



# **ROAD MAINTENANCE**

Pothole Presentation September 18, 2023

# Introductions

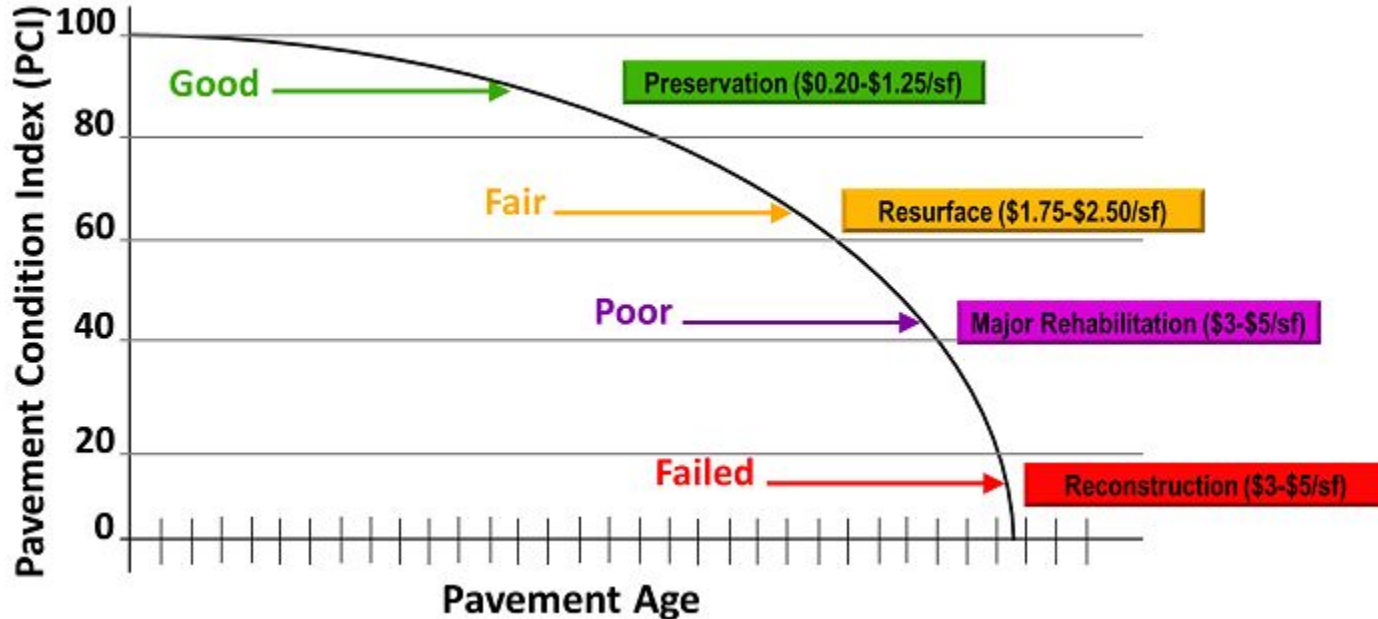


# History of Multnomah County Road Maintenance

- Responsible for 269 miles of road
- 3 main road types - Asphalt, Oil Mat & Gravel
- Money/Construction influx in 70's & 80's
- Past construction on rural roads over existing logging roads causing issues in present
- Wet Climate



# Road Lifespan



- 12-15 year lifespan without maintenance
- 25-30 year lifespan with ideal maintenance
- Maintenance expenses increase exponentially the worse the road condition
- Many rural Multnomah County roads are 40+ years old
- Many rural Multnomah County roads are not built for industrial traffic



# Types of Fixes



## Cold Mix

### Pros:

- Easy application
- 1 to 2 crew members
- Works in wet weather

### Cons:

- Poor road adherence
- Expensive
- Temporary



# Types of Fixes

## Asphalt

### Pros:

- Cheap material cost
- Good wear surface
- Removal of problem area

### Cons:

- Large crew needed
- Large equipment needed
- Needs to be sealed
- Time consuming  
depending on location
- Dry weather only



# Types of Fixes

## **Mastic**

### Pros:

- Medium material cost
- Medium size crew
- Good wear surface and seal

### Cons:

- Extremely Slow
- Working around material causing issues
- Can be slick in wet conditions or high heat without extra material added for traction
- Dry weather only



# Types of Fixes



## Tar Pot Patch

Pros:

- Very cheap material cost
- Small Crew

Cons:

- Slow
- Results vary
- Not ideal for asphalt
- Messy
- Dry weather only

<<< not a tarpot patching pic





# Current Struggles



- Small crew/vacant positions/green workers
- Outdated budget/Inflation of costs
- COVID
- Loss of inmate workers
- Increase in maintenance needs
- New regulations slowing processes
- Crew taking heat for poor road conditions from angry citizens





Questions?