAVE	50	R	AC	88	$12	SEAL CRACKS
ORIOLE AVE	RAVEN WAY	E MAIN ST	ORIOLEAVE	60	R	AC	88	$9	SEAL CRACKS
PALIKA WAY	CARDINAL ST	CDS	PALIKAWAY	10	R	AC	86	$13	SEAL CRACKS
PALM CT	PALM AVE	CDS	PALMCT	10	R	AC	88	$4	SEAL CRACKS
PASCAL AVE	VICTORIA ST	CARHART AVE	PASCALAVE	10	R	AC	88	$9	SEAL CRACKS
PASCAL AVE	LA PAIX ST	DE SOTO ST	PASCALAVE	20	R	AC	73	$38	SEAL CRACKS
PASCAL AVE	DE BERRY ST	CDS	PASCALAVE	30	R	AC	88	$16	SEAL CRACKS
PASCAL AVE	VAN BUREN ST	LARK ST	PASCALAVE	40	R	AC	74	$54	SEAL CRACKS
PASCAL AVE	EMERALD ST	PICO ST	PASCALAVE	50	R	AC	84	$27	SEAL CRACKS
PRESTON ST	END	ETON DR	PRESTONST	10	R	AC	88	$19	SEAL CRACKS

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
PRESTON ST	ETON DR	BARTON RD	PRESTONST	20	R	AC	74	$46	SEAL CRACKS
PRUIT CT	CDS	FRANKLIN ST	PRUITCT	10	R	AC	86	$13	SEAL CRACKS
QUAIL LN	CARDINAL ST	BLUEBIRD LN	QUAILLN	10	R	AC	86	$12	SEAL CRACKS
RAVEN WAY	MIRADO AVE	CDS	RAVENWAY	20	R	AC	78	$44	SEAL CRACKS
REED AVE	LA PAIX ST	DE BERRY ST	REEDAVE	10	R	AC	80	$48	SEAL CRACKS
REED AVE	CARDINAL ST	VAN BUREN ST	REEDAVE	20	R	AC	84	$29	SEAL CRACKS
REED AVE	PICO ST	LADERA ST	REEDAVE	50	R	AC	88	$17	SEAL CRACKS
RENE LN	CDS (WEST END)	MICHIGAN AVE	RENELN	10	R	AC	88	$8	SEAL CRACKS
ROBIN WAY	WARBLER AVE	ORIOLE AVE	ROBINWAY	10	R	AC	88	$17	SEAL CRACKS
ROBIN WAY	ORIOLE AVE	MIKE TODD LN	ROBINWAY	20	R	AC	73	$111	SEAL CRACKS
ROSEDALE AVE	PALM AVE	CL (SOUTH)	ROSEDALEAV	30	R	AC	88	$5	SEAL CRACKS
ROYAL AVE	PICO ST	END	ROYALAVE	10	R	AC	88	$9	SEAL CRACKS
SANBURG WAY	PICO ST	CDS-SOUTH END	SANBURGWAY	20	R	AC	78	$20	SEAL CRACKS
SISKIN CT	PARADISE ST	CDS	SISKINCT	10	R	AC	88	$6	SEAL CRACKS
TANAGER ST	MICHIGAN AVE	VIVIENDA AVE	TANAGERST	20	R	AC	83	$32	SEAL CRACKS
TANAGER ST	MIRADO AVE	CDS	TANAGERST	30	R	AC	80	$39	SEAL CRACKS
TERRACE AVE	WALNUT AVE	BARTON RD	TERRACEAVE	20	R	AC	88	$16	SEAL CRACKS
THOMAS CT	EMERALD ST	CDS	THOMASCT	10	R	AC	82	$13	SEAL CRACKS
THOMPSON DR	GLENDORA DR	END	THOMPSONDR	10	R	AC	81	$68	SEAL CRACKS
VICTORIA ST	PASCAL AVE	CANAL ST	VICTORIAST	10	R	AC	88	$4	SEAL CRACKS
VICTORIA ST	PRESTON ST	END	VICTORIAST	20	R	AC	86	$8	SEAL CRACKS
VISTA GRANDE WAY E	GRAND TERRACE RD	VISTA GRANDE WAY	VISTAGRAN1	10	R	AC	88	$8	SEAL CRACKS
VIVIENDA AVE	TERRACE AVE	MAPLE AVE	VIVIENDAAV	20	R	AC	88	$5	SEAL CRACKS
VIVIENDA AVE	140' E/O BURNS AVE	GRAND TERRACE RD	VIVIENDAAV	40	R	AC	81	$19	SEAL CRACKS
VIVIENDA AVE	GRAND TERRACE RD	LA CROSSE AVE	VIVIENDAAV	50	R	AC	81	$75	SEAL CRACKS
VIVIENDA AVE	LA CROSSE AVE	END	VIVIENDAAV	60	R	AC	84	$12	SEAL CRACKS
VIVIENDA AVE	END	VIVIENDA AVE	VIVIENDAAV	70	R	AC	88	$5	SEAL CRACKS
WARBLER AVE	LA PAIX ST	DE BERRY ST	WARBLERAVE	10	R	AC	88	$8	SEAL CRACKS
WARBLER AVE	CARDINAL ST	VAN BUREN ST	WARBLERAVE	20	R	AC	88	$8	SEAL CRACKS
WARBLER AVE	VAN BUREN ST	FRANKLIN ST	WARBLERAVE	30	R	AC	87	$48	SEAL CRACKS
WESTWOOD LN	WESTWOOD ST	CDS	WESTWOODLN	10	R	AC	85	$22	SEAL CRACKS
WILLET AVE	MAVIS ST	VAN BUREN ST	WILLETAVE	10	R	AC	88	$12	SEAL CRACKS
WILLET CT	DE BERRY ST	CDS	WILLETCT	10	R	AC	79	$22	SEAL CRACKS
W LITTON AVE	S ROSEDALE AVE	S LA CADENA DR	WLITTONAVE	10	R	AC	88	$10	SEAL CRACKS

Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
WREN ST	WHISTLER ST	OBSERVATION ST	WRENST	10	R	AC	82	$73	SEAL CRACKS
					Treatment Total			$2,918	
FLAMINGO ST	DUTCH ST	ORIOLE AVE	FLAMINGOST	30	R	AC	100	$42,996	THICK AC OVERLAY(2.5 INCHES)
JENSEN CT	OBSERVATION DR	CDS-E-END	JENSENCT	20	R	AC	100	$45,785	THICK AC OVERLAY(2.5 INCHES)
PEACOCK CT	PARADISE ST	CDS	PEACOCKCT	10	R	AC	100	$28,097	THICK AC OVERLAY(2.5 INCHES)
SANBURG WAY	CDS-NORTH END	PICO ST	SANBURGWAY	10	R	AC	100	$30,219	THICK AC OVERLAY(2.5 INCHES)
					Treatment Total			$147,097	
					Year 2020 Total			$465,306	
					Grand Total			$13,292,645	

ATTACHMENT 3 – PROJECTED SCENARIO

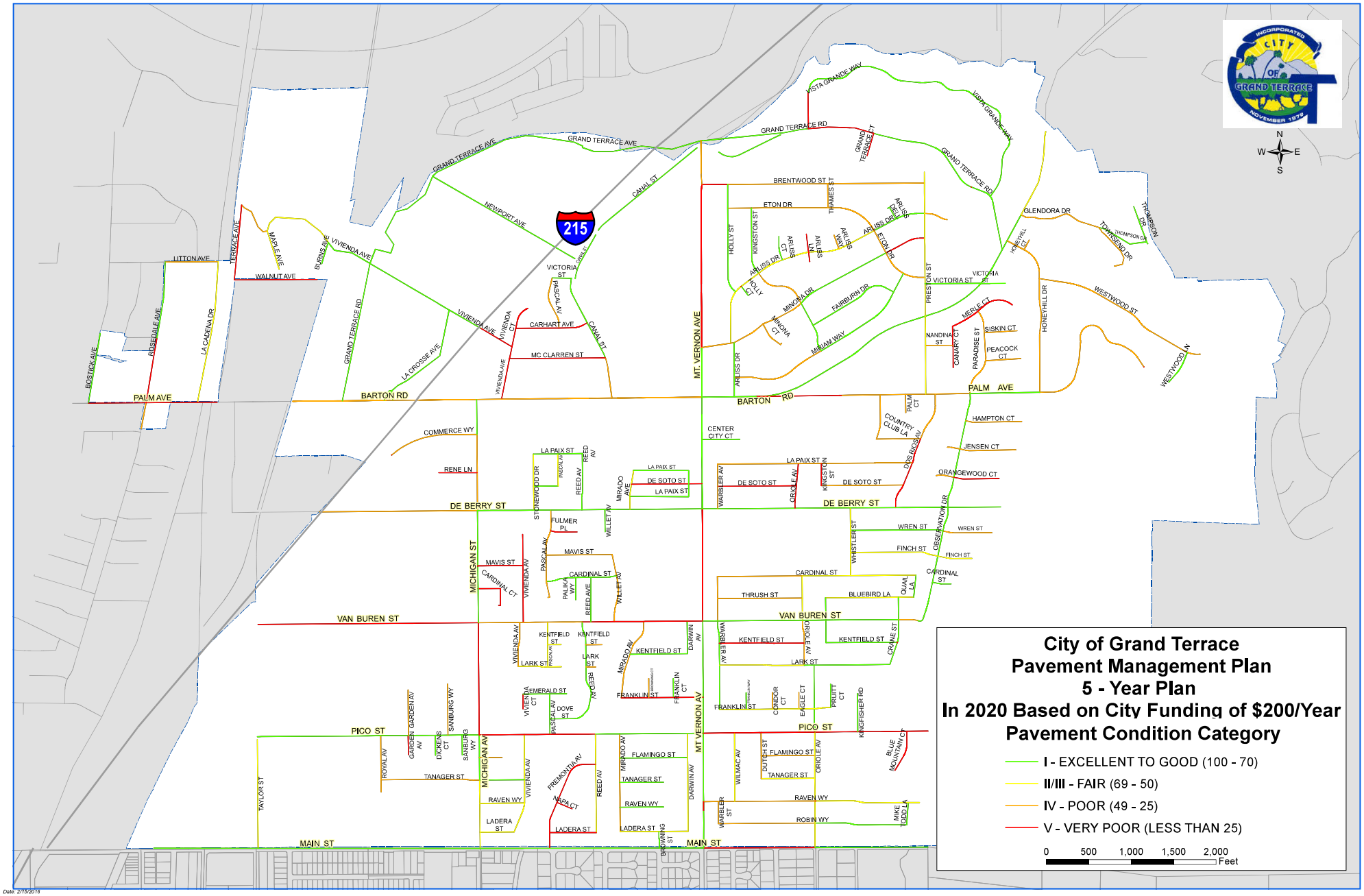
Current Funding Levels $200K/Year

SCENARIO – NETWORK CONDITION SUMMARY

SCENARIO – UNFUNDED BACKLOG SUMMARY

SCENARIO – SECTIONS SELECTED FOR TREATMENT (5-YEAR WORK PLAN)

MAP – PAVEMENT CONDITION CATEGORY IN 2020 BASED ON $200k/YEAR


City of Grand Terrace
Pavement Management Plan
5 - Year Plan
In 2020 Based on City Funding of $200/Year
Pavement Condition Category
I - EXCELLENT TO GOOD (100 - 70)
II/III - FAIR (69 - 50)
IV - POOR (49 - 25)
V - VERY POOR (LESS THAN 25)
0 500 1,000 1,500 2,000
Feet
N
S
E
W
215
PALM AVE
BARTON RD
DE BERRY ST
VAN BUREN ST
PICO ST
MAIN ST
MT. VERNON AVE
MICHIGAN ST
GRAND TERRACE AVE
GRAND TERRACE RD
VIVIENDA AVE
NEWPORT AVE
CANAL ST
LITTON AVE
WALNUT AVE
TERRACE AVE
MAPLE AVE
BURNS AVE
BOSTICK AVE
ROSEDALE AVE
LA CADENA DR
LA CROSSE AVE
VICTORIA ST
CARHART AVE
MC CLARREN ST
PASCALA AV
VIVIENDA CT
VIVIENDA AVE
VISTA GRANDE WAY
GRAND TERRACE CT
BRENTWOOD ST
ETON DR
THAMES ST
ARLISS DR
ARLISS CT
ARLISS LN
ARLISS WAY
KINGSTON ST
HOLLY ST
JOLLY CT
MINONA DR
MINONA CT
FAIRBURN DR
MIRIAM WAY
PRESTON ST
GLENDORA DR
HONEYHILL CT
HONEYHILL DR
THOMPSON DR
TOWNSEND DR
WESTWOOD ST
WESTWOOD LN
MERLE CT
SISKIN CT
PEACOCK CT
NANDINA ST
CANARY CT
PARADISE ST
PALM CT
COUNTRY CLUB LA
DOS RIOS AV
HAMPTON CT
JENSEN CT
ORANGEWOOD CT
CENTER CITY CT
COMMERCE WY
RENE LN
LA PAIX ST
REED AV
STONEWOOD DR
MIRADO AVE
DE SOTO ST
WARBLER AV
ORIOLE AV
KINGSTON ST
FULMER PL
WILLET AV
MAVIS ST
CARDINAL ST
CARDINAL CT
VIVIENDA AV
PALIKA WY
WHISTLER ST
WREN ST
FINCH ST
OBSERVATION DR
THRUSH ST
BLUEBIRD LA
QUAIL LA
KENTFIELD ST
LARK ST
DARWIN AV
FRANKLIN ST
FRANKLIN CT
EMERALD ST
DOVE ST
CRANE ST
CONDOR CT
EAGLE CT
PRUITT CT
KINGFISHER RD
GARDEN GARDEN AV
DICKENS CT
SANBURG WY
ROYAL AV
TANAGER ST
TAYLOR ST
RAVEN WY
LADERA ST
FREMONTIA AV
MAPA CT
FLAMINGO ST
BROWNING ST
WILMAC AV
DUTCH ST
BLUE MOUNTAIN CT
ROBIN WY
MIKE TODD LA
Date: 2/15/2016

Scenarios - Network Condition Summary

Interest: 5% Inflation: 3% Printed: 02/15/2016

Scenario: 5-Year CIP on City Budget

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2016	$200,000	0%	2018	$200,000	0%	2020	$200,000	0%
2017	$200,000	0%	2019	$200,000	0%			

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment	Treated Centerline Miles	Treated Lane Miles
2016	60	60	1.72	3.44
2017	57	59	0.81	1.62
2018	55	57	1.16	2.11
2019	53	55	0.99	1.97
2020	50	53	0.93	1.86

Percent Network Area by Functional Class and Condition Category

Condition in base year 2016, prior to applying treatments.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	7.8%	12.2%	14.3%	0.0%	34.3%
II / III	3.9%	7.4%	23.6%	0.0%	34.8%
IV	1.2%	4.7%	17.7%	0.0%	23.7%
V	2.6%	1.7%	2.9%	0.0%	7.1%
Total	15.5%	26.0%	58.5%	0.0%	100.0%

Condition in year 2016 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	7.8%	13.1%	17.1%	0.0%	38.1%
II / III	3.9%	6.4%	20.8%	0.0%	31.1%
IV	1.2%	4.7%	17.7%	0.0%	23.7%
V	2.6%	1.7%	2.9%	0.0%	7.1%
Total	15.5%	26.0%	58.5%	0.0%	100.0%

Condition in year 2020 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	7.8%	15.9%	15.5%	0.0%	39.2%
II / III	1.2%	0.6%	14.6%	0.0%	16.4%
IV	3.9%	3.9%	19.5%	0.0%	27.3%
V	2.6%	5.6%	9.0%	0.0%	17.1%
Total	15.5%	26.0%	58.5%	0.0%	100.0%

Scenarios - Sections Selected for Treatment

Interest: 5.00% Inflation: 3.00% Printed: 02/12/2016

Scenario: 5-Year CIP on City Budget

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2016	$200,000	0%	2018	$200,000	0%	2020	$200,000	0%
2017	$200,000	0%	2019	$200,000	0%			

Year: 2016

Street Name	Begin Location	End Location	Street ID	Section	Length	Width	Area	Last Inspected	FC	Surf Type	PCI	Cost	Rating	Treatment
BOSTICK AVE	CL (NORTH)	PALM AVE	BOSTICKAVE	10	575	32	18,400	12/21/2015	R	AC	75	$8,178	26,389	SLURRY SEAL + CRACK SEAL
DICKENS CT	PICO ST	CDS	DICKENSCT	10	243	32	7,790	10/10/2015	R	AC	74	$3,463	25,755	SLURRY SEAL + CRACK SEAL
KINGSTON ST	MINONA DR	MIRIAM WY	KINGSTONST	30	620	32	19,840	12/17/2015	R	AC	75	$8,818	26,380	SLURRY SEAL + CRACK SEAL
MIRIAM WAY	KINGSTON ST	FAIRBURN DR	MIRIAMWAY	20	1,124	32	35,968	12/17/2015	R	AC	73	$15,986	25,012	SLURRY SEAL + CRACK SEAL
MIRIAM WAY	FAIRBURN DR	ETON DR	MIRIAMWAY	30	239	32	7,648	12/17/2015	R	AC	75	$3,400	26,380	SLURRY SEAL + CRACK SEAL
REED AVE	VAN BUREN ST	LARK ST	REEDAVE	30	538	32	17,216	12/15/2015	R	AC	72	$7,652	24,571	SLURRY SEAL + CRACK SEAL
REED AVE	LARK ST	DOVE ST	REEDAVE	40	510	32	16,320	12/15/2015	R	AC	74	$7,254	25,897	SLURRY SEAL + CRACK SEAL
ROBIN WAY	ORIOLE AVE	MIKE TODD LN	ROBINWAY	20	1,078	32	34,496	12/15/2015	R	AC	75	$15,332	26,377	SLURRY SEAL + CRACK SEAL
ROSEDALE AVE	W LITTON AVE	W SEVILLE ST	ROSEDALEAV	10	910	32	29,120	12/21/2015	R	AC	72	$12,943	24,580	SLURRY SEAL + CRACK SEAL
VISTA GRANDE WAY E	VISTA GRANDE WAY	GRAND TERRACE RD	VISTAGRAN1	20	1,146	24	27,504	12/16/2015	R	AC	72	$12,224	24,573	SLURRY SEAL + CRACK SEAL
								Treatment Total				$95,250		
GRAND TERRACE RD	VISTA GRANDE WAY E	GRAND TERRACE CT	GRANDTERR1	40	766	32	24,512	12/16/2015	MaC	AC	100	$35,407	25,964	THIN AC OVERLAY(1.5 INCHES)
MICHIGAN AVE	VAN BUREN ST	DE BERRY ST	MICHIGAN AV	40	1,327	35	46,445	10/10/2015	MaC	AC	100	$67,088	27,696	THIN AC OVERLAY(1.5 INCHES)
								Treatment Total				$102,495		
				Year 2016 Area Total			285,259	Year 2016 Total				$197,745		

Scenarios - Sections Selected for Treatment

Interest: 5.00% Inflation: 3.00% Printed: 02/12/2016

Scenario: 5-Year CIP on City Budget

Year: 2017

Street Name	Begin Location	End Location	Street ID	Section	Length	Width	Area	Last Inspected	FC	Surf Type	PCI	Cost	Rating	Treatment
BURNS AVE	VIVIENDA AVE	WALNUT AVE	BURNSAVE	10	395	30	11,850	10/10/2015	R	AC	70	$5,425	23,362	SLURRY SEAL + CRACK SEAL
DE SOTO ST	STONEWOOD DR	PASCAL AVE	DESOTOST	10	282	32	9,024	12/15/2015	R	AC	77	$4,131	20,689	SLURRY SEAL + CRACK SEAL
FRANKLIN CT	FRANKLIN ST	CDS	FRANKLINCT	10	231	32	7,392	12/14/2015	R	AC	70	$3,384	23,450	SLURRY SEAL + CRACK SEAL
								Treatment Total				$12,940		
MICHIGAN AVE	COMMERCE WAY	BARTON RD	MICHIGANAV	60	867	40	34,680	10/10/2015	MaC	AC	100	$51,597	25,328	THIN AC OVERLAY(1.5 INCHES)
OBSERVATION ST	DE BERRY ST	VAN BUREN ST	OBSERVATST	10	1,380	32	44,160	10/10/2015	MaC	AC	100	$65,701	25,758	THIN AC OVERLAY(1.5 INCHES)
VAN BUREN ST	ORIOLE AVE	CRANE ST	VANBURENST	50	1,128	40	45,120	10/10/2015	MaC	AC	100	$67,129	25,758	THIN AC OVERLAY(1.5 INCHES)
								Treatment Total				$184,427		
				Year 2017 Area Total			152,226	Year 2017 Total				$197,367		

Year: 2018

Street Name	Begin Location	End Location	Street ID	Section	Length	Width	Area	Last Inspected	FC	Surf Type	PCI	Cost	Rating	Treatment
FRANKLIN CT	FRANKLIN ST	CDS	FRANKLINCT	10	231	32	7,392	12/14/2015	R	AC	78	$3,486	25,342	SLURRY SEAL + CRACK SEAL
REED AVE	VAN BUREN ST	LARK ST	REEDAVE	30	538	32	17,216	12/15/2015	R	AC	78	$8,118	25,352	SLURRY SEAL + CRACK SEAL
ROSEDALE AVE	W LITTON AVE	W SEVILLE ST	ROSEDALEAV	10	910	32	29,120	12/21/2015	R	AC	78	$13,731	25,365	SLURRY SEAL + CRACK SEAL
VISTA GRANDE WAY E	VISTA GRANDE WAY	GRAND TERRACE RD	VISTAGRAN1	20	1,146	24	27,504	12/16/2015	R	AC	78	$12,969	25,354	SLURRY SEAL + CRACK SEAL
								Treatment Total				$38,304		
CANAL ST	MT VERNON AVE	VICTORIA ST	CANALST	10	2,178	40	87,120	10/15/2015	MaC	AC	100	$133,504	26,035	THIN AC OVERLAY(1.5 INCHES)
E MAIN ST	ORIOLE AVE	EAST END	EMAINST	20	1,130	16	18,080	10/10/2015	MaC	AC	100	$27,706	25,273	THIN AC OVERLAY(1.5 INCHES)
								Treatment Total				$161,210		
				Year 2018 Area Total			186,432	Year 2018 Total				$199,514		

** - Treatment from Project Selection

Scenarios Criteria:

Scenarios - Sections Selected for Treatment

Interest: 5.00% Inflation: 3.00% Printed: 02/12/2016

Scenario: 5-Year CIP on City Budget

Year: 2019

Street Name	Begin Location	End Location	Street ID	Section	Length	Width	Area	Last Inspected	FC	Surf Type	PCI	Cost	Rating	Treatment
ARLISS DELL	CDS	ARLISS DR	ARLISSDELL	10	161	32	5,145	12/16/2015	R	AC	79	$2,499	19,566	SLURRY SEAL + CRACK SEAL
BURNS AVE	VIVIENDA AVE	WALNUT AVE	BURNSAVE	10	395	30	11,850	10/10/2015	R	AC	77	$5,756	24,093	SLURRY SEAL + CRACK SEAL
EMERALD ST	PASCAL AVE	END	EMERALDST	20	206	32	6,579	12/15/2015	R	AC	73	$3,196	19,154	SLURRY SEAL + CRACK SEAL
MIRIAM WAY	KINGSTON ST	FAIRBURN DR	MIRIAMWAY	20	1,124	32	35,968	12/17/2015	R	AC	78	$17,469	24,673	SLURRY SEAL + CRACK SEAL
RAVEN WAY	MIRADO AVE	CDS	RAVENWAY	20	520	32	16,640	10/10/2015	R	AC	77	$8,082	19,512	SLURRY SEAL + CRACK SEAL
SANBURG WAY	PICO ST	CDS-SOUTH END	SANBURG WAY	20	243	32	7,776	10/10/2015	R	AC	78	$3,777	19,544	SLURRY SEAL + CRACK SEAL
								Treatment Total				$40,779		
CANAL ST	VICTORIA ST	CARHART AVE	CANALST	20	566	40	22,640	12/23/2015	MaC	AC	100	$35,735	24,152	THIN AC OVERLAY(1.5 INCHES)
PALM AVE	OBSERVATION DR	HONEY HILL DR	PALMAVE	40	815	38	30,970	12/21/2015	MaC	AC	100	$48,883	23,713	THIN AC OVERLAY(1.5 INCHES)
VAN BUREN ST	MOUNT VERNON AVE	ORIOLE AVE	VANBURENST	40	1,172	40	46,880	10/10/2015	MaC	AC	100	$73,995	25,875	THIN AC OVERLAY(1.5 INCHES)
								Treatment Total				$158,613		
				Year 2019 Area Total			184,448	Year 2019 Total				$199,392		

Year: 2020

Street Name	Begin Location	End Location	Street ID	Section	Length	Width	Area	Last Inspected	FC	Surf Type	PCI	Cost	Rating	Treatment
DICKENS CT	PICO ST	CDS	DICKENSCT	10	243	32	7,790	10/10/2015	R	AC	78	$3,897	24,381	SLURRY SEAL + CRACK SEAL
DOVE ST	PASCAL AVE	REED AVE	DOVEST	10	634	32	20,294	12/15/2015	R	AC	76	$10,152	18,844	SLURRY SEAL + CRACK SEAL
FLAMINGO ST	MIRADO AVE	DARWIN AVE	FLAMINGO ST	20	805	32	25,760	10/10/2015	R	AC	74	$12,886	18,706	SLURRY SEAL + CRACK SEAL
REED AVE	LARK ST	DOVE ST	REEDAVE	40	510	32	16,320	12/15/2015	R	AC	78	$8,164	24,493	SLURRY SEAL + CRACK SEAL
WILLET CT	DE BERRY ST	CDS	WILLETCT	10	281	32	9,002	12/15/2015	R	AC	78	$4,503	18,952	SLURRY SEAL + CRACK SEAL
								Treatment Total				$39,602		

** - Treatment from Project Selection

Scenarios Criteria:

Scenarios - Sections Selected for Treatment

Interest: 5.00% Inflation: 3.00% Printed: 02/12/2016

Scenario: 5-Year CIP on City Budget

Year: 2020

Street Name	Begin Location	End Location	Street ID	Section	Length	Width	Area	Last Inspected	FC	Surf Type	PCI	Cost	Rating	Treatment
GRAND TERRACE RD	VISTA GRANDE WAY E	BARTON RD	GRANDTERR1	60	588	32	18,816	12/15/2015	MaC	AC	100	$30,590	22,757	THIN AC OVERLAY(1.5 INCHES)
MICHIGAN AVE	TANAGER ST	PICO ST	MICHIGAN AV	20	533	50	26,650	10/10/2015	MaC	AC	100	$43,326	23,404	THIN AC OVERLAY(1.5 INCHES)
OBSERVATION DR	PALM	DE BERRY ST	OBSERVATDR	10	1,322	40	52,880	10/10/2015	MaC	AC	100	$85,969	23,404	THIN AC OVERLAY(1.5 INCHES)

Treatment Total $159,885

Year 2020 Area Total 177,512

Year 2020 Total $199,487

Total Section Area: 985,877

Grand Total $993,505

** - Treatment from Project Selection

Scenarios Criteria:

City of Grand Terrace

Scenarios - Unfunded Backlog Summary

Interest: 5.00% Inflation: 3.00% Printed: 02/12/2016

Scenario: 5-Year CIP on City Budget

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2016	$200,000	0%	2018	$200,000	0%	2020	$200,000	0%
2017	$200,000	0%	2019	$200,000	0%			

	Stop Gap Cost	Deferred Cost	Stop Gap Deferred
Year 2016 Total	$2,263	$6,961,076	$81,276
Year 2017 Total	$2,639	$8,284,658	$28,306
Year 2018 Total	$489	$10,132,525	$36,182
Year 2019 Total	$615	$10,916,471	$20,618
Year 2020 Total	$515	$10,358,940	$7,981

Scenarios Criteria:

Criteria:

ATTACHMENT 4 – PROJECTED SCENARIO

Funding Levels $400K/Year

SCENARIO – NETWORK CONDITION SUMMARY

SCENARIO – UNFUNDED BACKLOG SUMMARY

Scenarios - Network Condition Summary

Interest: 5% Inflation: 3% Printed: 02/19/2016

Scenario: 5-Year CIP - City Budget $400K/Year

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2016	$400,000	15%	2018	$400,000	10%	2020	$400,000	10%
2017	$400,000	10%	2019	$400,000	10%			

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment	Treated Centerline Miles	Treated Lane Miles
2016	60	61	0.64	2.58
2017	57	59	1.77	3.54
2018	55	58	1.33	2.57
2019	52	56	1.93	4.26
2020	50	55	1.66	3.54

Percent Network Area by Functional Class and Condition Category

Condition in base year 2016, prior to applying treatments.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	7.8%	12.2%	14.3%	0.0%	34.3%
II / III	6.8%	9.2%	18.9%	0.0%	34.8%
IV	1.2%	4.7%	17.7%	0.0%	23.7%
V	2.6%	1.7%	2.9%	0.0%	7.1%
Total	18.4%	27.8%	53.8%	0.0%	100.0%

Condition in year 2016 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	10.7%	12.2%	14.3%	0.0%	37.2%
II / III	3.9%	9.2%	18.9%	0.0%	32.0%
IV	1.2%	4.7%	17.7%	0.0%	23.7%
V	2.6%	1.7%	2.9%	0.0%	7.1%
Total	18.4%	27.8%	53.8%	0.0%	100.0%

Condition in year 2020 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	11.8%	16.7%	17.3%	0.0%	45.7%
II / III	1.2%	0.0%	9.3%	0.0%	10.5%
IV	2.9%	5.5%	18.2%	0.0%	26.6%
V	2.6%	5.6%	9.0%	0.0%	17.1%
Total	18.4%	27.8%	53.8%	0.0%	100.0%

City of Grand Terrace

Scenarios - Unfunded Backlog Summary

Interest: 5.00% Inflation: 3.00% Printed: 02/19/2016

Scenario: 5-Year CIP - City Budget $400K/Year

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2016	$400,000	15%	2018	$400,000	10%	2020	$400,000	10%
2017	$400,000	10%	2019	$400,000	10%			

	Stop Gap Cost	Deferred Cost	Stop Gap Deferred
Year 2016 Total	$61,256	$7,085,388	$23,263
Year 2017 Total	$30,944	$8,093,740	$0
Year 2018 Total	$37,157	$9,870,290	$0
Year 2019 Total	$19,021	$10,615,877	$0
Year 2020 Total	$7,721	$10,066,347	$0

Scenarios Criteria:

Criteria:

ATTACHMENT 5 – PROJECTED SCENARIO

Current Funding Levels $600K/Year

SCENARIO – NETWORK CONDITION SUMMARY

SCENARIO – UNFUNDED BACKLOG SUMMARY

Scenarios - Network Condition Summary

Interest: 5% Inflation: 3% Printed: 02/19/2016

Scenario: 5-Year CIP - City Budget $600K/Year

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2016	$600,000	15%	2018	$600,000	10%	2020	$600,000	10%
2017	$600,000	10%	2019	$600,000	10%			

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment	Treated Centerline Miles	Treated Lane Miles
2016	60	61	1.89	5.07
2017	57	60	2.21	5.19
2018	55	59	1.92	4.45
2019	52	58	2.64	5.27
2020	50	57	2.29	5.08

Percent Network Area by Functional Class and Condition Category

Condition in base year 2016, prior to applying treatments.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	7.8%	12.2%	14.3%	0.0%	34.3%
II / III	6.8%	9.2%	18.9%	0.0%	34.8%
IV	1.2%	4.7%	17.7%	0.0%	23.7%
V	2.6%	1.7%	2.9%	0.0%	7.1%
Total	18.4%	27.8%	53.8%	0.0%	100.0%

Condition in year 2016 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	10.7%	13.3%	15.7%	0.0%	39.7%
II / III	3.9%	8.1%	17.5%	0.0%	29.5%
IV	1.2%	4.7%	17.7%	0.0%	23.7%
V	2.6%	1.7%	2.9%	0.0%	7.1%
Total	18.4%	27.8%	53.8%	0.0%	100.0%

Condition in year 2020 after schedulable treatments applied.

Condition	Arterial	Collector	Res/Loc	Other	Total
I	13.4%	20.5%	17.3%	0.0%	51.2%
II / III	0.0%	0.0%	9.0%	0.0%	9.0%
IV	2.4%	1.8%	18.5%	0.0%	22.7%
V	2.6%	5.6%	9.0%	0.0%	17.1%
Total	18.4%	27.8%	53.8%	0.0%	100.0%

City of Grand Terrace

Scenarios - Unfunded Backlog Summary

Interest: 5.00% Inflation: 3.00% Printed: 02/19/2016

Scenario: 5-Year CIP - City Budget $600K/Year

Year	Budget	PM	Year	Budget	PM	Year	Budget	PM
2016	$600,000	15%	2018	$600,000	10%	2020	$600,000	10%
2017	$600,000	10%	2019	$600,000	10%			

	Stop Gap Cost	Deferred Cost	Stop Gap Deferred
Year 2016 Total	$81,772	$6,906,105	$0
Year 2017 Total	$30,675	$7,778,068	$0
Year 2018 Total	$36,433	$9,561,561	$0
Year 2019 Total	$19,021	$10,201,251	$0
Year 2020 Total	$7,721	$9,660,793	$0

Scenarios Criteria:

Criteria:

ATTACHMENT 6 – PROJECTED SCENARIO

Maintain Current PCI

SCENARIO – NETWORK CONDITION SUMMARY

Target-Driven Scenarios
Network Condition Summary

Interest: 5% Inflation: 3% Printed: 02/19/2016

Scenario: Increase PCI to 60

Objective: Minimum Network Average PCI Target: Overall 60

Projected Network Average PCI by year

Year	Never Treated	With Selected Treatment
2016	60	61
2017	57	60
2018	55	60
2019	52	60
2020	50	60

Percent Network Area by Functional Classification and Condition Class

Condition in base year 2016, prior to applying treatments.

Condition Class	Arterial	Collector	Res/Loc	Other	Total
I	7.8%	12.2%	14.3%	0.0%	34.3%
II / III	6.8%	9.2%	18.9%	0.0%	34.8%
IV	1.2%	4.7%	17.7%	0.0%	23.7%
V	2.6%	1.7%	2.9%	0.0%	7.1%
Total	18.4%	27.8%	53.8%	0.0%	100.0%

Condition in year 2016 after schedulable treatments applied.

Condition Class	Arterial	Collector	Res/Loc	Other	Total
I	10.7%	12.2%	14.3%	0.0%	37.2%
II / III	3.9%	9.2%	18.9%	0.0%	32.0%
IV	1.2%	4.7%	17.7%	0.0%	23.7%
V	2.6%	1.7%	2.9%	0.0%	7.1%
Total	18.4%	27.8%	53.8%	0.0%	100.0%

Condition in year 2020 after schedulable treatments applied.

Condition Class	Arterial	Collector	Res/Loc	Other	Total
I	15.5%	21.4%	17.1%	0.0%	54.1%
II / III	0.0%	0.0%	9.3%	0.0%	9.3%
IV	0.3%	0.9%	18.3%	0.0%	19.5%
V	2.6%	5.6%	9.0%	0.0%	17.1%
Total	18.4%	27.8%	53.8%	0.0%	100.0%

Target-Driven Scenarios
Pavement Network Condition Lane Miles

Interest: 5.00% Inflation: 3.00% Printed: 02/19/2016

Scenario: Increase PCI to 60

Objective: Minimum Network Average PCI Target: Overall 60

Annual budget needs to meet target objectives

Year	Arterial	Collector	Res/Loc	Other	Preventative Maintenance	Total
2016	$338,788	$0	$0	$0	$0	$338,788
2017	$186,307	$441,732	$11,926	$0	$0	$639,965
2018	$920,875	$109,859	$190,206	$0	$289,717	$1,220,940
2019	$220,896	$464,920	$260,984	$0	$352,565	$946,800
2020	$0	$761,378	$148,723	$0	$71,556	$910,101

Average Yearly Total: $811,319

Grand Total: $4,056,594

Pavement Network prior to treatments in lane miles.

Functional Class	PCI	Percentage of the Network in Very Good Condition	Percentage of the Network in Poor or Very Poor Condition	Remaining Life
Arterial	62	7.8%	3.8%	16
Collector	65	12.2%	6.4%	12
Residential	56	14.3%	20.6%	14

Pavement Network after schedulable treatments applied in lane miles.

2016

Functional Class	PCI	Percentage of the Network in Very Good Condition	Percentage of the Network in Poor or Very Poor Condition	Remaining Life
Arterial	67	10.7%	3.8%	16
Collector	65	12.2%	6.4%	12
Residential	56	14.3%	20.6%	14

2017

Functional Class	PCI	Percentage of the Network in Very Good Condition	Percentage of the Network in Poor or Very Poor Condition	Remaining Life
Arterial	67	11.9%	6.5%	17
Collector	67	15.9%	6.4%	13
Residential	54	13.2%	22.8%	13

2018

Functional Class	PCI	Percentage of the Network in Very Good Condition	Percentage of the Network in Poor or Very Poor Condition	Remaining Life
Arterial	76	15.5%	2.9%	21
Collector	64	16.1%	8.5%	13
Residential	53	13.2%	25.6%	13

Pavement Network after schedulable treatments applied in lane miles.

2019

Functional Class	PCI	Percentage of the Network in Very Good Condition	Percentage of the Network in Poor or Very Poor Condition	Remaining Life
Arterial	75	15.5%	2.9%	21
Collector	65	18.0%	8.0%	15
Residential	52	16.7%	26.8%	13

2020

Functional Class	PCI	Percentage of the Network in Very Good Condition	Percentage of the Network in Poor or Very Poor Condition	Remaining Life
Arterial	73	15.5%	2.9%	20
Collector	69	21.4%	6.4%	18
Residential	51	17.1%	27.3%	13