



U.S. Department of Transportation
Federal Highway Administration

Pavement Preservation: A Holistic Approach

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- FHWA is the source of all images in this presentation unless otherwise noted.

Pavement Preservation

- FHWA Definition:

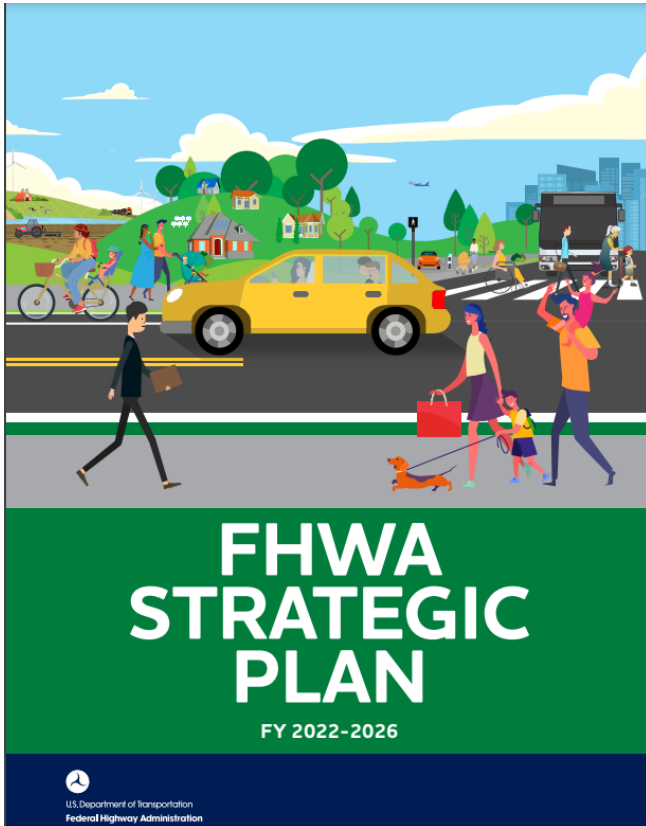
Work that is planned and performed to improve or sustain the condition of the transportation facility in a state of good repair.

- *Keeping good roads good*

Guidance on Highway Preservation and Maintenance memo dated February 25, 2016

FHWA Pavement Preservation Program Linkages to FHWA Strategic Plan

The 2023-2026 FHWA Strategic Plan states:

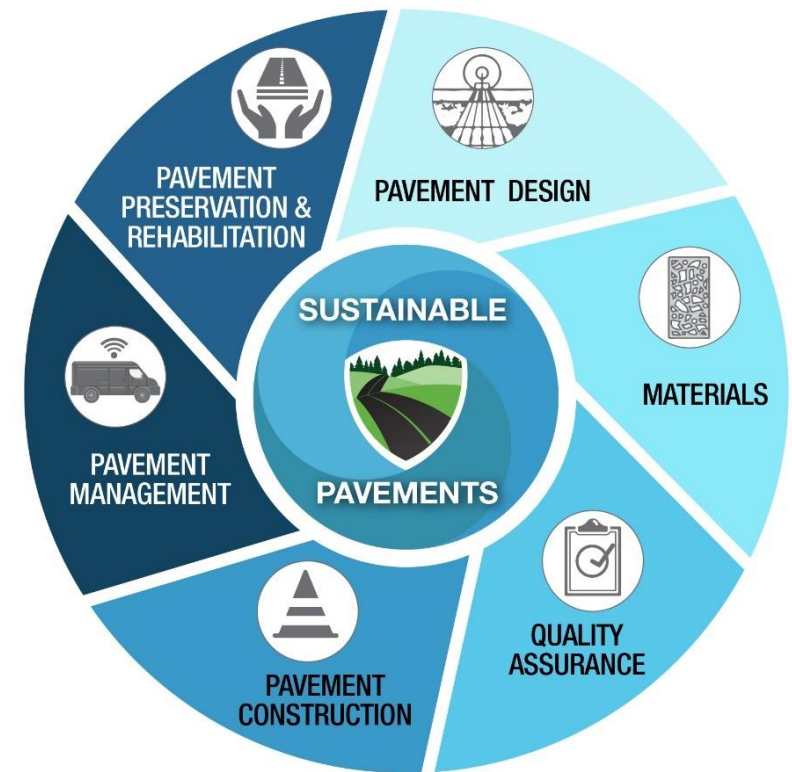


Strategic Objective - High-Performing Core Assets:
Restore and modernize core assets to improve the state of good repair, enhance resiliency, and expand beneficial new projects.

Strategy:
Promote effective materials quality assurance, preservation, and maintenance practices to extend the lifecycle of assets.

FHWA's Vision for Pavements & Materials

Ensure that pavements are designed, constructed, preserved, and maintained to accommodate current and predicted traffic needs and consider economic, environmental, and social impacts and burdens throughout the pavement's life cycle.



FHWA Pavement Preservation Program Strategic Elements

Mission: Preserving the nation's valuable highway infrastructure by keeping good roads in good conditions by using cost-effective pavement preservation.

Objective: To help agencies strategically consider and implement pavement preservation in a data-driven and systematic manner to optimize pavement performance, maximize the use of available funding, and incorporate effective stakeholder engagement.

FHWA Pavement Preservation Strategic Plan dated October 2020

FHWA Pavement Preservation Program Opportunities

- Expand the knowledge and experience
- Demonstrate the benefits
- Encourage agencies to become more pavement preservation oriented
- Foster collaboration and cooperation amongst stakeholders and partners

FHWA Pavement Preservation Strategic Plan dated October 2020

FHWA Pavement Preservation Program Strategies

- Explore and disseminate pavement preservation fundamentals
- Encourage effective pavement preservation programs
- Facilitate strategic pavement preservation research and implementation efforts

FHWA Pavement Preservation Strategic Plan dated October 2020

FHWA Pavement Preservation Program

Role of FHWA

- To provide **policy and leadership** (including training and technology transfer) toward effective application of pavement preservation within an overall pavement management process.
- To **demonstrate** the economic, social and environmental **benefits** derived from proper implementation of preservation programs.
- To **conduct and sponsor research** to address pertinent pavement preservation questions and needs of national significance.



Guidelines for the Preservation
of High-Traffic-Volume
Roadways (R26)



Pavement Preservation
(When, Where, and How)



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FHWA Pavement Preservation Program

For more information:

<https://www.fhwa.dot.gov/pavement/>
<https://www.fhwa.dot.gov/preservation/>

