



City of San Leandro

Meeting Date: October 2, 2017

Presentation

File Number: 17-454

Agenda Section: PRESENTATIONS

Agenda Number: 4.A.

TO: City Council

FROM: Chris Zapata
City Manager

BY: Keith Cooke
Engineering & Transportation Director

FINANCE REVIEW: Not Applicable

TITLE: Presentation on Pavement Maintenance Program and Street Selection Process

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):

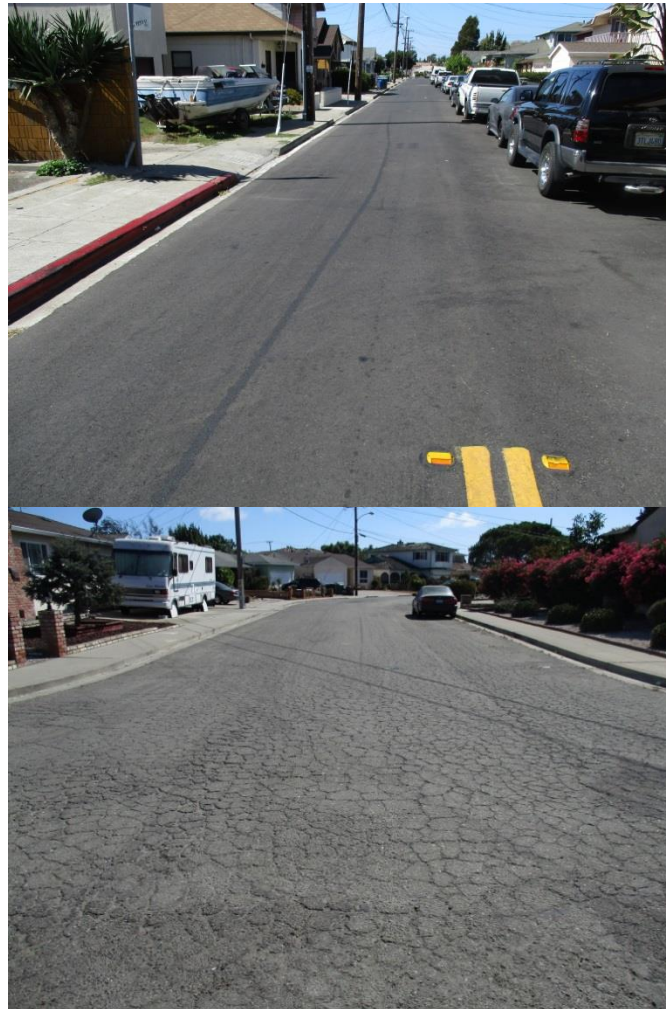
2015: 56

2016: 58

2016 bike routes only avg PCI = 70

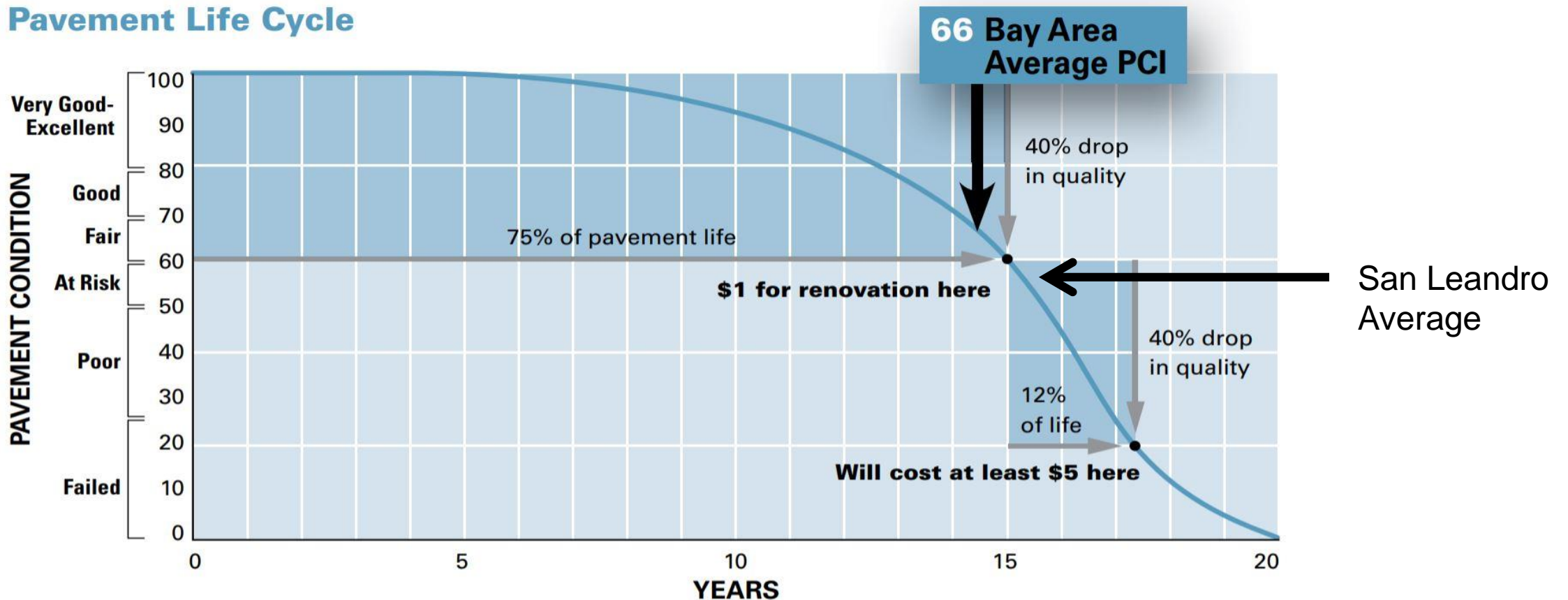
We are moving the right direction! In part due to a 5 year drought but also due to measure BB and HH.

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



Pavement Lifecycle Graph

Pavement Life Cycle



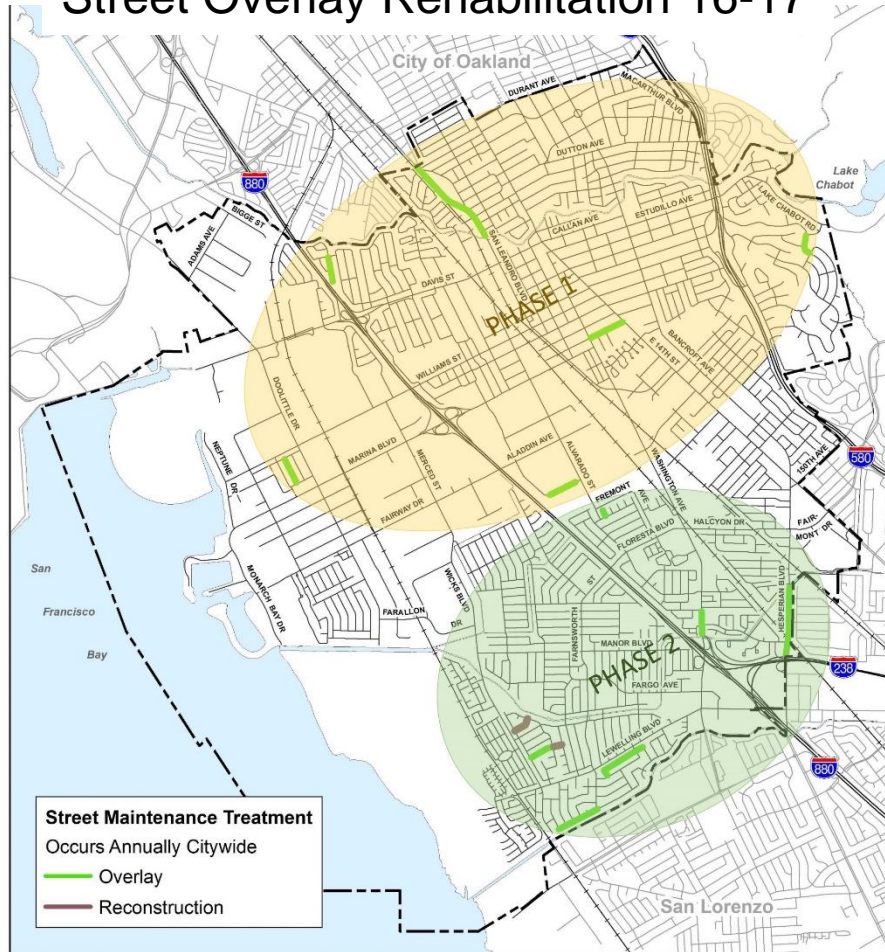
Time varies depending on traffic, climate, pavement design, etc.

Current projects

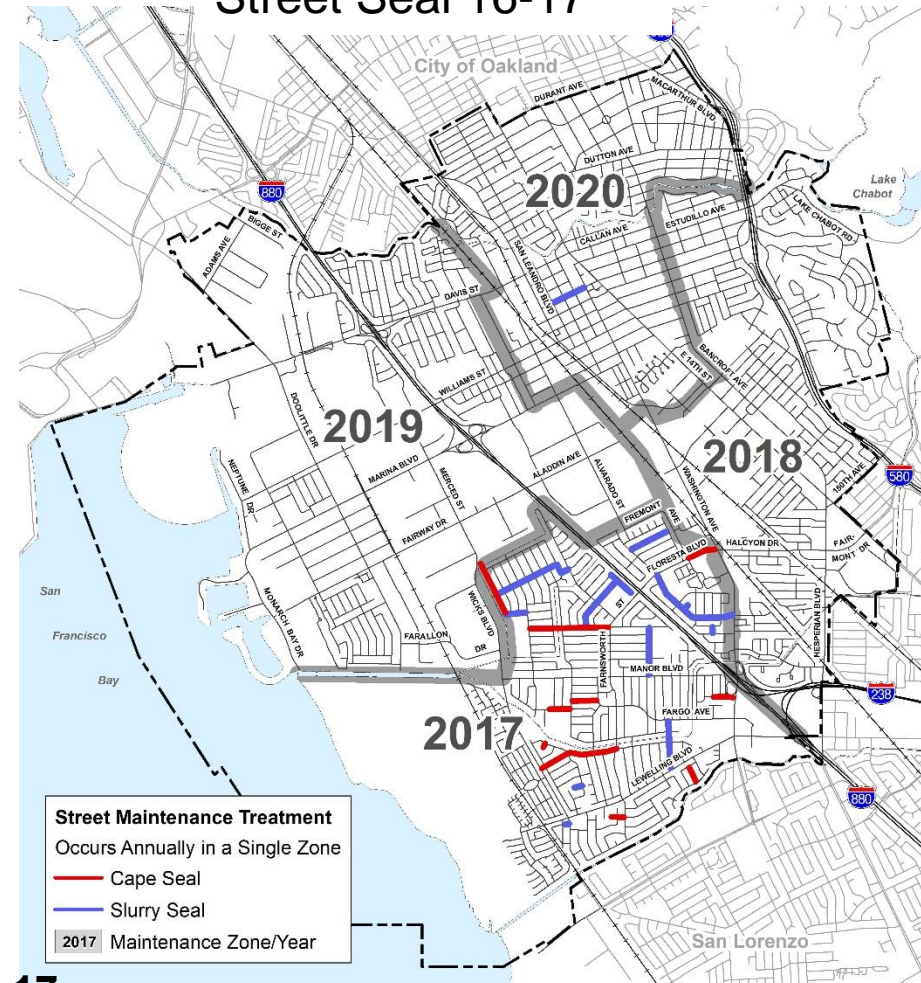
Project	Status	Construction Cost
Street Overlay Rehabilitation 16-17 Group 1	Construction Started	~\$3M
Street Overlay Rehabilitation 16-17 Group 2	Design 70% complete.	~\$3M
Street Seal 16-17	Pavement work done. Striping and utility covers in progress.	~\$1.3M
Street Overlay Rehabilitation 17-18	Design PO issued.	~\$7M
Street Seal 17-18	Streets being evaluated now.	~\$1.7M

Current projects

Street Overlay Rehabilitation 16-17

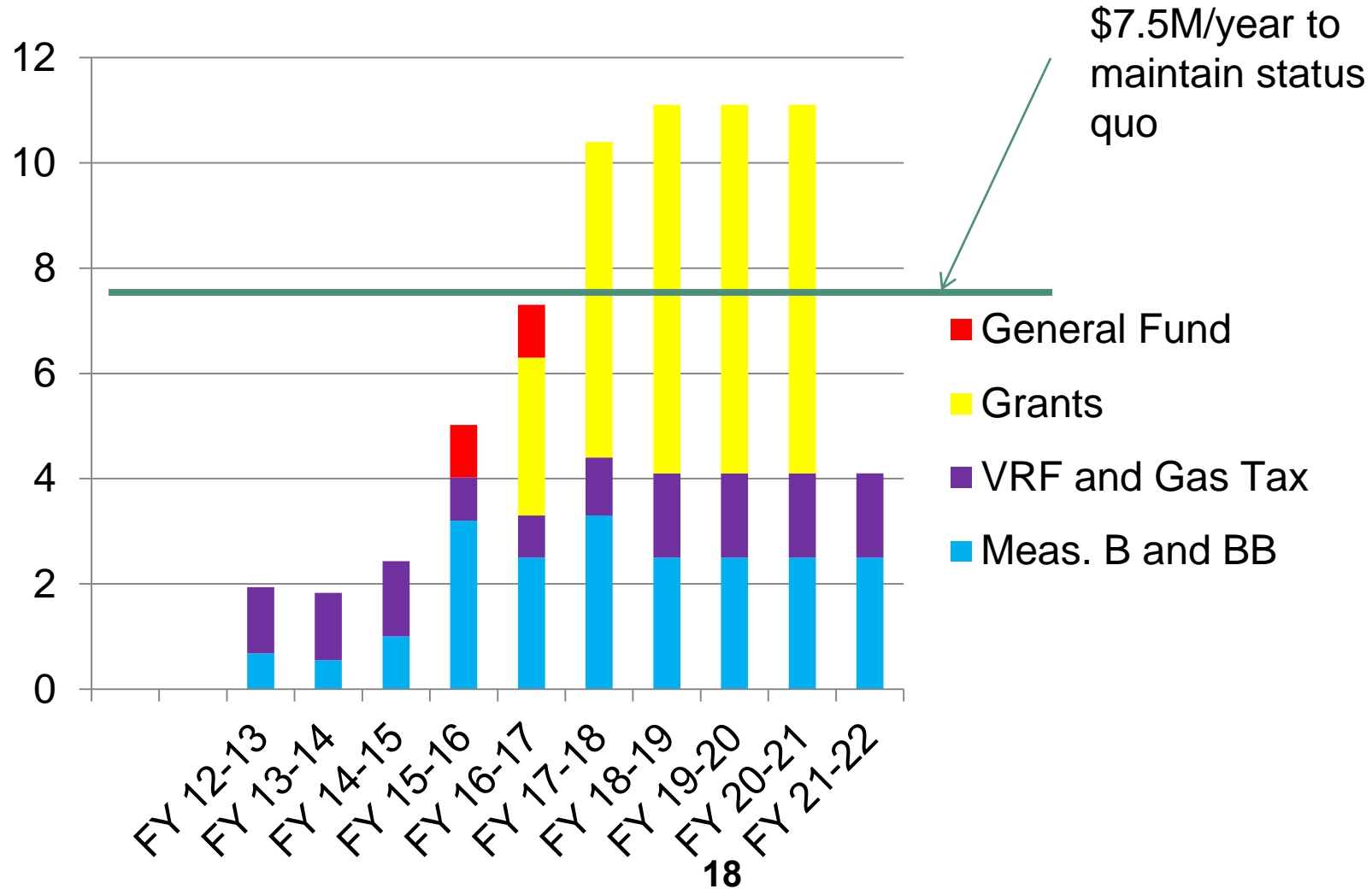


Street Seal 16-17



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

1 year to spend allocation, 4 years to comply

Exact funding isn't known until after the fiscal year is over, therefore strict compliance is only required once every four years.

San Leandro spending of measure B and BB funds

2002-current

Funds spent within 3 years requirement

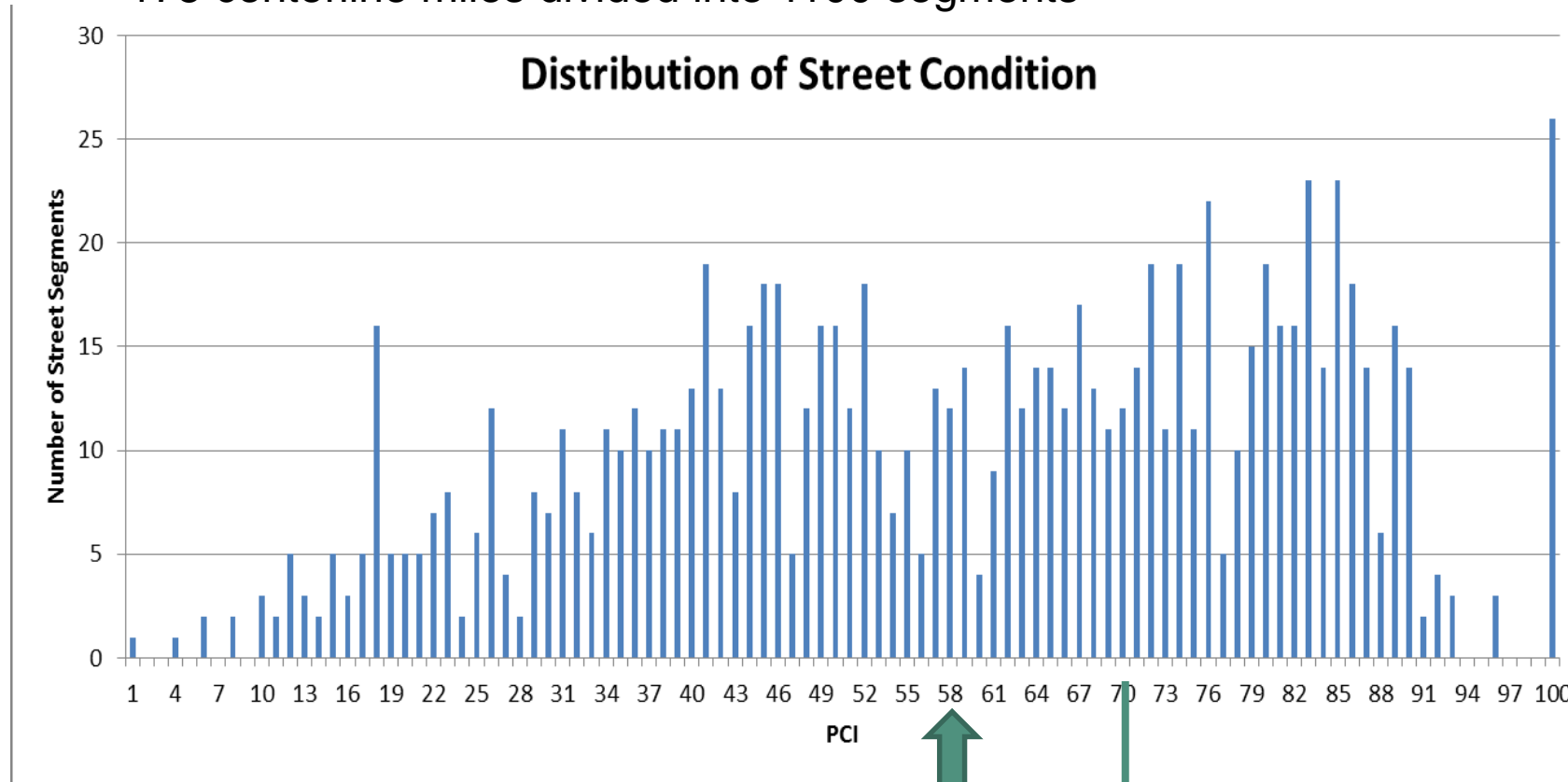
FY 2019

Will comply with 1 year spending

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

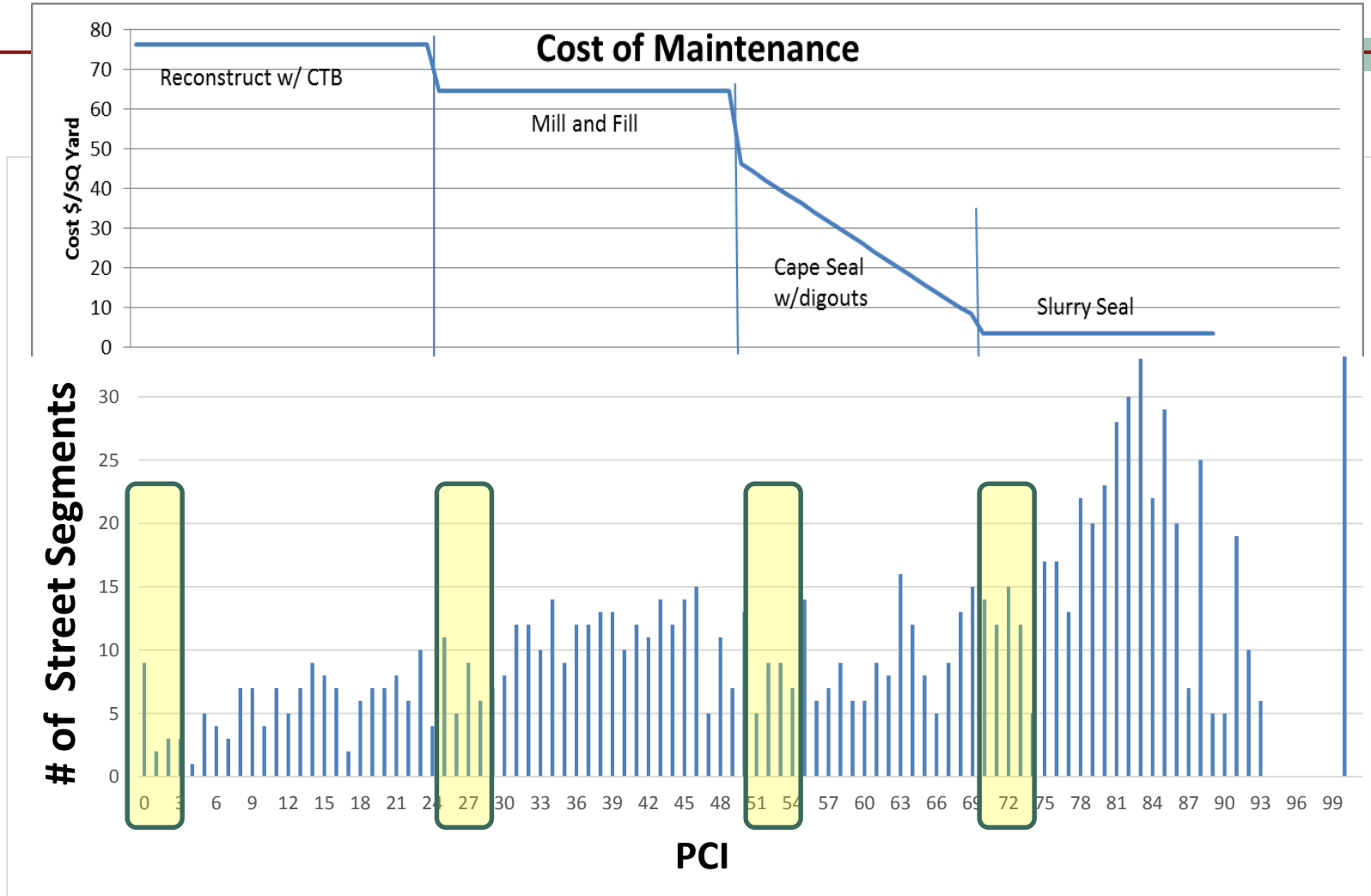
City Street System 2016

175 centerline miles divided into 1100 segments



← ~\$100M to repair all these
21 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 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 Residential / Local Reconstruction Streets (PCI 0: \$1.3M)

Road Name	Begin Location	End Location	Current PCI as of 9-12-2017
BURROUGHS AV	WICKS BLVD	GRIFFITH ST	0
FLEMING ST	FARGO AV	#15139 FLEMING ST	0
GOLDEN GATE DR	FARGO AVE	GREER AVE	0
GREER AV	CUL DE SAC E. OF GOLDEN GATE	CUL DE SAC W. OF GOLDEN GATE	0
SWENSON ST	MANOR BL	N TO END (CUL-DE-SAC)	0

Beyond 17-18

- 3 more years of Measure BB grant funding.
- Approximately \$1.5M/year for Arterial and Collector Reconstruction.
- \$4.5M total
- 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.
- \$4.5M total
- 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	PCI
ENDICOTT ST	FARGO AV	MANOR BL	0
ROLLINS ST	OTTAWA ST	FORDHAM AVE	2
BENEDICT CT	BENEDICT DR	E TO END (CUL DE SAC)	3
MONTREAL ST	CUL DE SAC N. OF EDMONTON	VINING DR	3
CHAPEL CT	CHAPEL AV	S TO END (CUL DE SAC)	4
MONTROSE DR	BENEDICT DR	E TO END (CUL DE SAC)	4
FORDHAM AV	CORVALLIS ST	ROLLINS ST	5
HARLAN ST	SAN LEANDRO BLVD	W TO SPRR (DEAD END)	5
PANSY ST	TERRA AVE	147TH AVE	5
PANSY ST	147TH AVE	LILLIAN AVE	5
THORNTON ST	ALVARADO ST	BARRICADE AT DEAD END(SPRR)	5
VERA AV	VIOLET ST	DEAD END N/o NABOR ST	5
ASBURY CT	CORVALLIS ST	CUL DE SAC	6
SANDELIN AV	NORENE WAY	SE TO END (CUL DE SAC)	6
ADASON DR	HALCYON DR	HESPERIAN BL	7
ARCTIC ST	YUKON ST	SITKA ST	7
BEATTY ST	LEWELLING BL	BURKHART AV	7
CARPENTIER ST	WILLIAMS ST	CASTRO ST	7
PERSHING DR	LEO AVE	BEST AVE	7
136TH AV	DEAD END (W OF ROSE DR)	EAST 14TH ST	8
BOXWOOD AV	JUNIPER ST	HUBBARD AV	8
	30		

Questions?

