

Why is everything crumbling?
A Washington Case Study





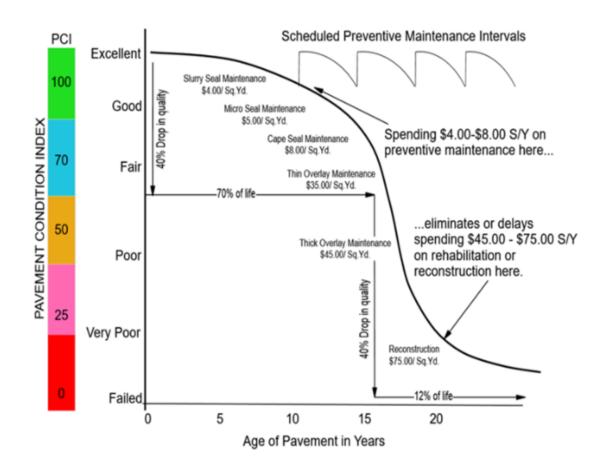
### Washington Roads Case

- Time Frame
  - Current Maintenance Deficit: The current maintenance deficit is based on the current road inventory, age of the road where available, and condition of the road.

# Methodology

#### **Guidance for Methods**

- Follow standard degradation curve
- Use maintenance that keeps road on the maintenance curve
- Preserve design life
- Use typical maintenance costs

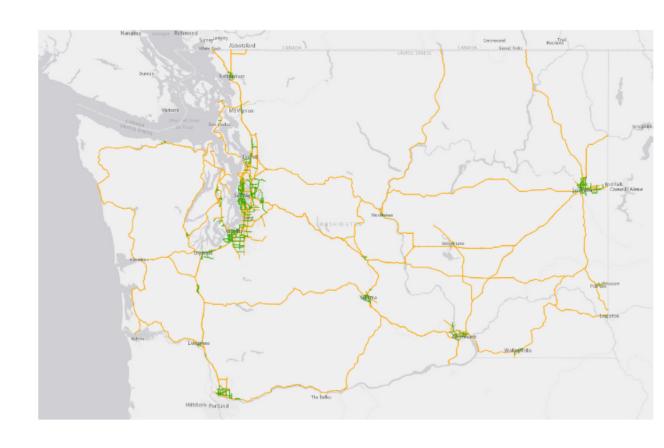


## Washington Summary

- In this Study
  - 25,137 State Lane Miles
  - 49,017 County Lane Miles
  - 4,283 City Lane Miles
    - Seattle, Tacoma, Renton, Spokane Valley
- Total Current Deferred Maintenance: \$5.1 Billion
- Est. Annual Maintenance Deficit: \$57 Million (2022)

### State Hwy Deferred Maintenance

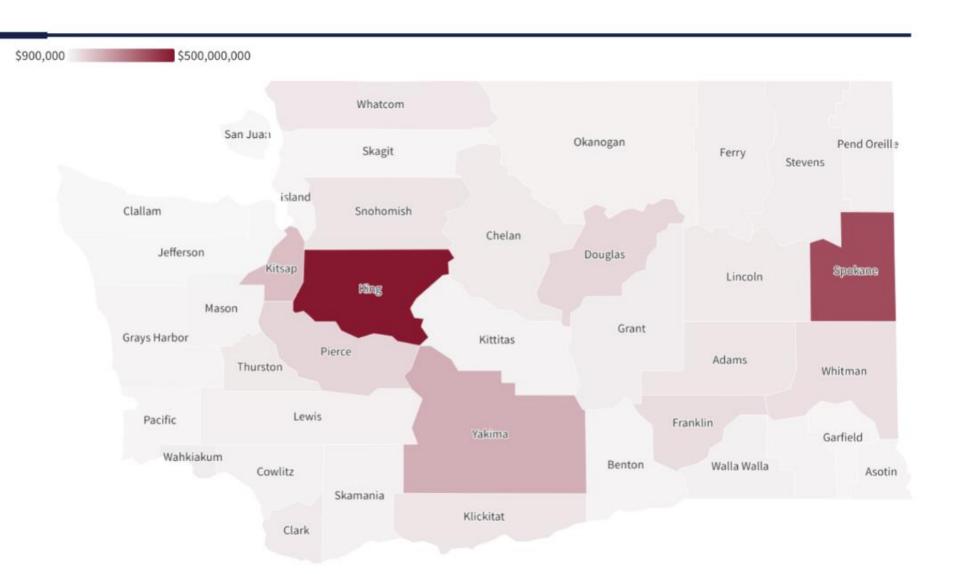
- 25,137 Lane Miles Studied
- Required Maintenance: \$191 million
- Scheduled Maintenance:
   \$225 million
- Deferred Maintenance: \$2.4
   Billion



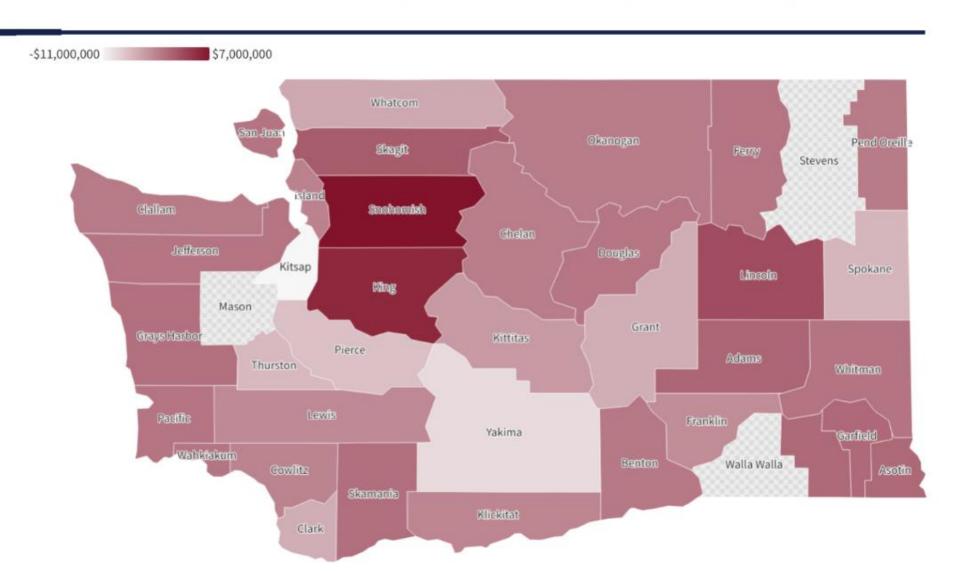
## County Deferred Maintenance

Total Lane- Miles	Total Deferred Maintenance	Total "Poor" Conditi on Lane- Miles	Deferred Cost for "Poor" Condition	Total "Fair" Condition Lane- Miles	Deferred Cost for "Fair" Condition	Total "Good" Condition Lane-Miles	Deferred Cost for "Good" Condition	Total "Very Good" Lane- Miles
49,017	\$1.99 Billion	5,868	\$1.44 Billion	10,444	\$436 Million	14,026	\$114 Million	18,679

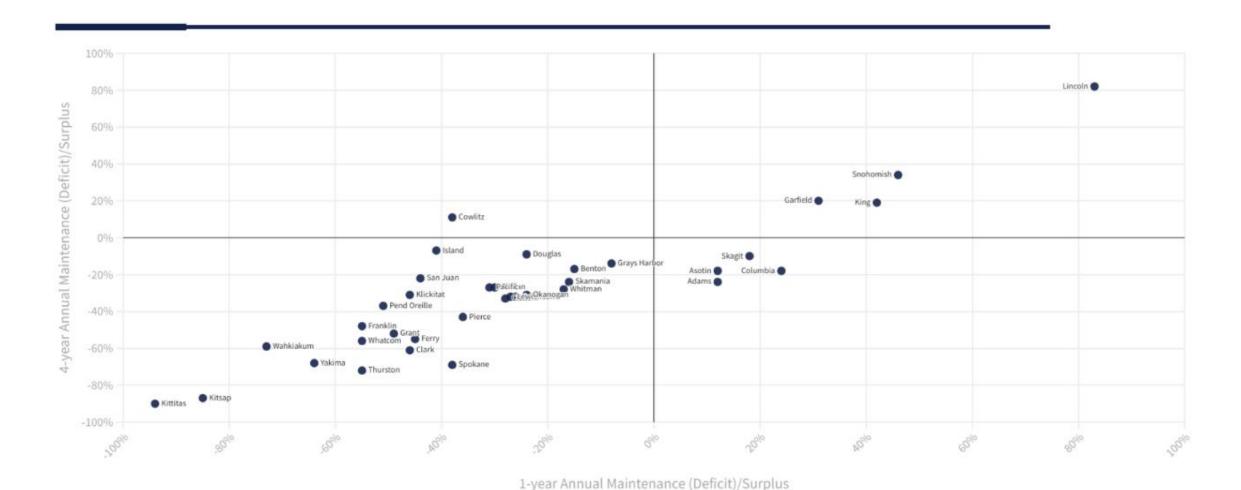
### **Total Deferred Maintenance**



# Maintenance (Deficit)/Surplus



#### Percent 1 Year vs 4 Year



## Infrastructure Warning Areas

Bridges
Water Systems
Power Systems
Public Buildings

## Summary

- Deferred maintenance is NOT linear
- Staying even does not catch up
  - The deficit will keep growing

# Thank you

Questions?

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