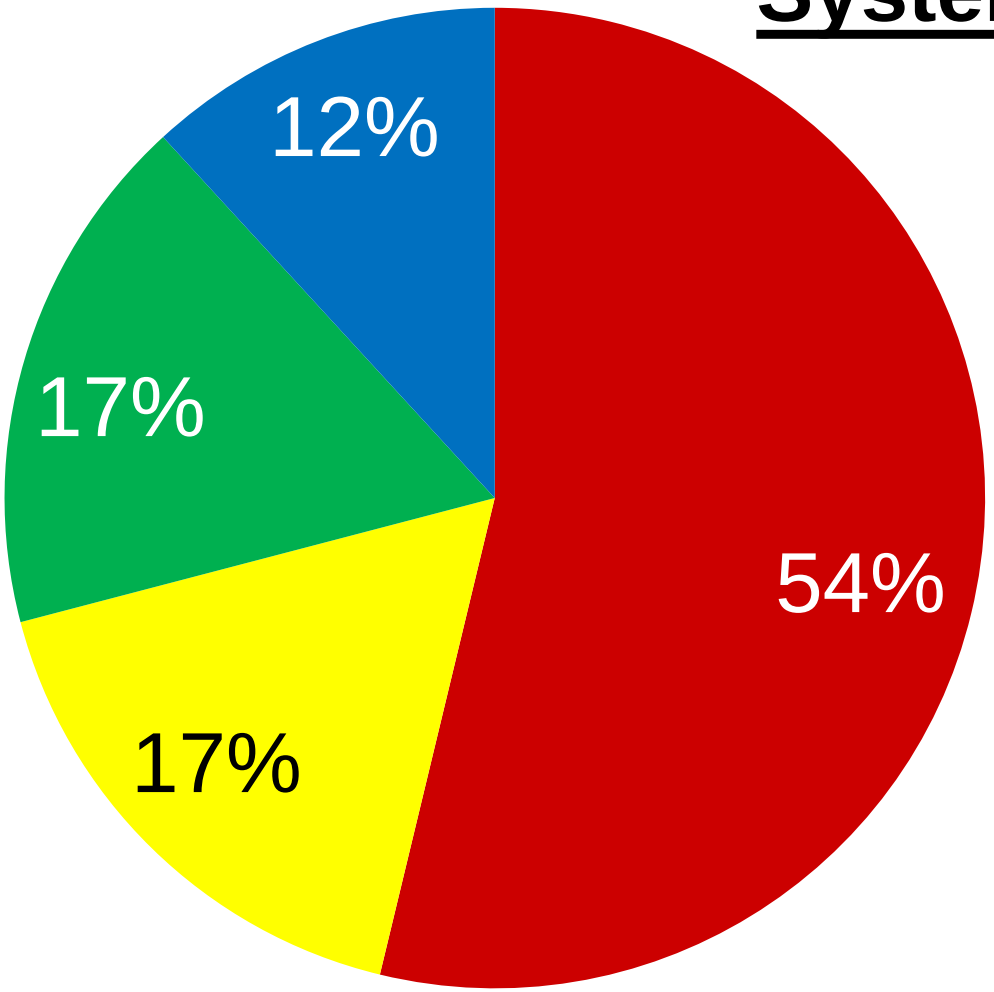
Wisconsin Towns Association Update

Mike Koles, WTA Executive Director

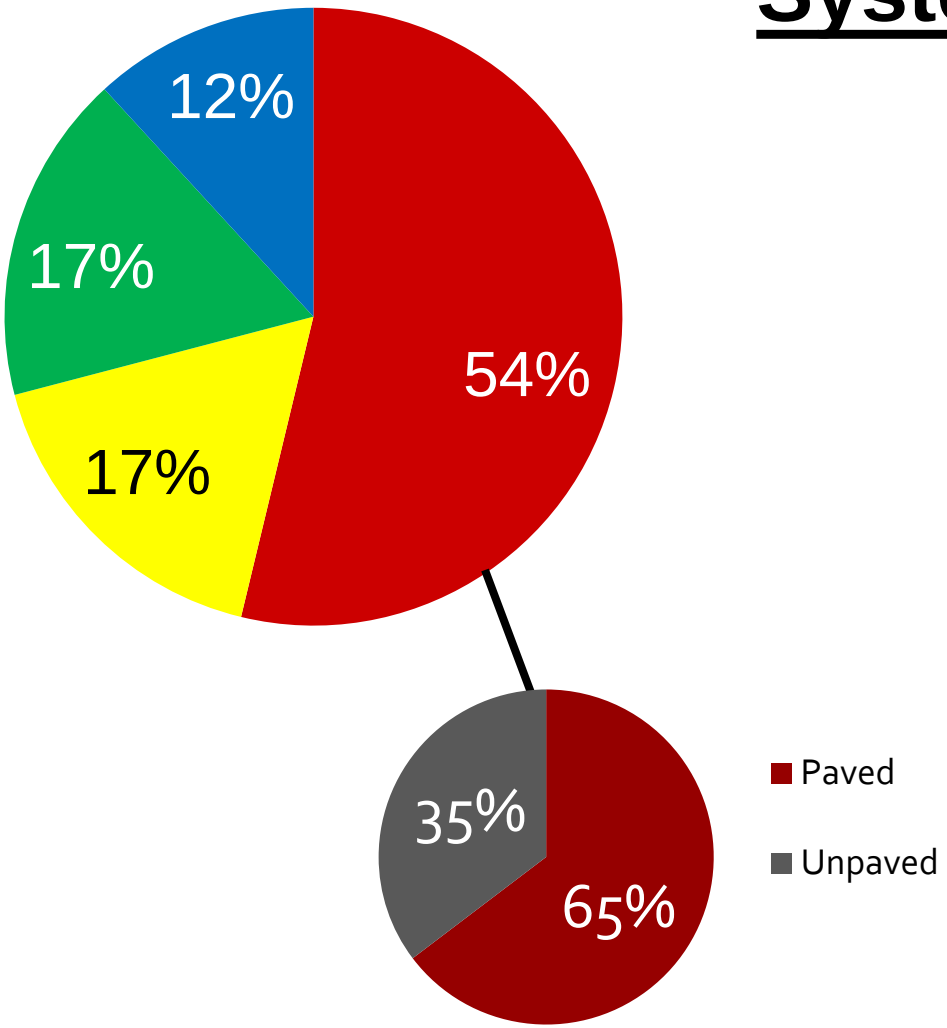
Wisconsin Motorists and Businesses Deserve Better

System Composition



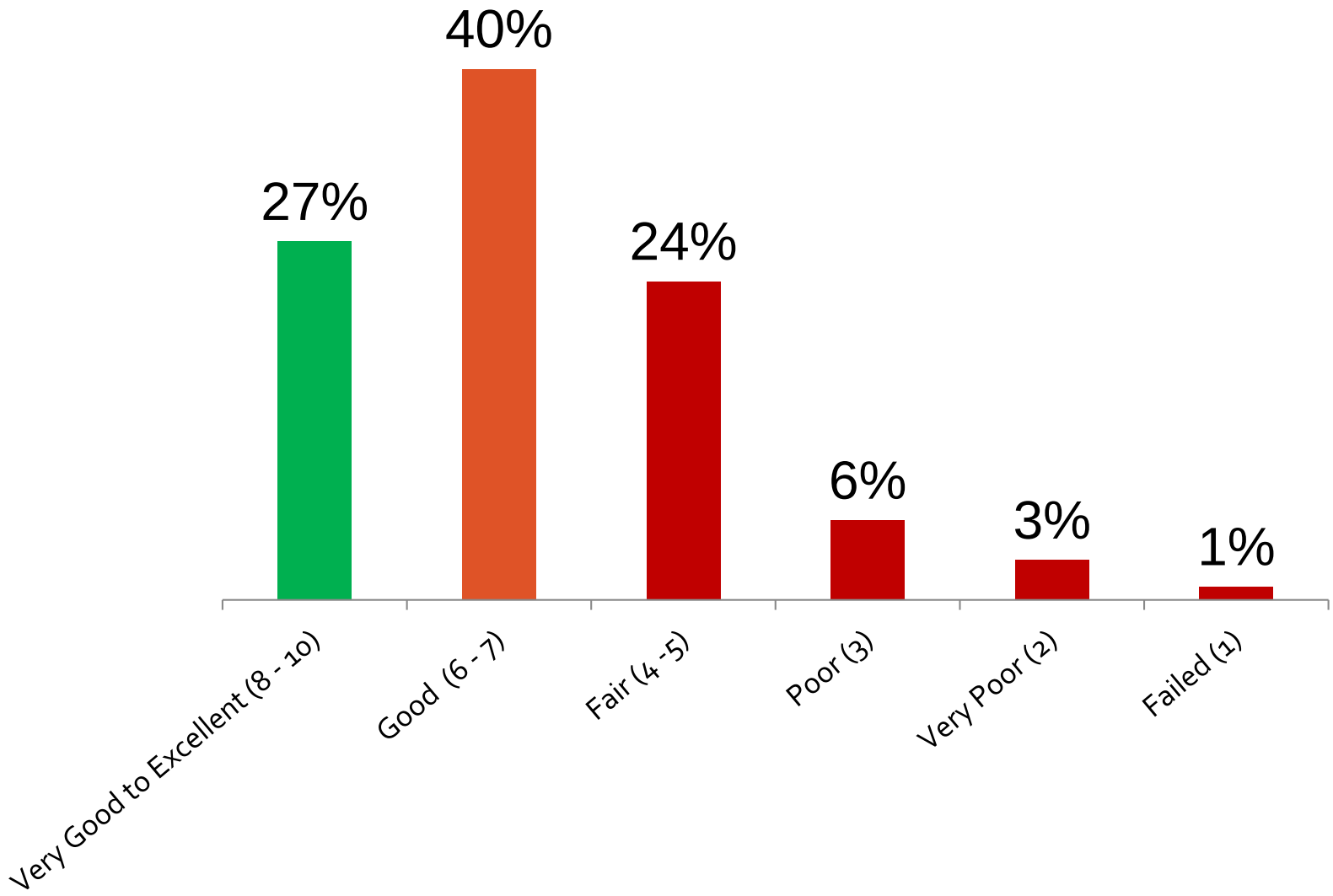
Source: LFB Informational Paper 2015 #40

System Composition



Sources: LFB Informational Paper 2015 #40
WisDOT Paved Road Totals WTA Data Request 2016

2015 Town PASER Ratings



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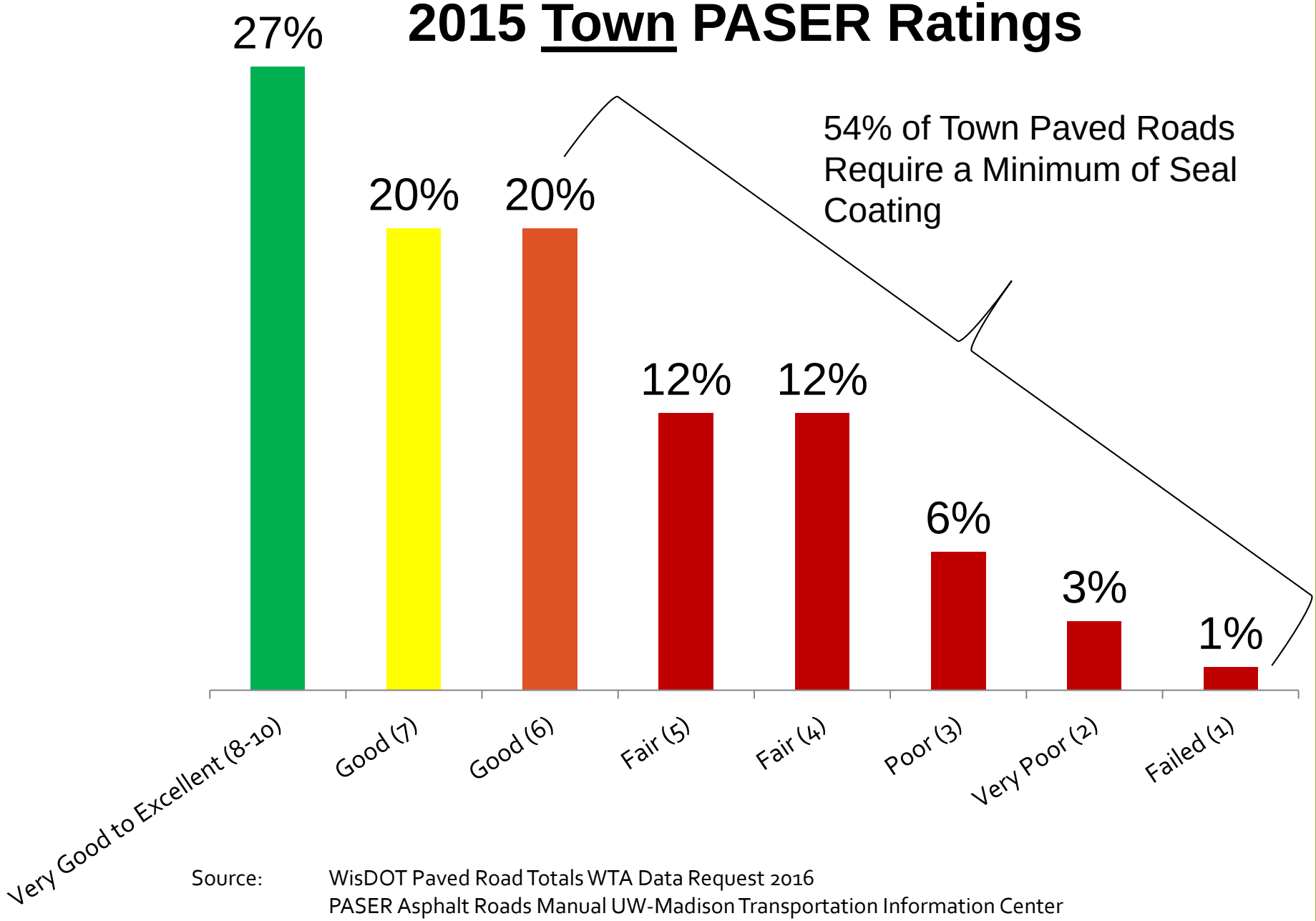
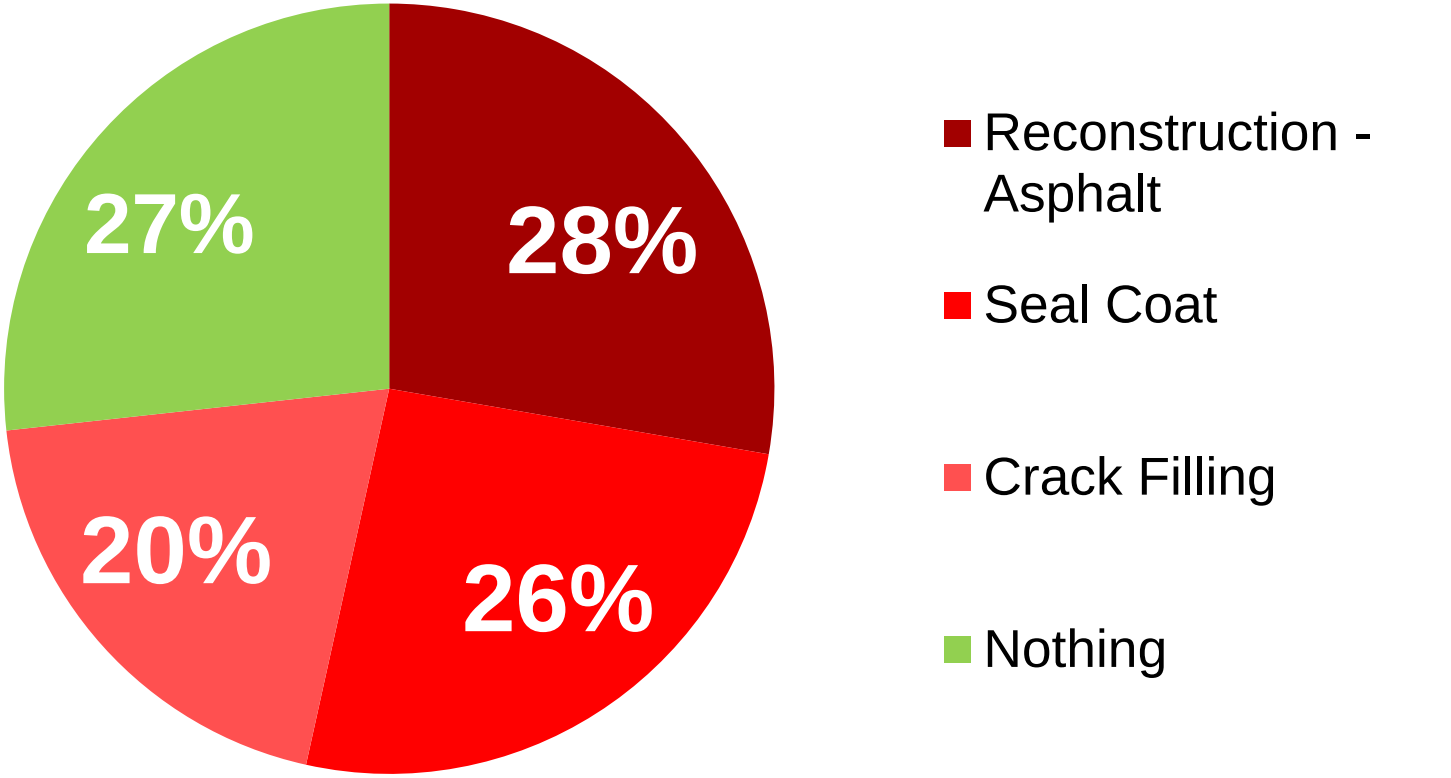
2015 Town PASER Ratings



Source: WisDOT Paved Road Totals WTA Data Request 2016
PASER Asphalt Roads Manual UW-Madison Transportation Information Center

73% of Town PAVED System Needs Maintenance



Source: WisDOT Paved Road Totals WTA Data Request 2016
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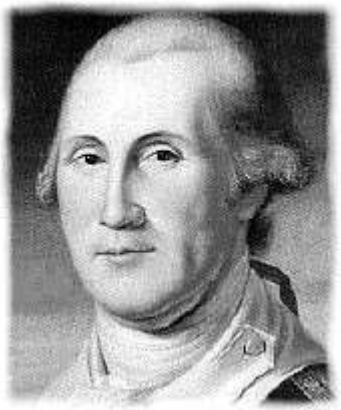
Maintenance & Replacement Schedules

Crack Filling

Sealed

Mill & Overlay - Overlay



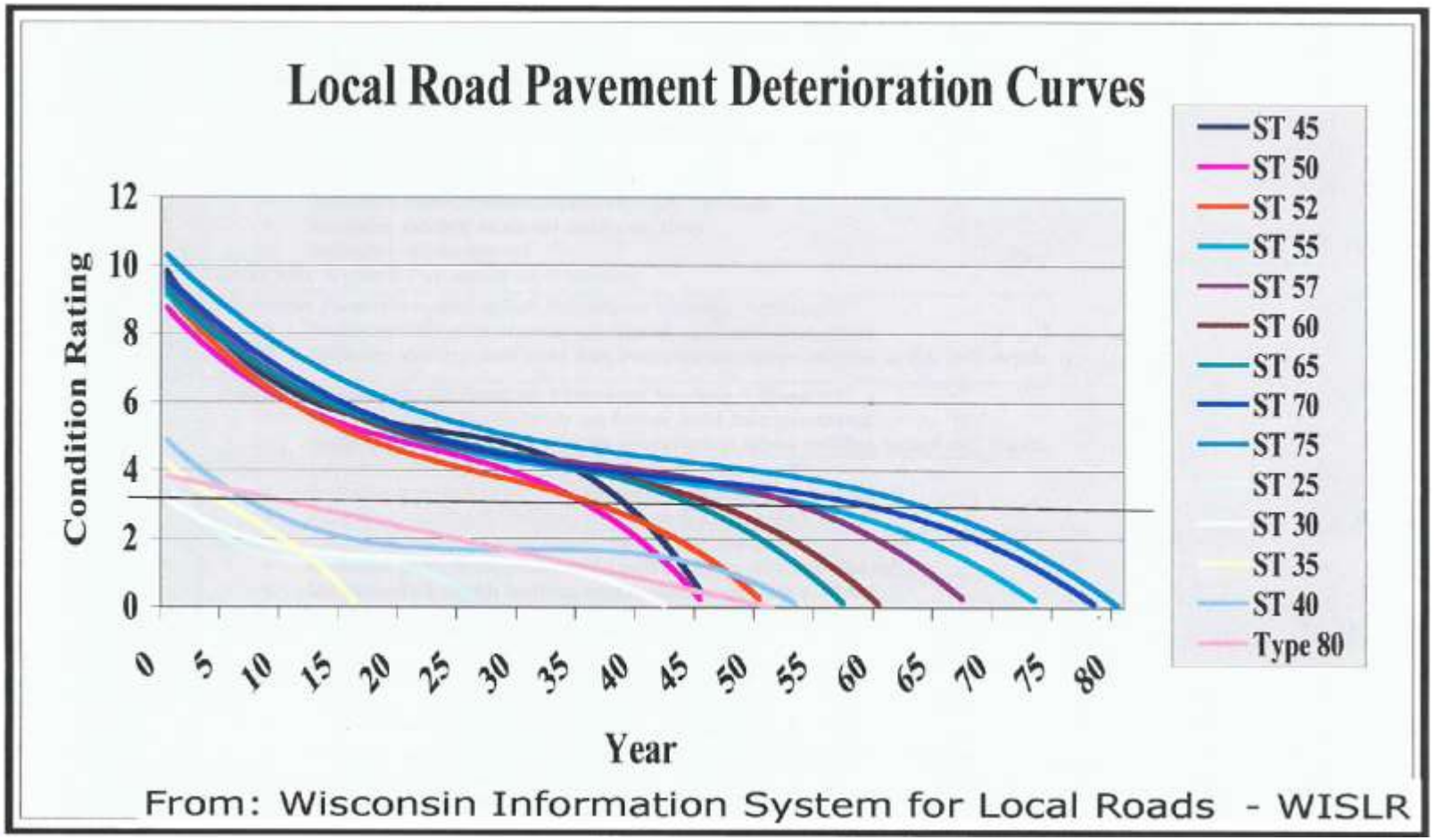
Reconstruction

GW's Grandpa was 7 years old

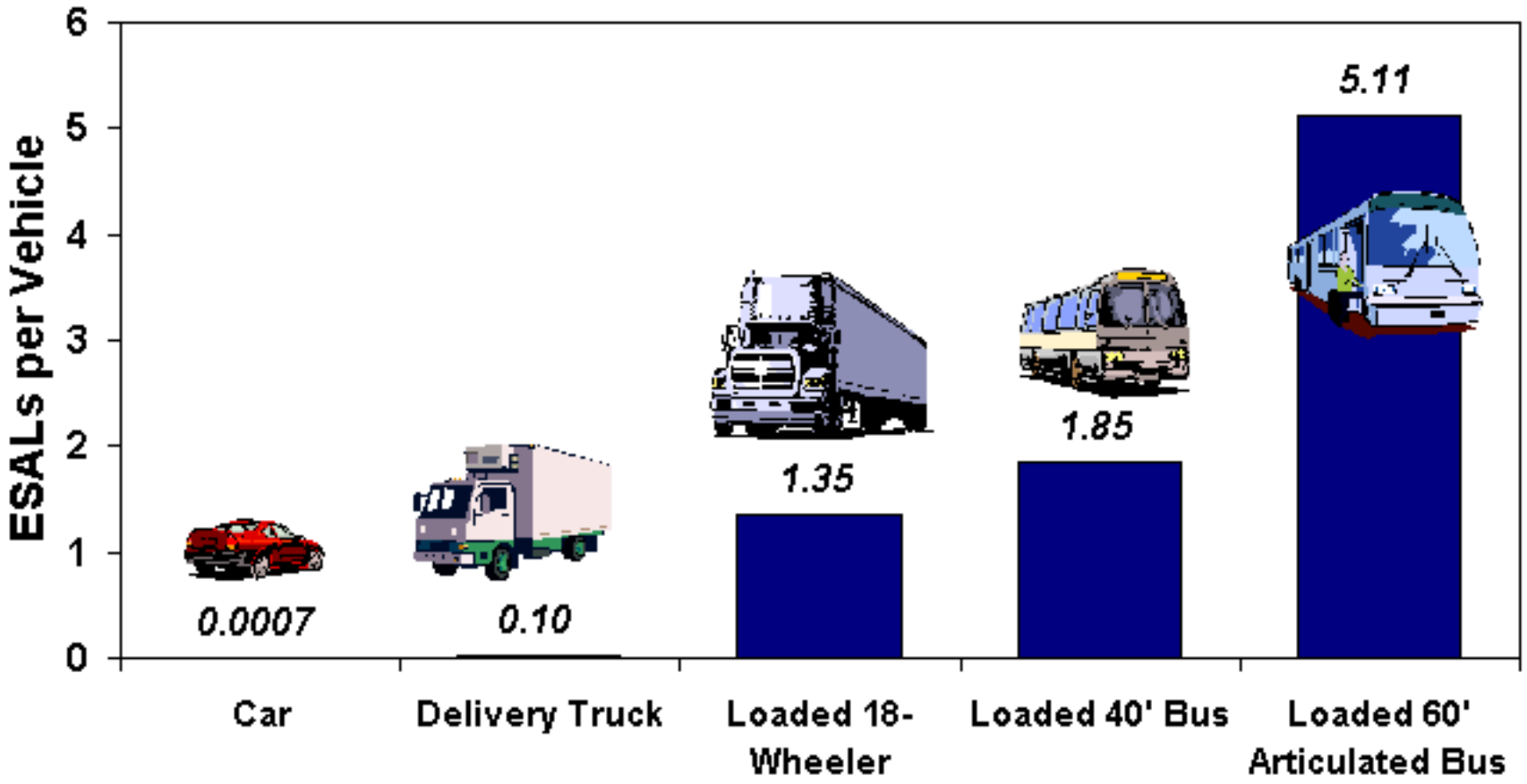
Maintenance & Replacement Schedules

Crack Filling	16.1 Years
Sealing	31.4 Years
Mill & Overlay - Overlay	62.9 Years
Reconstruction	370.8 Years

Source: 2016 Survey of Town Road Maintenance Procedures



Source: UW-Madison Transportation Information Center



One Semi = 1,928 Cars

At 50 ADT, One Semi = 10 semis is year of cars

Source: UW-Madison Transportation Information Center

John Deere 8230
1.2 ESALS
At 50 ADT – 11 tractors is a year of cars

Maintenance & Replacement Schedules

	Most Efficient & Productive	Current
Crack Filling	3 years	16.1 Years
Sealing	5 – 7 Years	31.4 Years
Mill & Overlay - Overlay	20 – 35 Years	62.9 Years
Reconstruction	40 – 70 Years	370.8 Years

Source: 2016 Survey of Town Road Maintenance Procedures

Cost???

Talk to me in a Week

- 1000 Animal Unit (CAFO) – 700 Cow Dairy (no calves, heifers)
- Each cow produces 10,000 gallons of manure per year
- Farm produces 7,000,000 gallons of manure
- Legally loaded for GVW but over slightly on axle weight = 3380 gallons
- 2071 Trips per Year

	Pavement Life Reduction (years) - Fatigue Model "Fair Soils" - AASHTO A2-4 Clayey Sand Soils 50 Year Design Life						
	100 Trips Per Year	250 Trips Per Year	500 Trips Per Year	1000 Trips Per Year	2000 Trips Per Year	4000 Trips Per Year	5000 Trips Per Year
3" over 6" pavement	0	0	8	20	30	38	40
5-1/2" over 9" pavement	0	0	0	0	0	7	14
Life maintained by heavier cross section (years)	0	0	8	20	30	31	26

Town of Star Prairie

- 61.5 miles of road
- 60% don’t meet current surface or width standards
- 0% Excellent or Very Good
- 12% good
- 28% fair
- 43% poor or very poor– engineers recommend no IOH permits
- 17% failing – engineers recommend no IOH permits

Town of Star Prairie

- Current reconstruction methods
  - $220,000 per mile
  - 15 – 30 year life expectancy

- Road budget - $300,000 annually
  - $70,000 for reconstruction (pending winter maintenance needs)
  - $149,000 for maintenance (pending winter maintenance needs)

- Road Replacement Schedule – 307 Years

Town of Star Prairie - Options

- 9.22% property tax increase via referendum
- $100 wheel tax
- Borrow
- Gravel and Increased Posting

WisDOT Budget Proposal

- $8.9 Million in Town LRIP and GTA
- $7.0 Million in GTA = $88/mile
- Typical Town with 50 miles of road = $4,400

- Town of Bradley Mill and Repave with Partial Base Work
  - $125,763 per mile
  - .03 miles additional work

- Town of Bristol Complete Reconstruct (5.5 over 9)
  - $442,081
  - 53 feet of additional road

- Governor has pledged an additional $14.6 million in GTA