

Pavement Maintenance Program

City Council Meeting
October 2, 2017

CITY COUNCIL GOAL:
MAINTAIN AND ENHANCE SAN LEANDRO'S INFRASTRUCTURE

Outline

- Current Condition and Projects
- Funding
- Distribution of Funding
- 17-18 Project
- Beyond 17-18

Current condition

We maintain approximately 175 Centerline miles or 400 lane miles of streets.

San Leandro System Wide Pavement Condition Index (PCI):

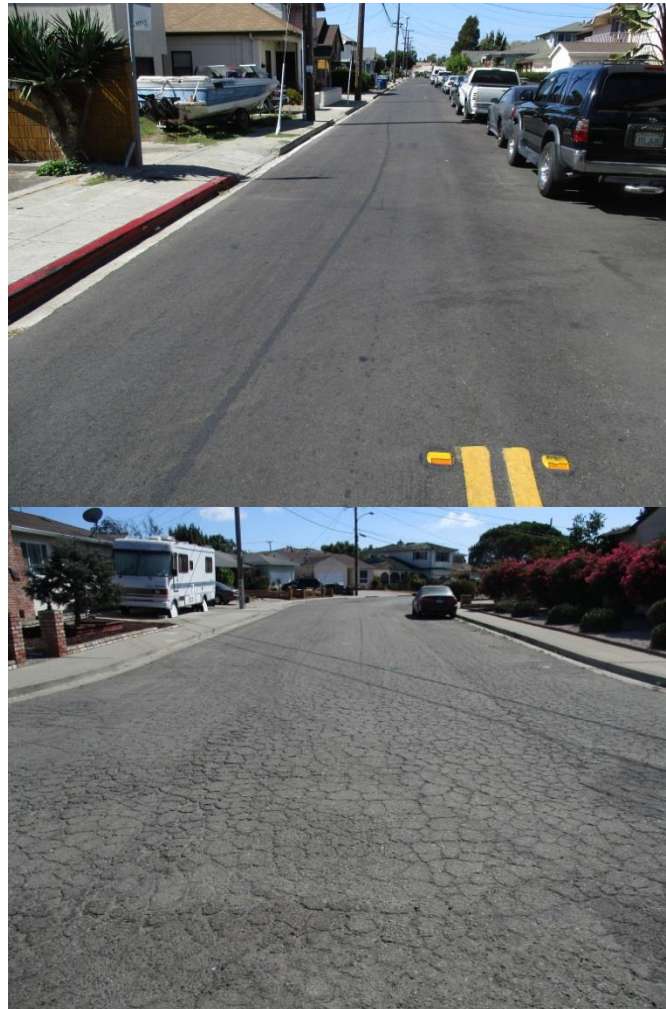
2015: 56

2016: 58

2016 bike routes only avg PCI = 70

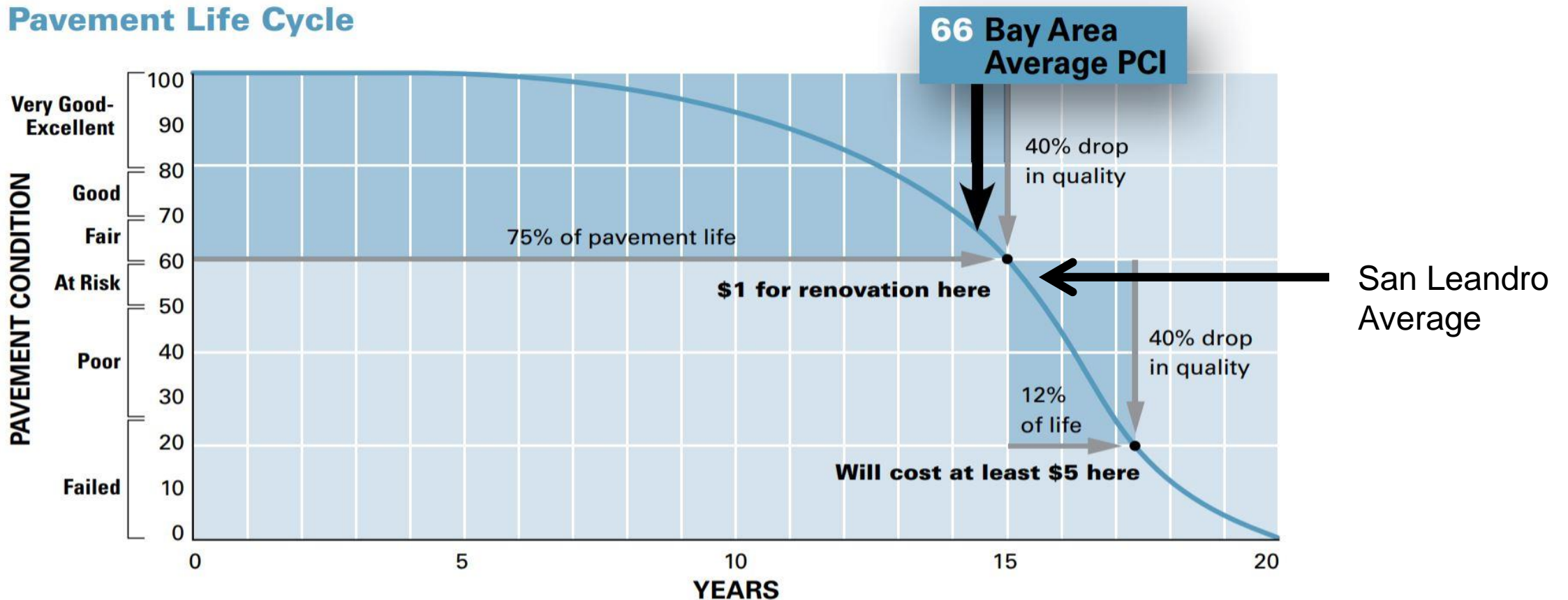
We are moving the right direction! In part due to a 5 year drought but also due to measure BB and HH.

However, our pavement is still at Risk – on steep part of curve.



Pavement Lifecycle Graph

Pavement Life Cycle



Time varies depending on traffic, climate, pavement design, etc.

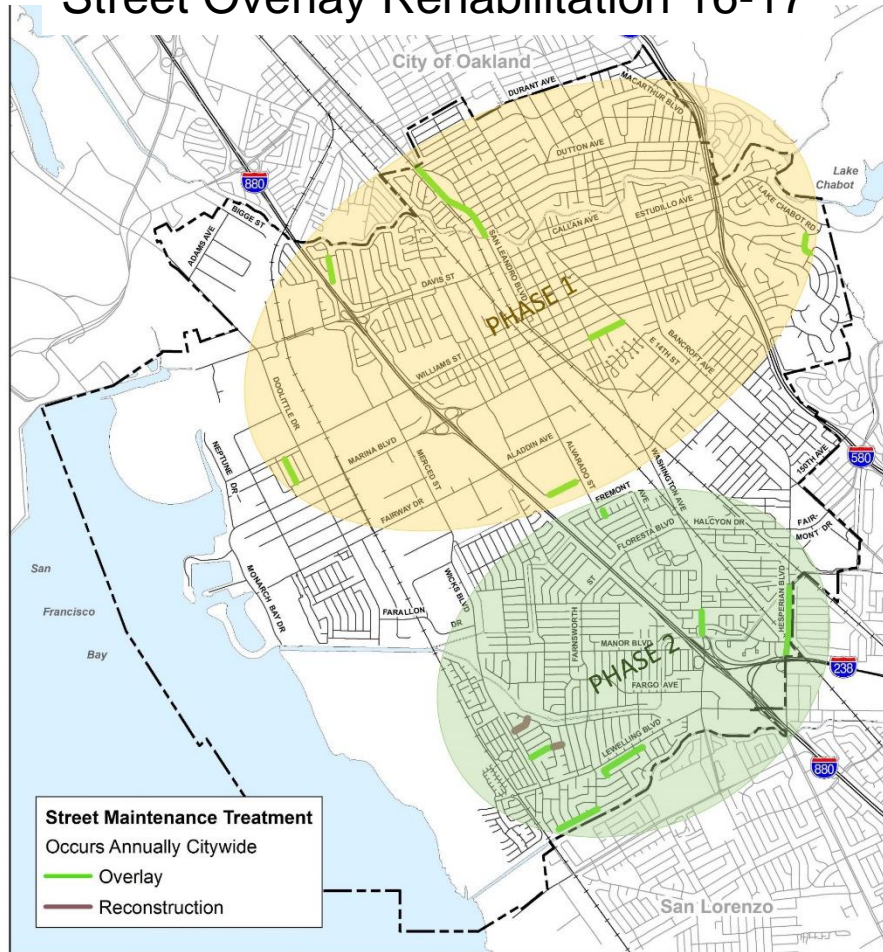
Current projects

Project	Status	Construction Cost	CWA
Street Overlay Rehabilitation 16-17 Group 1	Construction Started	~\$3M	Yes
Street Overlay Rehabilitation 16-17 Group 2	Design 70% complete.	~\$3M	Yes
Street Seal 16-17	Pavement work done. Striping and utility covers in progress.	~\$0.9M	
Ramps for Street Work 16-17	Done	~\$0.4M	
Street Overlay Rehabilitation 17-18	Design PO issued.	~\$7M	Yes
Street Seal 17-18	Streets being evaluated now.	~\$1.3M	Yes
Ramps for Street Work 17-18	Streets being evaluated now.	~\$0.4M	

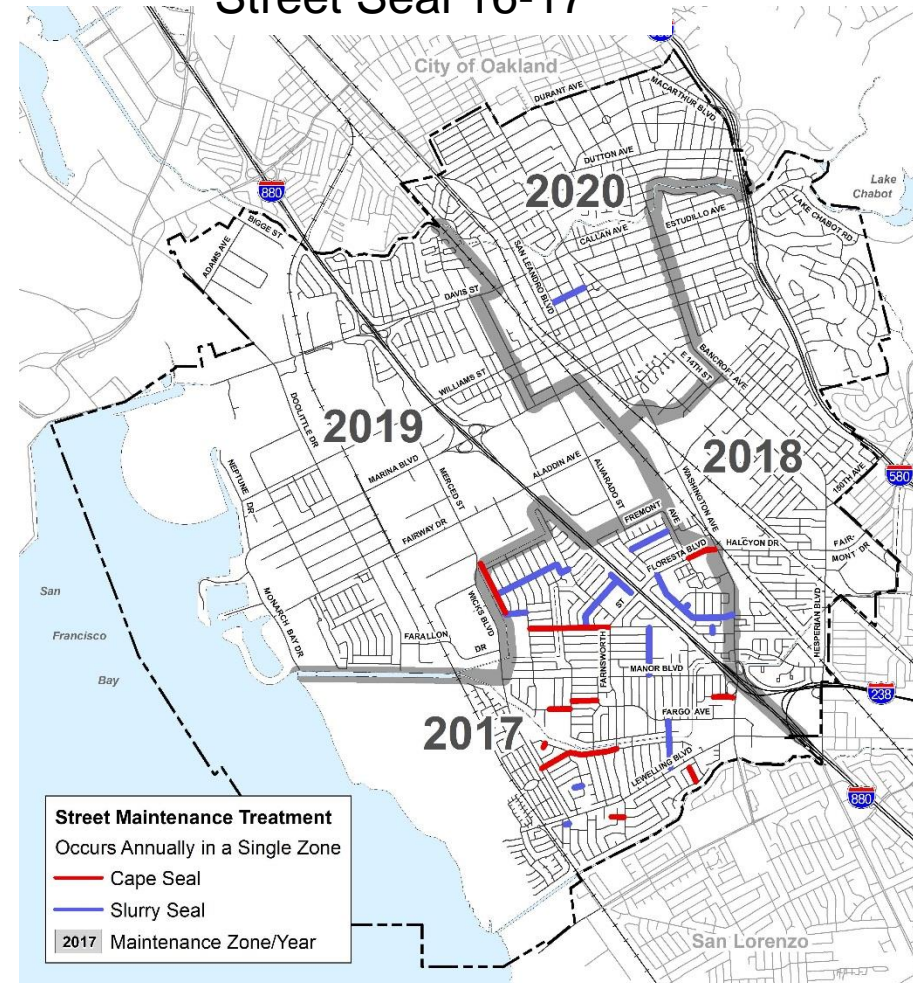
CWA = Community Workforce Agreement

Current projects

Street Overlay Rehabilitation 16-17

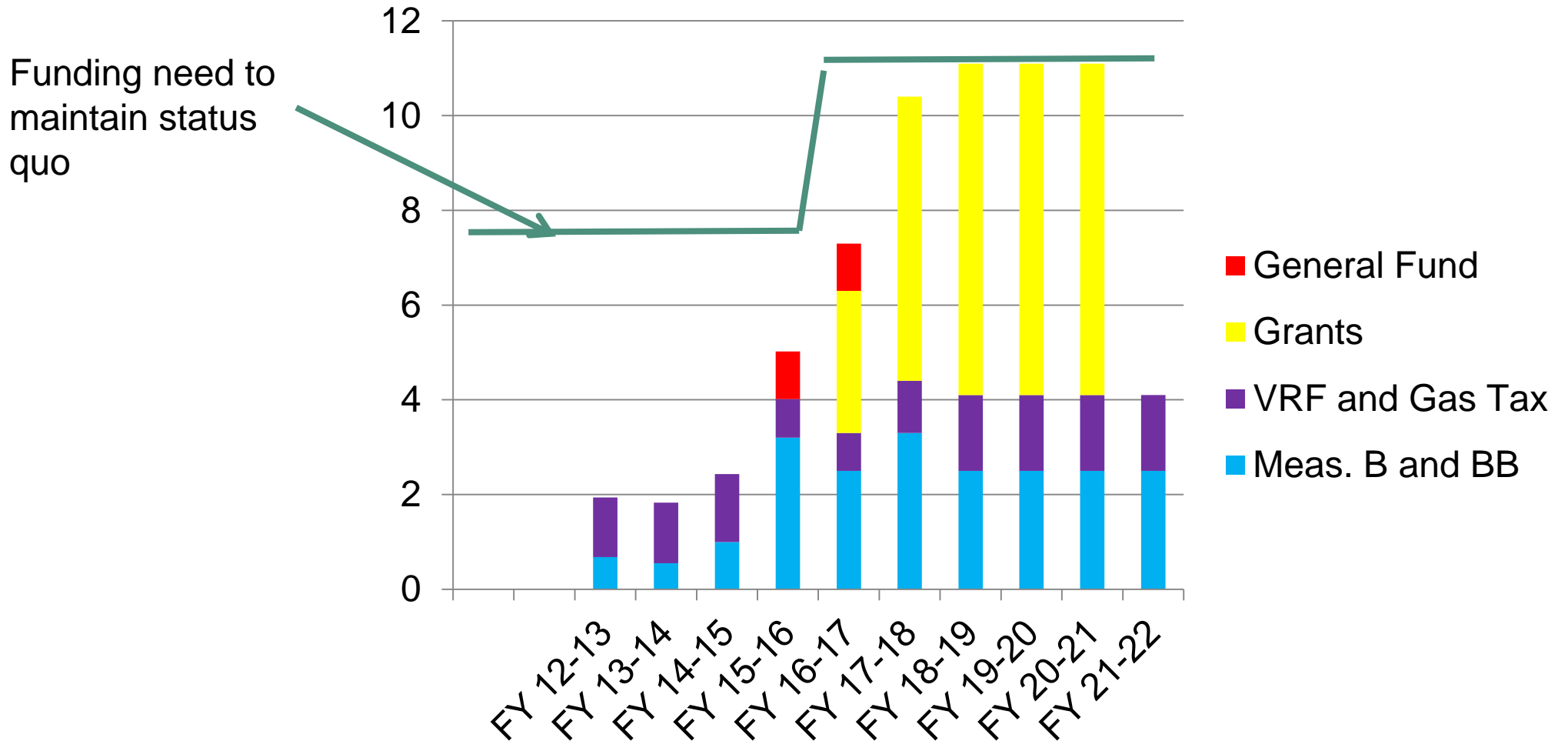


Street Seal 16-17



Written list of streets shown here is on our webpage

Street Maintenance Funding (CIP)



Gas tax funding

- FY 16-17 Old Gas Tax estimated funding
 - \$1.5M base – used for Public Works maintenance crews
 - \$0.2M Section 2103 – used for CIP
- FY 17-18 – transition year, funding will ramp up as new taxes come online
- FY 18-19 Senate Bill 1 Gas Tax estimated funding
 - \$2.0M HUTA (highway user tax account)
 - \$1.5M RMRA (road maintenance and rehab account)
 - Public Works will increase work and use approximately \$2.4M
 - \$1.1M available for CIP

Measure B/BB Funding

ACTC rules for prompt use of measure B and BB fund

2002 – Dec 2015

5 years to spend allocation

Jan 2016 – current

No more than 40% of one year allocation carry forward, 4 years to comply

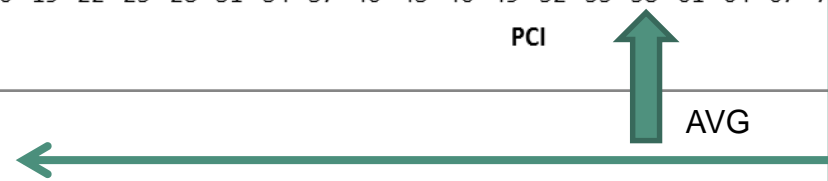
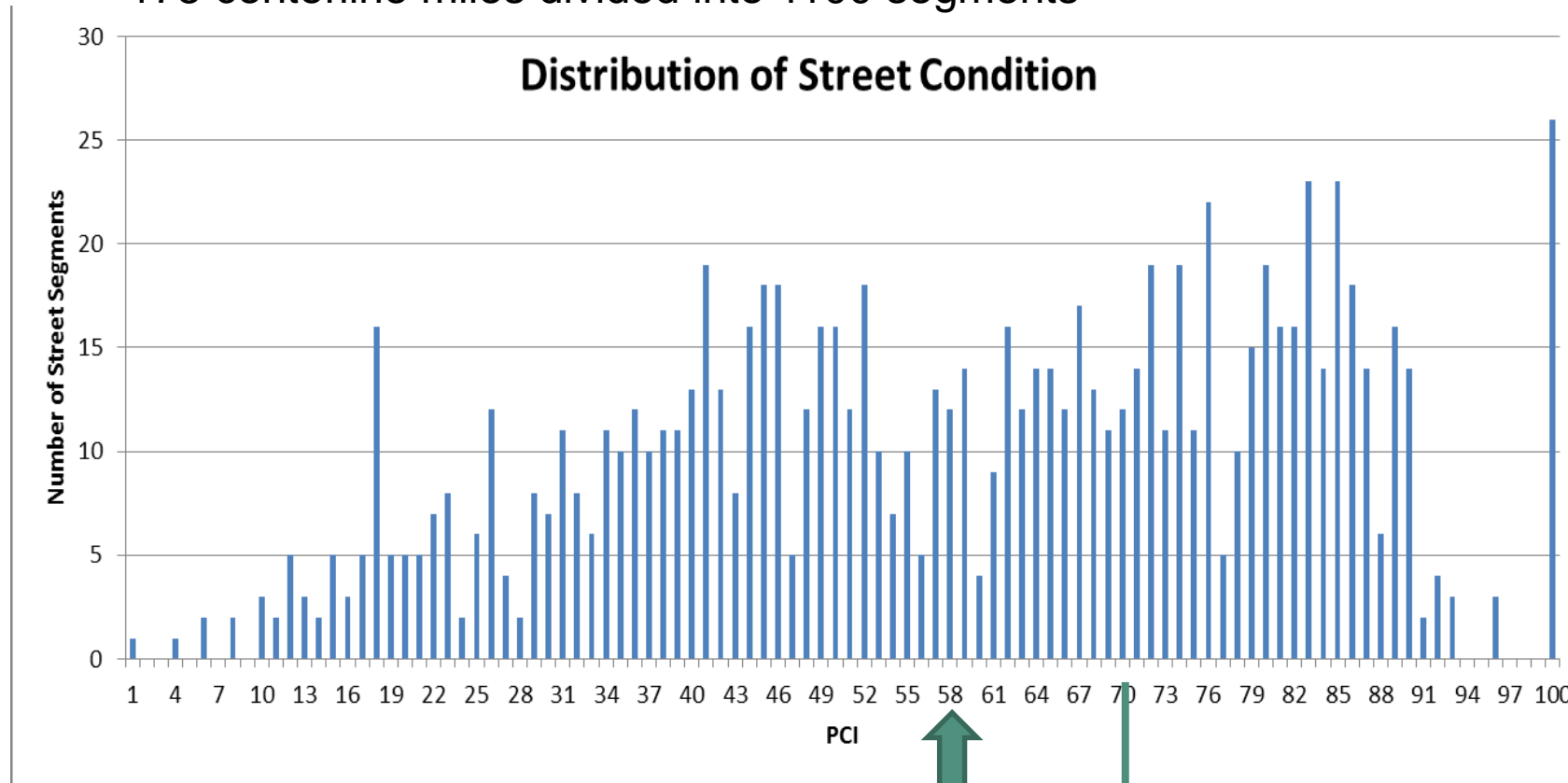
San Leandro spending of measure B and BB funds

2002-2015	FY 2016	FY 2017	FY 2018
Funds spent within 3 years. 200% carry forward.	111% carry forward.	No data yet	Anticipate <40% carry forward.

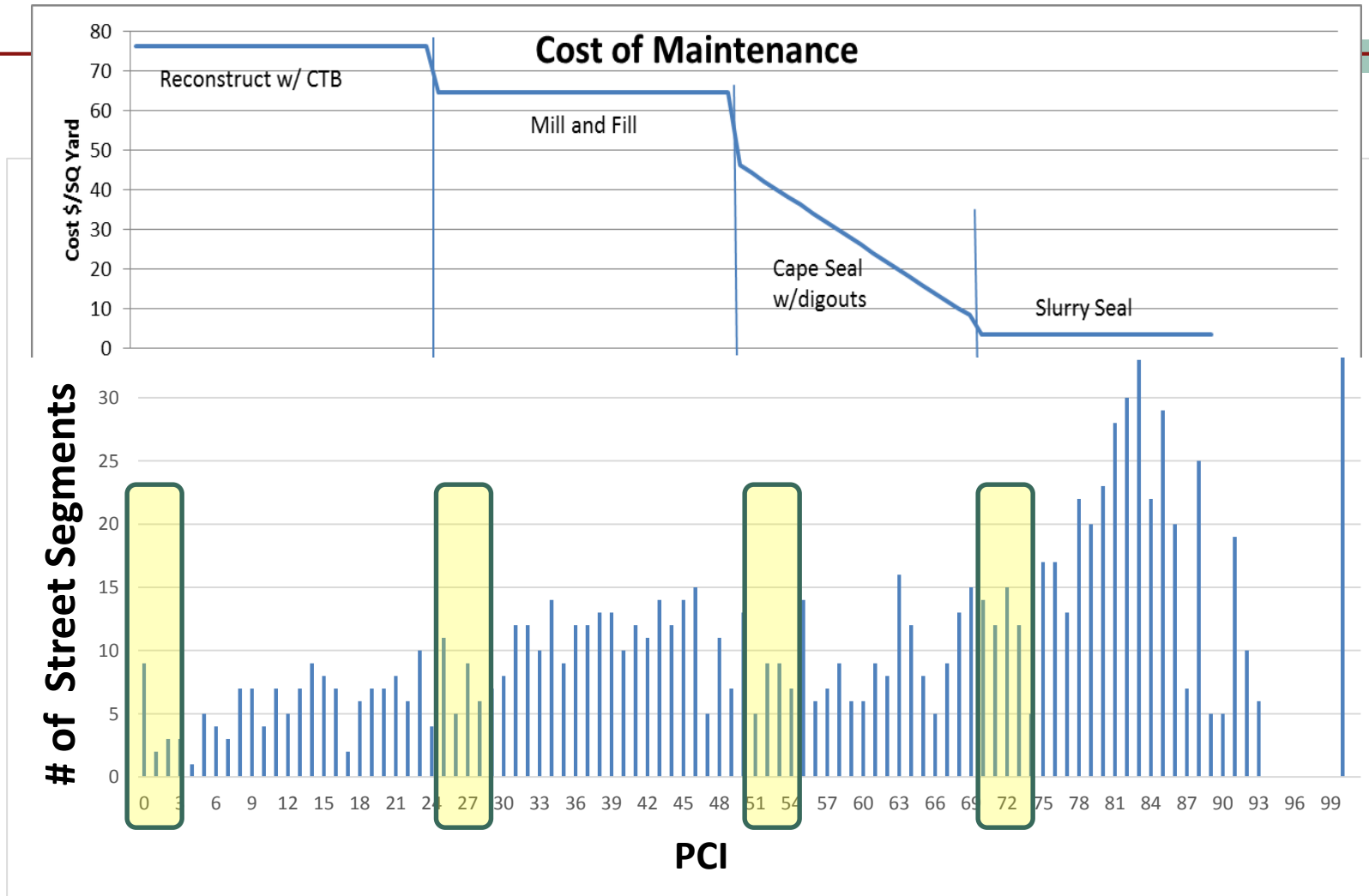
Spend down of our current measure B and BB balance results in additional appropriations in FY 2018

City Street System 2016

175 centerline miles divided into 1100 segments



Distribution of Funding



 Recommended maintenance

17-18 Project

\$10.5M Total Distributed as follows

- \$1.9M Street seal (cape and slurry) in eastern quadrant of the City
- \$8.6M Overlay and Reconstruction
 - Mill and fill arterial and collector streets (PCI 13 to 30: \$4.0M)
 - Mill and fill residential streets (PCI 25: \$1.8M)
 - Reconstruct arterial and collector streets (PCI 0: \$1.5M)
 - Reconstruct residential streets (PCI 0-3: \$1.3M)
 - Estimated 25 street segments total, 12 of which are bike routes.

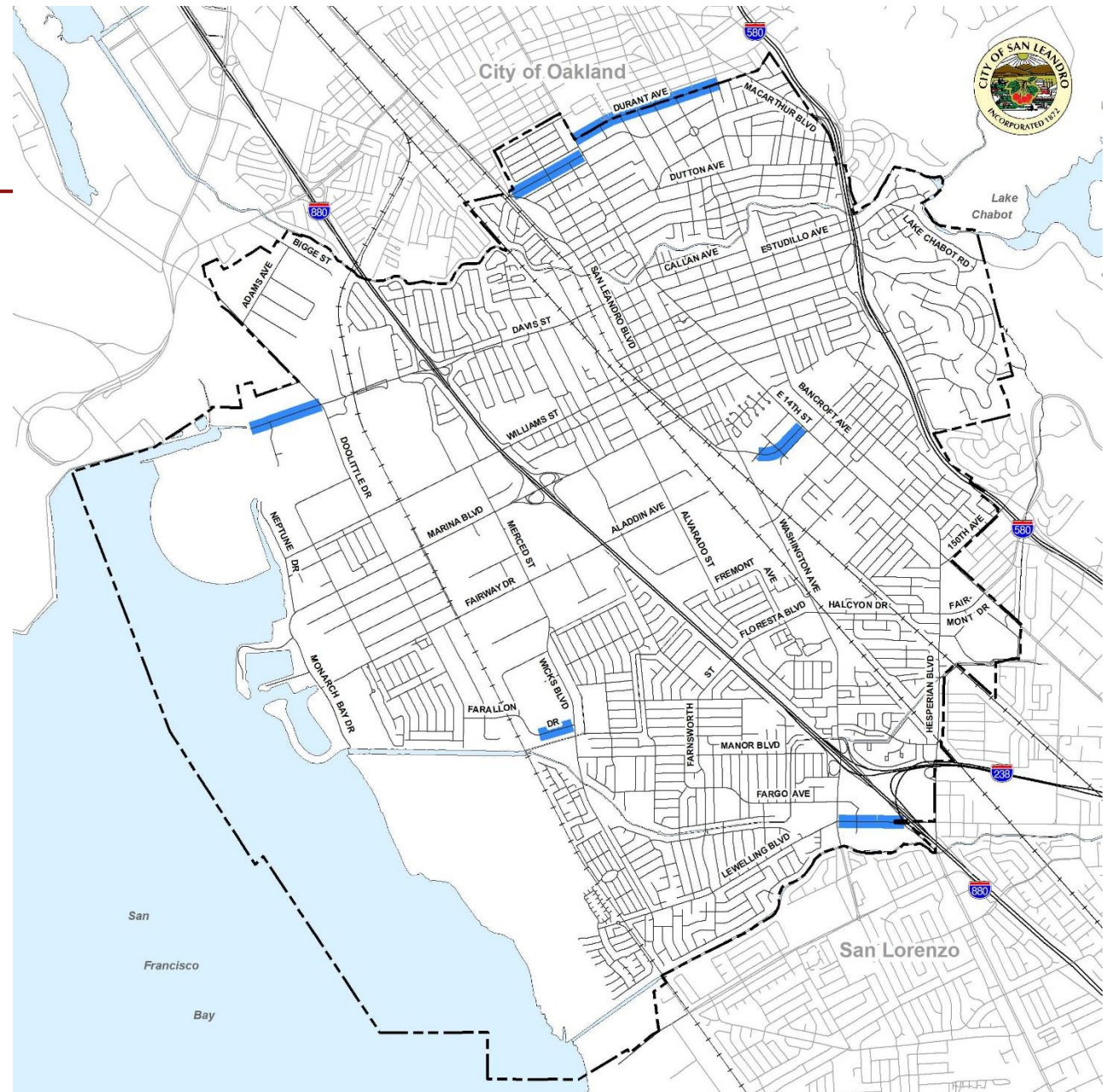
17-18 Project

Mill and fill arterial and collector streets (PCI 13 to 30: \$4.0M)

Road Name	Begin Location	End Location	Bike Lane/Route
DAVIS ST	DOOLITTLE DR	W TO END (CUL DE SAC)	Yes
DURANT AV	EAST 14TH ST	MYERS CT	
FARALLON DR	LOT #2013 NORTH FACE STORE	WICKS BL	Yes
LEWELLING BL	600 LEWELLING (CALTRANS)	WASHINGTON AVE	Yes
LEWELLING BL	NIMITZ FREEWAY	600 LEWELLING (CALTRANS)	Yes
SAN LEANDRO BL	COBURN CT	EAST 14TH ST	Yes
WEST BROADMOOR BL	SAN LEANDRO BL	EAST 14TH ST	

17-18 Project

Mill and fill arterial
and collector streets
(PCI 13 to 30: \$4.0M)



17-18 Project

Mill and fill residential streets (PCI 25: \$1.8M)

Road Name	Begin Location	End Location	Bike Lane/Route
136TH AV	BANCROFT AV	END (EAST OF SCHOOL ST)	Yes
EDISON AV	WHITNEY ST	McCORMICK ST	
GEORGIA WY	EAST 14TH ST	E TO END (CUL DE SAC)	
HALSEY AV	PATTON AVE	BANCROFT AVE	
HALSEY AV	WAKE AVE	PATTON AVE	Yes
JUANA AV	GRAND AVE	SAN RAFAEL ST	Yes
JUANA AV	SAN RAFAEL ST	BANCROFT AVE	Yes
JULIETTA ST	TERRA AVE	147TH AVE	
NELSON ST	HEBRON CT	FARNSWORTH ST	
OAKES BL	BANCROFT AVE	WOODLAND AVE	Yes

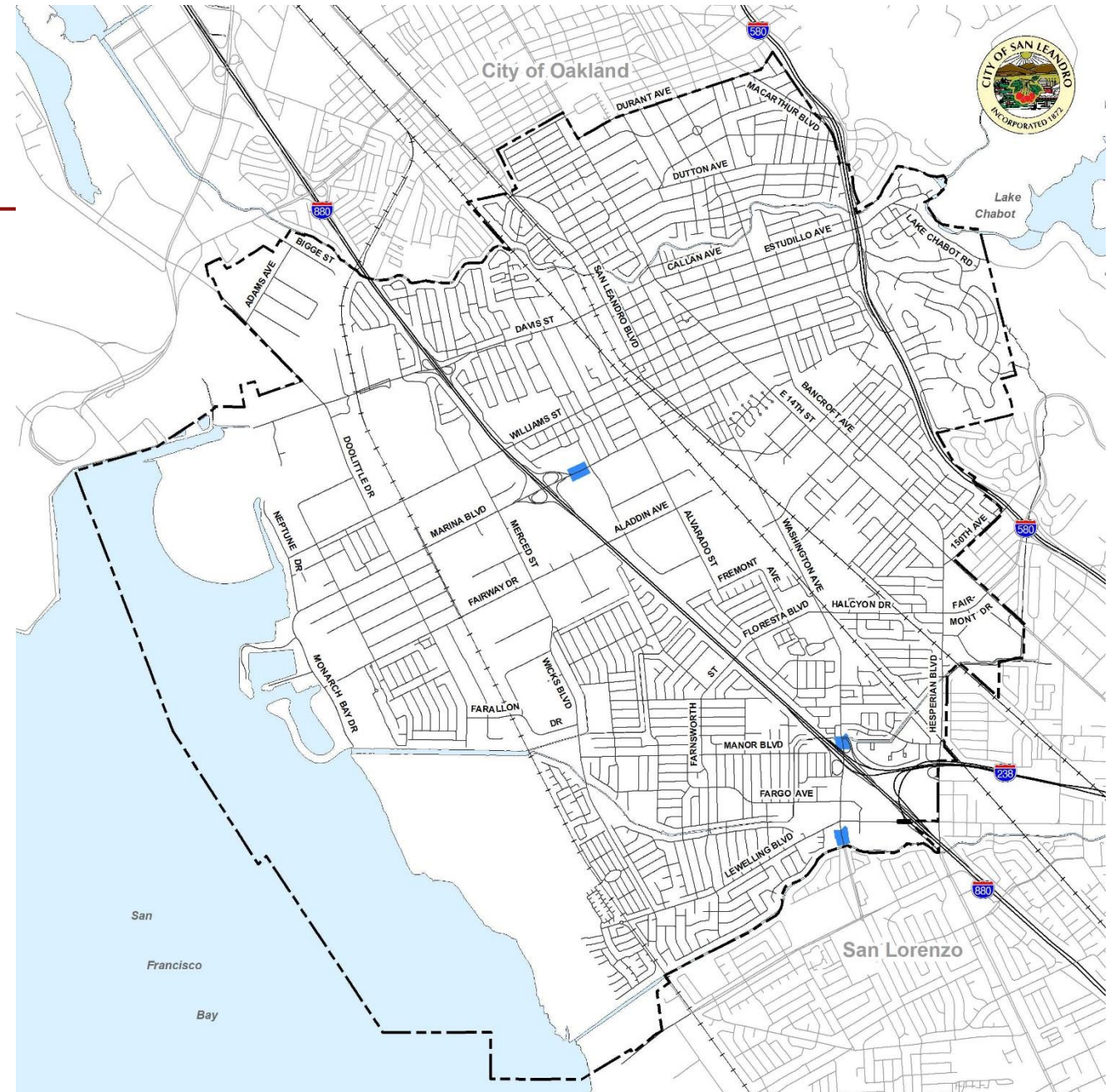
17-18 Project

- Reconstruct arterial and collector streets (PCI 0: \$1.5M)

Road Name	Begin Location	End Location	Bike Lane/Route
MARINA BL	MARINA SQUARE ENTRANCE	TEAGARDEN ST	
WASHINGTON AV	880 OFF RAMP/880 ON RAMP	880 OVERCROSSING	Yes
WASHINGTON AV	194' S/O LEWELLING BL	SAN LORENZO CREEK	Yes

17-18 Project

- Reconstruct arterial and collector streets (PCI 0: \$1.5M)



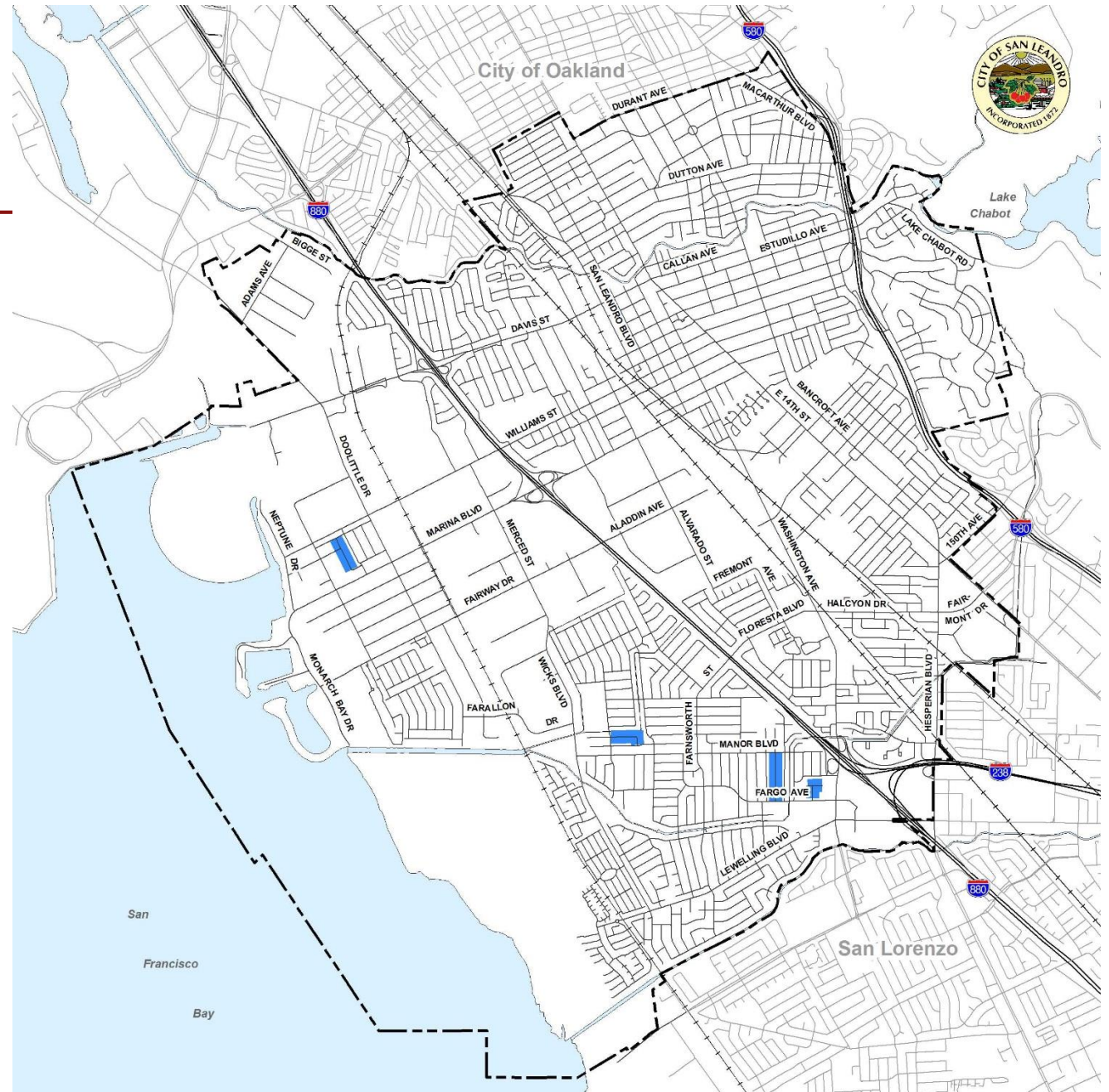
17-18 Project

Reconstruct residential / local Streets (PCI 0: \$1.3M)

Road Name	Begin Location	End Location	
GREER AV	CUL DE SAC E. OF GOLDEN GATE	CUL DE SAC W. OF GOLDEN GATE	
GOLDEN GATE DR	FARGO AVE	GREER AVE	
ENDICOTT ST	FARGO AV	MANOR BL	
ARCTIC ST	YUKON ST	SITKA ST	
BOXWOOD AV	JUNIPER ST	HUBBARD AV	

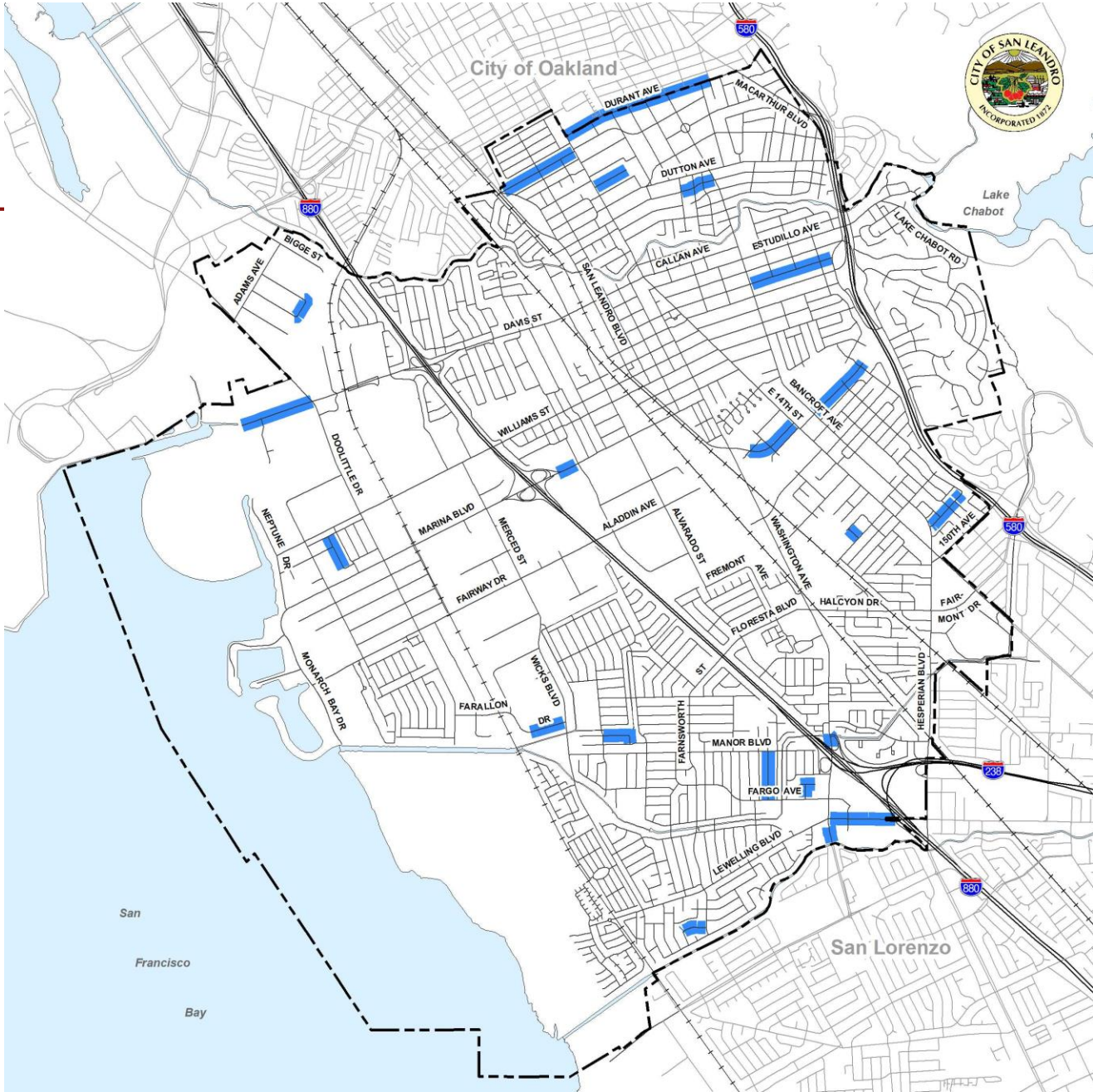
17-18 Project

Reconstruct residential / local Streets (PCI 0: \$1.3M)



17-18 Project

Entire Project



Beyond 17-18

- 3 more years of Measure BB grant funding.
- Approximately \$1.5M/year for Arterial and Collector Reconstruction.
- 11 street segments currently in need of reconstruction.

Road Name	Begin Location	End Location	PCI	Bike Lane/Route
ALADDIN AV	ALVARADO ST	E TO END (CUL DE SAC)	1	
WILLIAMS ST	AURORA DR	DOOLITTLE DR	7	Yes
FREMONT AV	FLORESTA BL	S TO END	10	
INVERNESS ST	MANOR BLVD	TROJAN AVENUE	10	
MARINA BL	NEPTUNE DR / MONARCH BAY DR	DOOLITTLE DR	10	
BENEDICT DR	BENEDICT CT	200 FT S. OF SHERRY CT	10	
139TH AV	RR TRACKS	DRIVEWAY @ 790 139TH AV	11	
AURORA DR	WILLIAMS ST	MARINA BL	11	
BENEDICT DR	SAN LEANDRO CR BRG	ESTUDILLO AV	11	
PARK ST	WEST BROADMOOR BLVD	BEST AVE	17	Yes
WASHINGTON AV	HUDSON LN	103' N/O SAN LEANDRO BLVD	25	Yes

Estimated extent of grant funded work

Beyond 17-18

- 3 more years of Measure BB grant funding.
- Approximately \$1.5M/year for Residential Reconstruction.
- 110 street segments currently in need of reconstruction.
 - Approximately \$25M needed to repair all.
 - None of these segments are bike routes.

Beyond 17-18

Estimated Extent of Grant Funded Work

Road Name	Begin Location	End Location
136TH AV	DEAD END (W OF ROSE DR)	EAST 14TH ST
ADASON DR	HALCYON DR	HESPERIAN BL
ASBURY CT	CORVALLIS ST	CUL DE SAC
BEATTY ST	LEWELLING BL	BURKHART AV
BENEDICT CT	BENEDICT DR	E TO END (CUL DE SAC)
BURROUGHS AV	WICKS BLVD	GRIFFITH ST
CARPENTIER ST	WILLIAMS ST	CASTRO ST
CHAPEL CT	CHAPEL AV	S TO END (CUL DE SAC)
FORDHAM AV	CORVALLIS ST	ROLLINS ST
HARLAN ST	SAN LEANDRO BLVD	W TO SPRR (DEAD END)
MONTREAL ST	CUL DE SAC N. OF EDMONTON	VINING DR
MONTROSE DR	BENEDICT DR	E TO END (CUL DE SAC)
OLIVE CT	HESPERIAN BLVD	E TO END (CUL DE SAC)
PANSY ST	TERRA AVE	147TH AVE
PANSY ST	147TH AVE	LILLIAN AVE
PERSHING DR	LEO AVE	BEST AVE
ROLLINS ST	OTTAWA ST	FORDHAM AVE
SANDELIN AV	NORENE WAY	SE TO END (CUL DE SAC)
SWENSON ST	MANOR BL	N TO END (CUL-DE-SAC)
VERA AV	VIOLET ST	DEAD END N/o NABOR ST

Questions?

