



**North Central Texas  
Council of Governments**

# Concrete Pavement Preservation through Asphalt Overlay

Presented by City of Plano and  
TexasBit

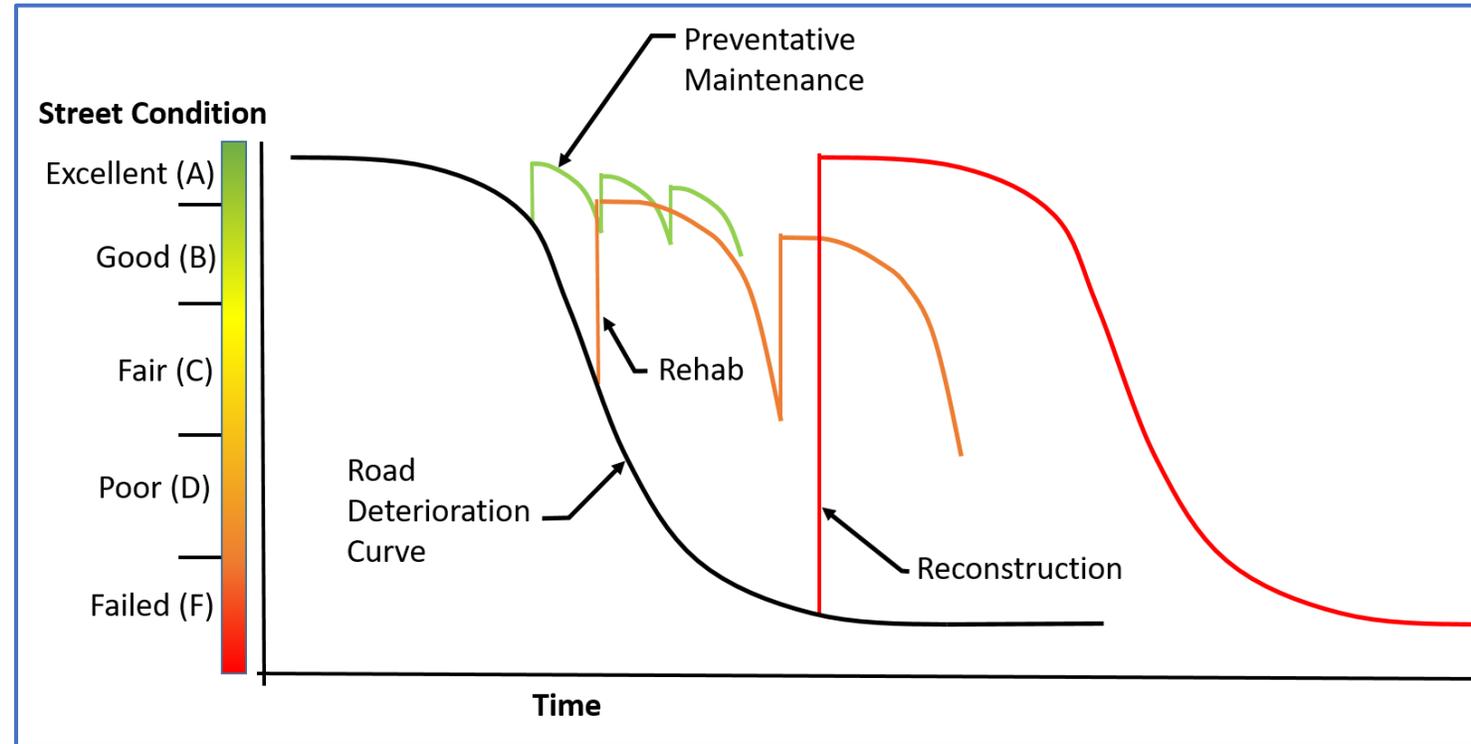
# Asphalt Overlay Program Overview – Presented by City of Plano

- Why Asphalt Overlay
- Benefits
  - Preservation
    - Water Intrusion
    - Significantly fewer defects when overlay added to concrete repair
  - Ride quality
  - Noise reduction
  - Aesthetics
    - Aesthetic Consistency
  - Life cycle analysis



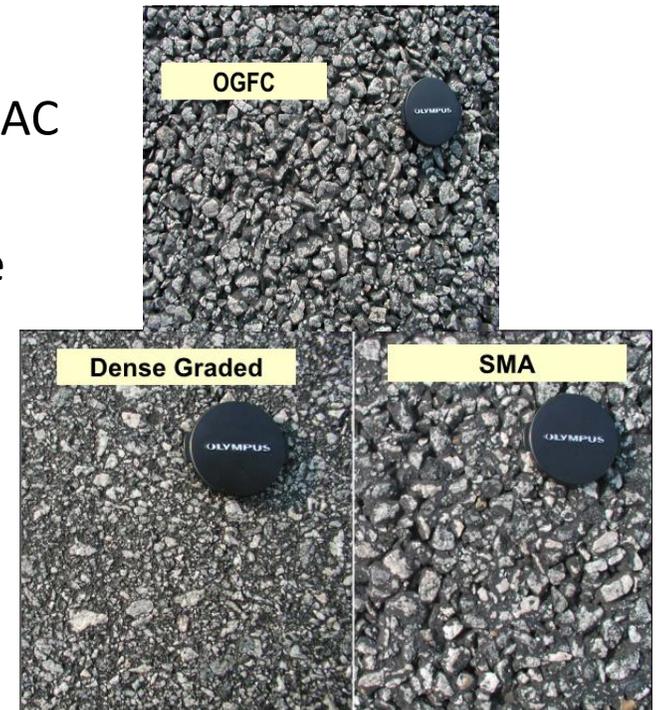
# Asphalt Overlay Program Overview – Presented by City of Plano

- Why Asphalt Overlay
- Repair and overlay vs. concrete reconstruction
  - PCI Scores Dictate Maintenance Not Replacement
  - Life Cycle Cost
  - Construction Disruption to Public
    - Time for Construction
    - Phasing for Construction



# Asphalt Overlay Program Construction Methods – Presented by TexasBit

- Material & Equipment Selection
- Level-up mix
- Surface Mix – Ultra-Thin Overlay, TOM, CAM, Type D, Super-pave, MAC
- Spray Paver vs. Hot Applied Membrane vs. Conventional
- Benefits of Recycled Materials – how they help asphalt performance



# Asphalt Overlay Program Construction Methods – Presented by TexasBit

- Level-up vs. Crackseal (importance of doing one or other or both)
- Level-Up
  - Means/Methods to Achieve Maximum Benefits
  - Addresses Wide Range of Distresses
  - Restore Ride Quality
  - Durability
- Crackseal
  - When
  - How
  - Material



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# Asphalt Overlay Program Looking Back – Presented by City of Plano

- Citizen / Taxpayer feedback
- Was it worth it?
- Changes going forward?



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# Asphalt Overlay Program Looking Back – Concrete Overlays



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# Asphalt Overlay Program Looking Back – Concrete Overlays



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# Asphalt Overlay Program Looking Back – Spray Paver Applied Emulsion Tack/Seal



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# Asphalt Overlay Program Looking Back – Hot Applied Trackless Tack/Seal



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