



Update on Tacoma Street Conditions

City of Tacoma | Public Works Department

City Council Study Session
June 25, 2024

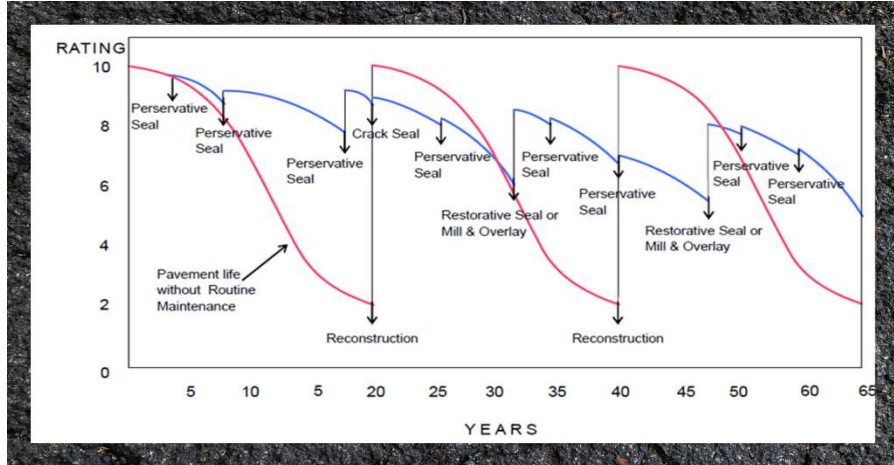


Overview



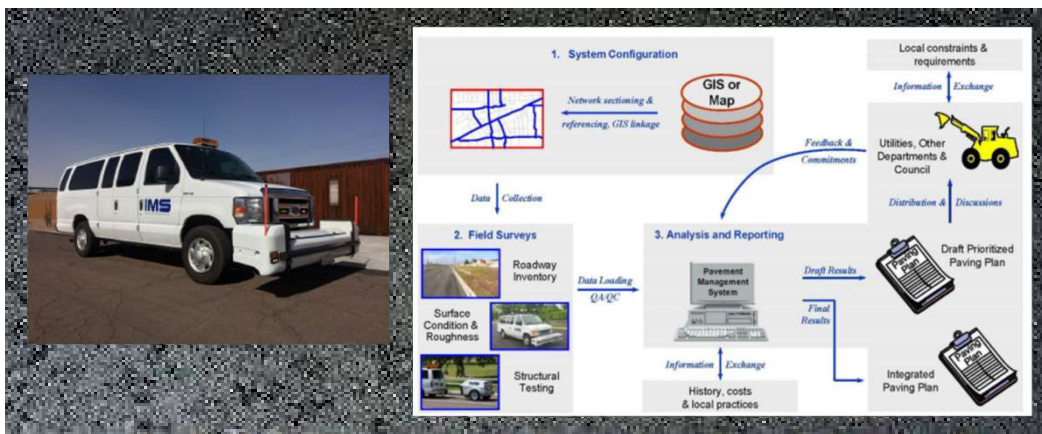
- Background on Pavement Management
- Network Composition
- Network Conditions
- Maintenance Categories
- Replacement Value
- Challenges & Opportunities

●●● Background on Pavement Management



Attain optimal street conditions at the lowest possible life-cycle cost.

●●● Background on Pavement Management



Network Composition



Pavement Type	Lane Miles	Arterial	Residential
Asphalt (ACP)	1,885	39%	61%
Concrete (PCC)	158	51%	49%
Gravel (GVL)	19	0%	100%
Brick/Cobblestone (BRK)	5	0%	100%
Totals	2067	39%	61%

Asphalt

Concrete

Gravel

Brick

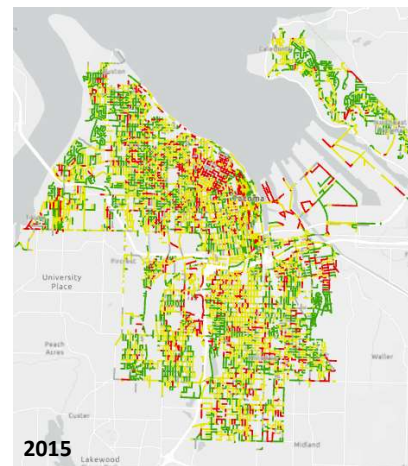
Cobblestone

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Network Conditions – 2015



- Average PCI – 60
- Arterial Avg. PCI – 58
- Residential Avg. PCI – 61

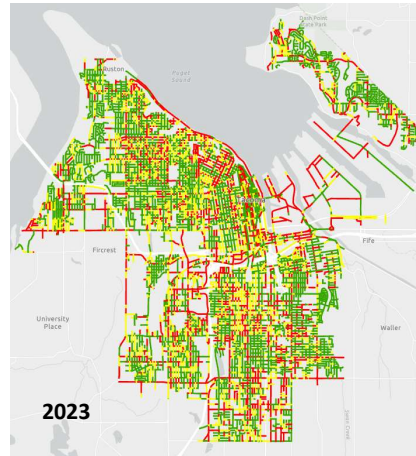


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●●● Network Conditions - 2023






- Average PCI – 61 (+2%)
- Arterial Avg. PCI – 45 (-29%)
- Residential Avg. PCI – 68 (+10%)



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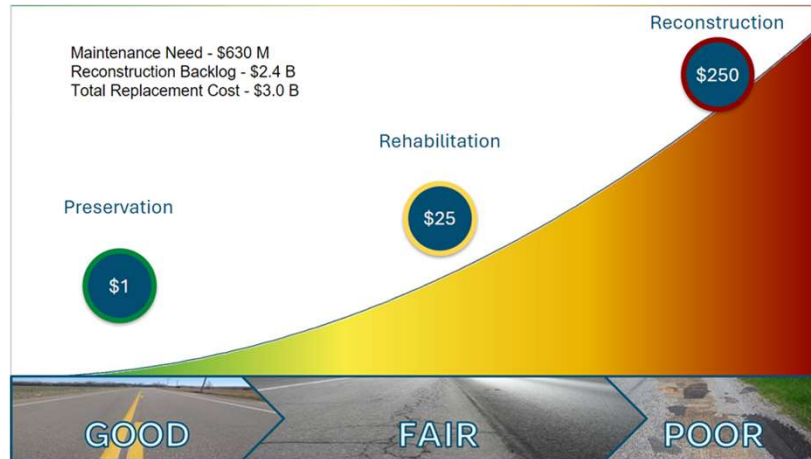
●●● Maintenance Categories



Condition	Maintenance Category	Activity	Example Projects
 GOOD (70+)	Preservation	Crack Seal (ACP)	PWSO Annual PM Program
		Fog Seal	PWSO Annual ST Program
		Slurry Seal	Salishan (Contracted)
		Chip Seal	PWSO Annual ST Program
		Cape Seal	Pioneer, E 32nd St (Contracted)
		Crack Seal (PCC)	PWSO Annual PM Program
 FAIR (41-69)	Rehabilitation	Maintenance Overlay/Replacements	PWSO Paving
		Panel Replacement (PCC) -25%	SI Packages 11, 26 (PCC Maint.)
		Panel Replacement (PCC) -50%	SI Packages 11, 26 (PCC Maint.)
		Contracted Overlay (Rehabilitation)	SI Residential Packages
 POOR (40-)	Reconstruction	Contracted Overlay (Reconstruction)	SI Residential Packages +
		Reconstruction (PCC)	Taylor Way, Port of Tacoma Rd
		Complete Street	E 64th St, Sheridan, LIDs

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Replacement Value



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Challenges & Opportunities

Challenges

- Reconstruction Backlog
- Arterial Streets
- Gravel & Brick Streets

Opportunities

- Reconstruct Complete Streets
- Build on Previous Success
- Perfect Time to Set Policies

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Questions?



Before



After

South Fawcett Avenue



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