Sharpening The Tools In Your Toolbox

Pavement Preservation Techniques

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Agenda

- What are minor treatments?
- Pavement Management approach to minor treatments.
- MGPEC Task Force.
- Minor treatment acceptance.
Minor Treatments

- Extend the life of pavements
- Applied early in a pavement life
- Surface treatment, little structural benefit
- Big bang for the buck
Minor Treatments

Concrete Pavement
- Joint sealing
- Joint repair-stitching
- Spalls, pop outs
- Slab Jacking
- Partial panel replacement
- Smoothness grinding
Minor Treatments

Asphalt pavement
- Pothole repair
- Crack seal
- Slurry seal
- Chip seal
- Micro-thin overlay
Treatment Selection

- MGPEC Task Force
  - Polled local agencies
  - Defined types of distresses
    - Asphalt
    - Concrete
  - Treatment recommendations
Minor Treatment Acceptance

"My street didn’t need paving."

- Pavement surface wears quicker than full section.
- Treating the surface is less expensive than treating the full section.
- Treating the surface protects the full section.
- Analogies
  - Auto oil change
  - Painting the house
Minor Treatment Acceptance

"My street is worse, why didn’t it get paved?"

Decision makers advocating ‘worst first’ strategy.

- Minor treatments are part of a comprehensive Pavement Management process.
- ‘Worst first’ costs more.
- Analogies
Minor Treatment Acceptance

“Chip seal is horrible!”

- Fugitive Rock
- Fog seal
- Rough surface
- Cape seal
Conclusions

- Paving streets is not a ‘place and forget’ strategy.
- Preventative maintenance extends the life of pavements.
- Many tools available.
- Choose the correct treatment.