



Pavement Preservation

- A program that employs a network level long-term strategy which enhances pavement performance by using an integrated, cost-effective set of practices that extend pavement life, improve safety and meet motorist expectations.





Program Components

- List of treatments
- Treatment costs and expected life
- Process for project selection
- Programmatic approach
- Performance analysis and feedback



Typical Preservation Treatments

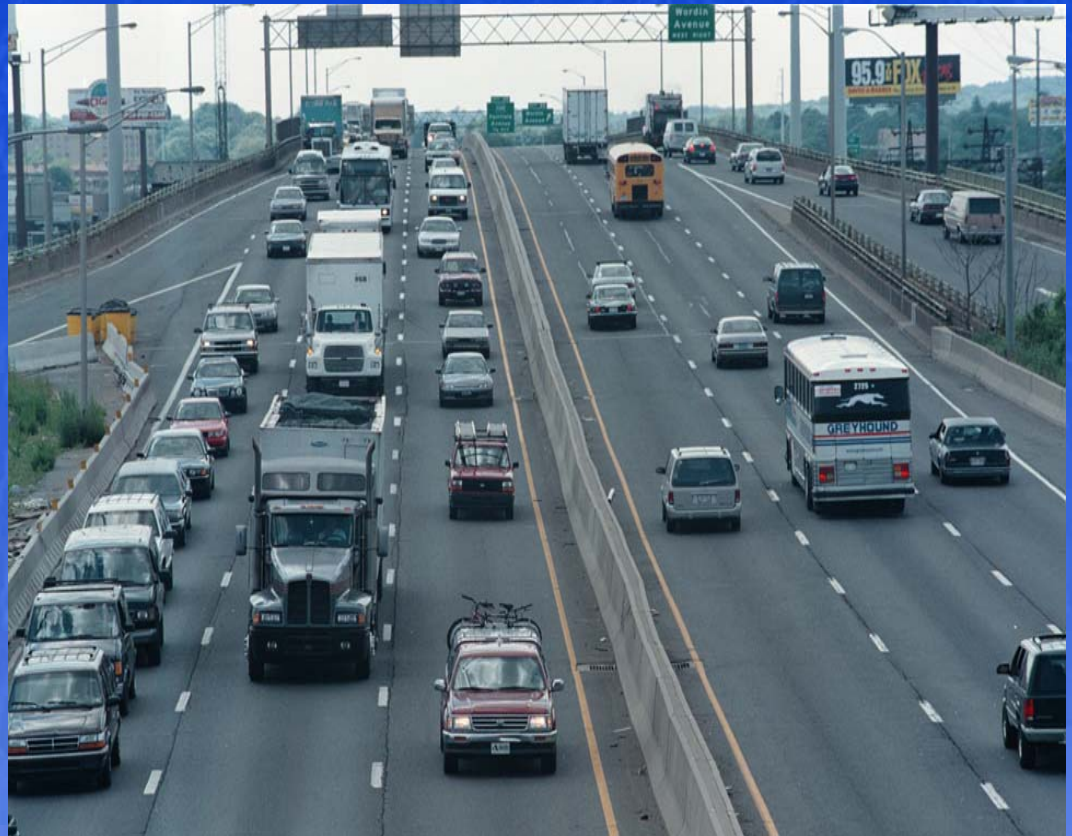
- Crack sealing
- Surface Treatments
- Ultra-thin and thin HMA overlays
- Mill and fill Functional overlays

Structural capacity is not the main objective of the treatment



Preservation Philosophy

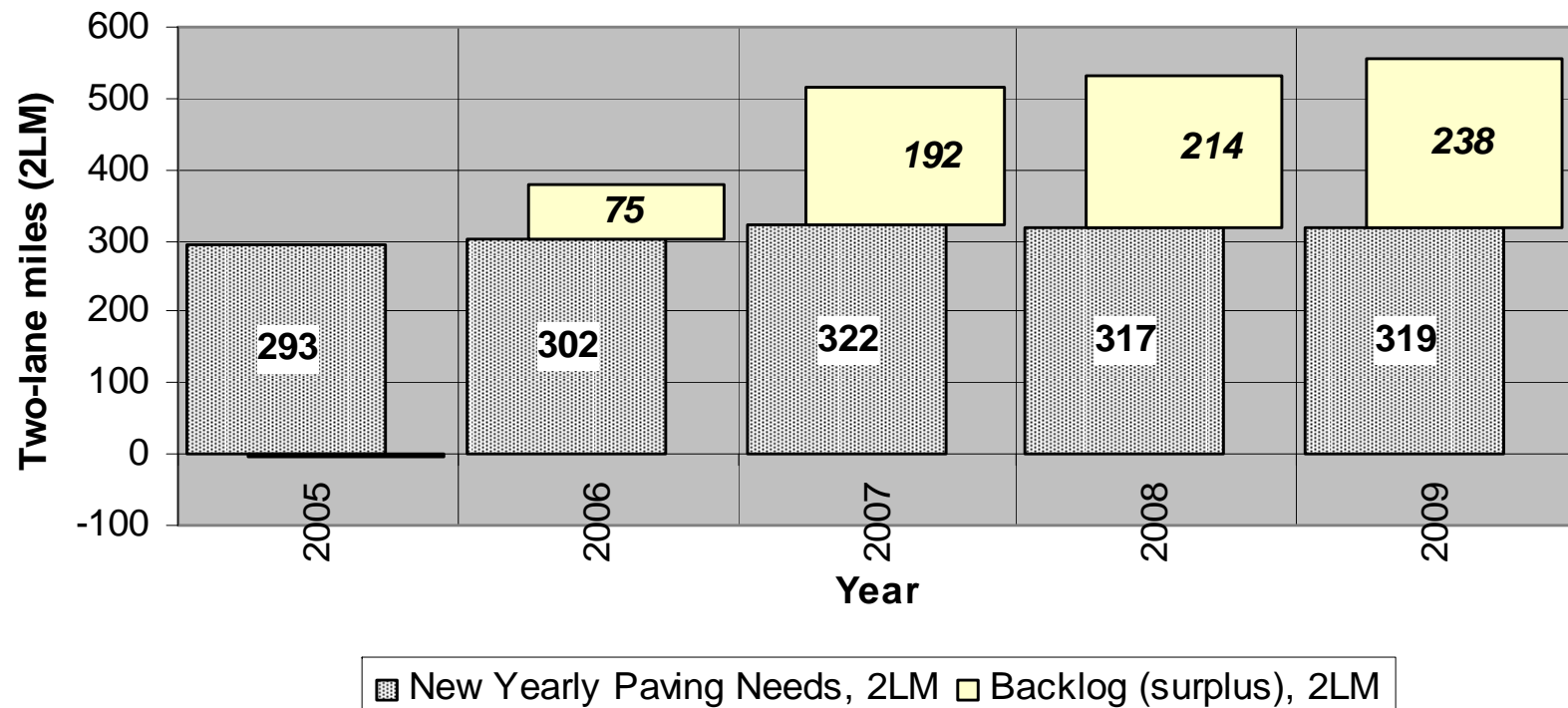
- Apply the RIGHT treatment to the RIGHT road at the RIGHT time





Paving Needs

Paving Needs and Accumulated Backlog, 2005-2009
(worst-first program)





Original Pavement
Deterioration Curve

\$1 spent here

1st treatment
(i.e. Chip Seal)

2nd treatment
(i.e. Overlay)

3rd treatment
(i.e. Chip Seal)

Full
Reconstruction

Is equal to \$5 spent here

Is equal to \$20 spent here

Pavement Condition

Excellent

Very
Good

Good

Fair

Poor

Pavement Life
(Years)

5

10

15

20

25

30