

Pavement Preservation

Larry J. Buttler, P. E.

Maintenance Division

Texas Department of Transportation

Tammy B. Sims, P. E.

Special Projects Engineer

Texas Department of Transportation



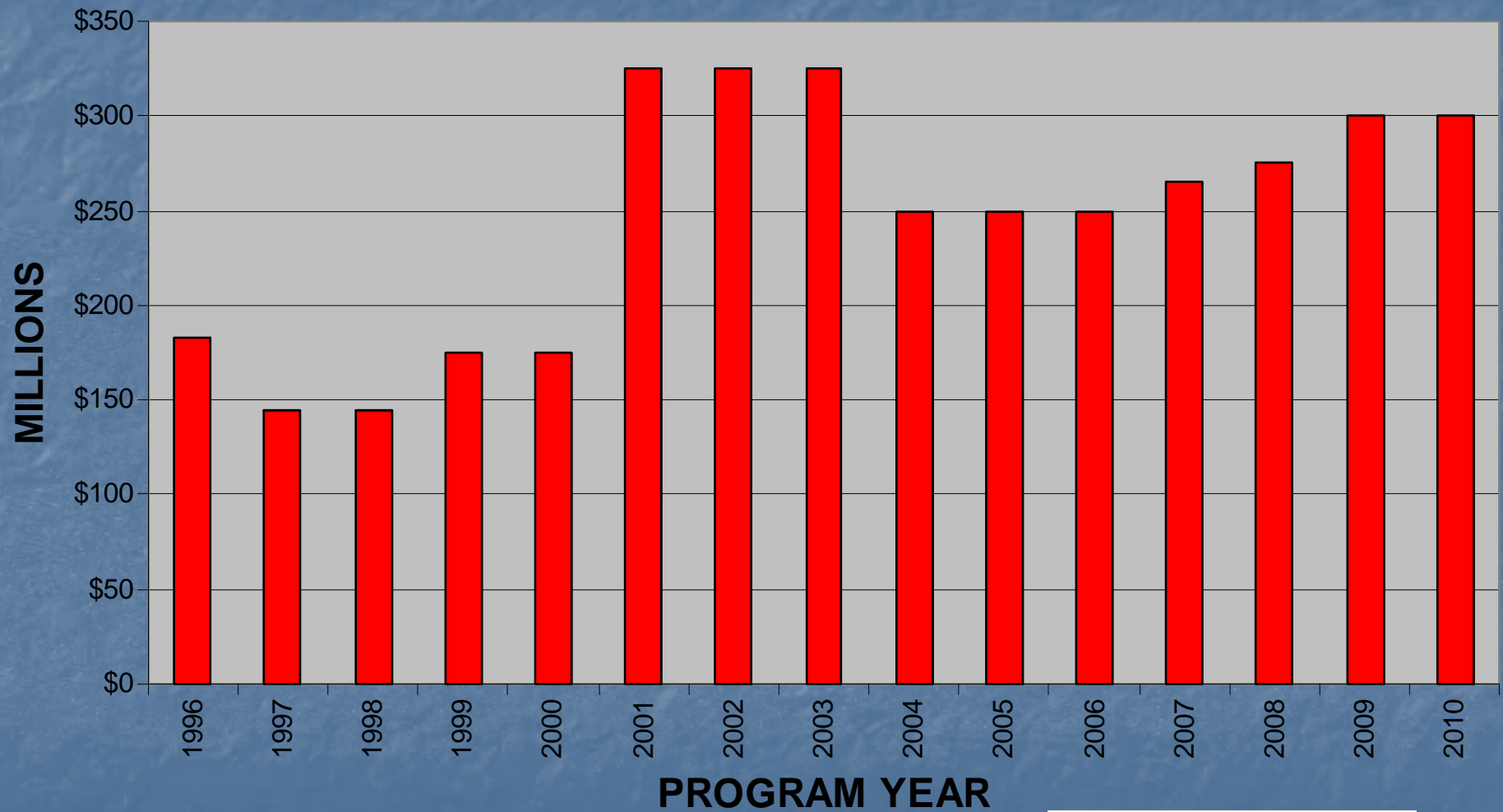
Texas Department of Transportation

- Maintain 190,357 LM
- 15 million drivers
- 460.6 million daily vehicle miles

Preserving the Infrastructure

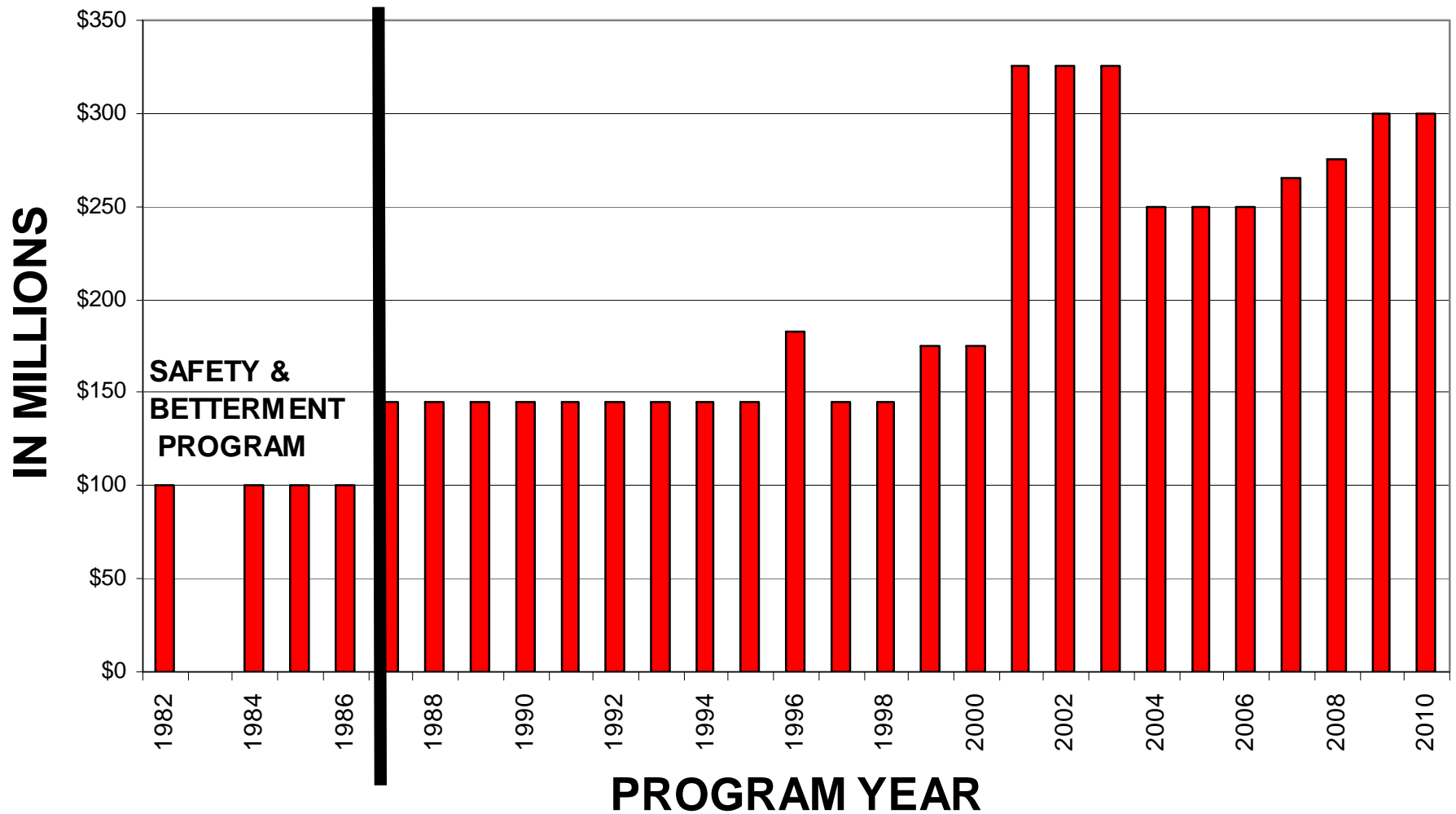
- Starts with good routine maintenance
- Timely Pavement Preservation
- Scheduled Rehabilitation

PREVENTIVE MAINTENANCE PROGRAM



PREVENTIVE MAINTENANCE PROGRAM

1987



Program Goals

- Seal Coat - all low volume highways on 7 year cycle
- Overlay- higher volume highways on 7 to 12 year cycle

What we have done

- Seal coat on about a 10 year cycle
- Overlay on higher volume roads on 10 year cycle (3-15 years) Using both Preventive Maintenance fund and Rehab Funds

Eligible Projects

- Seal Coats
- Fog Seals
- Microsurfacing
- Thin ACP Overlays ($\leq 2''$)
- Clean and Sealing Bridge Joints
- Bridge Painting
- Work necessary to prepare for above work

Maintenance? Preventive Maintenance? Or Rehab?



It is beyond routine
maintenance.

However it was only
rutted & failing in short
section





Patch or Rehab





Pavement Preparation

- Repair Potholes
- Repair Base Failures
- Spot Rehab
- Repair Edges
- Edge Seal
- Crack Seal

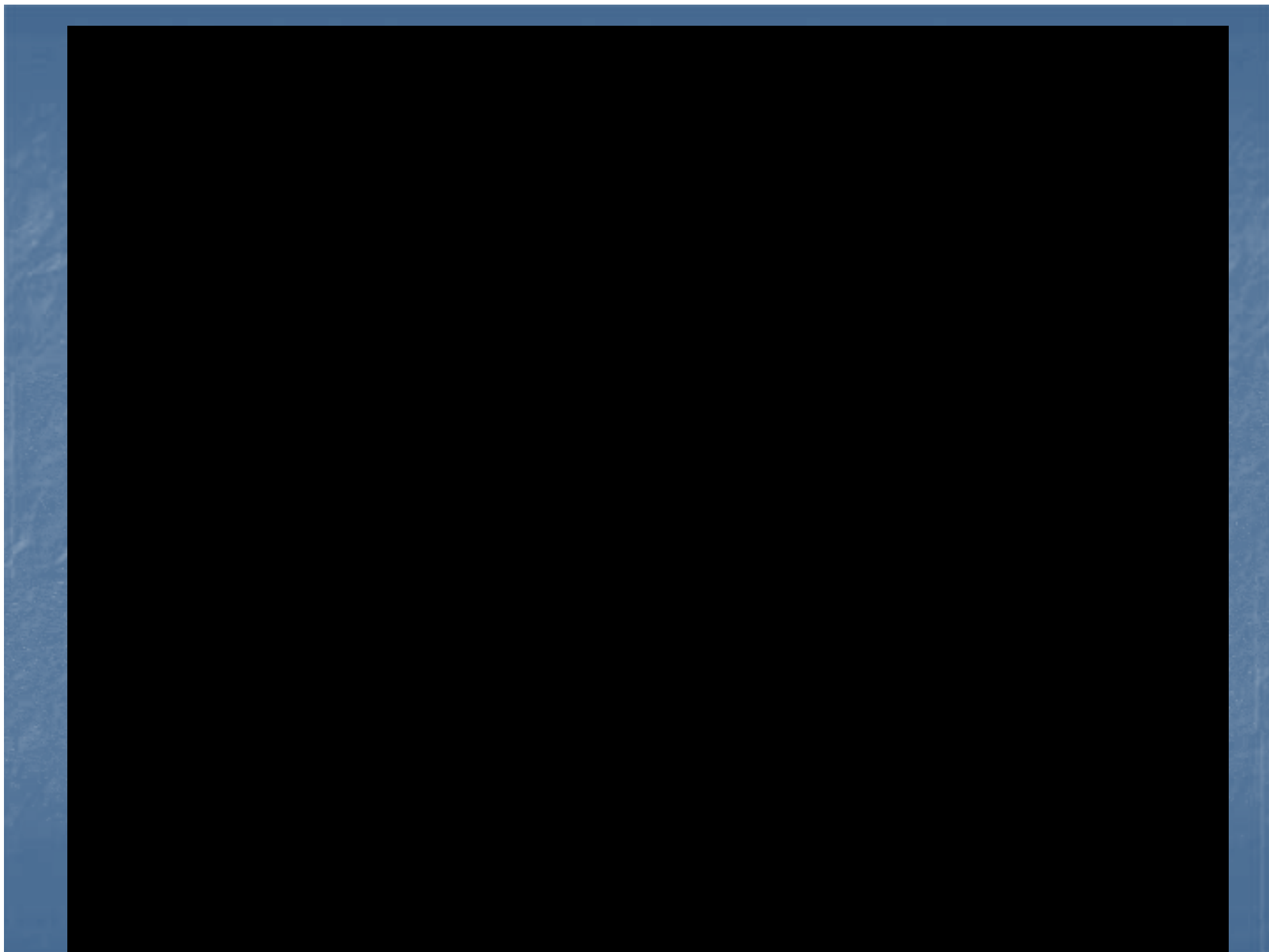
Strip Seals



What TxDOT Tries to Do

- Good planing for pavement preparation at local level and
- Good pavement preparation well in advance
- A good seal coat program or other surfacing
- Experience personnel
- Better Inspection







Questions