



Asset Management in Multnomah County Transportation

Key concepts and where we're headed.

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Introduction

- What is Asset Management and Why are we investing in Asset Management?
- Key Concepts of Asset Management
 - Level of Service
 - Risk Management
 - Life Cycle Costs
 - Proactive
- Where is Transportation at in our journey?
- The Future
- Questions

Please ask questions throughout the presentation



What do you do when you have a huge Country, with few people, and need to maintain a lot of infrastructure?

Asset Management started in Australia--the land down under was way under water maintaining their public infrastructure

You understand what your community values, and then prioritize the services they want from your infrastructure.



Evolution of Asset Management Approach

Traditional 'Asset Stewardship' Approach

- Asset Centric
- No formal consideration of how assets contribute to objectives
- Refurbishment/Replacement based on asset age and condition.
- May limit the adoption of strategic solutions, system optimization and cost effective operational solutions to defer work; thus overstating capital solutions



'Service Focused' Approach

- Customer Centric
- Considers the consequences of asset failure on objectives
- Refurbishment/Replacement based on risk to service delivery
- Considers the capability of a system of assets and operators to deliver services



Level(s) of Service



Risk Management

Consequence, Likelihood, and Criticality



Bid to repair the roof: \$5,000

Bid to repaint the exterior: \$5,000



You only have \$5,000 - which do you choose?



Risk Management

Triple Bottom Line

- Operations
- Financial
- Environmental
- Emergency Access
- Travel Time
- Safety
- Comfort
- Public Reputation



Life Cycle Costs



Photos & Videos

Total 5-Year Ownership Costs

Select Model

2.5i Premium PZEV 4dr SUV AWD (2.5L

Near ZIP

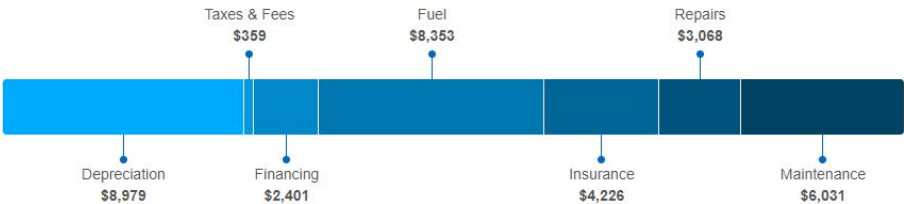
97206

True Cost to Own

\$33,417*

Total Cash Price

\$15,359



New Car vs. Used Car



Photos & Videos

Total 5-Year Ownership Costs

Select Model

Premium 4dr SUV AWD (2.5L 4cyl CVT)

Near ZIP

97206

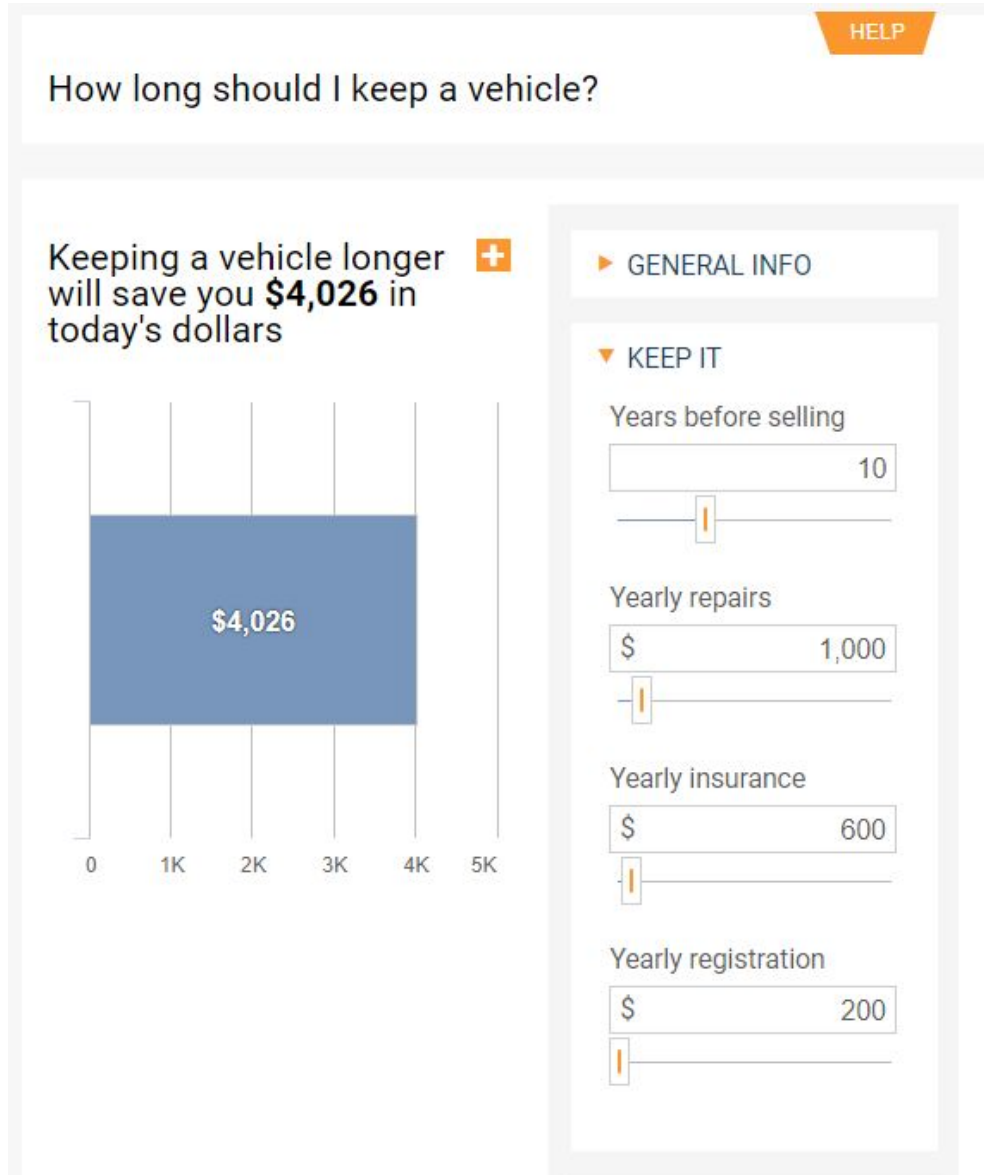
True Cost to Own

\$36,247*

Total Cash Price

\$28,947





Life Cycle Costs

When is the right time to Sell?



Proactive - Preventive Maintenance

Fair Repair Range

\$586 - \$703
Includes parts and labor

 Important Info
& Definitions



60,000 Mile Service Includes:

Fair Repair Range

\$238 - \$309
Includes parts and labor

 Important Info
& Definitions



90,000 Mile Service Includes:



Proactive



Proactive - Planning

Policy, Strategy and Plans

Organizational Strategic Plan

- Ensure clear understanding of the organization objectives and mission to customers
- Understand any existing strategic plans that relate to the assets (i.e. service goals, sustainability)

Asset Management Policy

- Articulates senior management commitment to Asset Management and Continual Improvement
- Provides "top down" direction regarding expectations and mandatory requirements for Asset Management and defines the key principles that underpin Asset Management at the organization.

Asset Management Strategy / Strategic Asset Management Plan (SAMP)

- Defines what the organization intends to achieve from AM activities and by when (AM Objectives)
- Identifies and prioritizes key initiatives that support delivery of the AM Policy
- High level overview of resources, timescales for implementation

Asset Management Plans (AMPs)

- Provides approach to managing the assets over the short, medium & long term
- Outlines long term plan for the assets including service expectations, timelines and funding, and resource requirements

SMART
Objectives

There is a move to further develop
Line of Sight with Operations Plans
to guide day-to-day staff activities

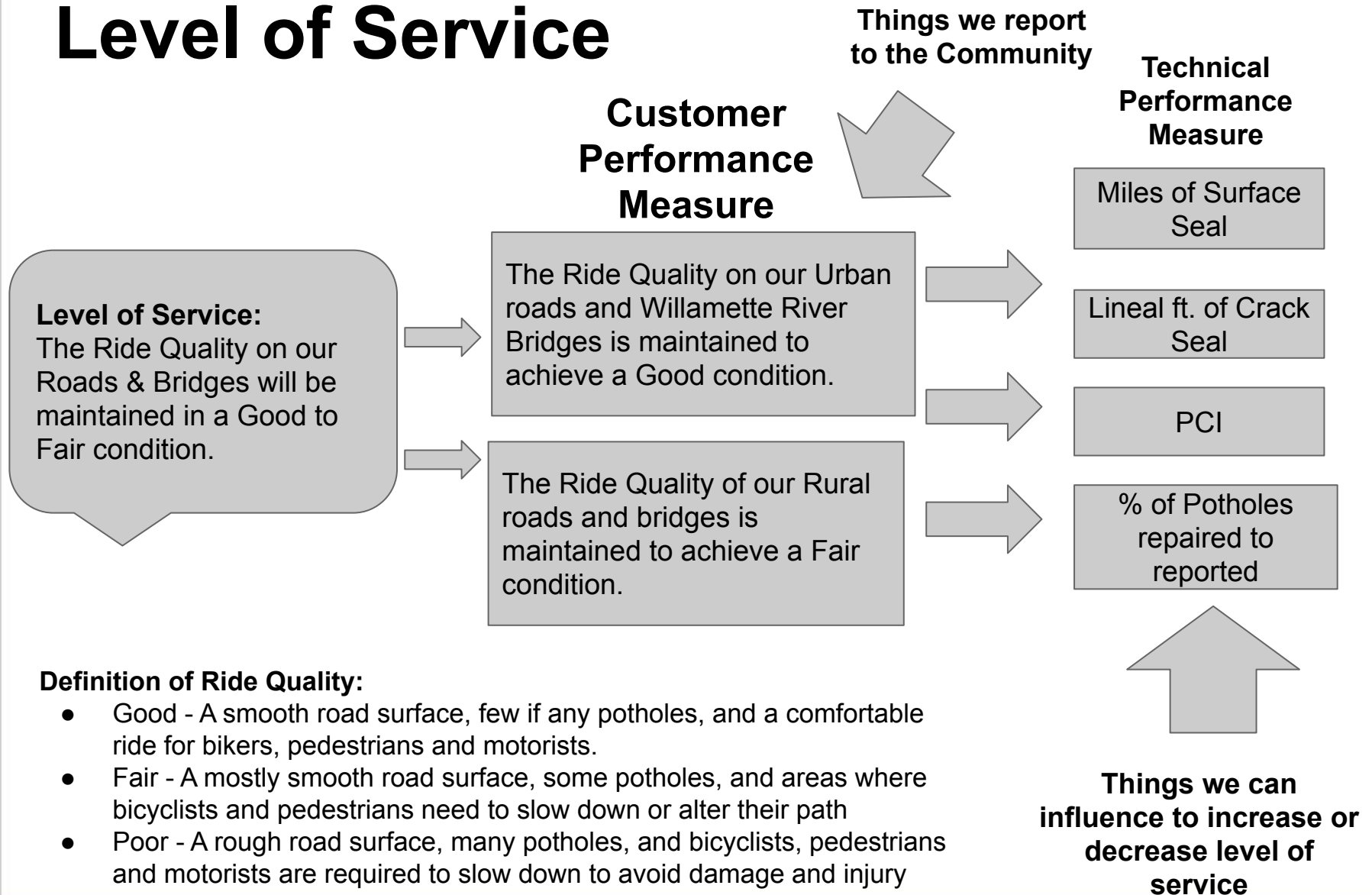
Line of Sight



There's so much we don't know!



Level of Service



Our Journey - The Future

#1

POLICY



#2



#3



Our Journey

Equity & Asset Management

How can we maintain our existing system, which favors people who already have their needs met, and at the same time improve our system to provide service to underserved communities?

- **Service Levels** should acknowledge historical disparities in how and where we deliver our services, and set targets and performance measures that align us towards more equitable outcomes.
- **Equity in Participation**--we need to make sure that more voices are heard, and those voices meaningfully inform our decision making process and our service levels.
 - What should we do more of, and what should we do less of?
- **Criticality**--we can put additional weight on where a project is located and who it serves
- **Proactive management** will free up resources that weren't previously available. Where we have some discretion we can guide investments in underserved communities.



Questions?

Still Interested in Asset Management?

Go to: <https://theiam.org/knowledge/the-big-picture/>

