Pavement Condition and Preservation of County Roads

Washington State Transportation Commission
March 18, 2015

County Road Administration Board

Walt Olsen, PE

Deputy Director, CRAB

Pavement Condition and Preservation of County Roads

- 39,207.46 Total System Miles
  - 25,650.26 Miles Paved (65.4%)
  - 13,557.20 Miles Unpaved
- 14,321.70 Total Arterial System (36.5%)
  - 12,765.28 Miles Arterial Paved (89.1%)
  - 1,556.42 Miles Arterial Unpaved

Pavement Condition and Preservation of County Roads

Funding Sources for Arterial Preservation

- County Arterial Preservation Program (CAPP)
  - 1.96 % (0.734 ¢) MVFT
  - 1.1 M $ monthly
  - 13.3 M $ biennially
- Transportation Partnership Account (TPA)
  - 1.5 M $ annually from TPA
  - Distributed annually in July each year
- Highway Safety Account (HSA)
  - 10.0 M $ biennially from HSA
  - Distributed annually in July each year

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Year	Sealcoat Centerline Miles	Overlay Centerline Miles	Total Centerline Miles Resurfaced	Total Eligible Expenses	Cost Per Mile
2007	962	111	1074	$46,092,034	$42,934
2008	966	80	1046	$47,524,701	$45,421
2009	845	70	915	$47,991,612	$52,474
2010	815	72	886	$42,008,672	$47,401
2011	1022	90	1112	$55,589,823	$49,978
2012	1007	53	1060	$57,316,958	$54,078
2013	1099	126	1225	$67,208,200	$54,850

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Year	Poor Paved Arterial Centerline Miles	% Poor Paved Arterial Miles	Very Poor Paved Arterial Centerline Miles	% Very Poor Paved Arterial Miles	Very Poor & Poor Centerline Miles	% Very Poor & Poor Miles
2007	485	4.5%	276	2.5%	761	7.0%
2008	355	3.0%	208	1.8%	563	4.8%
2009	415	3.8%	249	2.3%	664	6.1%
2010	504	4.3%	227	2.0%	731	6.3%
2011	378	3.3%	162	1.4%	540	4.7%
2012	523	4.1%	290	2.3%	813	6.4%
2013	487	3.8%	270	2.1%	757	5.9%

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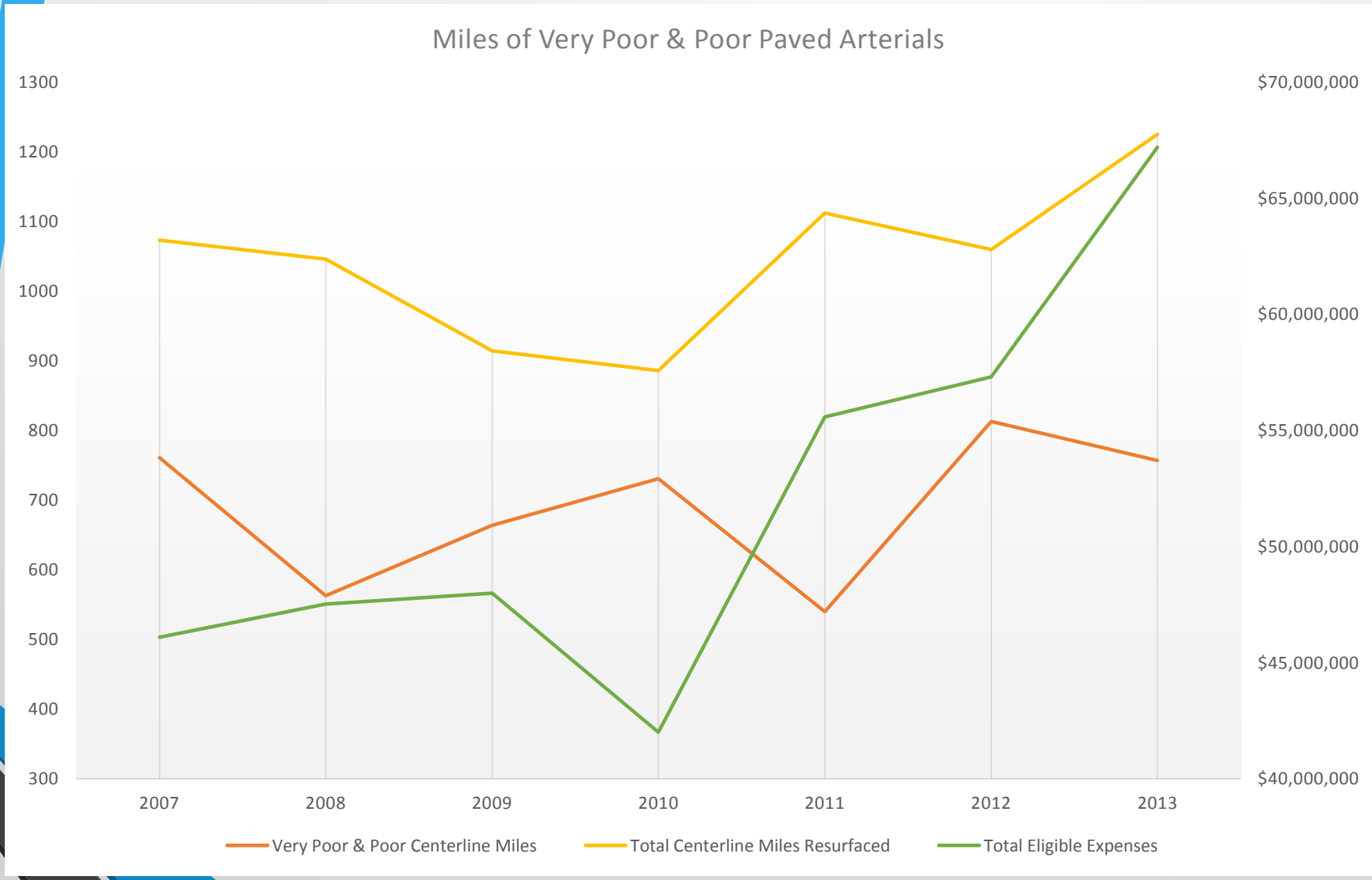
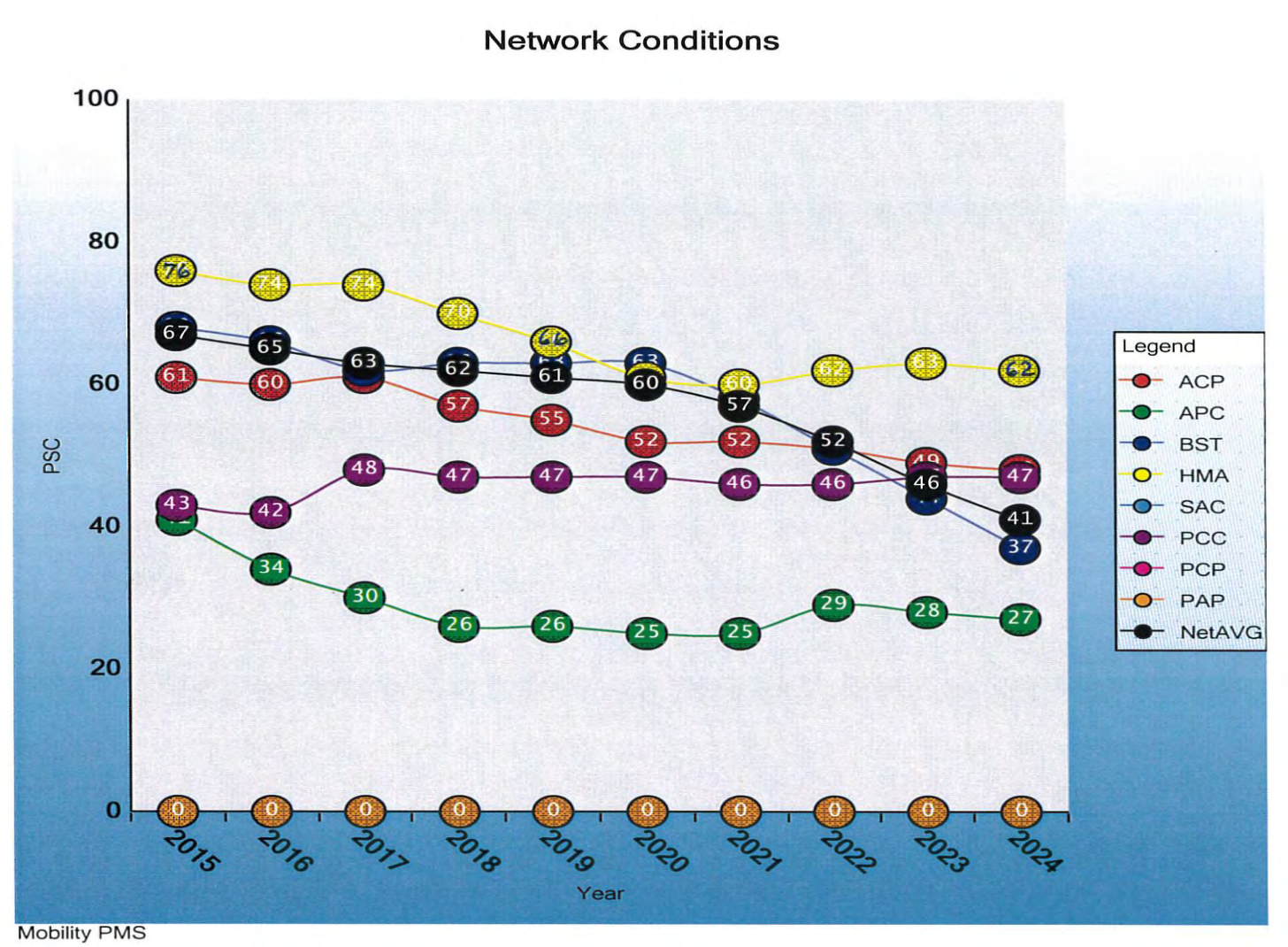


Pavement Condition and Preservation of County Roads

10 Year Statewide PMS Forecast Paved Arterial and Collectors Only $58,500,00 per Year - ADT - 5,000			
Year	Network Avg. PSC	% Fair and Better	% of System Rehab.
2015	67	85%	7.4%
2016	65	85%	9.1%
2017	63	85%	7.9%
2018	62	82%	11.4%
2019	61	72%	9.6%
2020	60	67%	9.8%
2021	57	67%	8.5%
2022	52	62%	10.0%
2023	46	55%	10.2%
2024	41	48%	8.7%

Pavement Condition and Preservation of County Roads



Pavement Condition and Preservation of County Roads

10 Year Statewide PMS Forecast Paved Arterial and Collectors Only $68,500,00 per Year - ADT - 5,000			
Year	Network Avg. PSC	% Fair and Better	% of System Rehab.
2015	68	85	9.3%
2016	67	85	11.1%
2017	65	85	9.8%
2018	64	85	11.1%
2019	65	80	12.9%
2020	66	77	11.8%
2021	63	78	11.8%
2022	57	71	10.5%
2023	51	62	12.0%
2024	46	53	10.6%

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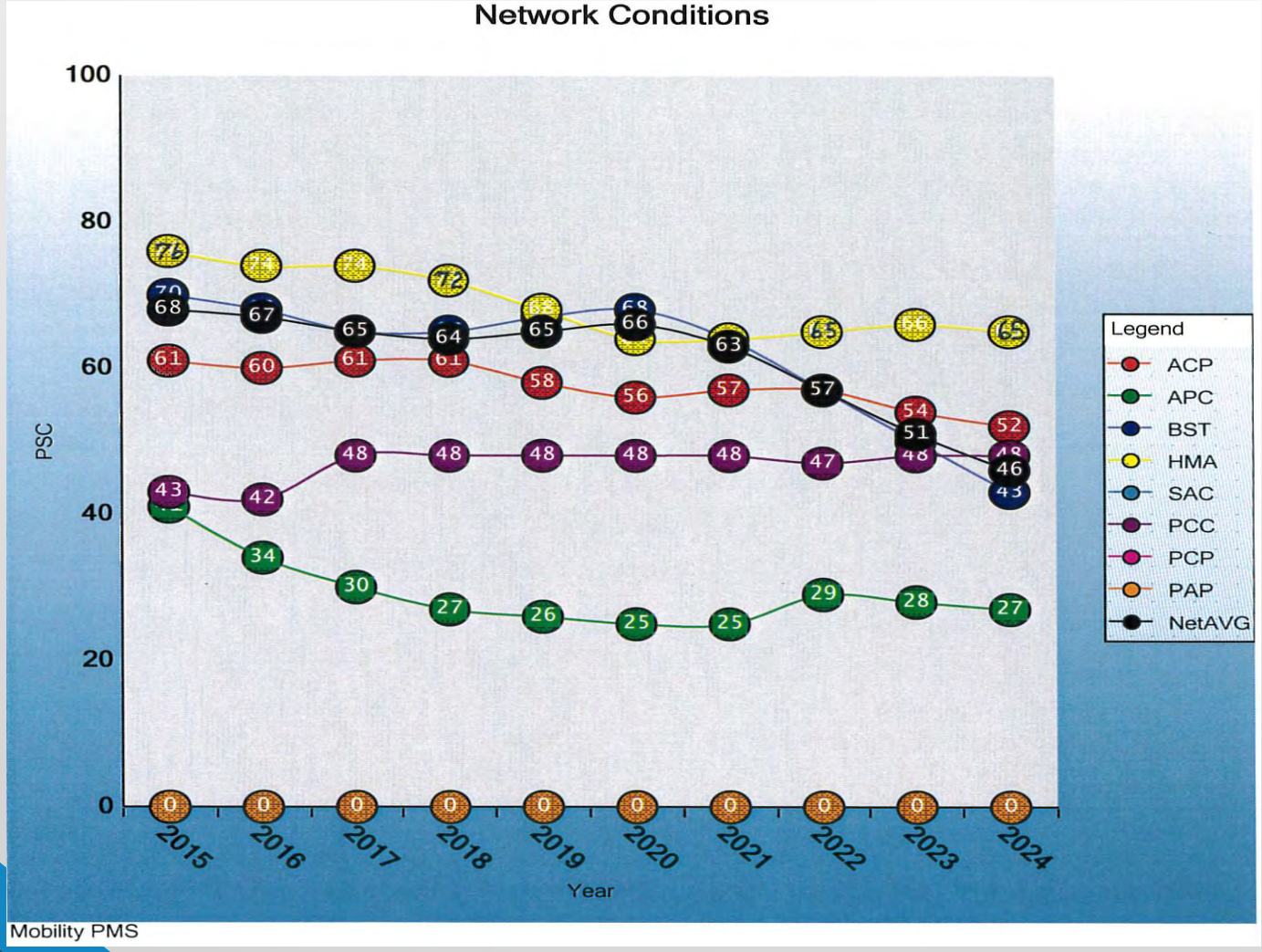

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10 Year Statewide PMS Forecast Paved Arterial and Collectors Only $85,000,00 per Year - ADT - 5,000			
Year	Network Avg. PSC	% Fair and Better	% of System Rehab.
2015	69	85	11.3%
2016	68	85	12.4%
2017	69	85	14.8%
2018	69	85	15.2%
2019	70	85	14.1%
2020	70	85	13.0%
2021	64	85	15.2%
2022	59	77	15.5%
2023	53	67	13.5%
2024	47	52	14.2%

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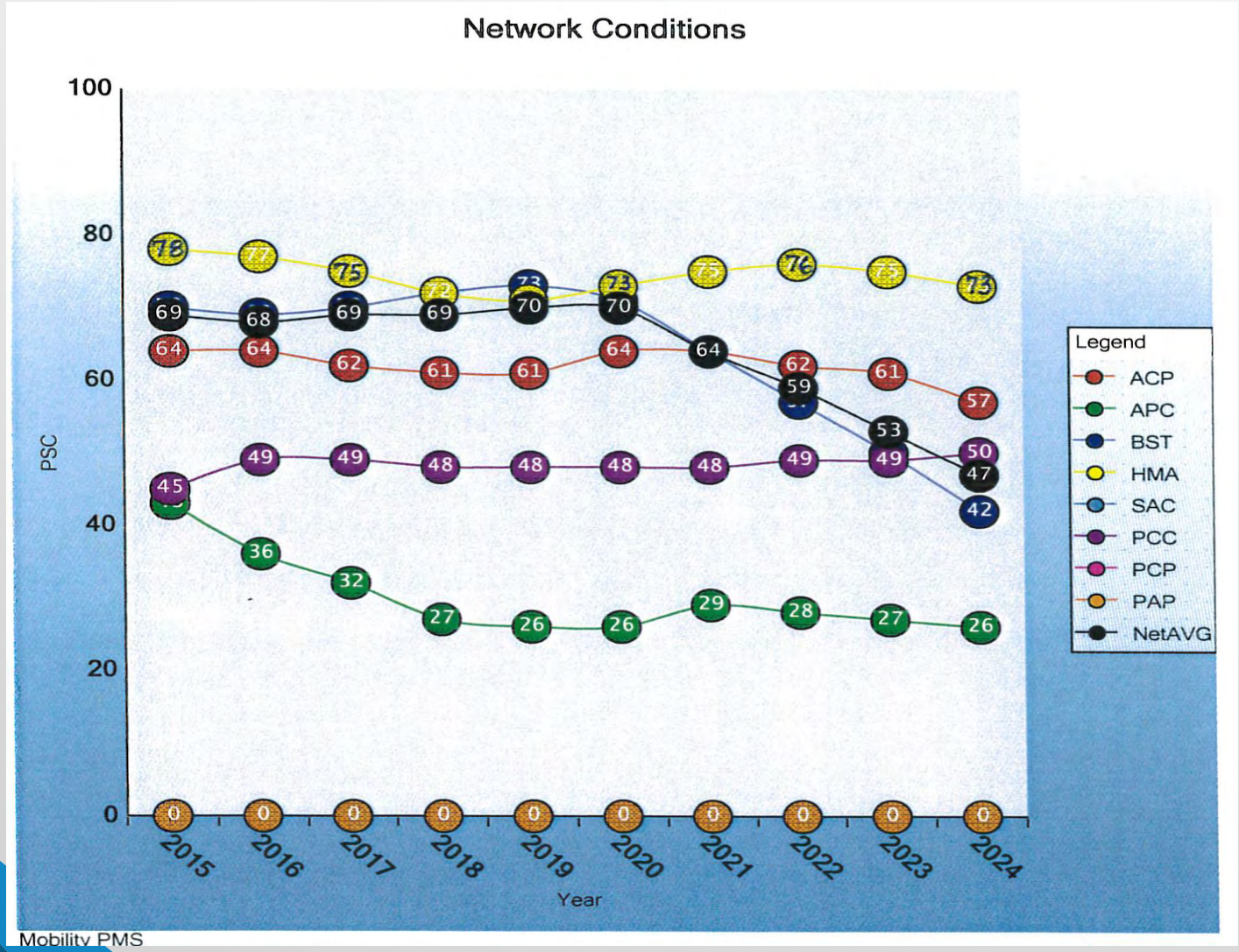

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- **Conclusions:**
  - Overall, “fair & better” pavement conditions will remain at or near acceptable levels (>90%) for the short term, but will continue to deteriorate as a result of use and environmental conditions.
  - As some pavements are preserved or reconstructed, others will fall into the “poor” & “very poor” condition, but at an increasing rate without added resources.
  - Other existing sources of funding (MVFT, Property Taxes, etc.) will continue to be needed for other required expenses.
  - New funding toward maintenance and preservation of the existing system must be considered first priority.

    Without new resources for maintenance and preservation, the existing system will consume all available funding for new or reconstruction projects.

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- **Recommendations:**
  - Continue to fund CAPP at current levels from current sources (MVFT, TPA & HSA).
  - Dedicate new resources to maintenance and preservation of existing system.
  - Identify backlog of maintenance and preservation on county road using MVFT study money.
  - Ban studded tires statewide on all vehicles.

And Carthage must be destroyed!

COUNTY TRANSPORTATION PERFORMANCE METRICS

Transportation Performance Metrics

A Road Map for Setting Priorities

Counties are on the front lines of Washington State's Transportation challenges bearing responsibility for nearly 50 percent of the state's roads and bridges. The county road infrastructure is aging, funds are decreasing, and reliance on county transportation systems to sustain the state's economy and provide mobility is growing.

Counties may use the metrics on this dashboard to meet the following objectives:

- Increase accountability of public expenditures
- Communicate results to citizens
- Secure support for investments by focusing on results in the face of reduced resources
- Respond to state and federal statutes

The transportation metrics and this dashboard reflect the six transportation policy goals established by the Legislature in RCW 47.04.280 and complement the biennial State Transportation Attainment Report prepared by the Office of Financial Management.

The Washington State Legislature funded this project to assist county governments in improving the delivery of their transportation programs and projects. The County Road Administration Board, the Washington State Association of County Engineers, and the state's 39 counties are partners in this effort.

LAUNCH DASHBOARD

Web Address

www.crab.wa.gov/metrics

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Questions?

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