



City of Albany Pavement Management Program and Capital Improvement Project Planning

Presented by:

Jenny Van Dyke, PE

and

Robert Gonzales, PE

March 2, 2020



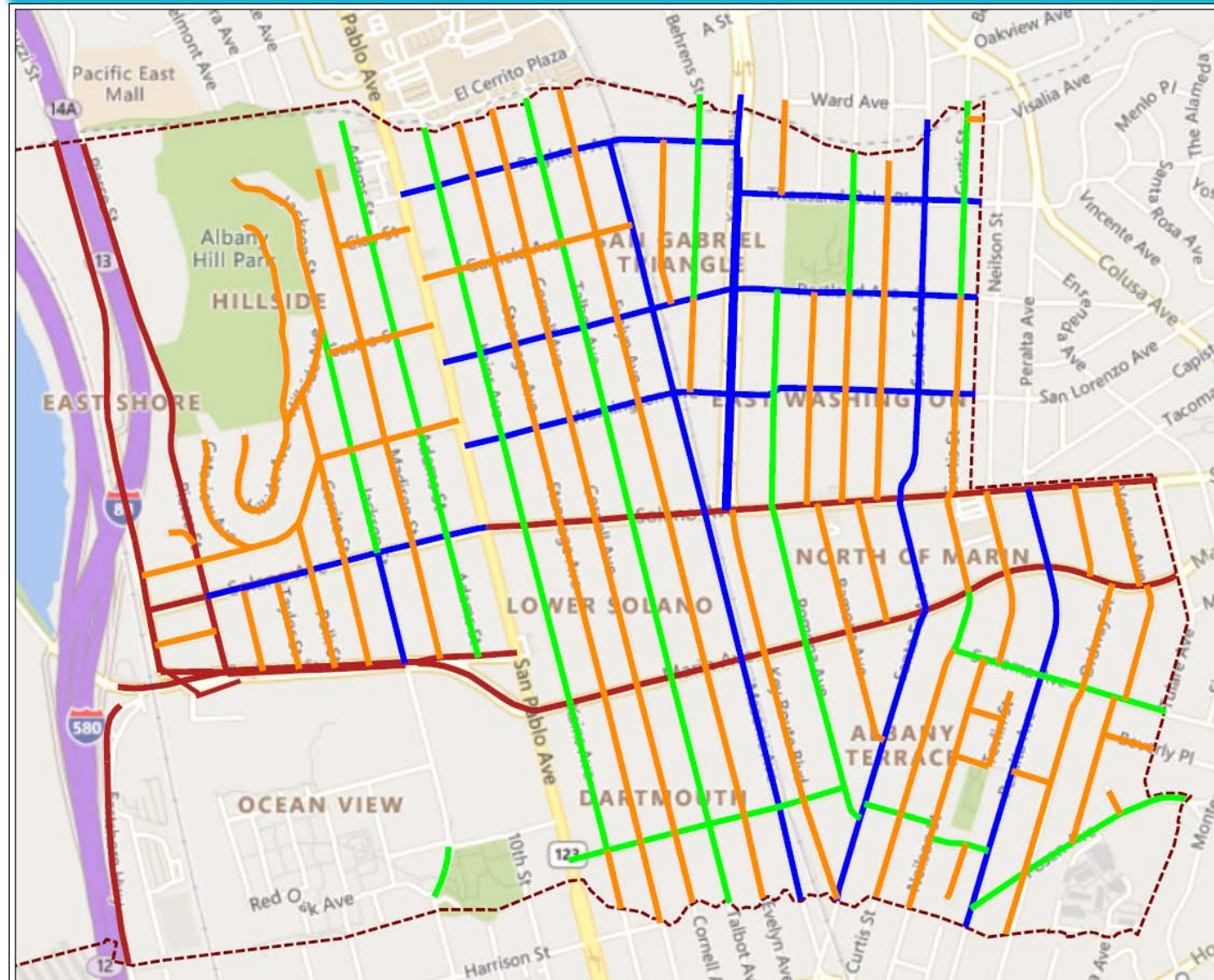
Today's Discussion



City Map by Functional Class

Feature Legend

- A Arterial
- C Collector
- O Other
- R Residential/Local



Database





Functional Classification Distribution

Functional Class	Centerline Miles	Lane Miles	Weighted Average PCI*
Arterial	5.22	10.49	54
Collector	6.20	12.40	47
Residential	12.17	24.26	53
Other	5.62	11.12	59
Total	29.21	58.26	53

*PCI is from City's StreetSaver database in late 2018

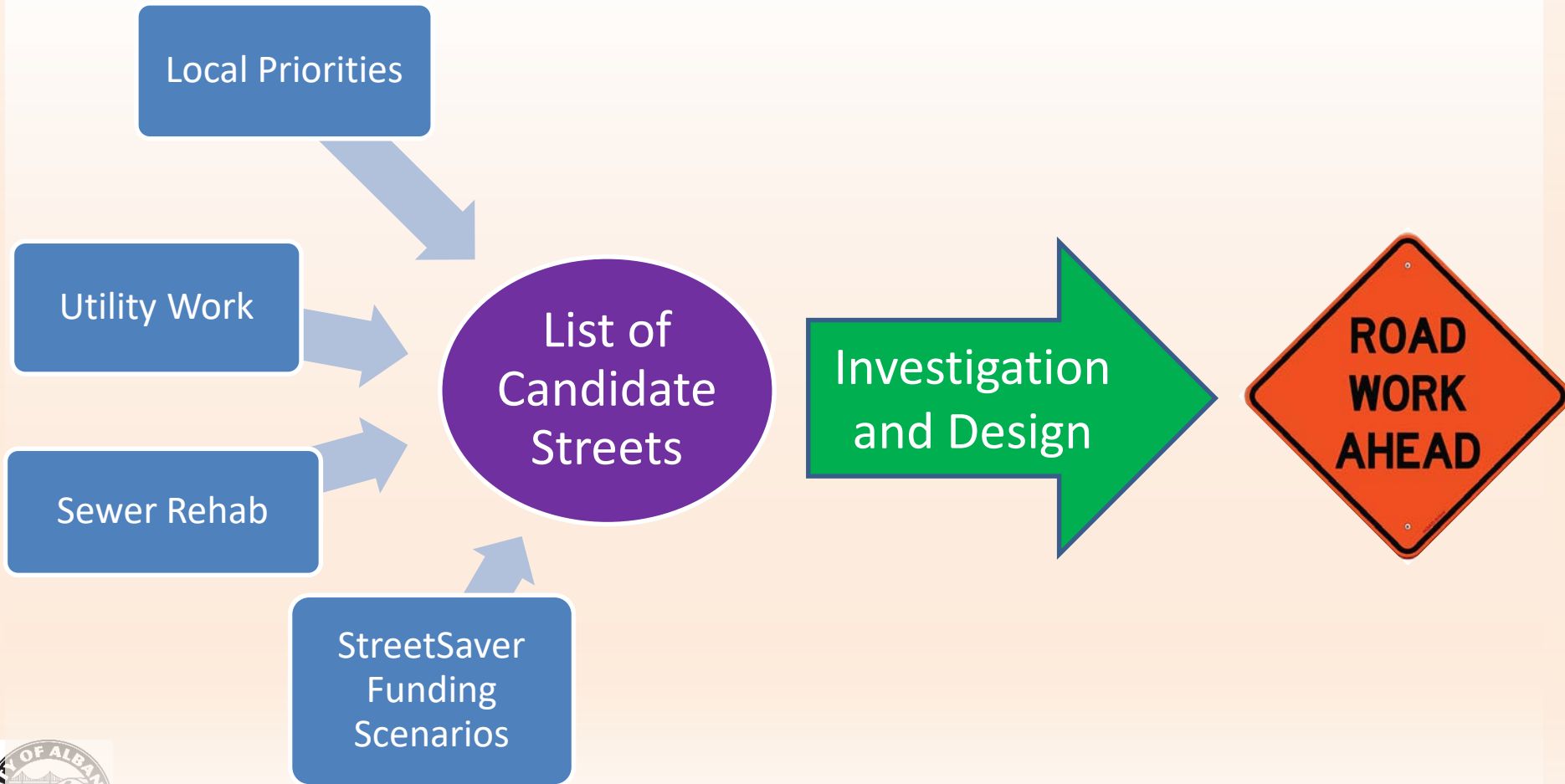


Scenario Criteria Adjustments

-  Weighting factors by FC
-  Budget allocation by FC
-  Treatment adjustments
-  **RESULT:** Condition of each FC improves to within 5 points of each other over 10 years



Implementation

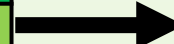


Condition Assessment

What is Albany's PCI?

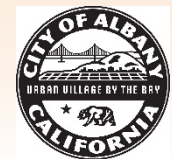


Albany in 2018
is at 53
and "At Risk"



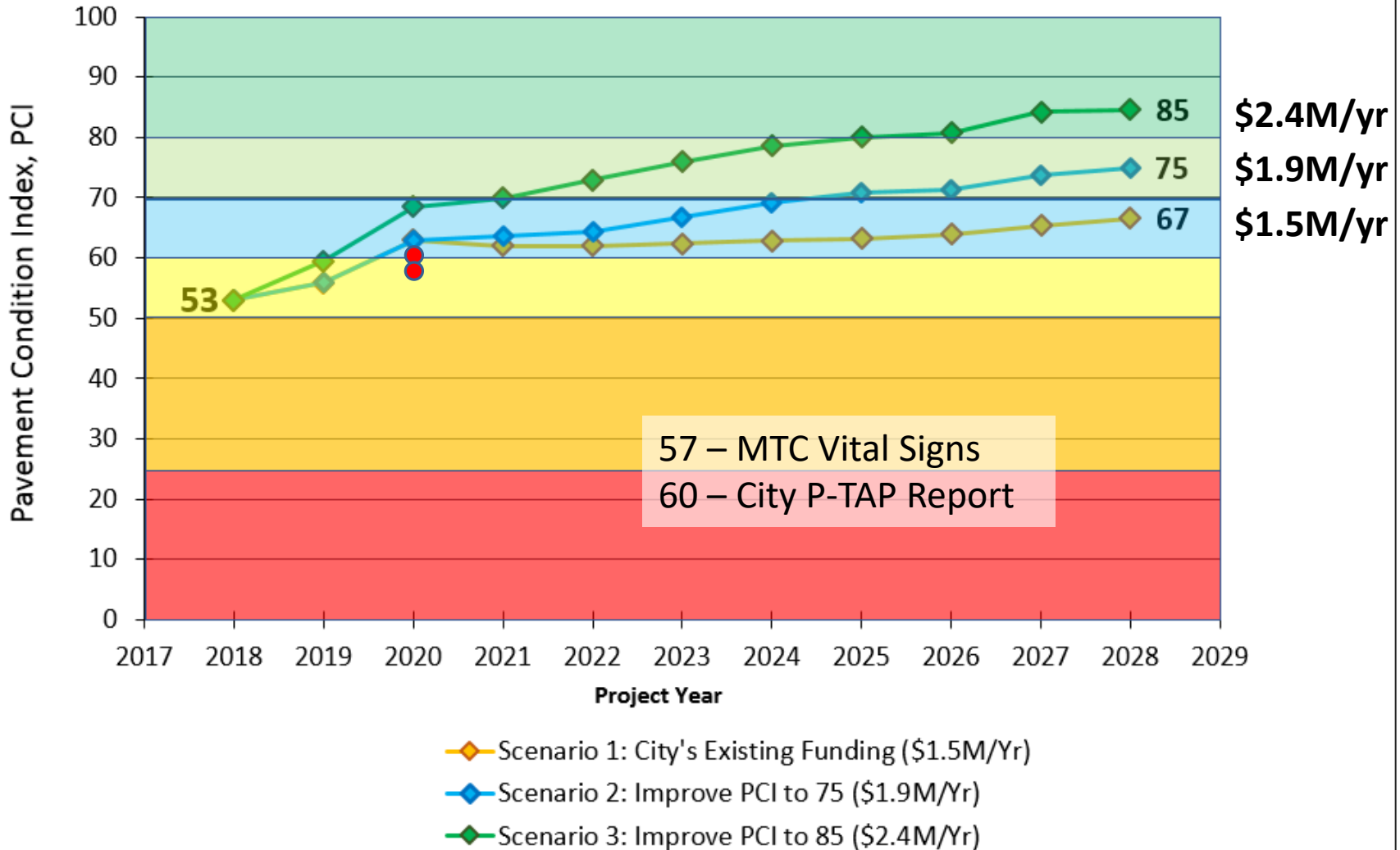
Scenario Summary

- Scenario 1 is based on existing secured funds
- Scenario 2 targets PCI in Good condition (75)
 - StreetSaver indicates budget needed
- Scenario 3 targets PCI in Very Good condition (85)
 - StreetSaver indicates budget needed



Implementation Funding Scenarios

PCI vs Project Year



Implementation Scenario PCI by Year

		Current Funding	Improve to 75	Improve to 85
Functional Class	2018	Yr 10	Yr 10	Yr 10
Arterial	54	69	77	86
Collector	47	67	76	87
Residential	53	64	73	82
Other	59	68	74	86
Overall	53	67	75	85

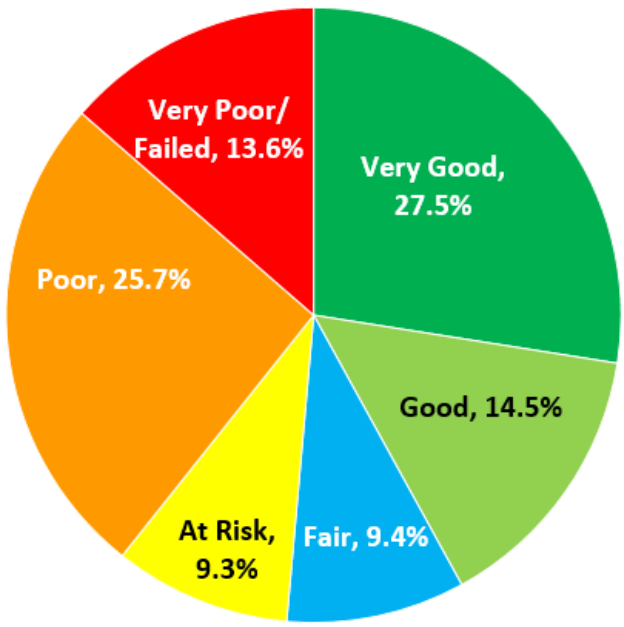
+\$400k/yr

+\$900k/yr

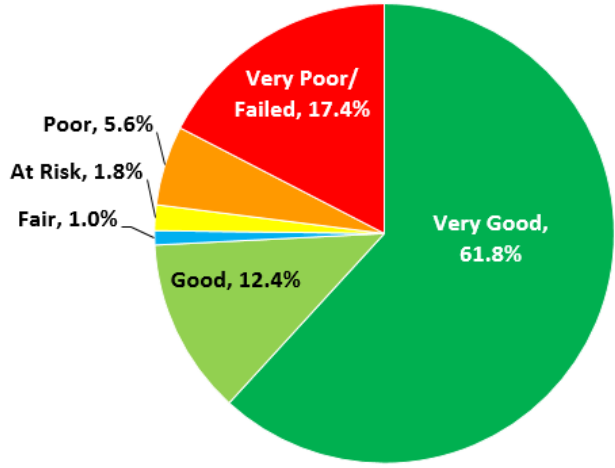


Implementation Condition Categories by Scenario

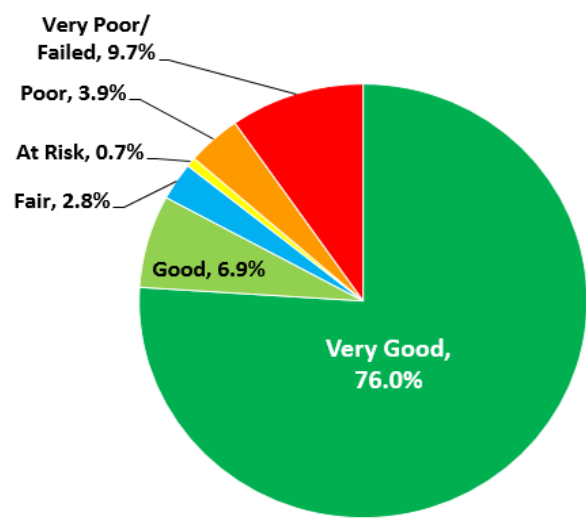
Current Condition (2018)



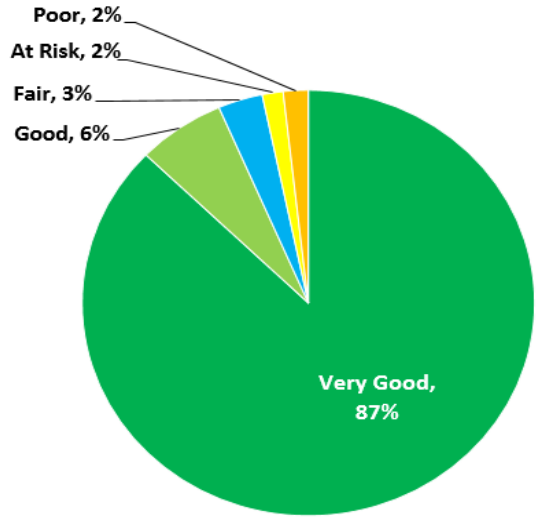
2028 Condition (S1: Existing Funding)



2028 Condition (S2: Improve PCI to 75)



2028 Condition (S3: Improve PCI to 85)



Proposed 2-Year Candidate Street List

Street	Begin	End	Length (ft)	Treatment
Arterial and Collector				
Brighton Ave*	Evelyn Ave	Key Route Blvd	1,120	Reconstruct
Buchanan Ave*	Cleveland Ave	Buchanan St Stop Light	720	Reconstruct
Cleveland Ave	Washington Ave	Buchanan St	698	Reconstruct
Key Route (NB)*	Solano Ave	North City Limit	2,780	Reconstruct
Marin Ave*	Masonic Ave	East City Limit	3,248	Mill and Overlay
Masonic Ave*	Portland Ave	Solano Ave	1,432	Overlay and Reconstruct
		Total	9,998	
Washington Ave*	San Pablo Ave	Pomona Ave	2,190	Reconstruct (in design)

*Street section is on an existing or proposed bike route



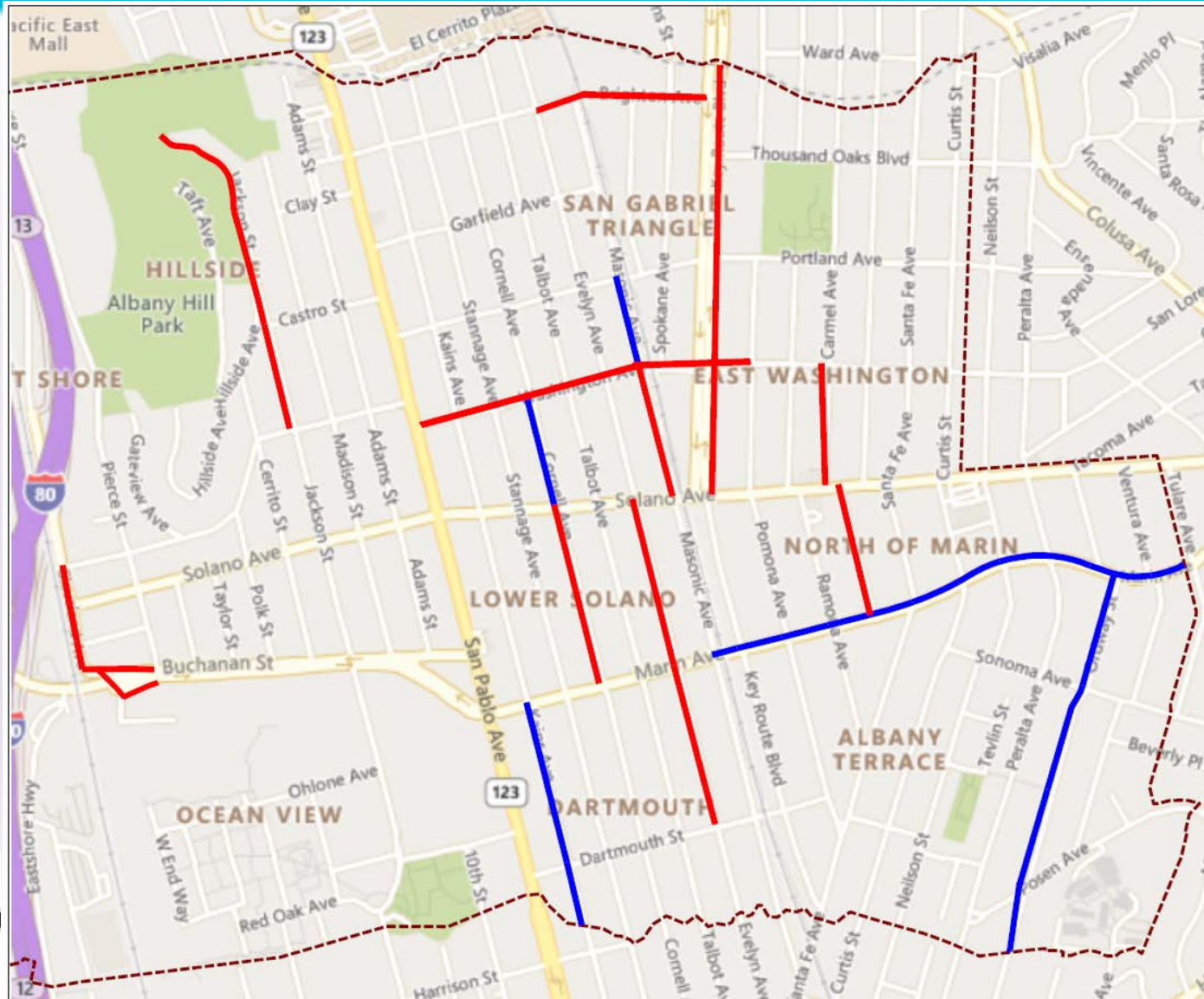
Proposed 2-Year Candidate Street List

Street	Begin	End	Length (ft)	Treatment
Residential and Other				
Carmel Ave	Washington Ave	Marin Ave	1,585	Reconstruct
Cornell Ave	Washington Ave	Marin Ave	1,841	Overlay and Reconstruct
Evelyn Ave	Solano Ave	Dartmouth St	2,084	Reconstruct
Jackson St	Washington Ave	N End	2,248	Reconstruct
Kains Ave*	Marin Ave	South City Limit	1,616	Mill and Overlay
Ordway St	Marin Ave	South City Limit	2,004	Mill and Overlay
		Total	11,378	

*Street section is on an existing or proposed bike route



Proposed 2-Year Candidate Street Map



Feature Legend

- MILL AND OVERLAY
- RECONSTRUCT



Paving CIP

2018-2022 CIP budget \$8.6 million over 5 years for Street Rehabilitation

- Includes 2-yr \$5.2M program

2019

- Slurry seal 20 streets
- P-TAP evaluation
- Update CIP criteria

2020

- Reconstruct Washington Ave
- Design year 1 of 2-yr program

2021

- Construct year 1 of 2-yr program, begin design of year 2

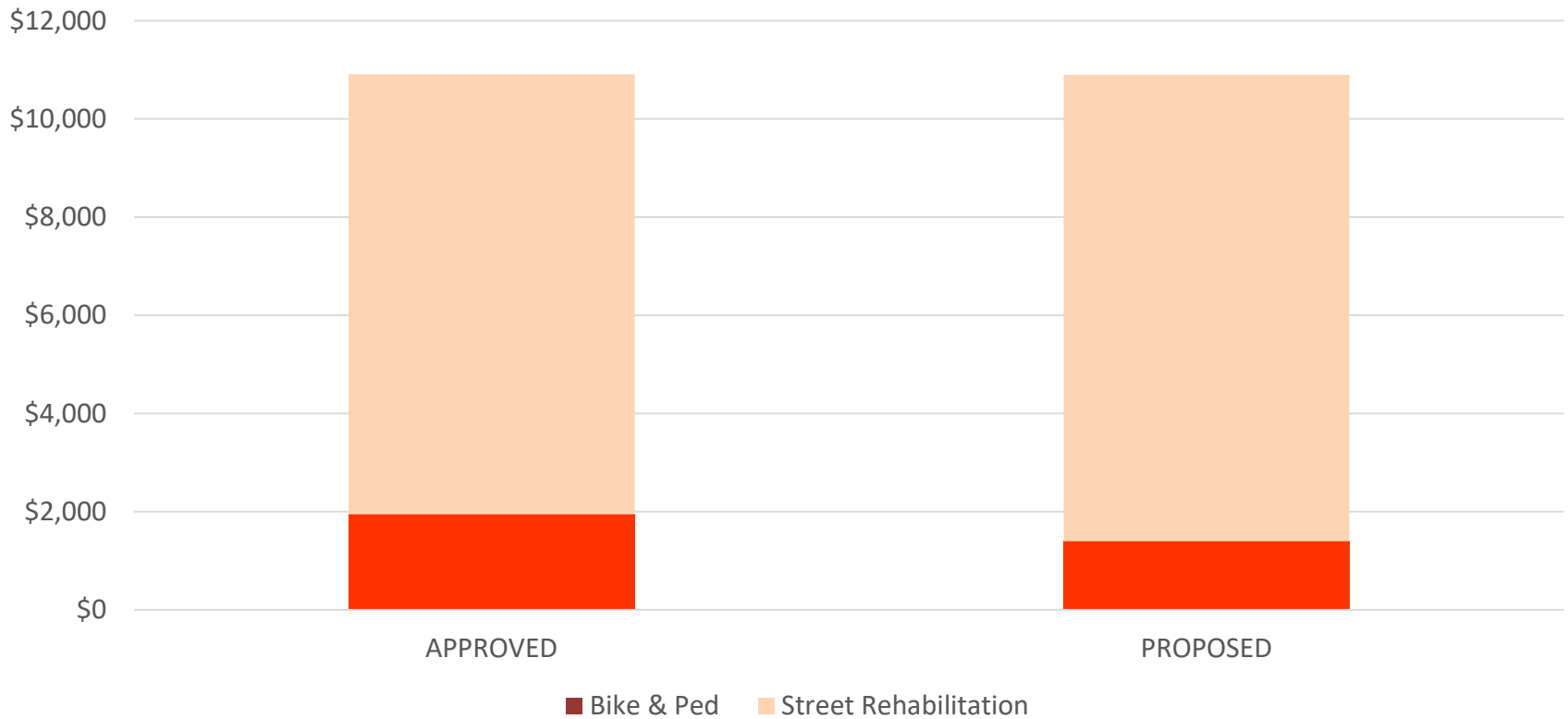
2022

- Construct year 2 of 2-yr program
- Develop next 2-yr street list



Implementation Funding For Local Streets and Roads

FIVE YEAR CIP BUDGET (\$1,000)



Meas B LSR, Veh. Reg Fees, Gas tax, Meas BB LSR, Meas F,
SB-1



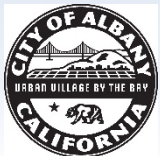
Performance Monitoring

P-TAP Update

- Field work completed summer 2019
- Final report completed early 2020
- Next application in 2021 for arterial/collector update

Annual report provided to staff

- PCI
- Street Maintenance
- Changes to Street Conditions



Summary

- ❖ Upgraded program treatment for 5.6 miles of bike routes on residential streets
- ❖ Current funding levels increase PCI from At Risk (53) to Fair condition (67) in 10 years
- ❖ Estimated 23% more spending will help increase PCI to 75.
- ❖ Next Steps:
 - City present Washington Ave design for bid authorization in April 2020. Construction expected June-August.
 - 2021 implement a \$1.9M CIP program, per staff recommendations.



Thank You



Jenny Van Dyke, PE

JVandyke@ncenet.com

and

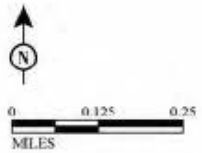
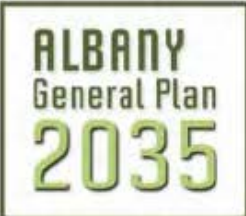
Robert Gonzales, PE

RGonzales@albanyca.org





FIGURE 4-1
Roadway Classifications

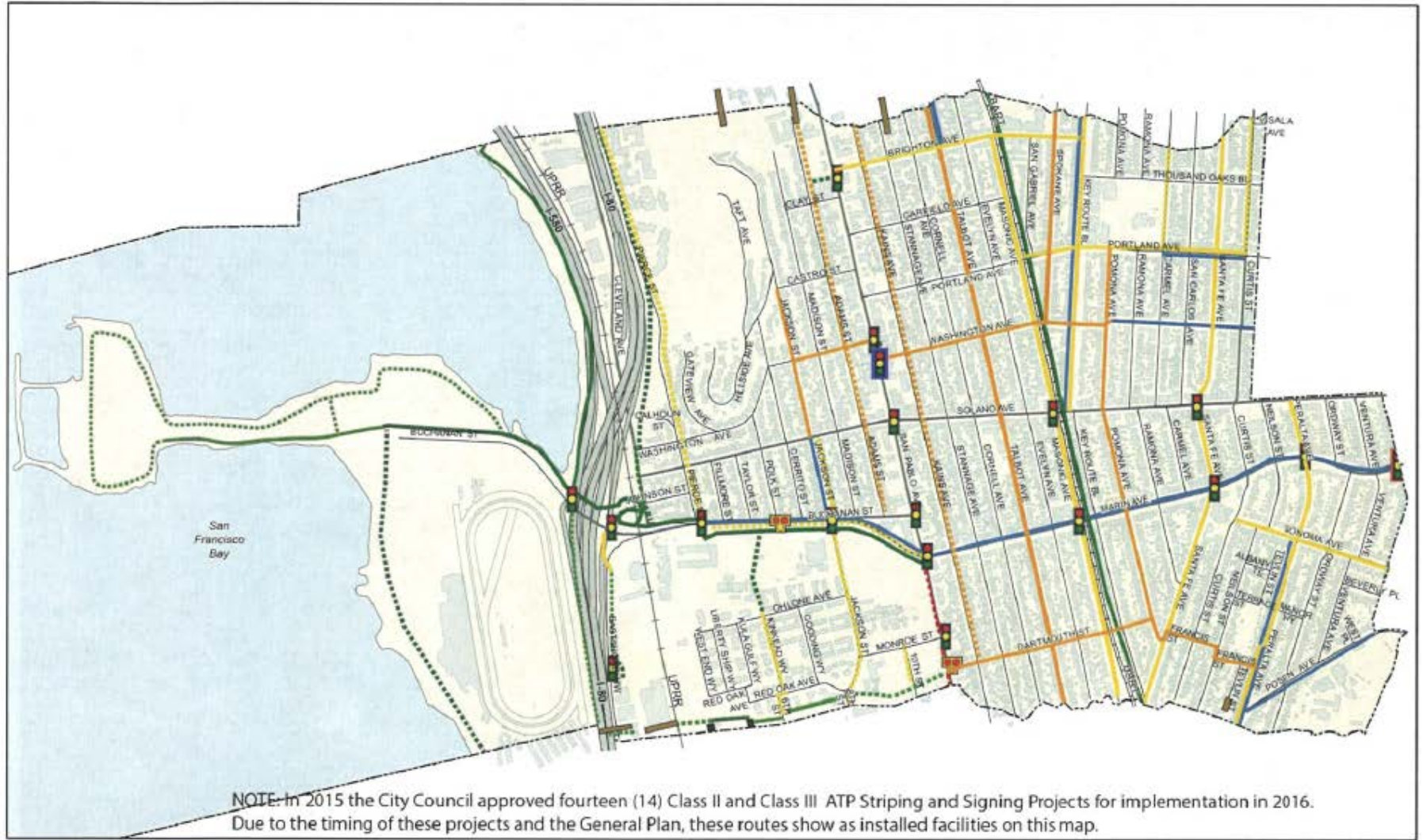


LEGEND

Albany City Limit	Major Arterial
Freeway	Minor Arterial
Local Street	Collector
Railroad Tracks	
BART Tracks	

SOURCE: Fehr & Peers, 2015.

I:\ABY1391 Albany GP\figures\General Plan\Fig_4-1_Rdwy Class.ai (11/5/15)



NOTE: In 2015 the City Council approved fourteen (14) Class II and Class III ATP Striping and Signing Projects for implementation in 2016. Due to the timing of these projects and the General Plan, these routes show as installed facilities on this map.

LEGEND

- | | | | | | |
|------------------|--------------------|---------------------|---------------------------|-----------------------|----------------------|
| Existing: | — Class I Path | — Class II Lane | — Class III Boulevard | — Class III Route | — Class IV Route |
| Proposed: | Class I Path | Class II Lane | Class III Boulevard | Class III Route | Class IV Route |

- | | | |
|-------------------|-----------------|------------------------------------|
| Albany City Limit | Existing Signal | Proposed Pedestrian Hybrid Beacon |
| Freeway | Proposed Signal | Existing Pedestrian/Bicycle Bridge |
| | | Proposed Pedestrian/Bicycle Bridge |

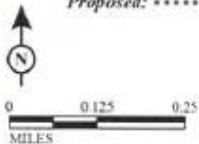


FIGURE 4-2
Bicycle Network

ALBANY
General Plan
2035

SOURCE: Fehr & Peers, 2015.

I:\APV\1301 Albany GP\figures\General Plan\Fig 4-7 Bicycle Network at 3/3/16

