



Planning for Preservation

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“By failing to prepare, you are preparing to fail.”

- BENJAMIN FRANKLIN

What is Preservation and Why

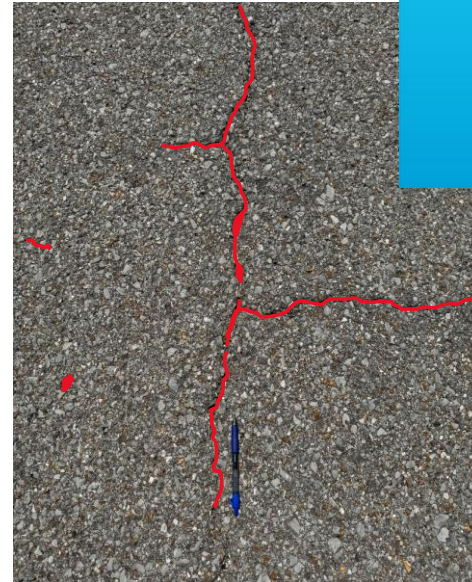
1. Pavement preservation involves the use of cost-effective pavement treatments that preserve or extend the life of pavements in good to fair condition.
2. Including pavement preservation treatments as part of an overall network-level strategy helps ensure pavement networks are maintained in a state of good repair for the lowest practicable cost.

How to Plan for Preservation

Preservation work can be planned using various methods. The most common and recommended approach is by using a pavement management system that includes:

- An inventory of pavements on the system
- Condition data
- A treatment decision tool

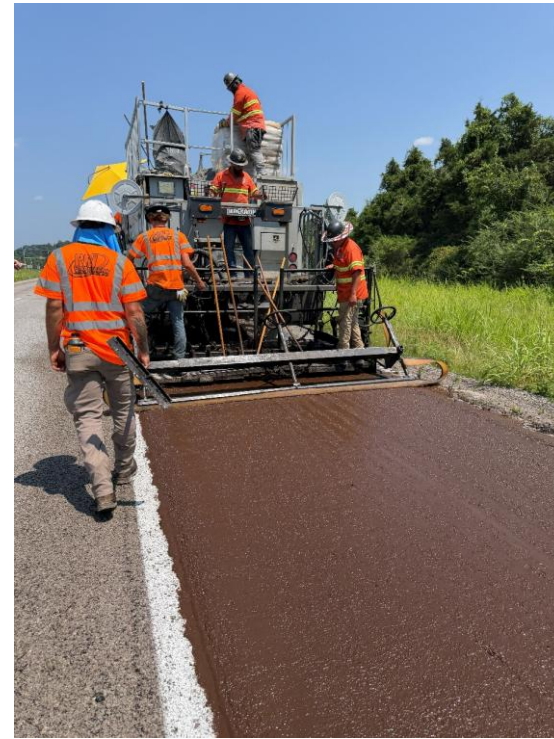
The maturity of these systems vary widely depending on agency budget and needs. More on that later.



What is a Preservation Plan

Preservation plans include a plan for how pavements on the network will be preserved and maintained. This could include:

1. A multi-year paving list — either internal or external
2. A well-defined treatment strategy
3. A plan for treatment type volumes, such as a predefined percentage by work type

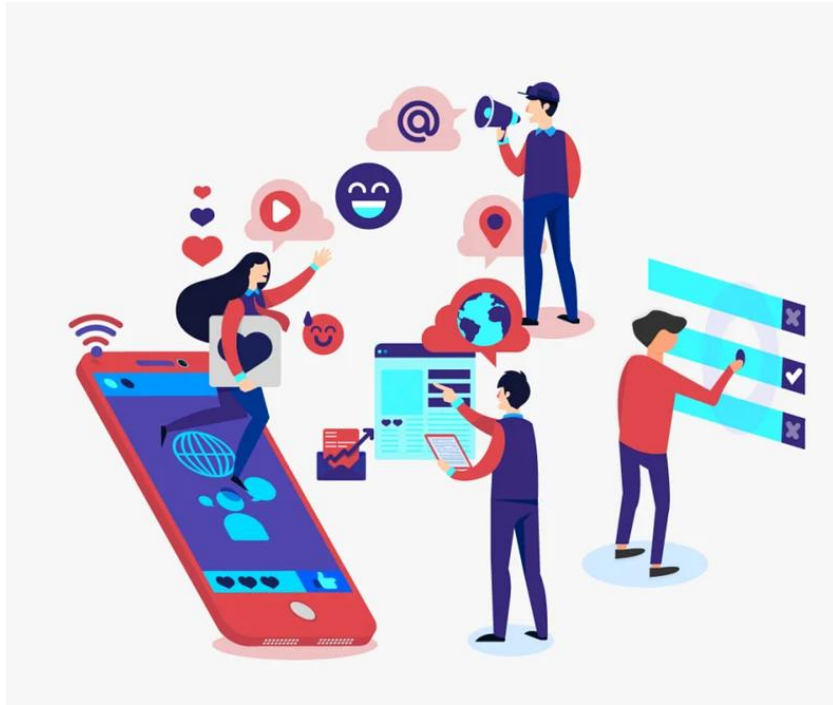


What is a Preservation Plan

- Many state DOTs maintain multi year paving plans
- Plans range from 3 to 6 years
- Many are public and include specific treatments. Others only treatment groupings.
- Plans often include all pavement projects (rehabilitation and reconstruction), not just preservation.

Year	Road	Limits	Treatment
2027	Culwell St.	MP 0.0 to 1.4	Chip seal
2027	Norris Ave.	MP 7.3 to 9.1	1-1/2" HMA overlay
2028	Main St.	...	22 lb/sy microsurface
2028	...	...	Chip seal
2029	Woods Blvd.	46 th Ave to 51 st Ave	2" overlay

Benefit #1 of Preservation Planning — *Internal Communication*



Planning pavement projects allows internal agency staff to align schedules and avoid conflicts. Examples include:

- Administrative and engineering work planning
- Utility work coordination
- Budgeting and programming

Benefit #2 of Preservation Planning — *External Communication*

A public paving plan or strategy can be beneficial to:

- Paving and construction industry partners
- Public agency stakeholders such as elected officials, police/highway patrol, and peer agencies (cities, counties, state).
- General public and commercial users.



Preservation Planning Case Example — *Culverts*

Paving plans can be coordinated with routine culvert inspection and cleaning. Aligning inspections with paving schedules provides a schedule framework for inspections.

This can also reduce the need for replacing culverts underneath new pavements.

This same approach can also be applied to bridge preservation.



Preservation Planning Case Example — *ROW Coordination*



Maintaining a multi-year pavement plan can provide enough lead time for obtaining easements and other right-of-way needs, such as ADA/PROWAG and railroad coordination.

Some coordination efforts could require years to complete.

Preservation Planning Case Example — *Conflict Resolution*

Planning and communicating pavement work can help address conflicts with other work, such as:

- Underground utilities
- Adjacent roadway projects — intersections, sidewalk projects, safety improvements, widening
- Commercial projects



Preservation Planning Case Example — Contractor Planning

Publicly-facing preservation plans allow industry partners to:

- Improve estimates
- Identify optimal aggregate sources and suppliers
- Coordinate with other work
- Communicate with subs and other potential partners



Things change!



Thank you!



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