City of Warrenton

PAVEMENT MANAGEMENT CONDITION REPORT

Joel Conder
Capitol Asset & Pavement Services

Prepared for City of Warrenton – January 2018

What is a Pavement Management System?

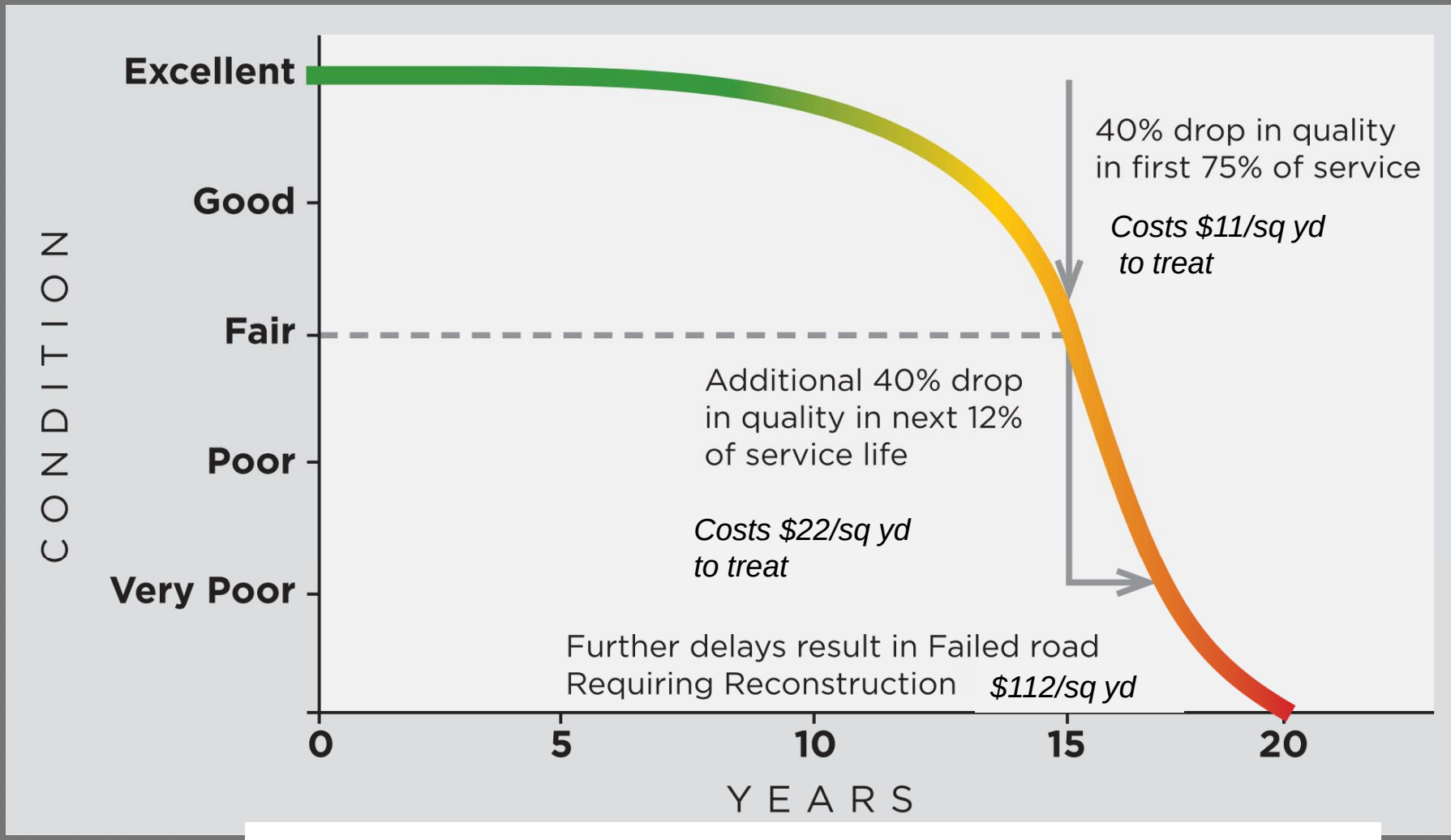
- Computerized, Inventory, Analysis, Budgeting Tool, etc..
- Shows effects of maintenance decisions, before & after
- PCI, Pavement Condition Index from 0 – 100
- Preferred Choice of Software on West Coast – MTC Streetsaver, current users in Washington & Oregon at 100+ agencies

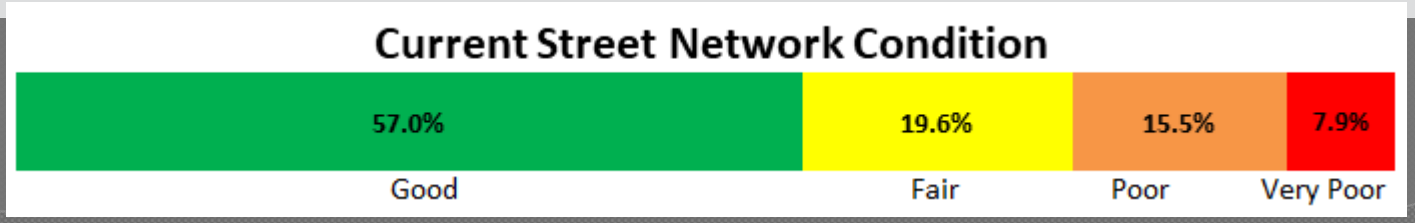
City of Warrenton Current PCI = 69

- 25.9 Centerline Miles of Paved Streets
- 2.2 miles of Gravel streets (maintenance needs not included in report)

Condition Category	PCI Range	Percent of Network
Good	70 to 100	57.0%
Fair	50 to 70	19.6%
Poor	25 to 50	15.5%
Very Poor	0 to 25	7.9%

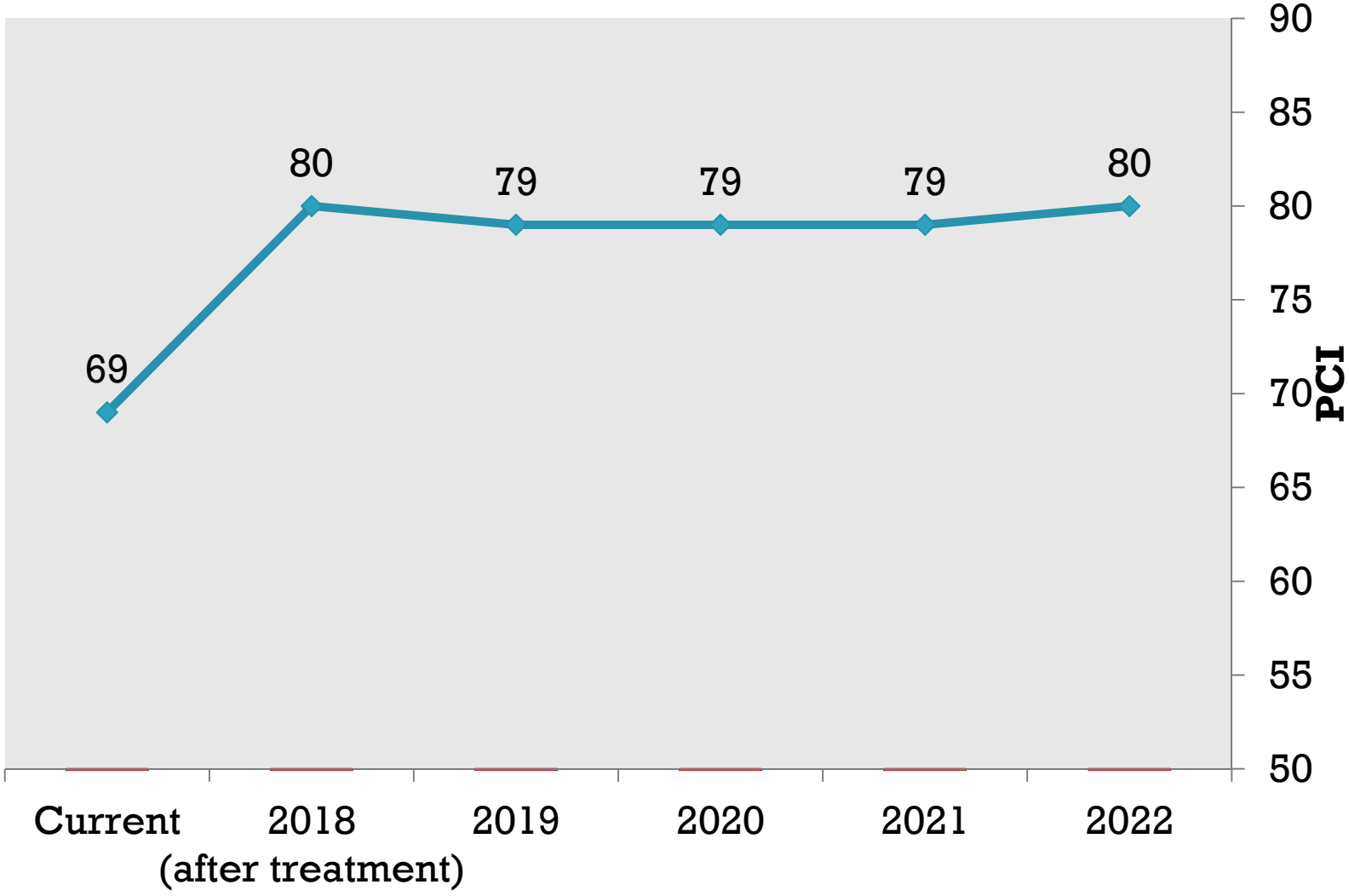
Pavement Deterioration Curve





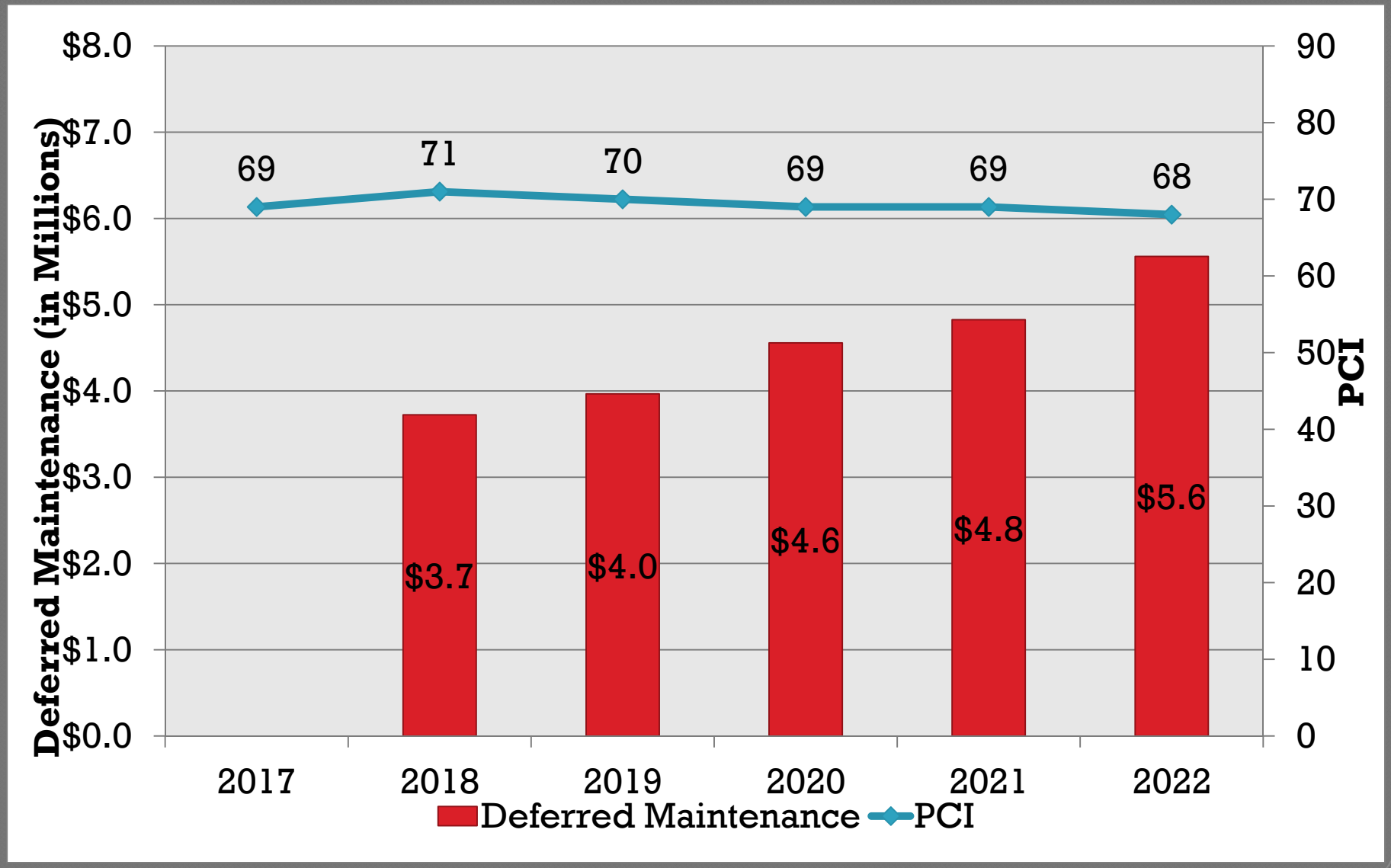
Scenario 1– Unconstrained Needs

($7.3 million over 5 years – PCI Increases 11 points)



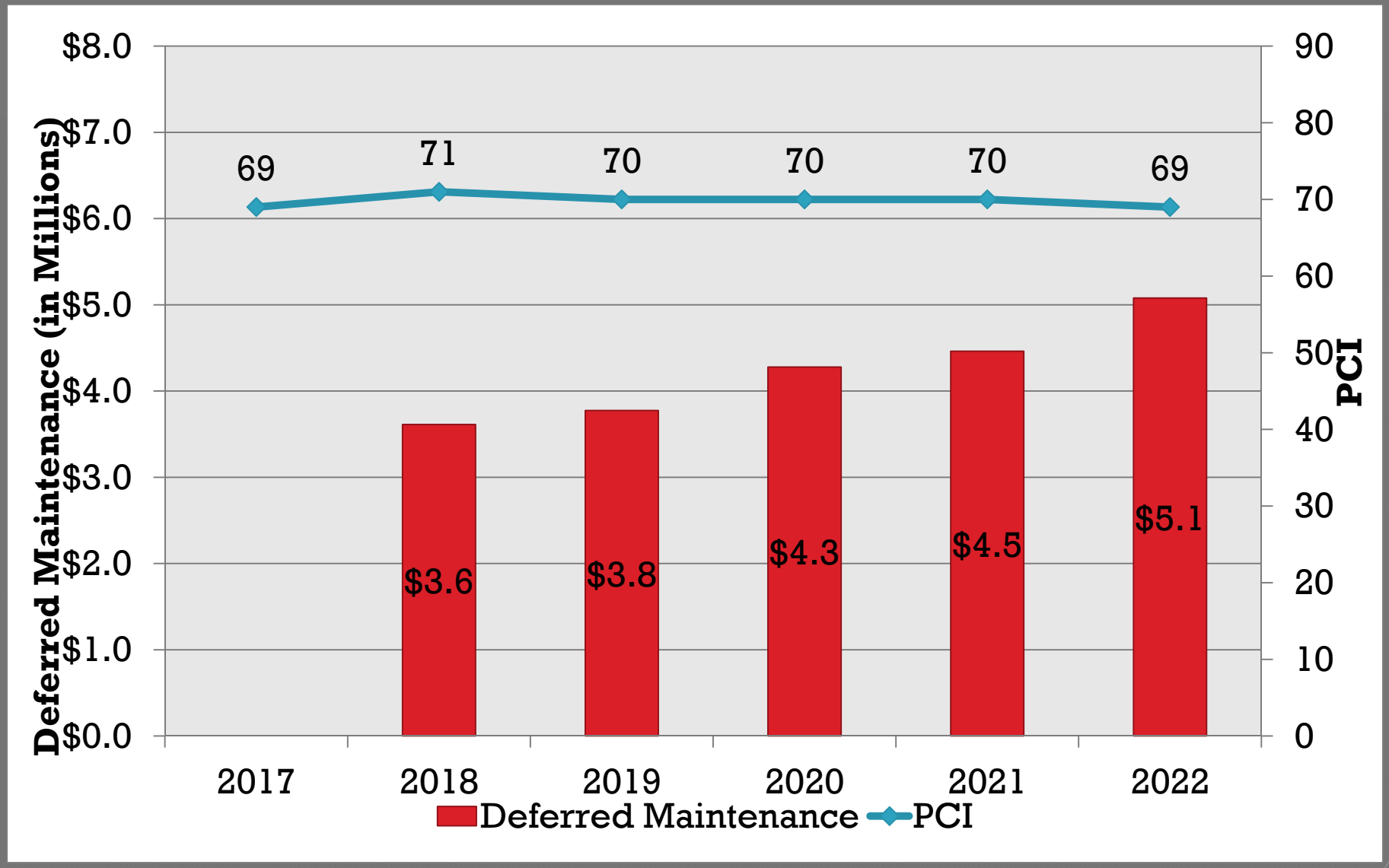
Scenario 2– Current Investment Level

($1.5 million over 5 years - PCI decreases 1 point)



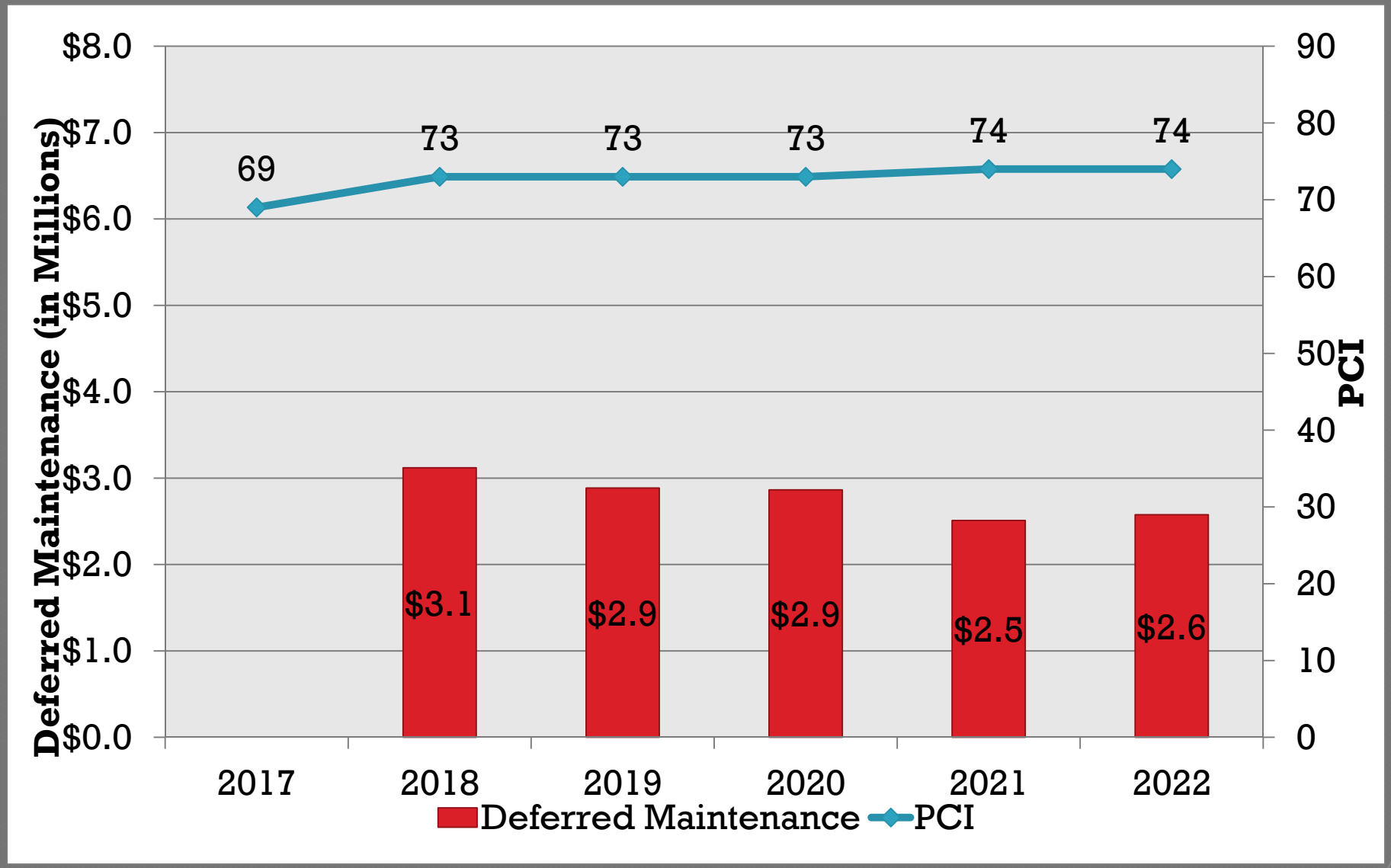
Scenario 3 – Maintain Current PCI

($1.9 million over 5 years– PCI maintains at 69)



Scenario 4 – Increase PCI by 5 points

($4.4M over 5 years – PCI increases 5 points)



City of Warrenton

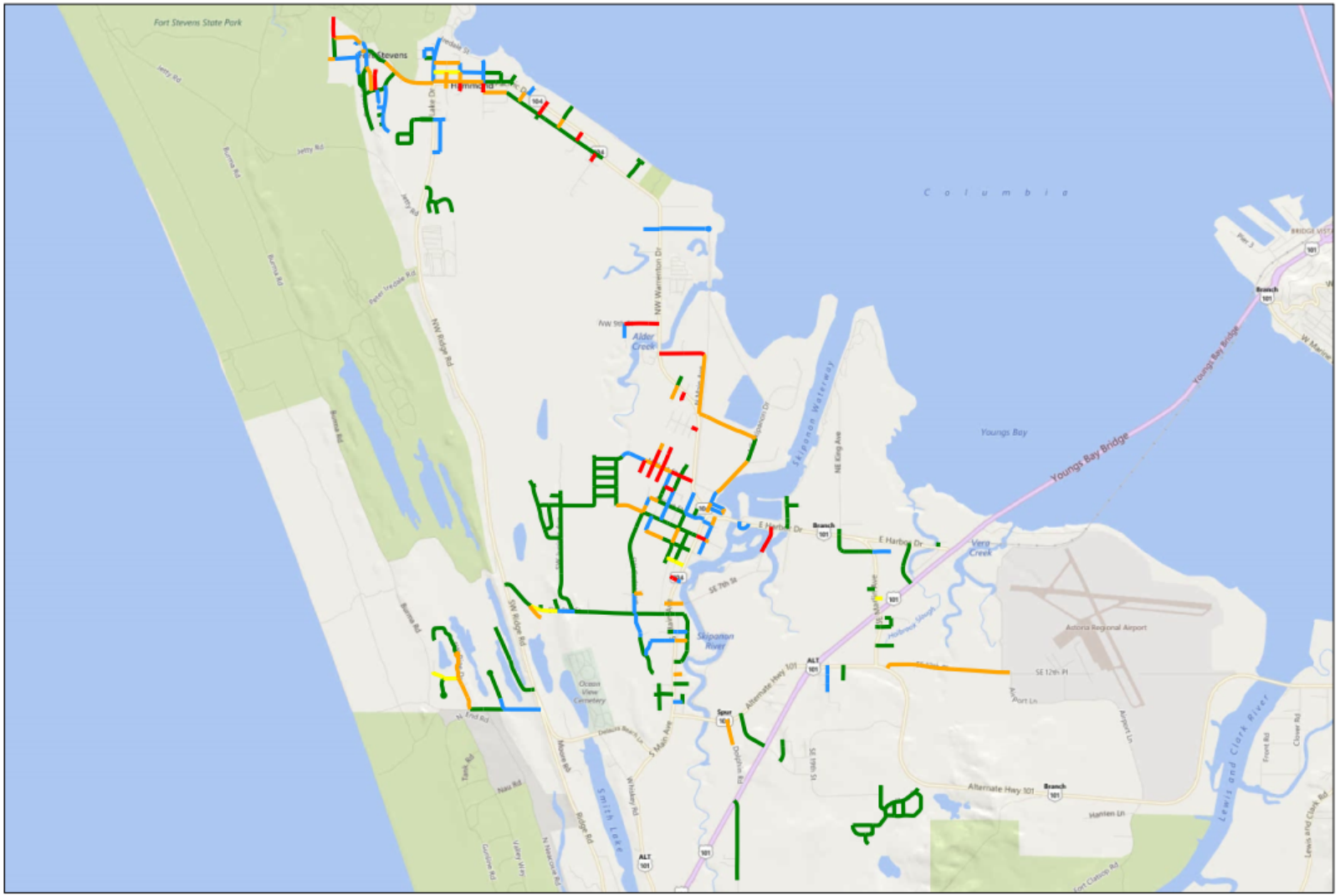
Current PCI Condition

Printed: 1/8/2018

Feature Legend

- Category I - Very Good
- Category II - Good (Non-Load)
- Category III - Good (Load)
- Category IV - Poor
- Category V - Very Poor

0 0.5 1 Miles



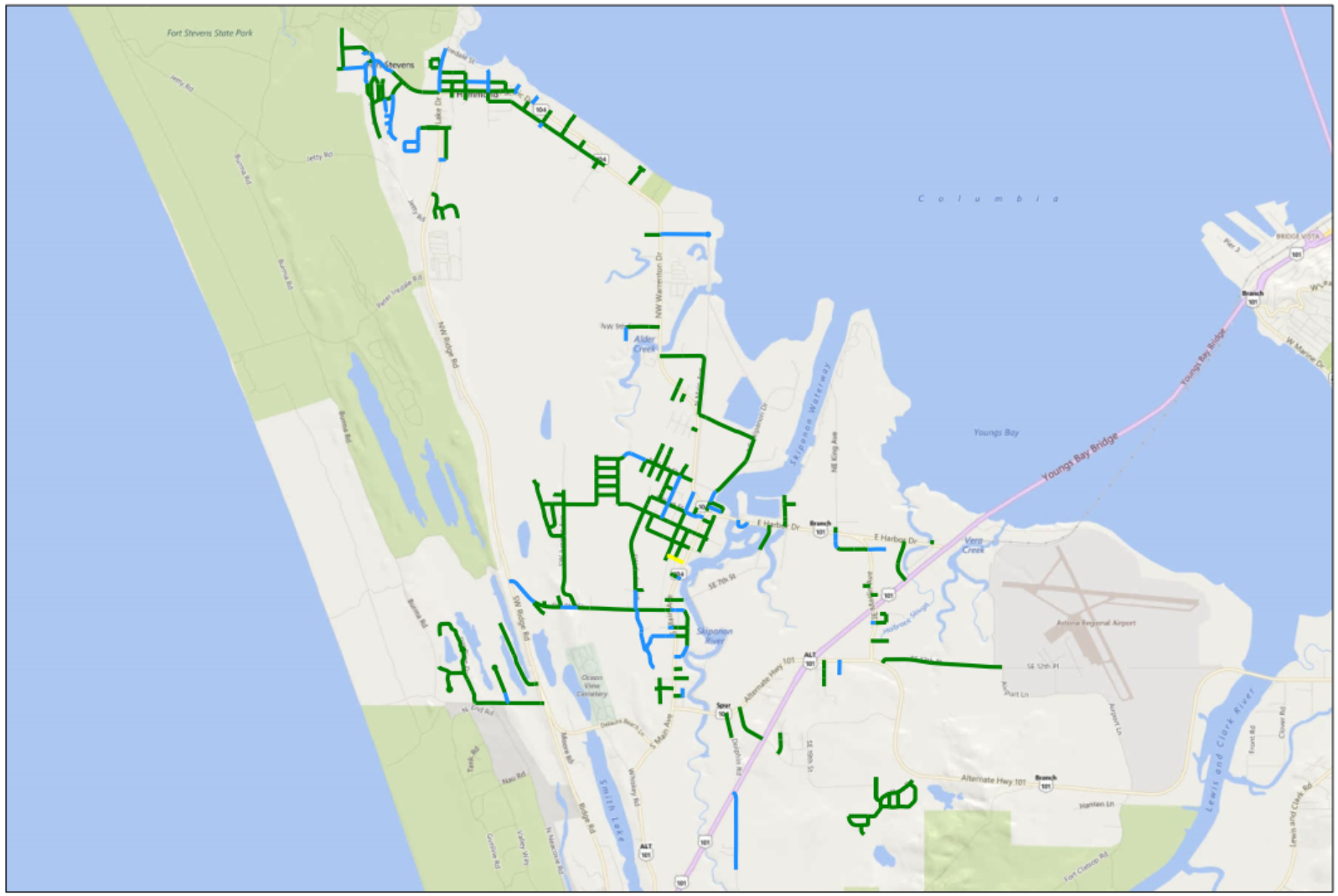
City of Warrenton

Scenario PCI Condition

(1) Unconstrained Needs - 2022 Project Period - Printed: 1/8/2018

Feature Legend

- Category I - Very Good
- Category II - Good (Non-Load)
- Category III - Good (Load)



0 0.5 1 Miles

City of Warrenton

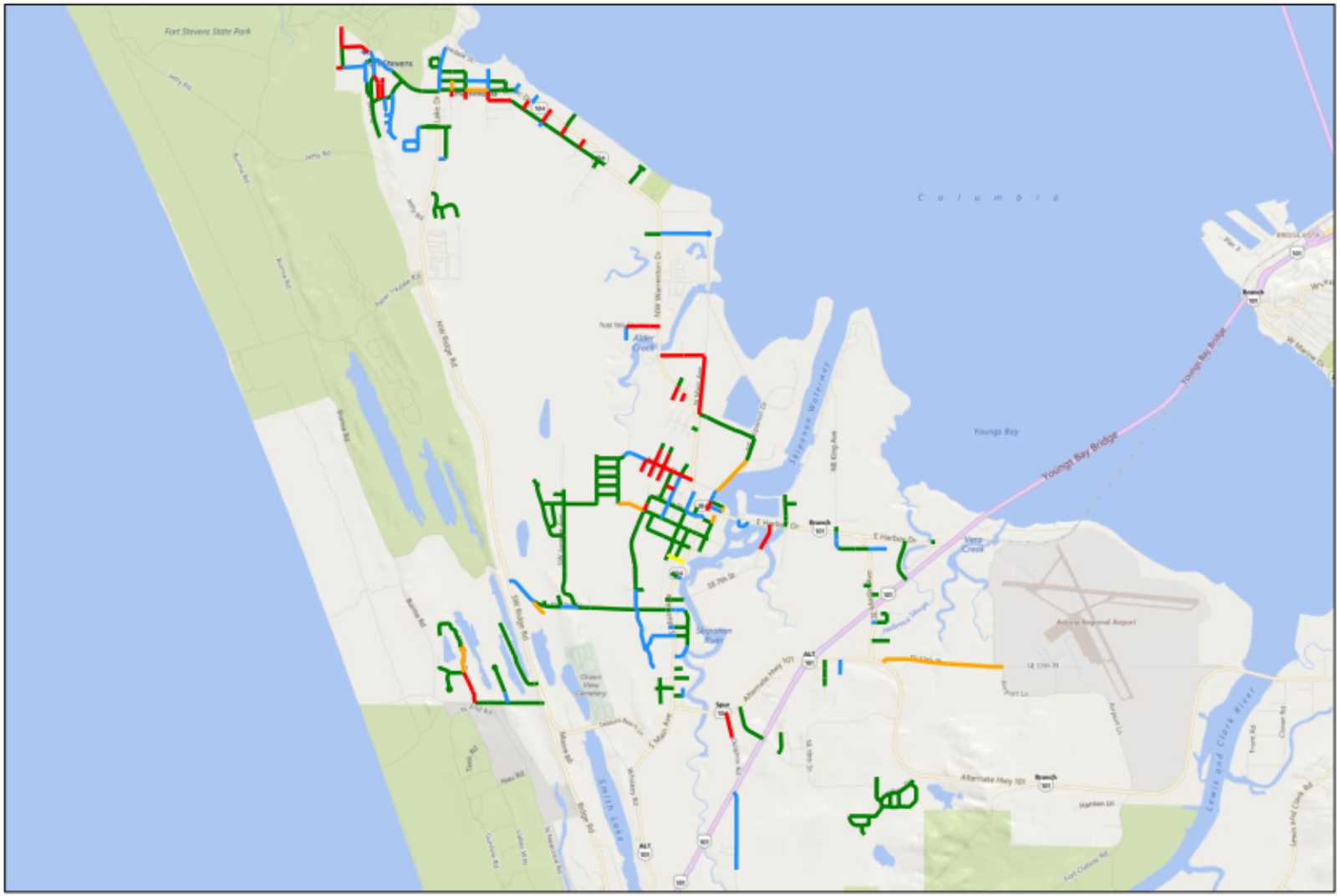
Scenario PCI Condition

(2) Current Funding ($300k/Yr) - 2022 Project Period - Printed: 1/8/2018

Feature Legend

- Category I - Very Good
- Category II - Good (Non-Load)
- Category III - Good (Load)
- Category IV - Poor
- Category V - Very Poor

0 0.5 1 Miles



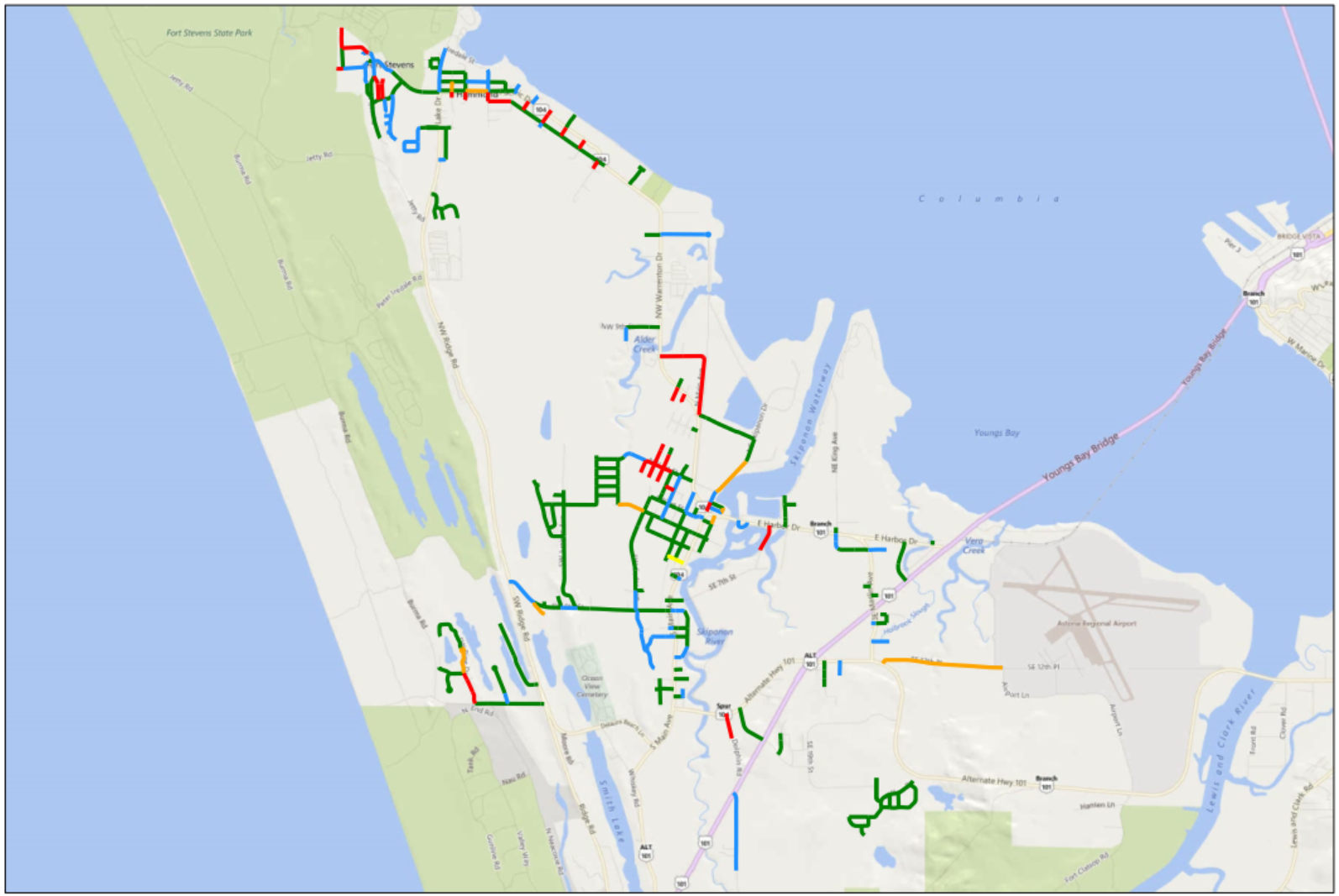
City of Warrenton

Scenario PCI Condition

(3) Maintain Current PCI - 2022 Project Period - Printed: 1/8/2018

Feature Legend

- Category I - Very Good
- Category II - Good (Non-Load)
- Category III - Good (Load)
- Category IV - Poor
- Category V - Very Poor



City of Warrenton

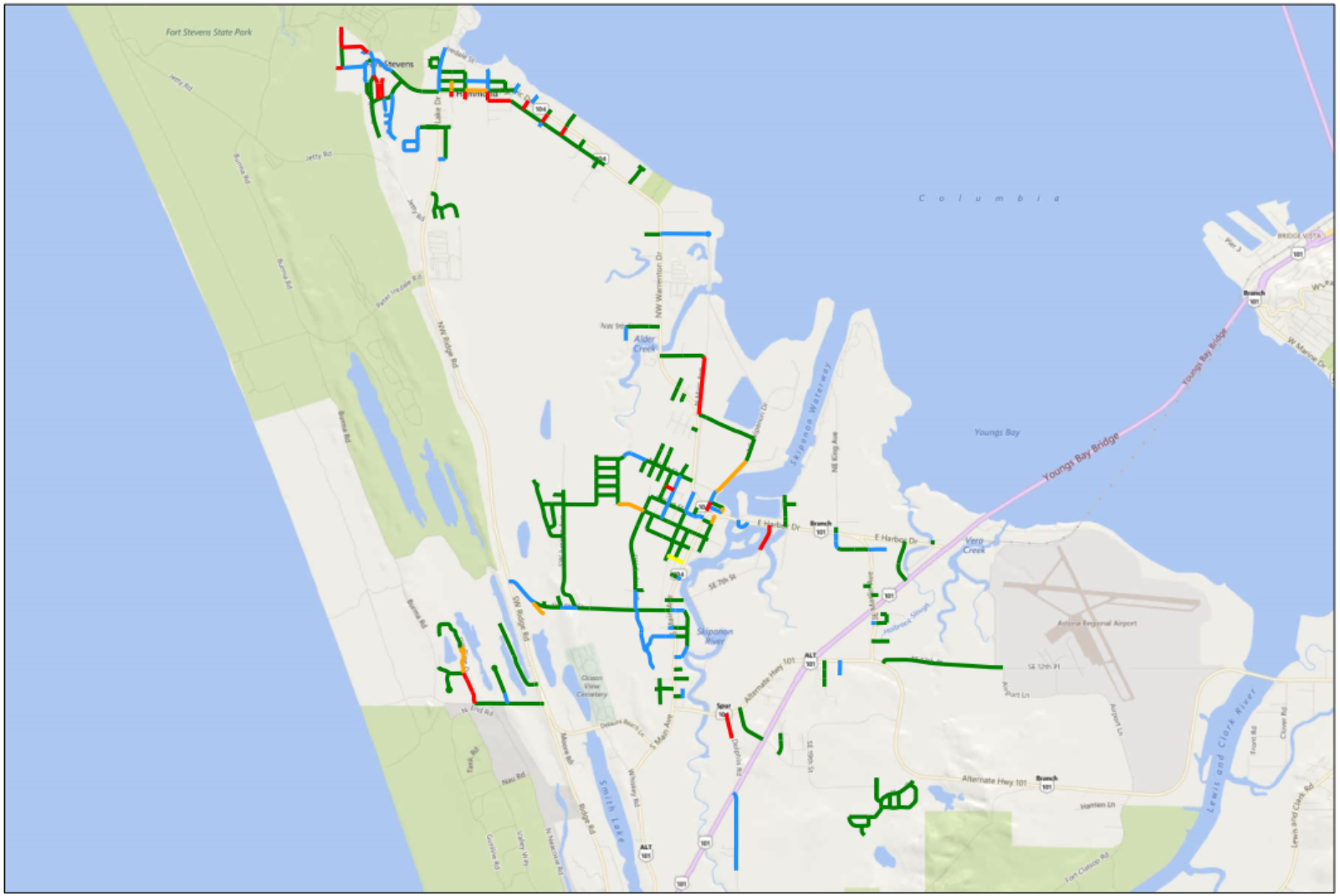
Scenario PCI Condition

(4) Increase PCI 5 points - 2022 Project Period - Printed: 1/8/2018

Feature Legend

- Category I - Very Good
- Category II - Good (Non-Load)
- Category III - Good (Load)
- Category IV - Poor
- Category V - Very Poor

0 0.5 1 Miles



Budget Scenarios

Average yearly budget	$1.46 million Unconstrained	$300,000 Current Funding	$385,000 Maintain Current PCI	$880,000 Increase PCI 5 points
Total budget for 5 years	$7.32 million	$1.5 million	$1.9 million	$4.4 million
Current PCI	69	69	69	69
Current % in 'Good' condition	57.0%	57.0%	57.0%	57.0%
PCI after 5 years (change)	80 (+11)	68 (-1)	69 (0)	74 (+5)
Backlog after 5 years	$0	$5.6 million	$5.1 million	$2.6 million
% 'Good' in 5 years	81.0%	65.2%	65.8%	72.3%
% 'Fair' in 5 years	19.0%	19.0%	19.3%	19.0%
% 'Poor' in 5 years	0.0%	4.7%	4.7%	3.3%
% 'Very Poor' in 5 years	0.0%	11.1%	10.2%	5.5%

QUESTIONS?

(503) 689-1330

WWW.CAPITOLASSET.NET

Joel Conder

Capitol Asset & Pavement Services