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## MEMORANDUM

**TO:** HONORABLE MAYOR &  
CITY COUNCIL

**FROM:** Fred Kelley  
Director, Oakland  
Department of  
Transportation

**SUBJECT:** 2019 3-Year Paving Plan Year 3  
Update (July 2021 to June  
2022)

**DATE:** March 7, 2023

City Administrator  
Approval

Date: Mar 27, 2023

### INFORMATION

This memo is to provide the Oakland City Council, the Mayor's Office, City staff and the community with a report from the Oakland Department of Transportation (OakDOT) on the final implementation of the 2019 3-Year Paving Plan through the third and final year of the plan (July 1, 2021 to June 30, 2022).

### GENERAL OVERVIEW

On May 7, 2019, City Council adopted a resolution (87673 C.M.S.) establishing the 2019 3-Year Paving Plan (3YP), a more than \$100M plan for the Oakland Department of Transportation (OakDOT) to repair the City of Oakland (City) streets. This plan was funded through the first two years with the adoption of the Fiscal Year (FY) 2019-21 Capital Improvement Plan in June 2019 and funded for the last year with the adoption of the Fiscal Year (FY) 2021-2023 Capital Improvement Plan in June 2021. The 3YP represents an aggressive step towards investing in Oakland streets, including tripling annual spending on paving compared to the last citywide plan. The plan's investments aimed to keep the majority of Oakland's major streets in good to excellent condition and deeply invest in residential street paving.

This informational report provides a final update summarizing the third and final year of the 3YP (July 1, 2021 to June 30, 2022) and provides final adjusted mileage tallies for all years. In the past year, the City paved 42.9 miles. As of June 30, 2022, 121.2 miles of the 125 mile goal were paved. All remaining mileage identified in the 3YP but not yet paved has been carried forward to the 2022 5-Year Paving Plan, adopted through City Council resolution (88976 C.M.S.) on December 21, 2021.

## **BACKGROUND**

Resolution No. 87673 C.M.S., approved by City Council on May 7, 2019, established the 2019 3YP to repair City streets. The 3YP was funded through Measure KK, Oakland's 2016 Infrastructure Bond, as well as other sources, including gas tax revenues (Senate Bill 1) and existing grant awards. The 3YP established two main programs of paving: major streets and local streets.

The 3YP prioritized \$25M total toward major streets, which comprise approximately 29% of the plan. It recommended both rehabilitation and preventative maintenance treatments on major streets to both upgrade pavement condition and preserve existing good pavement. Major streets were prioritized by street condition and by traffic safety to ensure that necessary safety improvements could be advanced quickly on Oakland's high injury corridors, the subset of Oakland streets where the majority of severe and fatal crashes occur.

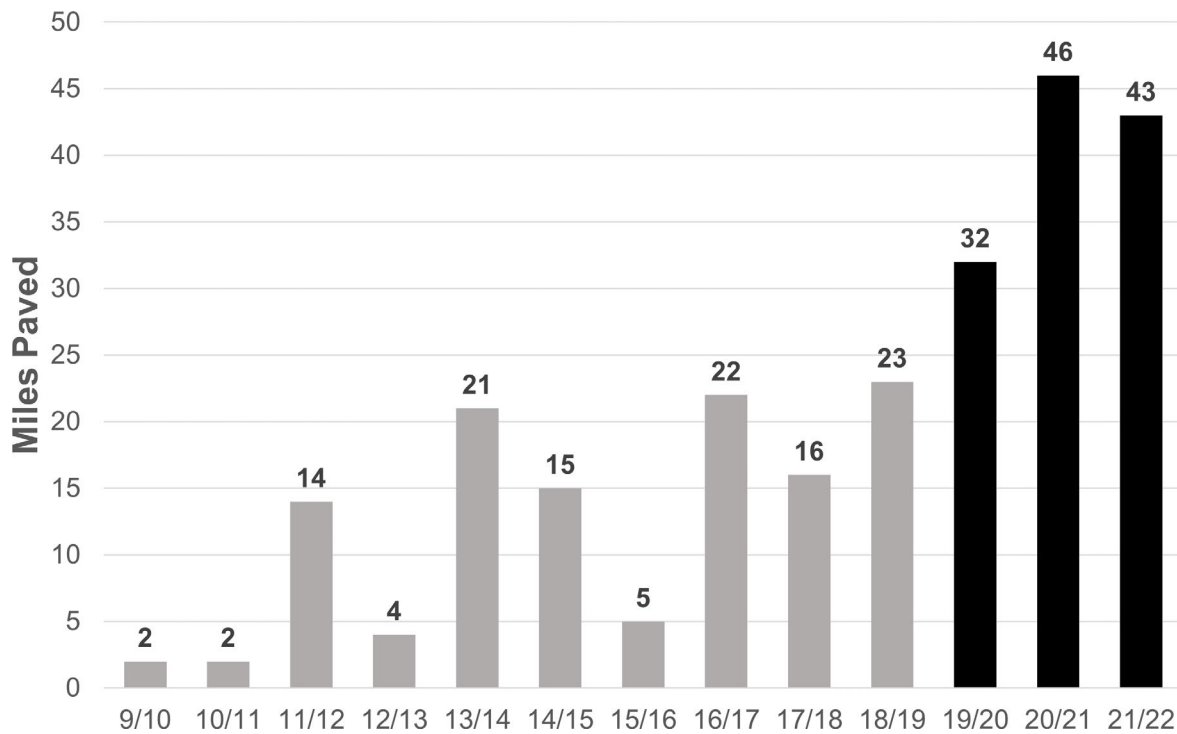
The 3YP prioritized \$75M total toward local streets. All local streets paving under this plan was prioritized for pavement rehabilitation (mill and overlay). Of the proposed \$75M for local streets, the majority was programmed into planning areas by street condition and equity factors, with individual streets selected by street condition and proximity to schools. In addition, the 3YP programmed \$7.5M local streets dollars toward cost-share agreements with utility companies to fully pave select residential streets after utility construction work, and \$7M local streets dollars toward residential streets paving based on City Council priorities.

## **SUMMARY OF PROGRESS**

This report provides an overall plan completion summary, as well as completion summaries by program (major streets and local streets) and by geography (council district and planning area).

Overall, during the third year of the plan, the City paved 42.9 miles between July 1, 2021 and June 30, 2022 (Figure 1). This construction was made possible by the continued availability of Measure KK dollars for the paving program.

**Figure 1: Paving Program Historical Annual Mileage**



The program met 78% of the Year 3 mileage target of 55 miles total and 41% of the Year 3 mileage target of 16 miles by in-house crews (Table 1: 3YP Mileage Targets by Year).

**Table 1: 3YP Mileage Targets by Year**

	FY19-20 GOAL	FY19-20 YTD	FY 20-21 GOAL	FY 20-21 YTD	FY 21-22 GOAL	FY 21-22 YTD
TOTAL	30	32.3	40	46.0	55	42.9
IN-HOUSE	8	7.5	16	8.5	16	6.5

At the end of the 3YP in June, 2022, 121.2 miles have been paved or approximately 97% of the plan (Table 2). A list of streets completed during the third year of the 3YP is provided in **Attachment A**.

**Table 2: Major Indicators to Date**

	FY19-20 YTD <sup>1</sup>	FY20-21 YTD	FY21-22 YTD	TOTAL	PLANNED <sup>2</sup>	% DONE
MILES PAVED	32.3	46.0	42.9	121.2	125.0	97%
MILES DESIGNED	45.5	91.3	7.2	144.0	125.0	115%
TIME (MOS)	12	12	12	36	36	100%

*Major Streets Program*

The adopted 3YP prioritized paving treatment on 50 miles of major streets in Oakland to maintain the current average “excellent” condition of Oakland’s major streets. Oakland’s major streets support the majority of daily vehicle, truck, bus, and bicycle trips, and the 3YP identified a mix of preventative maintenance (treatments such as slurry seals and microsurfacing) and pavement rehabilitation (primarily mill/overlay treatments) on major streets. In the third year of the plan, the City paved 9.9 miles of major streets. One example of major streets paved in the last year was the E 15<sup>th</sup> St and Foothill Boulevard one-way couplet between 1<sup>st</sup> Avenue and 14<sup>th</sup> Avenues in the Eastlake/Fruitvale planning area. New buffered bike lanes were implemented, along with intersection-narrowing pedestrian safety islands adjacent to Franklin Elementary.

Oakland’s High Injury Network (HIN) are the subset of streets on which the majority of traffic injuries and fatalities occur and where traffic safety improvements are prioritized. The only HIN corridor prioritized for paving in the 3YP but not completed was 14th Street in downtown Oakland. There is a separate grant-funded major streetscape improvement project on 14th Street which will be implemented during the next paving plan timeline.

In total, 31.1 miles of the originally-identified 50 miles of major streets were paved during the 3YP period. The primary reasons that major streets originally prioritized for paving were not completed during the 3YP period include longer design timelines, external funding coordination, and/or staff availability for outreach and engagement. Franklin Street, also in downtown, was prioritized in the 3YP and recommended for protected bike lanes in *Let’s Bike Oakland*, the 2019 citywide bicycle plan. However, additional concept design and outreach was needed before finalizing the new protected bikeway design; staff availability delayed this phase of work and the project is expected to be implemented during the next paving plan timeline.

<sup>1</sup> Includes 0.8 mi that occurred before July 1, 2019 but is part of adopted 2019 3-Year Plan list.

<sup>2</sup> Original 2019 3-Year Paving Plan was adopted in March 2019 with a total of 125 miles. In October 2019, 7 miles were added through the Council Discretion Streets program. Since then additional mileage has been added as part of full-width paving performed by others (e.g. utility coordination with EBMUD, other utility projects, AC Transit Bus Rapid Transit construction project) and other City-sponsored paving (e.g. capital projects).

*Local Streets Program*

The 3YP prioritized pavement rehabilitation on approximately 89 miles of local streets using prioritization values of equity, safety, and street condition in Oakland's nine planning areas. This investment supported increasing the existing average Pavement Condition Index (PCI)<sup>3</sup> to 50 on Oakland's local streets. During the third year of the paving plan, 33.0 miles were paved on local streets. To date, the 3YP has paved 89.7 miles of local streets or 112% of the overall 80 mile goal.

In the third year of the plan, in-house crews paved 55<sup>th</sup> Avenue from International Blvd to MacArthur Blvd in Council District 6 in the Central East Oakland planning area and added high visibility crosswalks. In District 1 in the North Oakland/Adams Point planning area, numerous neighborhood streets were repaved. These include several streets around Bushrod Park and Sankofa United Elementary School, including 60th and 61st Streets.

*Summary of Additional Mileage*

Over the course of the 2019 3-Year Paving Plan from July 1, 2019 to June 30, 2022, the total planned mileage has increased compared to 2019 3-Year Plan original list. This is due to the addition of Council Discretion miles (streets selected by each Councilmember as per Resolution 87673 C.M.S.), the inclusion of additional full-width paving performed by others (e.g. utility projects), and the incorporation of City-sponsored paving (e.g. capital projects or additional segments contiguous with adopted 2019 3YP streets) (Table 3).

Additional mileage added to the 2019 3-Year Paving Plan falls into two main categories: mileage added to date by the City and mileage added to date by others. The City-added category includes segments which were paved by city crews or city contractors, and are either City-Contiguous segments, which are segments contiguous with existing 3YP streets, or City-Capital Coordination segments, which are segments completed by other City projects such as a Highway Safety Improvement Program project on Fruitvale Avenue between E 12th St and Foothill Boulevard. The Others-added category includes segments that were paved full-width by a utility agency, such as PG&E or EBMUD.

**Table 3: 3YP Planned Mileage**

Original 3YP Mileage	125.0
Council Discretion Mileage (added in October 2019)	7.0
Mileage Added Through City Projects	10.4
Mileage Added by Others	9.4
<b>Total 3YP Planned</b>	<b>151.8</b>

<sup>3</sup> Pavement Condition Index (PCI) is measured on a scale of 0 to 100 (where 100 means a newly paved road).

**PROGRESS BY LOCATION**

The 2019 3YP used nine “Planning Areas”<sup>4</sup> to distribute local streets funding. Planning areas follow Oakland’s geography and demographics and are thus unique from Oakland’s seven Council District boundaries. Funding for local streets was distributed across planning areas using equally-weighted factors of street condition and equity.

In the third year of the plan, the largest number of paved miles were located in the Central East Oakland planning area for a total of 13.3 miles.

Significant mileage was also completed in the North Oakland Hills (8.3 miles), Eastlake/Fruitvale (7.9 miles), and East Oakland Hills (4.9 miles) planning areas (Table 4). At the close of the paving plan, the most miles have been paved to date in the Central East Oakland planning area and Eastlake /Fruitvale planning area (35.3 miles and 28.5 miles respectively). The Central East Oakland, East Oakland Hills, Eastlake/Fruitvale, and North Oakland Hills planning areas have all surpassed 100% completion for their planned miles paved under the 3-Year Paving Plan (Table 4).

**Table 4: Progress by Planning Area**

<b>PLANNING AREA</b>	<b>FY19-20 TOTAL</b>	<b>FY20-21 TOTAL</b>	<b>FY21-22 TOTAL</b>	<b>TOTAL PAVED</b>	<b>PLAN- NED</b>	<b>% DONE</b>
CENTRAL EAST OAKLAND	10.9	11.6	13.3	35.8	31.1	115%
COLISEUM/ AIRPORT	0.2	0.0	2.1	2.3	4.0	58%
DOWNTOWN	2.3	0.9	0.0	3.2	9.7	33%
EAST OAKLAND HILLS	1.6	1.1	4.9	7.6	7.5	101%
EASTLAKE/ FRUITVALE	6.9 <sup>5</sup>	13.7	7.9	28.5	26.6	107%
GLENVIEW/ REDWOOD HTS	4.5 <sup>6</sup>	3.2	1.6	9.3	9.1	102%
NORTH OAKLAND HILLS	1.3	2.2	8.3	11.8	8.4	140%
NORTH OAKLAND/ ADAMS PT	2.9	7.3	2.3	12.5	15.6	80%
WEST OAKLAND	1.7	6.0	2.5	10.2	13.0	79%
<b>GRAND TOTAL</b>	<b>32.3</b>	<b>46.0</b>	<b>42.9</b>	<b>121.2</b>	<b>125.0</b>	<b>97%</b>

<sup>4</sup> Planning areas follow Oakland's geography and demographics and are unique from Oakland's seven Council District boundaries.

<sup>5</sup> This includes 3.85 miles paved by the AC Transit Bus Rapid Transit construction project.

<sup>6</sup> This includes 0.6 miles paved by a utility project.

During the third year of the paving plan, paving mileage was completed in each City Council district. The most miles were paved in District 4 (10.0 miles), followed by District 7 (9.7 miles) and District 6 (7.6 miles). The three Council Districts with the highest percentage of total miles completed are District 4, District 6, and District 2 (121%, 109%, and 100% respectively) (Table 5).

**Table 5: Progress by Council District**

<b>COUNCIL DISTRICT</b>	<b>FY19-20 TOTAL</b>	<b>FY20-21 TOTAL</b>	<b>FY21-22 TOTAL</b>	<b>TOTAL PAVED</b>	<b>PLAN-NED</b>	<b>% DONE</b>
CCD1	4.2	9.4	3.6	17.2	17.6	9%
CCD2	5.8	9.7	2.7	18.2	18.2	100%
CCD3	2.7	6.8	4.3	13.8	20.2	68%
CCD4	4.7	5.3	10.0	20.0	16.5	121%
CCD5	3.5	3.1	5.0	11.6	12.8	91%
CCD6	3.8	7.9	7.6	19.3	17.7	109%
CCD7	7.6	3.8	9.7	21.1	22.1	95%
<b>GRAND TOTAL</b>	<b>32.3</b>	<b>46.0</b>	<b>42.9</b>	<b>121.2</b>	<b>125.0</b>	<b>97%</b>

**SAFETY & ACCESSIBILITY IMPROVEMENTS**

Constructing curb ramps is a key part of the City of Oakland’s paving program. As part of the 3YP, the City has constructed 1,277 new curb ramps, supporting accessibility and walkability on each street that is repaved as part of the 2019 3-Year Plan (Table 6).

The paving program is also charged with implementing systematic safety upgrades, such as converting all existing marked crosswalks to “high visibility” style markings. High visibility crosswalks improve driver yielding, improving pedestrian safety. To date, the program has completed 2,907 crosswalk improvements (Table 6). The program also addresses sidewalk damage that is City responsibility along project corridors and facilitates repair of damage that is private owner responsibility to repair. To date, 137,157 square feet of sidewalks have been repaired through the paving program (Table 6).

**Table 6: Safety & Accessibility Indicators**

	<b>FY19-20 TOTAL</b>	<b>FY20-21 TOTAL</b>	<b>FY21-22 TOTAL</b>	<b>TOTAL</b>
IMPROVED CURB RAMPS (EA)	738	318	221	<b>1,277</b>
HIGH VISIBILITY CROSSWALKS (EA)	887	1,337	683	<b>2,907</b>
SIDEWALK REPAIR (SQ FT)	32,147	73,026	31,984	<b>137,157</b>

**COMPLETE STREETS IMPROVEMENTS**

The City’s paving program provides a dependable vehicle for implementing the transportation recommendations of other adopted plans, including specific and area plans, citywide bike plan, the citywide pedestrian plan, and various Safe Routes to School plans.

In the third year of the plan, more than 5 miles of new bikeways recommended in Let’s Bike Oakland, the City’s 2019 bicycle plan update, were implemented as part of the 3YP (Table 7). These bikeway miles included improvements to existing bikeways, such as West Street between 25<sup>th</sup> St and MacArthur Blvd, and implementation of bike plan recommended bikeways, such as new buffered bike lanes on Park Boulevard from E. 18<sup>th</sup> Street to I-580.

**Table 7: Mobility Indicators**

	<b>FY 19-20 TOTAL</b>	<b>FY20-21 TOTAL</b>	<b>FY21-22 TOTAL</b>	<b>TOTAL</b>
NEW BIKEWAYS (MI)	8.4	7.6	5.4	<b>21.4</b>
IMPROVED BIKEWAYS (MI)	3.4	2.5	2.9	<b>8.8</b>

Because repaving offers a chance to upgrade crosswalks and improve curb ramps and other Safe Routes to School (SRTS) plan recommendation, streets near schools were prioritized in the 3YP as a way of efficiently implementing SRTS recommendations. During the third year of the paving plan, 10.81 miles of paving has been completed around schools. In Council District 2 in Eastlake/Fruitvale planning area, this includes new paving on E 19<sup>th</sup> Street next to Roosevelt Middle School and on E 28<sup>th</sup> Street and 11<sup>th</sup> Avenue next to Bella Vista Elementary School. Other streets paved near schools include 26<sup>th</sup> Street next to McClymonds High School in Council District 3 in the West Oakland planning area, as well as 69<sup>th</sup> Avenue next to various schools including Lockwood Elementary School, as well as the Oakland Public Library MLK Jr. Branch in Council District 6 in the Central East Oakland planning area. At each of these locations, the paving program has implemented yellow high visibility crosswalks and new or refreshed school zone markings, augmenting the safety improvements implemented as part of the City’s existing Safe Routes to School engineering program.

**PROJECT DELIVERY**

Table 8The 2019 3YP set an overall 3YP mileage target for in-house crews, contract crews, and others, such as utility companies. Table 8 below reflects the mileage completed in each of the three year periods as well as the percent complete of the overall 3YP mileage target.



**Table 8: Mileage by Contract, City Crews & Others**

	FY19-20 YTD	FY20-21 YTD	FY21-22 YTD	TOTAL PAVED	PLANNED	% DONE
IN-HOUSE	7.5	8.5	7.0	22.5	40.0	56%
CONTRACTOR	18.0	36.8	35.6	90.4	85.0	106%
OTHERS	6.8 <sup>7</sup>	0.7	0.8	8.3	0.0	-
<b>TOTAL</b>	<b>32.3</b>	<b>46.0</b>	<b>42.9</b>	<b>121.2</b>	<b>125.0</b>	<b>97%</b>

*Staffing*

At the plan’s completion in summer 2022, paving design and paving and concrete crews continue to have significant staffing vacancies.

*Paving by Others*

While the City’s paving program implements the majority of paving on City streets, other entities also perform full-width paving. During the third year of the paving plan, 0.7 miles of full-width paving was completed by other public agency projects and by private development projects. These and all street segments paved by others are included in **Attachment A** and combined with 3YP prioritized-miles in the total, planning area, and Council District tabulations of this report.

**CONTRACTS & CONTRACTING AUTHORITY**

At the plan’s completion, the paving program has prepared more than \$100M in construction contracts. In June 2019, Council authorized the City Administrator to execute paving & concrete construction contracts towards the 3YP up to a cumulative \$35M without return to Council. To date, approximately \$7M of this authority has been exercised (Table 9). At plan close, three final paving contracts originally bid in September 2021 were yet to be awarded.

**Table 9: Contracts & Contracting Authority**

	STATUS	VALUE	USE OF AUTHORITY (\$35M)
2019 ON-CALL 1	Complete	\$11.0	-
2019 ON-CALL 2	Complete	\$11.0	-
1004796	Complete	\$5.8	\$5.8
1004261 (CURB RAMPS)	Complete	\$1.5	-
1004419 (CURB RAMPS)	Complete	\$1.2	-
2020 ON-CALL 1 (2019 EXT)	Complete	\$11.0	-
2020 ON-CALL 2 (2019 EXT)	Complete	\$11.0	-

<sup>7</sup> Significant mileage by others in FY19-20 was paved by the AC Transit Bus Rapid Transit construction project.

**HONORABLE MAYOR & CITY COUNCIL**

Subject: 2019 3-Year Paving Plan Year 3 Update (July 2021 to June 2022)

Date: March 7, 2023

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2020 ON-CALL 1	In construction	\$12.7	
2020 ON-CALL 2	In construction	\$12.7	
2020 ON-CALL 3	In construction	\$12.7	
2020 ON-CALL 4	In construction	\$12.7	
1003349	In construction	\$1.3	\$1.3
1006103	Bid-Award		
1006104	Bid-Award		
1006105	Bid-Award		
<b>GRAND TOTAL</b>		<b>\$104.5</b>	<b>\$27.9</b>

Additionally, contracting within the 2019 3YP has continued to exceed the 50% participation requirement providing important support for local, small/local, and very small/local business enterprises across Oakland.

**2022 5-YEAR PAVING PLAN AND CARRYOVER STREETS**

All 3YP streets not paved by June 30, 2022 have been carried forward into the adopted 2022 5-Year Paving Plan.

**PUBLIC INFORMATION**

During the course of the 2019 3YP, staff have prepared multiple informational memoranda related to the plan. These include a memo to the Mayor and City Council detailing goals for in-house paving and concrete construction, as well goals for local and small/local business enterprise participation, and an informational memo detailing the list of streets prioritized by Council District offices as part of the Council Discretion program of local streets. In addition, staff have prepared informational memos providing updates every six months of the paving plan.

Information, webmaps, and reports related to the paving program and the 3YP are maintained on the City's website.<sup>8</sup> Staff maintain multiple webmaps on the program website that provide information to the public such as a 3YP overview and paving statistics by year for each year of the 3YP.

Respectfully submitted,

*Fred Kelley*

Fred Kelley (Mar 14, 2023 09:26 PDT)

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FRED KELLEY

Director

Oakland Department of Transportation

For questions regarding this report, please contact Sarah Fine, Complete Streets Paving & Sidewalks Program Manager at (510) 238-6241.

*Attachments (2):*

*A: List of Completed Streets in Year 3*

*B: List of Carryover Streets for 2022 5-Year Paving Plan*

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<sup>8</sup> "City of Oakland | Paving" <http://www.oaklandca.gov/topics/paving>

## ATTACHMENT A: Year 3 Completed Street List (July 2021 to June 2022)

	Street Name	From	To	Length
<b>Jul-21</b>	30TH ST	M.L. KING WAY	SAN PABLO AV	0.31
	31ST ST	M.L. KING WAY	SAN PABLO AV	0.34
	E 18TH ST	LAKESHORE AV	4 AV	0.2
	ASCOT DR	MOUNTAIN BLVD	CHELTON DR	0.41
	CAMINO LENADA ST	ASCOT DR	SOUTH END	0.22
	LA CUESTA ST	CAMINO LENADA	ASCOT DR	0.10
	62ND AV	MACARTHUR BLVD	CAMDEN ST	0.15
	ALVINGROOM CT	MACARTHUR BLVD	GATE	0.06
	BROADMOOR VIEW	SOUTH END	NORTH END	0.16
	BUELL ST	CALAVERAS AV	CALAVERAS BV	0.02
	BURCKHALTER AV	SUNKIST DR	SUNNYMERE AV	0.14
	COSGRAVE AV	GOLF LINKS RD	OUTLOOK AV	0.10
	FIELD ST	EAST END	GREENLY DR	0.17
	FIELD ST	GREENLY DR	CREST AV	0.12
	FIELDBROOK PL	FIELDBROOK RD	SOUTH END	0.03
	FIELDBROOK RD	MOUMTAIN BLVD	EAST END (FIELDBROOK PL)	0.07
	GREENRIDGE DR	KELLER AV	RILEA WAY	0.20
	HELLMAN ST	MALCOLM AV	NORTH END	0.09
	HUNTINGTON ST	ADELAIDE AV	FAIR AV	0.09
	HUNTINGTON ST	FAIR AV	TOMPKINS AV	0.05
	HYACINTH AV	HUNTINGTON ST	HIGH ST	0.08
	KAPHAN AV	REINHARDT DR	MATTIS CT	0.05
	KAPHAN AV	DAVENPORT AV	REINHARDT DR	0.08
	MATTIS CT	SOUTH END	NORTH END	0.12
	MERRILL AV	GREENACRE RD	TULIP AV	0.11
	PARTRIDGE AV	NEY AV	MICHIGAN AV	0.26
	PARTRIDGE AV	MICHIGAN AV	82 AV	0.09
	SUNNYSIDE ST	98 AV	100 AV	0.23
	UTAH ST	PARTRIDGE AV	82 AV	0.05
	WARNER AV	BIRCH ST	SUNNYSIDE ST	0.14
	16TH ST	MANDELA PKWY	POPLAR ST	0.11
	KIRKHAM ST	14 ST	12 ST	0.12
			<b>4.48</b>	
<b>Aug-21</b>	16TH ST	PERALTA ST	MANDELA PKWY	0.12
	E 15TH ST	FRUITVALE AV	NORTH END	0.12
	E 18TH ST	FRUITVALE AV	NORTH END	0.07
	E 19TH ST	FRUITVALE AV	NORTH END	0.12

	FRUITVALE AV	E 9 ST	SAN LEANDRO ST	0.14
	FRUITVALE AV	E 18 ST	FOOTHILL BLVD	0.10
	FRUITVALE AV	E 17 ST	E 18 ST	0.07
	FRUITVALE AV	INTERNATIONAL BLVD	E 17 ST	0.28
	ALHAMBRA LN	THORNHILL DR	SOUTH END	0.05
	THORNHILL DR	MOUNTAIN BLVD	PINEHAVEN RD	0.70
	33RD ST	M.L. KING WAY	SOUTH END	0.04
	EMPIRE RD	SOUTH END	98 AV	0.40
				<b>2.22</b>
<b>Sep-21</b>	HAMILTON PL	HARRISON ST	NORTH END	0.10
	JAYNE AV	LEE ST	EUCLID AV	0.26
	MIRA VISTA AV	VALLE VISTA AV	ELWOOD AV	0.19
	MONTECITO AV	LEE ST	BAY PL	0.20
	PERKINS ST	ORANGE ST	GRAND AV	0.52
	PERKINS ST	GRAND AV	BELLEVUE AV	0.11
	11TH AV	INTERNATIONAL BLVD	E 18 ST	0.40
	ABBOTT DR	SHERWOOD DR	EAST END	0.09
	MERRIEWOOD DR	TAURUS AV	SHERWOOD DR	0.04
	ROBIN HOOD WY	MERRIEWOOD DR	EAST END	0.11
	TAURUS AV	MERRIEWOOD DR	VALLEY VIEW RD	0.05
	TAURUS AV	MERRIEWOOD DR	VALLEY VIEW RD	0.06
	ARTHUR ST	78 AV	HAVENSCOURT BLVD	0.58
	DASHWOOD AV	ARTHUR ST	KRAUSE AV	0.14
	EMPIRE RD	98 AV	CAIRO RD	0.30
				<b>3.15</b>
<b>Oct-21</b>	E 15TH ST	1 AV	14 AV	0.87
	FOOTHILL BLVD	LAKESHORE AV	14 AV	0.86
	ANZA AV	GOLF LINKS RD	CALAFIA AV	0.07
	BURGOS AV	DORISA AV	GOLF LINKS RD	0.06
	CALAFIA AV	MOUMTAIN BLVD	ANZA AV	0.17
	CALAFIA AV	ANZA AV	GOLF LINKS RD	0.10
	DORISA AV	BURGOSE AV	NORTH END	0.10
	DORISA AV	CALAFIA AV	BURGOSE AV	0.05
	GRAND VIEW DR	DOROTHY PL	VICENTE RD	0.92
	VICENTE PL	VICENTE RD	WEST VIEW DR	0.10
	VICENTE RD	GRAND VIEW DR	CITY LIMIT	0.04
	VICENTE RD	TUNNEL RD	VICENTE PL	0.08
	VICENTE RD	VICENTE PL	GRAND VIEW DR	0.02
	WESTVIEW DR	GRAND VIEW DR	WILLARD PL	0.34
	WILLARD PL	WEST END	WEST VIEW DR	0.03
			SPLIT	
	BANCROFT AV	83 AV	HAVENSCOURT/67 AV	0.99

	BANCROFT AV	HIGH ST	FREMONT WAY	0.37
	BANCROFT AV	98 AV SPLIT	83 AV	0.86
	BANCROFT AV	HAVENSCOURT/67 AV	83 AV	0.95
	BANCROFT AV	83 AV	98 AV SPLIT	0.86
	BANCROFT AV	66 AV	HAVENSCOURT/67 AV	0.08
	BANCROFT AV	VICKSBURG AV	SEMINARY AV	0.65
	BANCROFT AV	SEMINARY AV	66 AV	0.45
	BANCROFT AV	FREMONT WY	VICKSBURG AV	0.23
	ARTHUR ST	HAVENSCOURT BV	64 AV	0.14
				<b>9.38</b>
<b>Nov-21</b>	TELEGRAPH AV	29 ST	MACARTHUR BLVD	0.58
	HALLIDAY AV	CHURCH ST	73 AV	0.21
	BIEHS CT	HARBORD DR	EAST END	0.05
	GRAND VIEW DR	FIRE PLUG	DOROTHY PL	0.08
	GRAND VIEW DR	HILLER DR	FIRE PLUG	0.15
	MORPETH ST	FLORENCE AV	HARBORD DR	0.10
	107TH AV	BANCROFT AV	MACARTHUR BLVD	0.28
	109TH AV	MACARTHUR BLVD	MC INTYRE	0.09
	109TH AV	BREED AV	MACARTHUR BLVD	0.33
	MYERS ST	MACARTHUR BLVD	DURANT AV	0.17
	VOLTAIRE AV	DURANT AV	103 AV	0.19
				<b>2.24</b>
<b>Dec-21</b>	AVENAL AV	HAVENSCOURT BV	CHURCH ST	0.14
	WEST ST	W GRAND AV	ISABELLA ST	0.10
	FONTAINE ST	GOLF LINKS RD	FONTAINE OVRPSS	0.75
	HOLMES AV	FONTAINE ST	GREENLY DR	0.15
				<b>1.14</b>
<b>Jan-22</b>	BERGEDO DR	ACALANES DR	ROBLEDO DR	0.06
	BERGEDO DR	CATRON DR	ESTEPA DR	0.19
	CATRON DR	WEST END	BERGEDO DR	0.10
	PUEBLO DR	BERGEDO DR	NORTH END	0.02
	28TH ST	PERALTA ST	UNION ST	0.10
	28TH ST	UNION ST	ADELINE ST	0.12
	CAMPBELL ST	20 ST	W GRAND AV	0.12
	WEST ST	MACARTHUR BLVD	25 ST	0.86
	39TH AV	REDDING ST	QUIGLEY ST	0.06
	56TH AV	WALNUT ST	EAST END	0.04
	57TH AV	WALNUT ST	EAST END	0.04
	BEAL AV	WALNUT ST	EAST END	0.04
	KANSAS ST	MAPLE ST	PATTERSON AV	0.22

	KANSAS ST	PATTERSON AV	SOUTH END	0.05
	LOMA VISTA AV	MACARTHUR BLVD	HARBOR VIEW AV	0.43
	LOMA VISTA AV	QUIGLEY ST	MACARTHUR BLVD	0.12
	MAYBELLE AV	REDDING ST	MACARTHUR BLVD	0.09
	QUIGLEY ST	35 AV	SOUTH END	0.38
	REDDING ST	35 AV	SOUTH END	0.38
	WALNUT ST	55 AV	MASON ST	0.16
	WALNUT ST	MASON ST	SEMINARY AV	0.10
	LANE CT	NORTH END	HARBORD DR	0.09
	MARR AV	HARBORD DR	LANE CT	0.13
	OSTRANDER RD	BROADWAY TERR	ROMANY RD	0.16
	SAINT PAUL CT	PROCTOR AV	MASONIC AV	0.12
	THORNHILL DR	SOBRANTE RD	SNAKE RD	0.81
	TRUITT LN	CLAREWOOD DR	NORTH END	0.07
				<b>5.07</b>
<b>Feb-22</b>	ESTEPA DR	BERGEDO DR	EL PASEO	0.12
	ESTEPA DR	CATRON DR	BERGEDO DR	0.16
	OLIVE ST	RITCHIE ST	80 AV	0.08
	OLIVE ST	80 AV	82 AV	0.12
	AGNES ST	SHERIDAN RD	ALTA RD	0.16
	CROWN AV	MERRIEWOOD AV	MERRIEWOOD AV	0.25
	FLORENCE AV	HERMOSA AV	BROADWAY TERR	0.18
	FLORENCE AV	HARBORD DR	COCHRANE AV	0.17
	FLORENCE AV	COCHRANE AV	EAST END	0.09
	LA SALLE AV	MOUNTAIN BLVD	MORAGA AV	0.06
	MARDEN LN	MERRIEWOOD DR	SOUTH END	0.06
	MERCED AV	MORAGA AV	LUCAS AV	0.11
	SHERIDAN RD	BROADWAY TERR	SOUTH END	0.23
	ZINN DR	DRAKE DR	NORTH END	0.10
				<b>1.89</b>
<b>Mar-22</b>	102ND AV	E ST	INTERNATIONAL BLVD	0.38
	104TH AV	ROYAL ANN ST	INTERNATIONAL BLVD	0.26
	ENTERPRISE WAY	85 AV	EDES AV	0.24
	BERLIN WY	MAPLE AV	SCHOOL ST	0.17
	CURRAN AV	EAST END	WEST END	0.14
	MAPLE AV	NICOL AV	SCHOOL ST	0.18
	NICOL AV	SOUTH END	COOLIDGE AV	0.24
	NICOL AV	COOLIDGE AV	FRUITVALE AV	0.27
	SCHOOL ST	35 AV	COOLIDGE AV	0.24
	WARD LN	CURRAN AV	PLEITNER AV	0.07
	BALMORAL DR	SKYLINE BLVD	NORTH END	0.53

	CASTLE PARK WY	CASTLE DR	CASTLE DR	0.16
	GREENVIEW DR	ROYAL OAK RD	ROYAL OAK RD	0.24
	SEQUOYAH VIEW CT	SEQU. VIEW DR	SOUTH END	0.09
	SEQUOYAH VIEW DR	OAK HILL RD	OAK HILL RD	0.51
	ABBAY ST	PENNIMAN AV	WEST END	0.21
	BROOKDALE AV	35 AV	HIGH ST	0.51
	EASTMAN AV	ALLENDALE AV	SUTER ST	0.12
	MINNA AV	BROOKDALE AV	WALNUT ST	0.05
	MINNA AV	LIESE AV	ALLENDALE AV	0.12
	SHORT ST	BROOKDALE AV	PENNIMAN AV	0.24
	WALNUT ST	39 AV	SOUTH END	0.15
				<b>5.11</b>
<b>Apr-22</b>	39TH AV	ALISO AV	SELKIRK ST	0.18
	ANDERSON AV	SELKIRK ST	REINHARDT AV	0.09
	EASTLAWN ST	66 AV	65 AV	0.11
	FENHAM ST	62 AV	64 AV	0.07
	FENHAM ST	64 AV	66 AV	0.16
	MOUNTAIN BLVD	MONZAL AV	NORTH END	0.33
				<b>0.94</b>
<b>May-22</b>	FULLINGTON ST	MAYBELLE WAY	39 AV	0.13
	WALTER AV	LOUISIANA ST	NORTH END	0.03
	WALTER AV	CLARA ST	98TH AV	0.23
	WALTER AV	LOUISIANA ST	CLARA ST	0.06
	98TH AV	RT 17 OFF RAMP	WEST END	0.86
	3 AV	E 18TH ST	PARK BLVD	0.20
	50TH AV	INTERNATIONAL BLVD	E 10 ST	0.26
	51ST AV	E 12 ST	E 10 ST	0.09
	51ST AV	INTERNATIONAL BLVD	E 12 ST	0.17
	53RD AV	E 10 ST	WEST END	0.04
	54TH AV	INTERNATIONAL BLVD	E 12 ST	0.21
	54TH AV	E 12 ST	SAN LEANDRO ST	0.13
	E 10TH ST	50 AV	54 AV	0.21
	E 12TH ST	SOUTH END	46 AV	0.43
	ASCOT PL	ASCOT DR	SOUTH END	0.03
	EL PATIO ST	MOUNTAIN BLVD	NORTH END	0.06
	JOAQUIN MILLER CT	MOUNTAIN BLVD	SOUTH END	0.05
	86TH AVE	BANCROFT AV	INTERNATIONAL BLVD	0.53
	LEONA ST	EAST END	RUSTING AV	0.16
	LEONA ST	EAST END	MOUNTAIN VIEW	0.24
	SHELTERWOOD DR	SHEP.CANY.RD	WESTOVER DR	0.15
	SNAKE RD	MOUNTAIN BLVD	SHEPHERD CYN RD	0.16



	SNAKE RD	SHEPHERD CYN RD	COLTON DR	0.80
	THACKERAY DR	WESTOVER DR	CHELSEA DR	0.20
				<b>5.43</b>
<b>Jun-22</b>	39TH AV	FULLINGTON ST	SUTER ST	0.04
	GEORGIA ST	COOLIDGE AV	MIDVALE AV	0.49
	MAYBELLE WY	EAST END	WEST END	0.08
	44TH AV	SAN LEANDRO ST	E 12 ST	0.09
	44TH AV	E 12 ST	INTERNATIONAL BLVD	0.07
	45TH AV	SAN LEANDRO ST	INTERNATIONAL BLVD	0.17
	47TH AV	SAN LEANDRO ST	INTERNATIONAL BLVD	0.21
	48TH AV	INTERNATIONAL BLVD	E 12 ST	0.14
	E 12TH ST	46 AV	44 AV	0.12
	E 12TH ST	HIGH ST	44 AV	0.07
	ADELINE ST	32 ST	35 ST	0.22
				<b>1.70</b>

## ATTACHMENT B: Streets Carried Forward to 2022 5-Year Paving Plan

Street Name	Begin	End
101ST AV	INTERNATIONAL BLVD	BANCROFT AV
10TH ST	MADISON ST	WEBSTER ST
SHEFFIELD AV	E 29 ST	MACARTHUR BLVD
10TH ST	OAK ST	MADISON ST
37TH AV	E 9 ST	E 12 ST
37TH AV	E 12 ST	INTERNATIONAL BLVD
12TH ST	1518 FT S/OAK ST	OAK ST
13TH AV	PARK BLVD	CHATHAM RD
13TH ST	BROADWAY	FALLON ST
14TH ST	BRUSH ST	CASTRO ST
14TH ST	CASTRO ST	CLAY ST
14TH ST	CLAY ST	BROADWAY
14TH ST	BROADWAY	WEBSTER ST
14TH ST	WEBSTER ST	OAK ST
14TH ST	OAK ST	FALLON ST
18TH ST	MARKET ST	BRUSH ST
20TH ST	MANDELA PKWY	POPLAR ST
23RD AV	29 AV	E 7 ST
23RD AV	E 11 ST	PVMT CHNG
25TH AV	FOOTHILL BLVD	E 21 ST
28TH AV	FOOTHILL BLVD	INTERNATIONAL BLVD
30TH AV	INTERNATIONAL BLVD	E 12 ST
34TH AV	PARK E/O SALISBURY ST	FOOTHILL BLVD
38TH ST	TELEGRAPH AV	WEBSTER ST
CHELSEA DR	CHELTON DR	GIRVIN DR
38TH ST	BROADWAY	CERRITO AV
40TH AV	SANTA RITA ST	FOOTHILL BLVD
43RD ST	MARKET ST	CITY LIMIT
44TH ST	CITY LIMIT	LINDEN ST
44TH ST	LINDEN ST	M L KING JR WAY
45TH ST	LINDEN ST	MARKET ST
45TH ST	CITY LIMIT	LINDEN ST
4TH ST	WASHINGTON ST	CASTRO ST
52ND AV	WEST END	INTERNATIONAL BLVD
COOLIDGE AV	FOOTHILL BLVD	BROOKDALE AV
52ND ST	SHATTUCK AV	DOVER ST
52ND ST	DOVER ST	M L KING JR WAY
60TH AV	INTERNATIONAL BLVD	WEST END
61ST AV	WEST END	INTERNATIONAL BLVD
73RD AV	MACARTHUR BLVD	OUTLOOK AV

<b>Street Name</b>	<b>Begin</b>	<b>End</b>
7TH ST	ADELINE ST	FILBERT ST
COOLIDGE AV	BROOKDALE AV	SCHOOL ST
7TH ST	MANDELA PKWY	UNION ST
7TH ST	UNION ST	ADELINE
7TH ST	CASTRO ST	M L KING JR WAY
87TH AV	EAST END	INTERNATIONAL BLVD
89TH AV	DOWLING ST	BANCROFT AV
8TH ST	N/O MANDELA PKWY	S/O PINE ST
8TH ST	N/O MARKET ST	S/O MANDELA PKWY
99TH AV	BANCROFT AV	PLYMOUTH ST
9TH ST	CASTRO ST	BROADWAY
ADELINE ST	MIDDLE HARBOR	3 ST
ADELINE ST	7 ST	10 ST
ALICE ST	6 ST	10 ST
ALICE ST	11 ST	19 ST
APGAR ST	WEST ST	M L KING JR WAY
APGAR ST	M L KING WAY	SOUTH END
APGAR ST	W MACARTHUR BV	WEST ST
BAGSHOTTE DR	WESTOVER DR	CHELTON DR
BANCROFT WY	INTERNATIONAL BLVD	BANCROFT AV
BARCELONA ST	SEQUOYAH RD	NORTH END
BIRCH ST	98 AV	90 AV
BIRCH ST	105 AV	98 AV
BROADWAY	EMBARCADERO	11 ST
BROADWAY	11 ST	14 ST
BROADWAY	20 ST	GRAND AV
CARRINGTON ST	38 AV	HIGH ST
E 9TH ST	FRUITVALE AV	DEL MONTE
CERRITO AV	38 ST	40 ST
CHABOLYN TER	CHABOT RD	CITY LIMIT
CHABOT CREST	CITY LIMIT	CHABOT RD
CHABOT RD	SOUTH END	GOLDENGATE AV
CHELTON DR	HAVERHILL DR	CHELSEA DR
EDES AV	85 AV	ENTERPRISE WAY
COOLIDGE AV	SCHOOL ST	MACARTHUR BLVD
DINGLEY ST	CAMERON AV	ABERFOIL AV
E 11TH ST	2 AV	NORTH END
E 15TH ST	57 AV	SOUTH END
E 15TH ST	35 AV	NORTH END
E 17TH ST	27 AV	29 AV
E 17TH ST	4 AV	5 AV
E 17TH ST	40 AV	ROSEDALE AV

<b>Street Name</b>	<b>Begin</b>	<b>End</b>
E 20TH ST	MITCHELL ST	27 AV
E 21ST ST	MITCHELL ST	SOUTH END
E 28TH ST	GARDEN ST	NORTH END
E 36TH ST	BEAUMONT AV	EAST END
LIVINGSTON ST	FREEWAY (880)	COTTON ST
EDES AV	105 AV	98TH AV
EMERSON ST	CHATHAM RD	EAST END
EVANS AV	WELLINGTON ST	EVERETT AV
EVERS AV	E 38 ST	LINWOOD AV
FLEET RD	HOLMAN RD	GREENWOOD AV
FOOTHILL BLVD	35 AV	HIGH ST
FOOTHILL BLVD	FRUITVALE AV	35 AV
FRANKLIN ST	6 ST	14 ST
FRANKLIN ST	14 ST	BROADWAY
GASKILL ST	STANFORD AV	53 ST
GLENDOME CIR	EL CENTRO AV	EL CENTRO AV
GRAND AV	BROADWAY	HARRISON ST
GRAND AV	HARRISON ST	LEE ST
GRAND AV	LEE ST	MACARTHUR BLVD
GRANDE VISTA AV	EAST END	E 27 ST
HEDGE LN	JOAQUINMILLER R	BURDECK DR
HIGH ST	OAKPORT	E 12 ST
HIGH ST	JENSON ST	OAKPORT
HIGH ST	MACARTHUR BLVD	TOMPKINS AV
HIGH ST	FOOTHILL BLVD	GORDON ST
HIGH ST	GORDON ST	QUIGLEY ST
HOME PL E	MCKINLEY AV	SOUTH END
HUMPHREY PL	TRESTLE GLEN RD	NORTH END
KENTWOOD CT	MOUMTAIN BLVD	EAST END
KLAMATH ST	BRUNELL DR	NORTH END
KNOLL AV	MOUMTAIN BLVD	SOUTH END
LA SALLE AVE	MORAGA AV	TYSON CIR
MILES AV	PATTON ST	FOREST ST
LAKESIDE DR	14 ST	17 ST
LAKESIDE DR	17 ST	50 FT N/JACKSON ST
LINWOOD AV	EXCELSIOR AV	E 38 ST
LOCHARD ST	NORTH END	MALCOLM AV
LOGAN ST	COOLIDGE AV	FRUITVALE AV
LYNDE ST	COOLIDGE AV	SOUTH END
MARIE WY	CHABOT RD	EAST END
MARKET ST	3 ST	7 ST
MARTIN LUTHER KING JR WY	7 ST	11 ST

<b>Street Name</b>	<b>Begin</b>	<b>End</b>
MARTIN LUTHER KING JR WY	11 ST	12 ST
MARTIN LUTHER KING JR WY	12 ST	14 ST
MARTIN LUTHER KING JR WY	14 ST	SAN PABLO AV
MARTIN LUTHER KING JR WY	47 ST	54 ST
MARTIN LUTHER KING JR WY	54 ST	CITY LIMIT
MOUNTAIN BLVD	KUHLNE AV	CALAVERAS AV
MAYNARD AV	MOUMTAIN BLVD	SANFORD ST
MERA ST	42 AV	38 AV
MIDDLE HARBOR RD	OVERPASS END (PVMT CHNG)	3 ST
MIRASOL AV	GRANADA AV	MURILLO AV
MONTEREY BLVD	BENNET PL	GUIDO ST
MONTEREY BLVD	GUIDO ST	MAIDEN LN
MURDOCK CT	60 AV	NORTH END
NAIROBI PL	OAKDALE AV	EAST END
NEWTON AV	PARK BLVD	WESLEY AV
NORTHALE RD	SUNNYHILLS RD	ROSEMOUNT RD
PARK BLVD	CHATHAM RD	PVMT CHNG
NORWOOD AV	GREENWOOD AV	TRESTLE GLEN RD
OAKDALE AV	NAIROBI PL	SEMINARY AV
OAKLAND AV	ORANGE ST	29 ST
OAKLAND AV	29 ST	MACARTHUR BLVD
OAKMORE PL	OAKMORE RD	HANLY RD
OAKPORT ST	1300 FT E/O EDGEWATER RD	310 FT S/O HASSLER WY
OAKPORT ST	660 FT N/O HASSLER WAY	CONCRETE BRIDGE
OAKPORT ST	310 FT S/O HASSLER WY	660 FT N/O HASSLER WY
OAKPORT ST	CONCRETE BRIDGE	FREEWY ENTER
PERALTA OAKS CT	PERALTA OAKS DR	EAST END
POPLAR ST	PERALTA ST	24 ST
POPLAR ST	24 ST	W GRAND AV
POPLAR ST	W GRAND AV	WEST END
RAND AV	MANDANA BLVD	LAKE PARK AV
REATA PL	CHABOT RD	EAST END
REVERE AV	MARLOW DR	MARLOW DR
REVERE AV	FOOTHILL BLVD	MARLOW DR
ROSEDALE AV	E 16 ST	E 18 ST
ROSEDALE AV	E 18 ST	FOOTHILL BLVD
ROYAL ST	APRICOT ST	SAN LEANDRO ST
SAN LUIS AV	DOLORES AV	EAST END
SAUSAL ST	SHEFFIELD AV	SOUTH END
SHETLAND AV	GLEN ARTNEY ST	GOLF LINKS RD
STEARNS AV	98 AV	9555 STEARNS AV

<b>Street Name</b>	<b>Begin</b>	<b>End</b>
SUMMIT ST	29 ST	28 ST
TAFT AV	BROADWAY	MANILA AV
THORNHILL DR	MORAGA AV	MOUNTAIN BLVD
TELEGRAPH AV	16 ST	19 ST
TELEGRAPH AV	19 ST	THOMAS L BERKLEY (20 ST)
UNION ST	10 ST	7 ST
UNION ST	16 ST	10 ST
UNION ST	7 ST	5 ST
VAN DYKE AV	PARK BLVD	BROOKLYN AV
VICKSBURG AV	FOOTHILL BLVD	CONGRESS AV
W GRAND AV	WILLOW ST	CAMPBELL ST
W GRAND AV	MANDELA PKWY	MANDELA PKWY
W GRAND AV	CAMPBELL ST	MANDELA PKWY
W GRAND AV	WOOD ST	WILLOW ST
W GRAND AV	UNION ST	ADELINE ST
W GRAND AV	MANDELA PKWY	UNION ST
W GRAND AV	ADELINE ST	MARKET ST
WALAVISTA AV	LAKESHORE AV	CARLSTON AV
WARREN AV	PIEDMONT AV	RICHMOND BLVD
WERNER CT	MOUMTAIN BLVD	WOODMINSTER LN
WEST ST	M L KING WAY	52 ST
WEST ST	40 ST	MACARTHUR BLVD
WEST ST	52 ST	40 ST
WOOD ST	W GRAND AV	BEACH ST
WOOD ST	16 ST	20 ST
WOOD ST	20 ST	W GRAND AV
WOODRUFF AV	E 38 ST	HAMPEL ST
WRENN ST	ARCADIA AV	HOOVER AV