

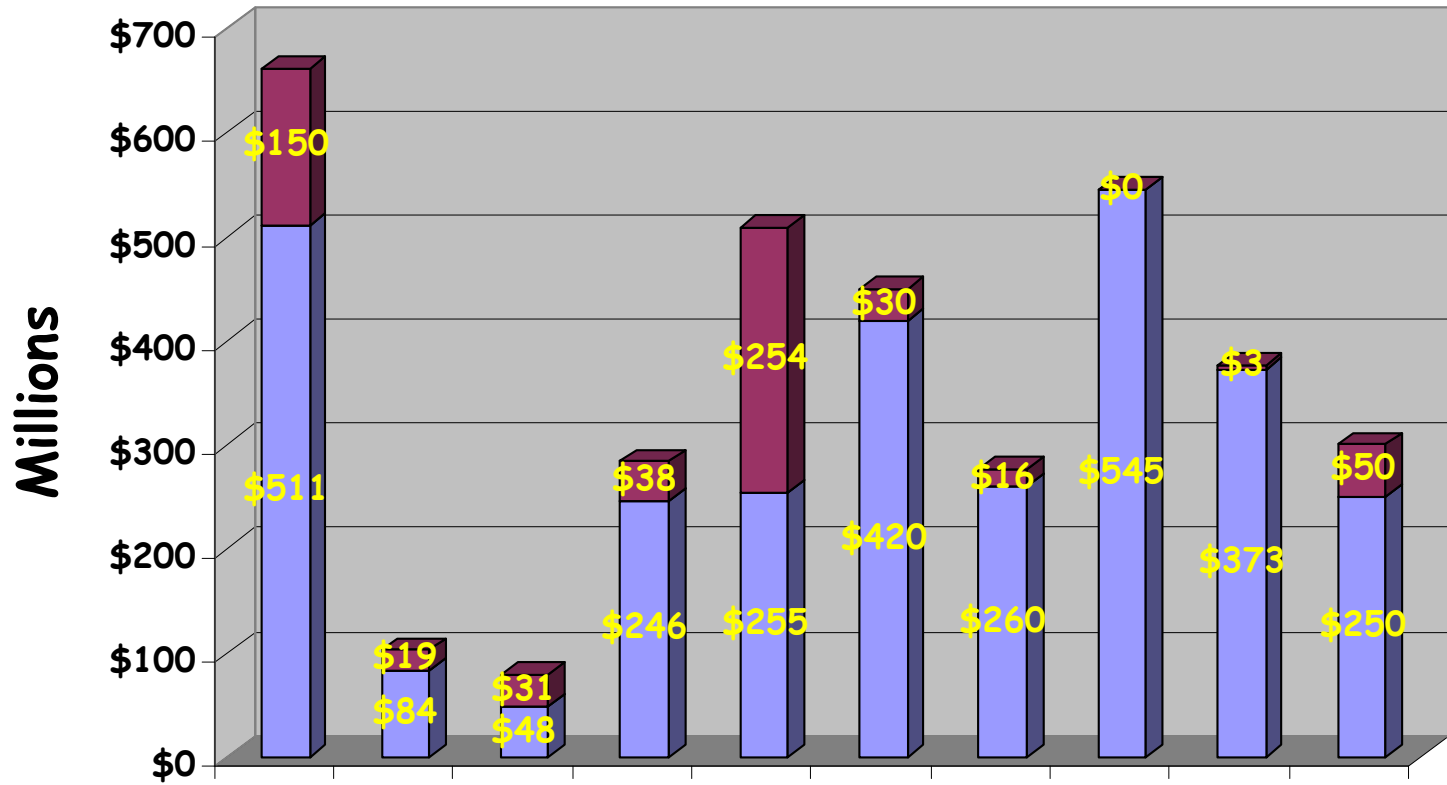


Midwestern Pavement Preservation Partnership (MPPP)

Results of the 2007 Pavement
Preservation Survey



Pavement Maintenance Budgets



Agencies Reporting (10)

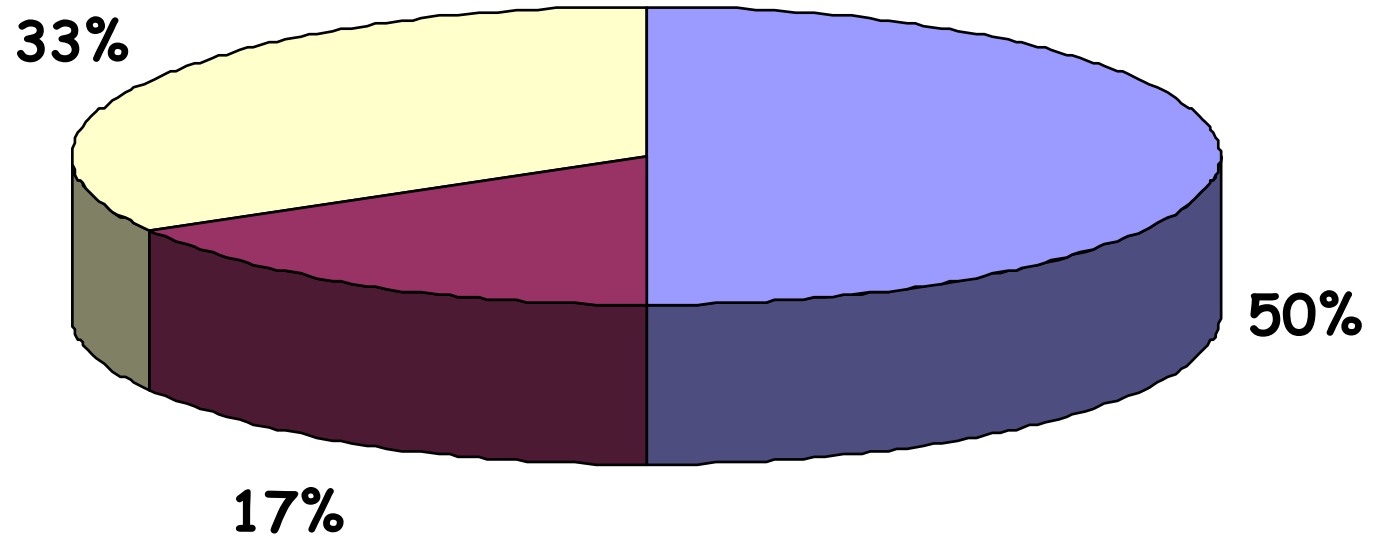
■ Rehab / Recon Budget

■ Preservation Budget



Preservation Guidelines In-Place?

(12 Agencies Reporting)



■ Yes

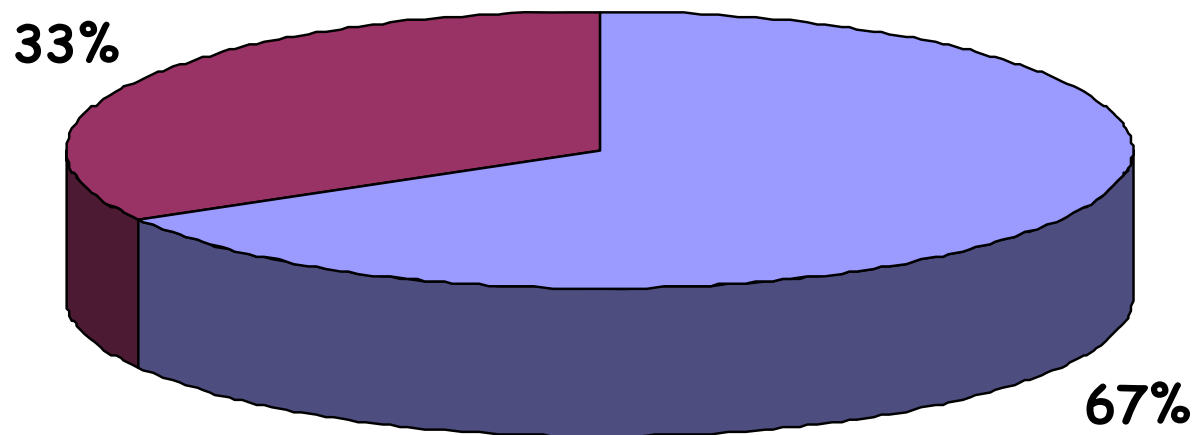
■ No

■ Under Development



Preservation Specifications Up-to-Date?

(12 Agencies Reporting)



■ Yes

■ No



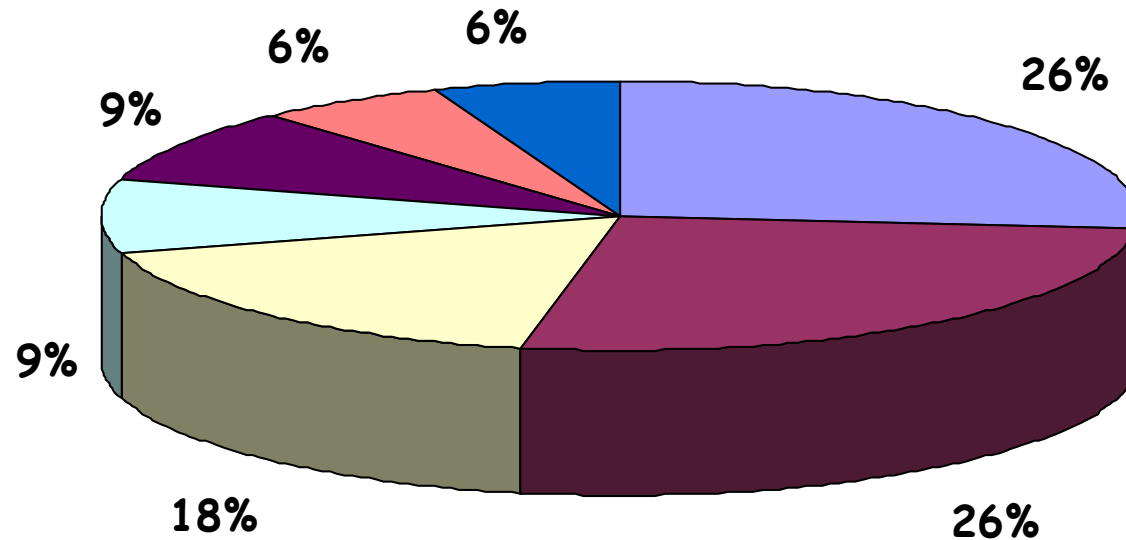
Barriers to Preservation

- ✓ Inadequate Funding
- ✓ Fighting the Worst-First Mentality
- ✓ Documenting Treatment Effectiveness
- ✓ Expanding the Number of Treatments Considered
- ✓ Incorporating Treatments into our PMS
- ✓ Determining Appropriate Conditions for Treatments
- ✓ Others



Barriers to Preservation

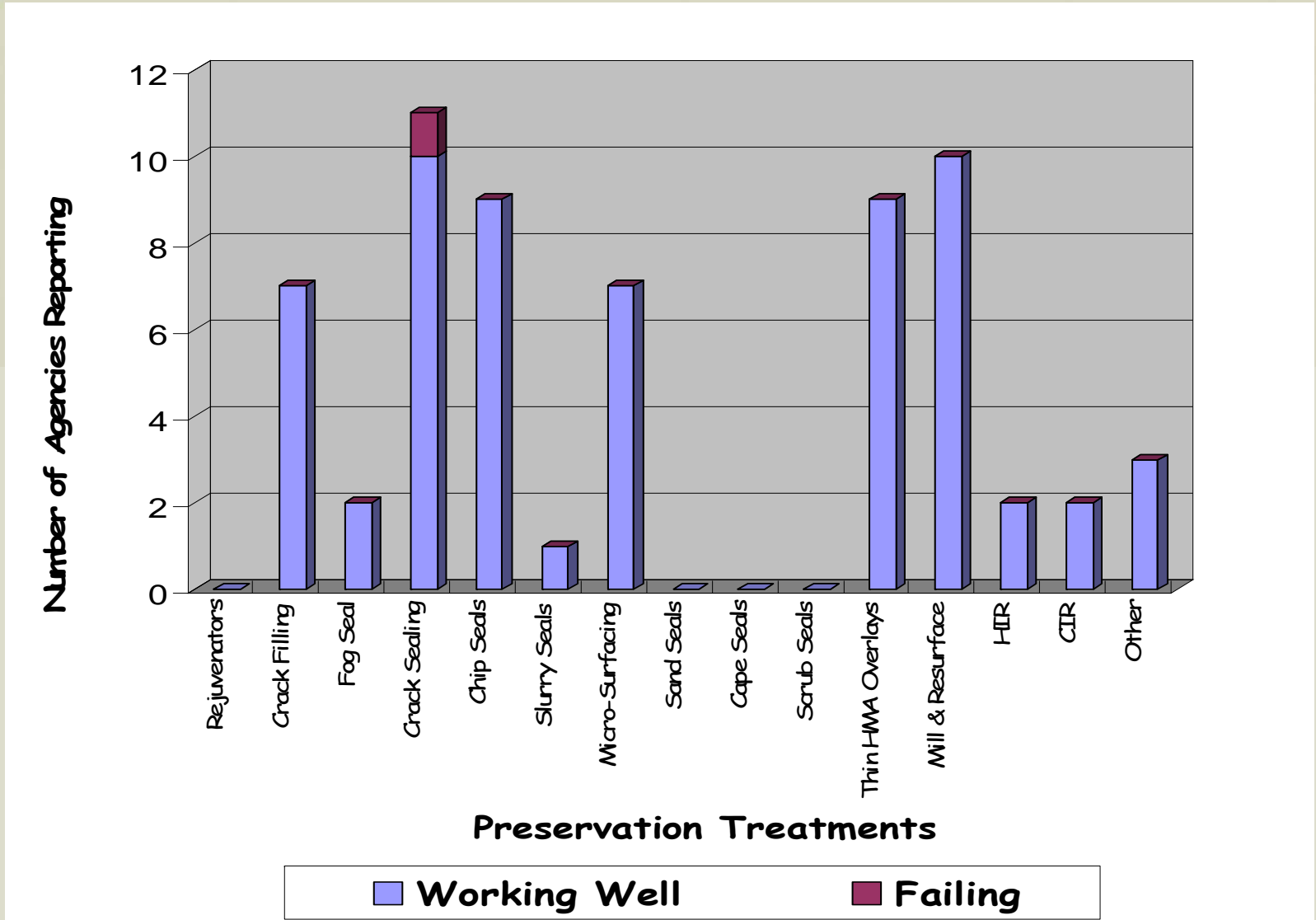
12
Agencies
Reporting



- Inadequate funding
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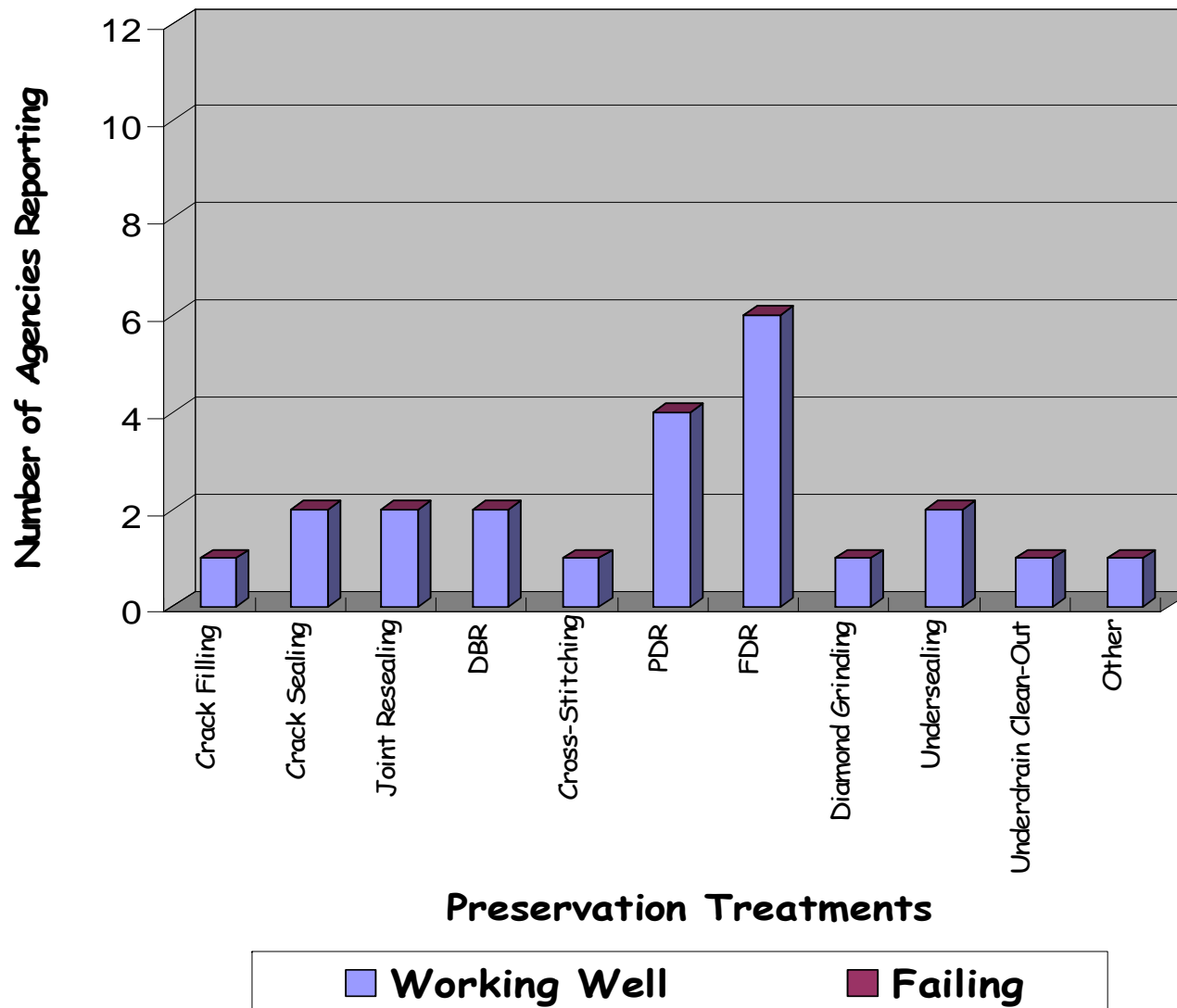


Flexible Pavement Treatment Performance



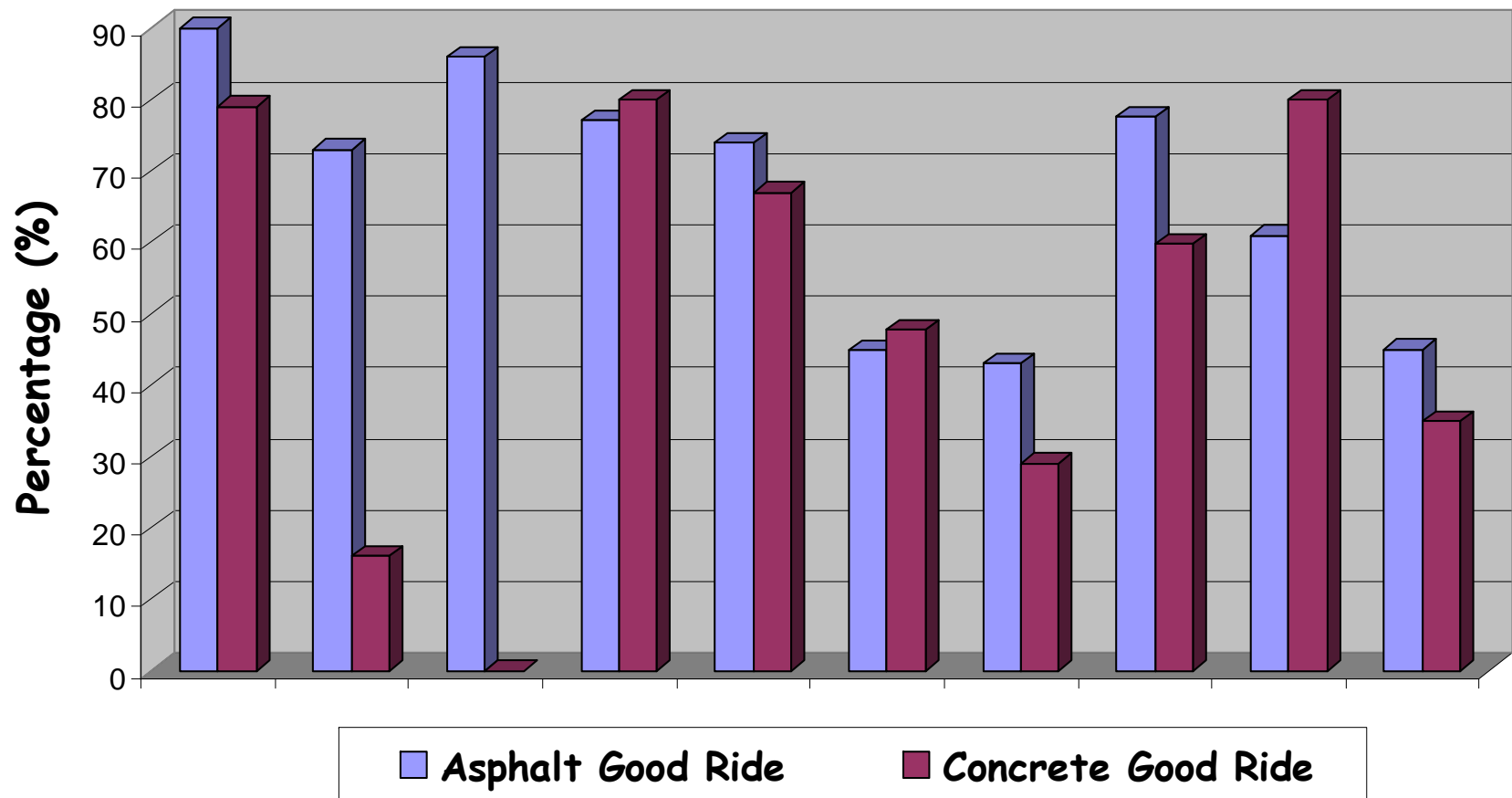


Rigid Pavement Treatment Performance





Percentage of Good Riding Pavement





BEST PRACTICES

- Contractor quality partnership
- The DOT has consistently funded and followed a pavement preservation policy for 20 years.
- Seal Coat, Rout and Seal, Micro-surfacing, Specifications
- Timely application of seal coats.
- Using "Mini Mac" crack filling to address depressed cracking that currently exists and looking for ways to minimize depressed cracking from occurring in the first place.



BEST PRACTICES (2)

- QC/QA density spec for thin mill/fill - provides very durable long lasting overlays.
- Profile milling - DOT now requires at least profile milling on all HMA overlays. This provides better ride, cross slope correction, and reduces shoving/delamination.
- Chip sealing/fog sealing



BEST PRACTICES (3)

- Our department has had a significant seal coating program for over 25 years.
- DOT has encouraged Districts to schedule crack sealing projects on newer HMA pavements and crack filling projects on older pavements. The majority of our districts have made the effort to schedule and complete crack maintenance projects in a timely manner.



BEST PRACTICES (4)

- What is a "pavement preservation best practice"?
- A thin 1.5" thick lift overlay that has helped to extend hwy. service life. However, the DOT has a limited definition of pavement preservation (only 4 treatments), and this overlay is not part of that definition; but, would be considered pavement preservation under the federal definition.
- The percentage of "good" pavements above is based on an IRI cutoff of 145 inches per mile, which is the midpoint for HPMS data reporting.



QUESTIONS?