



COUNCIL AGENDA: 5/14/19

FILE: 19-321

ITEM: 6.2

Memorandum

TO: HONORABLE MAYOR AND
CITY COUNCIL

FROM: John Ristow

**SUBJECT: 2019 LOCAL STREETS
RUBBERIZED SLURRY SEAL
PROJECT**

DATE: April 22, 2019

Approved

Date

5/2/19

RECOMMENDATION

- (a) Report on bids and award of a construction contract for the 2019 Local Streets Rubberized Slurry Seal Project to the low bidder, Pavement Coatings Co., in the amount of \$7,093,892.40.
- (b) Approve a 5% contingency in the amount of \$354,695.

OUTCOME

Approval of this contract will help maintain and preserve approximately 73 miles of streets on the Local and Neighborhood Streets Network. Surface sealing the streets will improve appearance and extend their useful life in order to defer more costly resurfacing and rehabilitation. Approval of a 5% contingency will provide funding for any unanticipated work necessary for the proper construction and completion of the project.

BACKGROUND

The Department of Transportation (DOT) planned to perform \$23.8 million in maintenance on the Local and Neighborhood Street Network in the 2018 construction season with VTA 2016 Measure B funds. Due to a legal challenge, this funding was placed in an escrow account and was inaccessible to the City until February of 2019. With the resolution of the challenge and the FY 2018-2019 allocation of \$19 million, DOT combined two-years of planned street maintenance on local and neighborhood streets, totaling approximately 196 miles, in the 2019 construction season. This work will be performed in addition to the major street maintenance plan highlighted in the December 2018 informational memorandum provided to Council.

The 2019 Local Streets Rubberized Slurry Seal Project is one of five pavement maintenance projects for the Local and Neighborhood Streets Network during the 2019 construction season.

A description of the 2019 pavement maintenance projects was provided in an informational memorandum to the Council in March 2019.

DOT annually schedules streets to be surface sealed as a preventive maintenance measure to extend their useful life and reduce long-term maintenance costs to the City. Surface sealing is a process by which streets in typically "Fair" or above condition (PCI 60 or above on a 100-point scale) are preventively maintained to add up to 8 years of life to the street. This preventive maintenance process is five-times less costly than resurfacing a street and is an important component of a well-managed street maintenance program.

In 2019, DOT is planning to seal approximately 169 miles of local and neighborhood streets throughout the City. To decrease the overall timeframe for completing the pavement work, the sealing work will be divided into two separate projects. The contract proposed in this memorandum will seal 73 miles of local and neighborhood streets by utilizing a rubberized emulsion aggregate slurry and tire rubber modified surface sealant. The second project providing sealing work on the remaining 96 miles of local and neighborhood streets will also be brought forward to City Council in May 2019.

In preparation for the 2019 Local and Neighborhood Street Sealing Program, DOT conducted a limited pilot project in the Summer of 2018 to evaluate rubberized slurry sealing on a few streets as a potential option when considering treatments such as slurry seal and microsurfacing. Based on the positive results from the pilot project, DOT intends to further pilot the use of rubberized slurry seal on one of the two surface sealing projects occurring in 2019 on the Local and Neighborhood Street Network. DOT believes that this product provides a potentially longer lasting alternative to conventional slurry seals, which are typically used to preventatively maintain streets prior to the emergence of significant signs of distress. Additionally, by using rubberized slurry seal which incorporates recycled scrap tires in the mix for the planned 36 miles, the City will divert approximately 11,000 scrap tires from going to a landfill.

The 2019 Local Streets Rubberized Slurry Seal Project will consist of two primary stages. The first stage removes the structurally failed areas of pavement and replaces them with new asphalt concrete as well as concrete curb and gutter repair as needed. The second stage will apply the rubberized slurry seal to these streets and install new markings and striping. The first stage is expected to begin in June 2019, and the second stage will start in July 2019.

The City's Local and Neighborhood Street Network is organized into 135 geographically contiguous "Pavement Maintenance Zones" (PMZs). The PMZs were established several decades ago to support efficient planning and delivery of paving projects, maximize the amount of paving work completed at one time within a neighborhood area, and provide geographic equity of pavement maintenance across the City.

Information provided by the City's pavement management database is used to identify candidate PMZs for preventive maintenance and sealing. The final list of PMZs to receive sealing was established using the following criteria:

- Funding availability and funding use restrictions
- Streets on the Local and Neighborhood Streets Network
- Streets not affected by current or future street related projects
- Maintenance history and prescribed treatment schedules
- Community and Council feedback regarding road conditions
- Multi-year geographic equity across the City and street network

The attachment contains the list of streets to be surface-sealed with the proposed contract. The list may change if unforeseen circumstances arise or new information regarding other street-related projects becomes available.

ANALYSIS

Bids were opened on March 28, 2019, with the following results:

CONTRACTOR	CITY	BID AMOUNT	VARIANCE	% UNDER/ OVER ENGINEER'S ESTIMATE
ENGINEER'S ESTIMATE	--	\$5,907,786	--	--
Pavement Coatings Co.	Sacramento, CA	\$7,093,892.40	\$1,186,106.40	20.07%

One bid was received for this project, submitted by Pavement Coatings Co. in the amount of \$7,093,892.40. The bid is 20.07% over the Engineer's Estimate of \$5,907,786. The estimate is based on bids received from similar past projects and estimated construction prices. DOT received only one bid for this project and believes that this is mainly due to the increased amount of construction work in the region and that many local contractors are nearing capacity for this type of work in the construction season.

The bid is higher than the engineer's estimate primarily due to a larger than anticipated increase in labor and materials costs for asphalt concrete repairs and slurry seal application. The average prevailing wage for asphalt and slurry seal workers in Northern California determined by the State of California, Department of Industrial Relations has increased 36% year over year from \$31.02/hour in 2018 to \$42.17/hour in 2019. Additionally, the Statewide Crude Oil Price Index has increased about 20% from 305.8 in January 2019 to 365.5 in April 2019 primarily due to the increased demand for road and highway materials. The roadway striping and markings portion of the bid was approximately 200% over the engineer's estimate which represented \$274,289.40 of the increase in comparison to the Engineer's Estimate. The primary reason for this increase is a high demand for paving and striping services across the region with high expectations by

contracting and owner agencies for timely application of roadway striping, combined with a very limited supply of striping contractors.

Despite the higher than anticipated bid, staff recommends that the construction contract be awarded to the sole lowest bidder, Pavement Coating Co., for the following reasons:

- Given the increase in prevailing wage of slurry seal workers and the crude oil price increase, it is improbable that rebidding the project in an attempt to receive more favorable bids would be successful.
- Given the current bidding environment – high demand for paving contractors, very low supply of paving and striping contractors, and time of year when bids traditionally increase as contractors have already secured projects – it is improbable that rebidding the project in an attempt to receive more favorable bids would be successful
- Rebidding the project as specified would delay implementation of the paving work and likely defer paving work on some of the streets for completion in spring 2020, due to the winter suspension for paving activities.
- All of the streets identified to receive a surface seal treatment through this project are due or past due for preventive maintenance based on the City's prescribed maintenance cycle. Delaying this treatment, either by deferring the project until the bidding environment improves or by reducing the number of streets to receive a surface seal, would cause further deterioration of the affected streets and potentially result in higher future maintenance or rehabilitation costs.

Council Policy provides for a standard contingency of 5% on projects involving street resurfacing and sealing, and the funding budgeted for this project is sufficient to provide for the contingency of \$354,695.

Construction is scheduled to begin in June 2019 with a target completion date of December 2019.

EVALUATION AND FOLLOW-UP

DOT provides an ongoing evaluation of the City's pavement conditions and provides periodic reports on this topic to the Transportation and Environment Committee and the City Council. No further City Council action is necessary.

PUBLIC OUTREACH

The project was listed on BidSync (www.bidsync.com) and advertised in the San José Post Record. The complete bid package and project information for DOT construction projects are available on BidSync for interested contractors, contractor organization and builders' exchange. In addition, when the project commences, the contractor, as stated in the specifications, will provide advance notification regarding working hours, duration of project, and any appropriate schedule and lane closures to affected businesses and residents. To inform traveling motorists of upcoming construction activities and potential traffic delays, changeable message signs will be used stating the schedule dates and time for work to occur on the street. This memorandum will be posted on the City's Council Agenda website for the May 14, 2019 Council Meeting.

COORDINATION

This project, including specifications and bid documents, has been coordinated with the Department of Public Works and this memo has been coordinated with the City Attorney's Office and the City Manager's Budget Office.

COMMISSION RECOMMENDATION/INPUT

No commission recommendation or input is associated with this action.

FISCAL/POLICY ALIGNMENT

This project supports the Transportation and Aviation Services City Service Area goal to *Preserve and Improve Transportation Assets and Facilities*.

COST SUMMARY/IMPLICATIONS

1. COST OF PROJECT:

Programmatic Project Delivery Estimate	\$709,389.24
Construction Contract	\$7,093,892.40
Contingency	<u>\$354,694.62</u>
TOTAL PROJECT COSTS:	<u>\$8,157,976.26</u>

2. SOURCE OF FUNDING: Funding for this project is included in the 2018-2019 Adopted Capital Budget in the 2016 VTA Measure B

3. FISCAL IMPACT: This project will have no net operating and maintenance costs to the General Fund.

HONORABLE MAYOR AND CITY COUNCIL

April 22, 2019

Subject: 2019 Local Streets Rubberized Street Sealing Project

Page 6

BUDGET REFERENCE

The following table identifies the fund and appropriation proposed to fund the recommended contract award, including project delivery, construction, and contingency costs.

Fund #	Appn #	Appn Name	Total Appn	Amt. for Contract	2018-2019 Adopted Budget Page	Last Budget Action (Date, Ord. No.)
486	403Q	Pavement Maintenance - VTA Measure B 2016	\$42,750,000	\$7,093,892.40	Adopted Capital Budget Pg. V-887	06/19/2018, 30124
Totals			\$42,750,000	\$7,093,892		

CEQA

Categorically Exempt, File No. PP18-029, CEQA Guidelines Section 15301(c), Existing Facilities.

/s/
JOHN RISTOW
Director of Transportation

For questions please contact Frank Farshidi, DOT Division Manager, at (408) 794-1945.

List of Streets

CD	Street Name	Start	End
1	COAKLEY DR	JUDRO WY	CONSTANCE DR
1	DOMA DR	OLSEN DR	JUDRO WY
1	JUDRO WY	COAKLEY DR	DOMA DR
1	JUDRO WY	DOMA DR	CYPRESS AV S
1	NOLDEN AV	OLSEN DR	JUDRO WY
1	OLSEN DR	CYPRESS AV	E END
1	OLSEN DR	COAKLEY DR	CYPRESS AV
1	SUNNY VISTA DR	N MONROE ST	HEATHERDALE AV
1	SUNNY VISTA DR	HEATHERDALE AV	NEWHALL ST
1	ZATON AV	JUDRO WY	OLSEN DR
2	ARCO CT	GOLDFIELD DR	E END
2	ASH GROVE CT	LEAN AV	W END
2	BANANA GROVE LN	SIGRID WY	405'W/SIGRID WY
2	BANANA GROVE LN	405'W/SIGRID WY	303'S/CHYNOWETH AV
2	BANANA GROVE LN	CHYNOWETH AV	303' S/ CHYNOWETH AV
2	BANGOR AV	ORCHARD PARK DR	HERMA ST
2	BANGOR AV	HERMA ST	TONOPAH DR
2	BANGOR AV	TONOPAH DR	COPCO LN
2	BANGOR AV	MAKATI CR	BESWICK DR
2	BEECH GROVE CT	BANANA GROVE LN	S END
2	BINGHAM CT	BANANA GROVE LN	S END
2	BIRCH GROVE DR	LARCH GROVE PL	CHYNOWETH AV
2	BIRCH GROVE DR	BIRCH GROVE DR	E END
2	BROKEN LANCE CT	CHYNOWETH AV	N END
2	CARLS CT	HAYES AVE	S END
2	CASHEW BLOSSOM DR	LEAN AV	CHERRY BLOSSOM
2	CEDAR GROVE CR	CHYNOWETH AV	CHYNOWETH AV
2	CENTERHART CT	BANANA GROVE LN	N END
2	CHERIS CT	CHERIS DR	N END
2	CHERIS DR	W END	HANSELL DR
2	CHERRY BLOSSOM DR	LEAN AV	CHYNOWETH AV
2	CHRIS DR	COPCO LN	ROHN WY S
2	CHRIS DR	ROHN WY S	HERLONG AV
2	CHYNOWETH PARK CT	CHYNOWETH AV	N END
2	COLFAX DR	ORCHARD PARK DR	LADNER DR
2	COLVILLE DR	LEAN AV	ZILEMAN DR
2	COLVILLE DR	ZILEMAN DR	BANGOR AV
2	COPCO LN	COLVILLE DR	LEAN AV
2	COPCO LN	LEAN AV	CALPINE DR
2	COY DR	EAGLES LN	SIGRID WY
2	COY DR	SIGRID WY	W END
2	DEREK DR	POSTON DR	CHYNOWETH AV
2	DESTRY CT	WAR WAGON DR	E END
2	DEXTER DR	BANANA GROVE LN	CHERIS DR
2	ELLYRIDGE CT	ELLYRIDGE DR	W END
2	ELLYRIDGE DR	COY DR	ELLYRIDGE CT
2	ELY CT	LATHROP DR	E END
2	EMBEE DR	COPCO LN	HERLONG AV
2	ENNING AV	COLFAX DR	HERRICK AV
2	ETTTERSBERG DR	HERLONG AV	CALPINE DR
2	FALON WY	HERLONG AV	EMBEE DR
2	FEDERATION CT	HAYES AV	N END

List of Streets (Cont.)

CD	Street Name	Start	End
2	FRAGRANT HARBOR CT	ELLYRIDGE DR	W END
2	GARRISON CR	HAYES AV	HAYES AV
2	GERINE BLOSSOM DR	APPLE BLOSSOM	CHYNOWETH AV
2	GOLDFIELD DR	BANGOR AV	BLOSSOM HILL RD
2	GOLDFIELD DR	GOLDFIELD DR	E END
2	GOLDFIELD DR	GOLDFIELD DR	W END
2	GRANDIN CT	COLVILLE DR	E END
2	GUAVA BLOSSOM CT	CHYNOWETH AV	S END
2	HANSELL DR	CHERIS DR	BANANA GROVE LN
2	HERRICK AV	KEYMAR DR	ORCHARD PARK DR
2	KEYMAR DR	BLOSSOM HILL RD	LADNER DR
2	LADNER DR	N END	S END
2	LANDAU CT	HAYES AV	N END
2	LARCH GROVE PL	HAYES AV	BIRCH GROVE DR
2	LARCH GROVE PL	BIRCH GROVE DR	N END
2	LATHROP CT	LATHROP DR	E END
2	LATHROP DR	BLOSSOM HILL RD	BANGOR AV
2	LEMON BLOSSOM CT	GERINE BLOSSOM	E END
2	LYONCROSS WY	LADNER DR	MAT AVE
2	MAKATI CR	BANGOR AV	BANGOR AV
2	MAT AVE	LYONCROSS WY	312'E/LYONCROSS WY
2	MAT AVE	312'E/LYONCROSS WY	HERMA ST
2	MAYTEN GROVE CT	BANANA GROVE LN	S END
2	MUSTO AV	MAKATI CR	POUGHKEEPSIE RD
2	OMIRA DR	LEAN AV	CALPINE DR
2	ORCHARD PARK DR	HERRICK AV	MAT AV
2	ORICK CT	GOLDFIELD DR	E END
2	PADDON CL	ZILEMAN DR	ZILEMAN DR
2	PEAR BLOSSOM CT	CHYNOWETH AV	S END
2	PECAN BLOSSOM DR	GERINE BLOSSOM	HAYES AV
2	POPPY BLOSSOM CT	HAYES AV	N END
2	RED RIVER WY	WAR WAGON DR	EDENVALE AV
2	RIBCHESTER CT	LYONCROSS WY	E END
2	RIO GRANDE DR	CHYNOWETH AV	ROOSTER DR
2	RIO LOBO DR	ROOSTER DR	WAR WAGON DR
2	ROCHESTER RD	MAKATI CR	COTTLE RD
2	ROHN WY	350'N/CHRIS DR N	CHRIS DR N
2	ROHN WY	CHRIS DR N	350'W/CHRIS DR N
2	ROHN WY	ROHN WY	E END
2	ROOSTER CT	ROOSTER DR	W END
2	ROOSTER DR	RIO LOBO DR	TIFFIN DR
2	RUNNING BEAR CT	TOMAHAWK DR	N END
2	RUNNING BEAR DR	TOMAHAWK DR	CHYNOWETH AV
2	RUNNING BEAR DR	RUNNING BEAR DR	E END
2	SHENADO PL	CHYNOWETH AV	E END
2	SIGRID WY	CHYNOWETH AV	COY RD
2	SIGRID WY	CHYNOWETH AV	RIO LOBO DR
2	SNELL CT	SNELL AV	E END
2	TIFFIN DR	POSTON DR	ROOSTER DR
2	TOMAHAWK DR	CHYNOWETH AV	RUNNING BEAR DR
2	TONOPAH DR	BANGOR AV	LATHROP DR
2	WAR WAGON CT	WAR WAGON DR	S END

List of Streets (Cont.)

CD	Street Name	Start	End
2	WAR WAGON DR	ROOSTER DR	CHYNOWETH AV
2	WATERFALL CT	CHYNOWETH AV	N END
2	WIGWAM CT	SHENADO PL	N END
2	ZILEMAN CT	ZILEMAN DR	E END
2	ZILEMAN DR	HERMA ST	COLVILLE DR
3	CHESTNUT ST	HEDDING ST W	TAYLOR ST W
3	CHESTNUT ST	HAMLIN ST	NEWHALL ST
3	COLUMBIA AV	BIRD AV	JOSEFA ST
3	DELNO ST	NEWHALL ST	O'BRIEN CT
3	EMORY ST	W END (R.R.)	CHESTNUT ST
3	EMORY ST	CHESTNUT ST	COLEMAN AV
3	FRANKFURT AV	SHERWOOD AV	NEWHALL ST
3	GIFFORD AV	PARK AV	SAN FERNANDO ST W
3	HEDDING FRONTAGE RD W S	STOCKTON AV	CHESTNUT AV
3	JOSEFA ST	S END	AUZERAIS AV
3	JOSEFA ST	AUZERAIS AV	SAN CARLOS ST W
3	JOSEFA ST	SAN CARLOS ST W	PARK AV
3	LAKEHOUSE ST	GIFFORD AV	DELMAS AV
3	LORRAINE AV	JOSEFA ST	MONTGOMERY ST S
3	MCKENDRIE ST	COLEMAN AV	CHESTNUT ST
3	MCKENDRIE ST	STOCKTON AV	CHESTNUT ST
3	NEWHALL ST	E END (R.R.)	THE ALAMEDA
3	NEWHALL ST	E END	W END (R.R.)
3	SONOMA ST	LAKEHOUSE AV	PARK AV
3	SONOMA ST	PARK AV	SAN CARLOS ST W
3	UNIVERSITY AV	CHESTNUT ST	COLEMAN AV
4	ADAMS CT	ADAMS DR	E END
4	ADAMS DR	BERRYESSA RD	BURNHAM DR
4	ALMANOR CT	IONE DR	S END
4	ALTHAM CT	HOSTETTER RD	S END
4	ARABELLE WY	SIERRA RD	PIEDMONT RD
4	ARGYLE CT	FALMOUTH ST	S END
4	BALMORAL DR	ST ANDREWS PL	N END
4	BARONSCOURT WY	MELCHESTER DR	ST ANDREWS PL
4	BELLA TERRA CT	MIRABEAU LN	EAST END
4	BELLINI CT	STRAUSS WY	E END
4	BENTLEY DR	KNIGHTS BRIDGE RD	WESTBERRY DR
4	BRAEMER CT	RONCO DR	E END
4	BURNHAM DR	SIERRA RD	ADAMS DR
4	CASTLEGATE DR	QUEENS CROSSING DR	MELCHESTER DR
4	CHARNWOOD CT	BARONSCOURT WY	N END
4	CHIPPENHAM DR	QUEENS CROSSING DR	LOCKSLEY PK DR
4	CORTINA DR	MATTERHORN DR	SAN MORITZ DR
4	CRATER LN	STRAUSS WY	E END
4	CUTFORTH CT	CRATER LN	S END
4	DANBY AV	TULARE DR	KIMLEE DR
4	DONIZETTI CT	STRAUSS WY	E END
4	FERREL CT	CRATER LN	S END
4	GEHRIG AV	SIERRA RD	S END
4	HEIDI CT	SAN MORITZ DR	E END
4	HEIDI DR	HEIDI CT	MATTERHORN DR
4	HOLLERAN CT	FALMOUTH ST	S END

List of Streets (Cont.)

CD	Street Name	Start	End
4	IONE DR	MORRILL AV	SIERRAVILLE AV
4	JAPPAUL LN	KNIGHTS BRIDGE RD	KIMLEE DR
4	KENMAR CT	RONCO DR	S END
4	LAUSANNE CT	SAN MORITZ DR	E END
4	LOCKSLEY PARK DR	HOSTETTER RD	KNIGHTS BRIDGE RD
4	LUGANO WY	MATTERHORN DR	ADAMS DR
4	MARDAN DR	KIMLEE DR	JAPPAUL LN
4	MATTERHORN DR	BERRYESSA RD	SIERRA RD
4	MATTOS AV	PIEDMONT RD	SCARAWAY DR
4	MAUNA KEA LN	RUSKIN DR	MATTOS AV
4	MELCHESTER DR	BALMORAL DR	BALMORAL DR
4	MIRABEAU CT	MIRABEAU LN	EAST END
4	MIRABEAU LN	ARABELLE WY	MIRABEAU CT
4	MONTFORD CT	BARONSCOURT WY	N END
4	MORRILL CT	MORRILL AV	E END
4	QUEENS CROSSING DR	STUBBINS WY	WESTBERRY DR
4	RONCO DR	MORRILL AV	MATTERHORN DR
4	SAN MORITZ DR	RONCO DR	SIERRA RD
4	SCARAWAY DR	MATTOS AV	QUEENS CROSSING DR
4	SCOLLON CT	IONE DR	S END
4	SHAFFER DR	RUSKIN DR	HOSTETTER RD
4	SIERRA CREEK WY	N END	FALMOUTH ST
4	SIERRA CREEK WY	FALMOUTH ST	655'S/FALMOUTH ST
4	SIERRA CREEK WY	655' S/ FALMOUTH ST	STONE CREEK DR
4	SIERRAVILLE AV	SIERRA RD	IONE DR
4	SIERRAVILLE AV	IONE DR	MORRILL AV
4	ST ANDREWS PL	BARONSCOURT WY	KNIGHTS BRIDGE RD
4	STONE CREEK DR	SIERRA CREEK WY	135'S/HOSTETTER RD
4	STONE CREEK DR	135'S/HOSTETTER RD	450'N/HOSTETTER RD
4	STONE CREEK DR	450'N/HOSTETTER RD	ISADORA DR
4	STRAUSS WY	SIERRAVILLE AV	CRATER LN
4	STUBBINS WY	HOSTETTER RD	QUEENS CROSSING DR
4	SUN LN	HOSTETTER RD	KIMLEE DR
4	TANTALLON CT	TURRIF WY	E END
4	TURRIFF WY	HOSTETTER RD	QUEENS CROSSING DR
4	WESTBERRY DR	QUEENS CROSSING DR	WICKHAM RD
4	WESTHAVEN DR	KNIGHTS BRIDGE RD	QUEENS CROSSING DR
4	WICKHAM CT	WICKHAM RD	W END
4	WICKHAM RD	HOSTETTER RD	WESTBERRY DR
4	ZURICH CT	BERRYESSA RD	N END
5	BUCKNER DR	CANDLESTICK WY	MEADOW LN
5	CANDLESTICK WY	JERILYN DR	S END
5	CLAREVIEW AV	NEVES WY	CITY LIMIT
5	CLAREVIEW CT	NEVES WY	N END
5	COUNTRY TREE CT	FLEMING AVE	N END
5	DAVENPORT DR	FELLER AV	JERILYN DR
5	DOMINIC CT	DOMINIC WY	S END
5	DOMINIC WY	GERARD WY	N END
5	DONALD CT	HOBIE LN	S END
5	FELLER AV	STORY RD	DAVENPORT DR
5	GERARD WY	BUCKNER DR	S END
5	GIANT WY	LOES WY	S END

List of Streets (Cont.)

CD	Street Name	Start	End
5	GLASGOW CT	HOBIE LN	S END
5	HEIRLOOM CT	TOWNSQUARE DR	E END
5	HOBIE LN	MAHONEY DR	STORY RD
5	LOES WY	DAVENPORT DR	GIANT WY
5	LOUIS CT	HOBIE LN	S END
5	MACKENZIE CT	DOMINICK WY	E END
5	NEVES WY	FLEMING AV	CLAREVIEW AV
5	TOWNSQUARE DR	FLEMING AVE	END
5	WATERSTONE CT	FLEMING AV	S END
5	WATTERS CT	WATTERS DR	W END
5	WATTERS DR	STORY RD	N END
6	ALAMEDA CT	THE ALAMEDA	O'BRIEN CT
6	ATLAS AV	THE ALAMEDA	SAN FERNANDO ST W
6	BOXWOOD DR	N MONROE ST	NEWHALL ST
6	BUSH ST	THE ALAMEDA	SAN FERNANDO ST W
6	CHERRYSTONE DR	N MONROE ST	N BASCOM AV
6	CINNABAR ST	JULIAN ST W	STOCKTON AV
6	COOK ST	O'BRIEN CT	NEWHALL ST
6	HAMLIN ST	SHERWOOD AV	ELM ST
6	HEATHERDALE AV	SUNNY VISTA DR	BASCOM AV N
6	KEEBLE AV N	JULIAN ST W	THE ALAMEDA
6	KEEBLE AV S	SAN FERNANDO ST W	THE ALAMEDA
6	LAUREL GROVE LN	PARK AV	BUSH ST
6	MORRIS CT	SHERWOOD AV	ALAMEDA CT
6	MORRISON AV N	CINNABAR ST	N END
6	MORRISON AV S	PARK AV	SAN FERNANDO ST W
6	O'BRIEN CT	ALAMEDA CT	SHERWOOD AV
6	O'BRIEN CT	SHERWOOD AV	CAMPBELL AV
6	PEACHTREE LN	WALNUT GROVE AV	N MONROE ST
6	PORTOLA AV	THE ALAMEDA	SHERWOOD DR
6	REDBUSH TERRACE	N BASCOM AV	SUNNY VISTA DR
6	RHODES CT	JULIAN ST W	THE ALAMEDA
6	SADDLE RACK ST	MERIDIAN AVE	RACE ST
6	SAN FERNANDO ST W	WILSON AV	SUNOL AV
6	SAN FERNANDO ST W	ATLAS AV	RACE ST
6	SHERWOOD AV	MAPLE AV	NEWHALL ST
6	SHERWOOD AV	PORTOLA AV	MAPLE AV
6	SHERWOOD AV	NEWHALL ST	HAMLIN ST
6	TULIP RD	NEWHALL ST	MONROE ST N
6	WHITE ST	SANTA CLARA ST W	S END
6	WILSON AV	THE ALAMEDA	SAN FERNANDO ST W
7	ABERDEEN CT	HOLLY HILL DR	S END
7	BAGELY WY	BIKINI AV	NISICH DR
7	BAYARD DR	MCLAUGHLIN AV	BIKINI AV
7	CAMANO CT	MCLAUGHLIN AV	E END
7	CHAPEL HILL WY	LUCRETIA AV	MARTELLO DR
7	COURTNEY AV	PHELAN AV	HOLLY HILL DR
7	CRINAN DR	TRIPOLI AV	HOLLY HILL DR
7	DERBE DR	TRIESTE WY	ROBERTS AV
7	DUDASH CT	MCLAUGHLIN AV	E END
7	DURNESS PL	GLENFINNAN WY	400' S/ GLENFINNA WY
7	DURNESS PL	400'S/GLENFINNA WY	GLENFINNAN DR E

List of Streets (Cont.)

CD	Street Name	Start	End
7	GERMAINE CT	PHELAN AV	S END
7	GLENFINNAN DR	MCLAUGHLIN AV	DURNESS PL
7	GLENFINNAN WY	GLENFINNAN DR	S END
7	GLENFINNAN WY	DURNESS PL	W END
7	GRANADA WY	MARTELLO DR	LUCRETIA AV
7	GRENADINE WY	PHELAN AV	CHAPEL HILL WY
7	HEARTHSTONE WY	TRIESTE WY	SARABAND WY
7	HEARTHSTONE WY	HEARTHSTONE DR	LUCRETIA AV
7	HOLLY HILL DR	COURTNEY AV	MCLAUGHLIN AV
7	HOLLY HILL DR	KILCHOAN WY	E END
7	HOLLY HILL DR	KILCHOAN WY	MCLAUGHLIN AV
7	JENEANE MARIE CL	WINIFRED DR	WINIFRED DR
7	KINROSS WY	CRIENAN DR	S END
7	LE COMPTE PL	ROBERTS AV	MISTFLOWER DR
7	LE COMPTE PL	MISTFLOWER DR	E END
7	LUCRETIA CT	LUCRETIA AV	N END
7	MARTELLO DR	HOLLY HILL DR	GRANADA WY
7	MISTFLOWER DR	LE COMPTE PL	220'S/LE COMPTE
7	MISTFLOWER DR	220'S/LE COMPTE PL	LUCRETIA AV
7	MORLEY CT	MCLAUGHLIN AV	E END
7	NISICH CT	BIKINI AV	S END
7	NISICH DR	SUZAY CT	BIKINI AV
7	NISICH DR	SUZAY CT	BAGELY WY
7	OSWEGO DR	ROBERTS AV	TRIESTE CT
7	PHELAN CT	PHELAN AV	S END
7	PHELAN WY	PHELAN AV	W END
7	SARABAND WY	HEARTHSTONE DR	ROBERTS AV
7	SHORELAND DR	MCLAUGHLIN AV	BIKINI AV
7	SOGOL CT	TAJI CT	S END
7	SOGOL DR	TAJI CT	N END
7	SPOKANE DR	MCLAUGHLIN AV	BAYARD DR
7	STONE GLEN CT	DURNESS PL	W END
7	SUNNYCREST CL	BIKINI AV	BIKINI AV
7	SUZAY CT	NISICH DR	N END
7	TAJI CT	SOGOL DR	S END
7	TAJI DR	LUCRETIA AVE	SOGOL CT
7	THAYER CT	SUNNYCREST CR	S END
7	TRIESTE CT	OSWEGO DR	S END
7	TRIESTE WY	OSWEGO DR	DERBE DR
7	TRIPOLI AV	HOLLY HILL DR	CRINAN DR
7	VINTAGE WY	LUCRETIA AV	ROBERTS AV
7	WALKER CT	PHELAN AV	S END
7	WINIFRED DR	LUCRETIA AV	JENEANE MARIE CL
8	ADAMSWOOD DR	RUBY AV	REMINGTON WY
8	ADEGA CR	KLOETZEL LN	N END
8	ALBEMAR CT	TENLEY DR	E END
8	ALLENWOOD CT	ALLENWOOD DR	S END
8	ARCADE AV	QUIMBY RD	VIN SANTO LN
8	ARCADE AV	COLONNA AV	VIN SANTO LN
8	ARCHWOOD CR	ALLENWOOD DR	ALLENWOOD DR
8	ARCOLA CT	TENLEY DR	E END
8	AREZZO POINTE CT	MATISEE WY	S END

List of Streets (Cont.)

CD	Street Name	Start	End
8	AREZZO POINTE LN	MATISSE WY	LAGO DE BRACCIANO ST
8	AUTUMNWOOD CT	SIMBERLAN DR	S END
8	BIMBER CT	REMINGTON WY	E END
8	BOUVERON CT	SEBASTIAN BORELOL DR	882' E/ SEBASTIAN BORELLO DR
8	BRADEN CT	DENSMORE DR	E END
8	BRADSHAW DR	REMINGTON WY	HAUGHTON DR
8	CAROL LEAF CT	WHITE LEAF WY	END
8	CARRERA CT	MURILLO AV	N END
8	CASABELLA AV	CHEMIN DE RIVIERE	ARCADE AV
8	CASABELLA CT	CHEMIN DE RIVIERE	N END
8	CASSIS CT	MOSHER AVE	E END
8	CASTLETON DR	WHITE RD S	HAUGHTON DR
8	CHATEAU DU LAC	LAKESIDE DR	213'E/LAKESIDE DR
8	CHATEAU DU LAC	213'E/LAKESIDE DR	N END
8	CHEMIN DE RIVIERE	ARCADE AV	WODZIENSKI DR
8	CHEMIN DE RIVIERE	MURILLO AV	RUE MIRASSOU
8	CHEMIN DE RIVIERE	RUE MIRASSOU	WODZIENSKI DR
8	CHILLUM CT	TENLEY DR	E END
8	CHURCHWOOD CT	WINWOOD WY	E END
8	COLONNA AV	LAKESIDE DR	RUE MIRASSOU
8	CORBAL CT	RUBY AV	E END
8	CORBY DR	TEDDINGTON DR	D'AMICO DR
8	CORSICA CT	MOSHER AVE	E END
8	CORTE BELLA DR	CHEMIN DE RIVIERE	N END
8	CORTE BELLA DR	CHEMIN DE RIVIERE	RUFFINO LN
8	COTO CT	ARCADE AVE	E END
8	COUR DE CHARLES	RUE MIRASSOU	N END
8	COUR DE JEUNE	RUE MIRASSOU	E END
8	COUR DU VIN	RUE MIRASSOU	E END
8	COVEWOOD CT	ALLENWOOD DR	S END
8	CROFT DR	SEBASTIAN BORELLO DR	882' E/ SEBASTIAN BORELLO DR
8	DA VINCI CT	CASABELLA AV	E END
8	DAVIDWOOD WY	ALLENWOOD DR	QUIMBY RD
8	DAYO CT	PAVAN DR	E END
8	DENSMORE CT	DENSMORE DR	E END
8	DENSMORE DR	KUYKENDALL PL	ADAMSWOOD DR
8	DUNWICH CT	CORBY DR	E END
8	FAWNWOOD CT	WINWOOD WY	E END
8	FIELDGATE CT	OAKGATE WY	E END
8	GATELAND CT	OAKGATE WY	E END
8	GATELIGHT CT	OAKGATE WY	E END
8	GAYWOOD CT	MASONWOOD ST	E END
8	GLENPRONSEN CT	WODZIENSKI DR	E END
8	GREENFORD CT	JANELLE DR	E END
8	HARVESTWOOD CT	SIMBERLAN DR	N END
8	HAUGHTON DR	BRADSHAW DR	REMINGTON WY
8	HERITAGE ESTATES CT	HERITAGE ESTATES DR	E END
8	HERITAGE ESTATES DR	APPERSON RIDGE DR	ABORN RD
8	HERITAGE OAKS CT	HERITAGE OAKS DR	E END
8	HERITAGE OAKS DR	WHITESAND DR	ABORN RD
8	HERITAGE POINT CT	HERITAGE OAKS DR	E END
8	HERITAGE SPRINGS CT	HERITAGE ESTATES DR	E END

List of Streets (Cont.)

CD	Street Name	Start	End
8	HERITAGE VALLEY CT	HERITAGE VALLEY DR	S END
8	HERITAGE VALLEY DR	ABORN RD	HERITAGE OAKS DR
8	HORIZON CT	MATISEE WY	S END
8	HORIZON LN	LAGO DE BRACCIANO ST	MATISEE WY
8	HUMBERSIDE CT	JANELLE DR	E END
8	JANELLE DR	ABORN RD	CORBY DR
8	JENNIFER DAISY DR	JOHN SORCI DR	MOSHER DR
8	JOHN SORCI DR	RUE MIRASSOU	MURILLO AV
8	JONATHAN RACHELLE CT	MOSHER DR	W END
8	JOSEPH SORCI PL	MOSHER AVE	W END
8	JUDI ANN CT	WODZIENSKI DR	E END
8	KLOETZEL LN	CORTE BELLA DR	ARCADE AV
8	KNIGHTSWOOD WY	RAVENSWOOD WY	RUBY AV
8	KUYKENDALL PL	PINKERTON DR	RUBY AV
8	LA CASTELLET CT	MOSHER AVE	W END
8	LAC BLEU CT	LAKESIDE DR	E END
8	LAC D'AZUR CT	LAKESIDE DR	E END
8	LAC DU VAL CT	LAKESIDE DR	E END
8	LAGO DE BRACCIANO ST	VOLTAIRE ST	N END
8	LAKE RIDGE LN	LAKESIDE DR	N END
8	LAKEBROOK CT	LAKE RIDGE LN	E END
8	LAKEMORE CT	LAKE RIDGE LN	E END
8	LAKEPORT CT	LAKE RIDGE LN	N END
8	LAKESIDE DR	COLONNA AV	PAPPANI WY
8	LAKESIDE DR	PAPPANI WY	W END
8	LAKEVIEW CT	LAKESIDE DR	N END
8	LAMOND CT	D'AMICO DR	S END
8	LINETTA CT	LAGO DE BRACCIANO ST	S END
8	LOVEWOOD WY	QUIMBY RD	ALLENWOOD DR
8	LOYE WY	PINKERTON DR	NORWOOD AV
8	LYNVIEW DR	MILLBROOK DR	QUIMBY RD
8	MAROUN PL	WODZIENSKI DR	E END
8	MARTIGUES CT	MOSHER AVE	E END
8	MASONWOOD ST	ALLENWOOD DR	LOVEWOOD WY
8	MATISEE WY	VOLTAIRE ST	ARREZO POINTE CT
8	MEZZAMONTE PL	ROSE TERRASSE CR	SAN MINETE CT
8	MILLBROOK DR	REMINGTON WY	LYNVIEW DR
8	MOSHER DR	ABORN RD	RUE MIRASSOU
8	MYRNA CT	MAROUN PL	E END
8	NANTES CT	CORSICA CT	E END
8	OAKGATE WY	APPERSON RIDGE DR	QUIMBY RD
8	OLDWOOD CT	SIMBERLAN DR	S END
8	OLIVEWOOD PL	SIMBERLAN DR	S END
8	PADILLA WY	ADAMSWOOD DR	REMINGTON WY
8	PAVAN CT	PAVAN DR	E END
8	PAVAN DR	CROFT DR	STEVENS LN
8	PERIVALE CT	JANELLE DR	S END
8	PIENZANNA CT	ROSE TERRASSE CR	W END
8	PINEGATE WY	OAKGATE WY	RUBY AV
8	PINKERTON CT	PINKERTON DR	E END
8	PINKERTON DR	REMINGTON WY	ADAMSWOOD DR
8	PITNER CT	QUIMBY RD	S END

List of Streets (Cont.)

CD	Street Name	Start	End
8	PLACE DE LOUIS	CHEMIN DE RIVIERE	300'N/CHEMIN DE RIVIERE
8	PLACE DE LOUIS	300'N/CHEMIN DE RIVIERE	N END
8	PLACE DU JARDIN	RUBY AV	E END
8	RAVENSWOOD WY	RUBY AV	SIMBERLAN DR
8	REMINGTON WY	600S/OF QUIMBY RD	MILLBROOK DR
8	REMINGTON WY	QUIMBY RD	600 S/OF QUIMBY RD
8	REQUA CT	NORWOOD AV	S END
8	RIGOR DR	COLONNA AV	RUE MIRASSOU
8	ROSE TERRASSE CL	MURILLO AV N	MURILLO AV S
8	RUE CHENE DE OR	RUE MIRASSOU	PLACE DE LOUIS
8	RUE MIRASSOU	CHEMIN DE RIVIERE	CHEMIN DE RIVIERE
8	RUE MIRASSOU	QUIMBY RD	CHEMIN DE RIVIERE
8	RUFFINO LN	CORTE BELLA DR	ARCADE AV
8	SAN MINETE CT	MEZZAMONTE PL	E END
8	SANTA CROCE CT	MEZZAMONTE PL	E END
8	SCHOONER CT	QUIMBY RD	E END
8	SEBASTIAN BORELLO DR	TOLLIVER DR	CROFT DR
8	SEILANS CT	MOSHER AVE	W END
8	SILBURY CT	TEDDINGTON DR	E END
8	SIMBERLAN DR	REMINGTON WY	RUBY AV
8	SPRUCEGATE CT	OAKGATE WY	E END
8	SWINDON CT	TEDDINGTON DR	E END
8	TEDDINGTON DR	ABORN RD	D'AMICO DR
8	TENLEY CT	TENLEY DR	W END
8	TENLEY DR	ABORN RD	D'AMICO DR
8	TOLLIVER DR	WHITE ACRES DR	SEBASTIAN BORELLO DR
8	TRUFFLE CT	JANELLE DR	N END
8	VALLEYWOOD CT	SIMBERLAN DR	S END
8	VIN SANTO LN	CASABELLA AV	ARCADE AV
8	VINTAGE ACRES WY	RUBY AV	LAKE RIDGE LN
8	VINTAGE CREST DR	RUBY AV	E END
8	VINTAGE OAKS CT	RUBY AV	S END
8	VOLTAIRE ST	MURILLO AV	ABORN RD
8	WASSON CT	RUE MIRASSOU	W END
8	WHITBY CT	TEDDINGTON DR	E END
8	WHITE ACRES DR	STEVENS LN	SEBASTIAN BORELLO DR
8	WHITELEAF CT	WHITELEAF WY	N END
8	WHITELEAF WY	OAKGATE WY	E END
8	WHITESAND DR	HERITAGE ESTATES DR	RUBY AV
8	WHITTINGTON DR	CASTLETON DR	STEVENS LN
8	WINWOOD WY	REMINGTON WY	ALLENWOOD DR
8	WODZIENSKI DR	QUIMBY RD	CHEMIN DE RIVIERE
8	WOODS CT	ALLENWOOD DR	S END
9	AUTINORI CT	ROSE TERRASSE CR	S END
9	BENJAMIN AV	CIRONE WY	THERESA LN
9	BENJAMIN CT	CIRONE WY	S END
9	BERNICE WY	JENNIFFER WY	TAPER AV
9	BERNICE WY	TAPER AV	NEW JERSEY AV
9	BERNICE WY	NEW JERSEY AV	LEIGH AV
9	BOLLA CT	FOXWORTHY AV	N END
9	BRIONA CT	FOXWORTHY AV	N END
9	BROWNING AV	CAMBRIANNA DR	JANET AV

List of Streets (Cont.)

CD	Street Name	Start	End
9	BROWNING AV	GENEVA AV	S END
9	BYRON DR	JENNIFER WY	UNION AV
9	CAMBRIANNA DR	UNION AV	TAPER AV
9	CARSON WY	COIT DR	W END
9	CASA MIA DR	WILLESTER AV	WILLESTER AV
9	CASA NUEVA CT	FOXWORTHY AV	N END
9	CIRONE WY	UNION AV	VIA CARMEN
9	COIT DR	LEIGH AV	CURTNER AV
9	DRY CREEK RD	195'W/BASCOM AV	UNION AV
9	ELAINE DR	GENEVA AV	S END
9	ELAINE DR	BERNICE WY	CAMBRIANNA DR
9	FAWN DR	GENEVA ST	BERNICE WY
9	GENEVA AV	LEIGH AV	NEW JERSEY AV
9	GENEVA AV	TAPER AV	NEW JERSEY AV
9	GENEVA AV	JENNIFER WY	TAPER AV
9	HILARY DR	GENEVA ST	BERNICE WY
9	JANET AV	BROWNING AV	KATHLEEN ST
9	JENNIFER WY	GENEVA AV	BYRON DR
9	JENNIFER WY	CAMBRIANNA DR	BERNICE WY
9	JESSIE CT	CIRONE WY	S END
9	JEWELL DR	BASCOM AV S	LANTZ AV
9	KATHLEEN ST	JANET AV	GENEVA ST
9	LANTZ AV	CASA MIA DR	WILLESTER AV
9	LANTZ AV	WILLESTER AV	FOXWORTHY AV
9	LANTZ AV	FOXWORTHY AV	960'N/FOXWORTHY
9	LANTZ AV	960'N/FOXWORTHY	UNION AV
9	NEWARK WY	ORANGE GROVE DR	RUSTIC DR
9	ORANGE GROVE DR	LEIGH AV	VARDEN AV
9	PANDORA DR	POTRERO DR	RUSTIC DR
9	POTRERO DR	NEW JERSEY AV	LEIGH AV
9	RUSTIC DR	TRENTON DR	NEW JERSEY
9	RUSTIC DR	NEW JERSEY	ORANGE GROVE DR
9	RUSTIC DR	POTRERO DR	ORANGE GROVE DR
9	RUSTIC DR	N END	POTRERO DR
9	SUTRO DR	CODY WY	LEIGH AV
9	TAPER AV	FOXWORTHY AV	CAMDEN AV
9	THERESA LN	LANTZ AV	CIRONE WY
9	TODD WY	BERNICE WY	GENEVA ST
9	TRENTON DR	FOXWORTHY AV	470'N/FOXWORTHY AV
9	TRENTON DR	470'N/FOXWORTHY AV	NEW JERSEY AV
9	TRINITY PL	WILLESTER AV	S END
9	VARDEN AV	RUSTIC DR	POTRERO DR
9	VERONICA PL	THERESA LN	W END
9	VIA CARMEN	THERESA LN	FOXWORTHY AV
9	WILLESTER AV	UNION AV	CAMDEN AV