

# Better Roads for a Better Minnesota



Minnesota Department of  
**Transportation**



**58<sup>th</sup> Annual  
Minnesota Association of Asphalt  
Paving Technologist  
December 7, 2011**

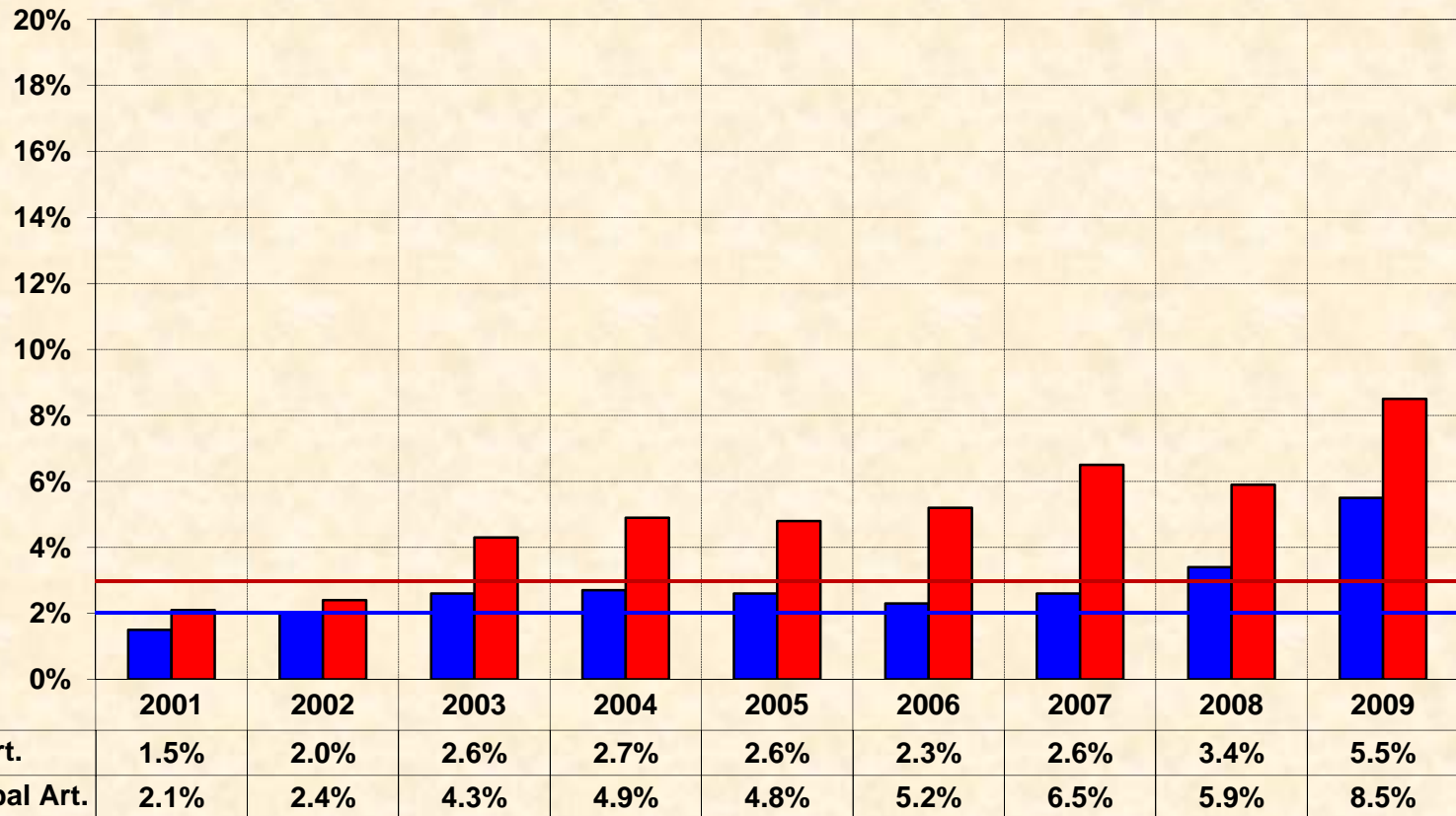
# The Problem

Pavement conditions in Minnesota  
are getting worse...



## Statewide "Poor" Ride Quality Index (miles with a Ride Quality Index (RQI) of 2.0 or less) 2001 – 2009 Data

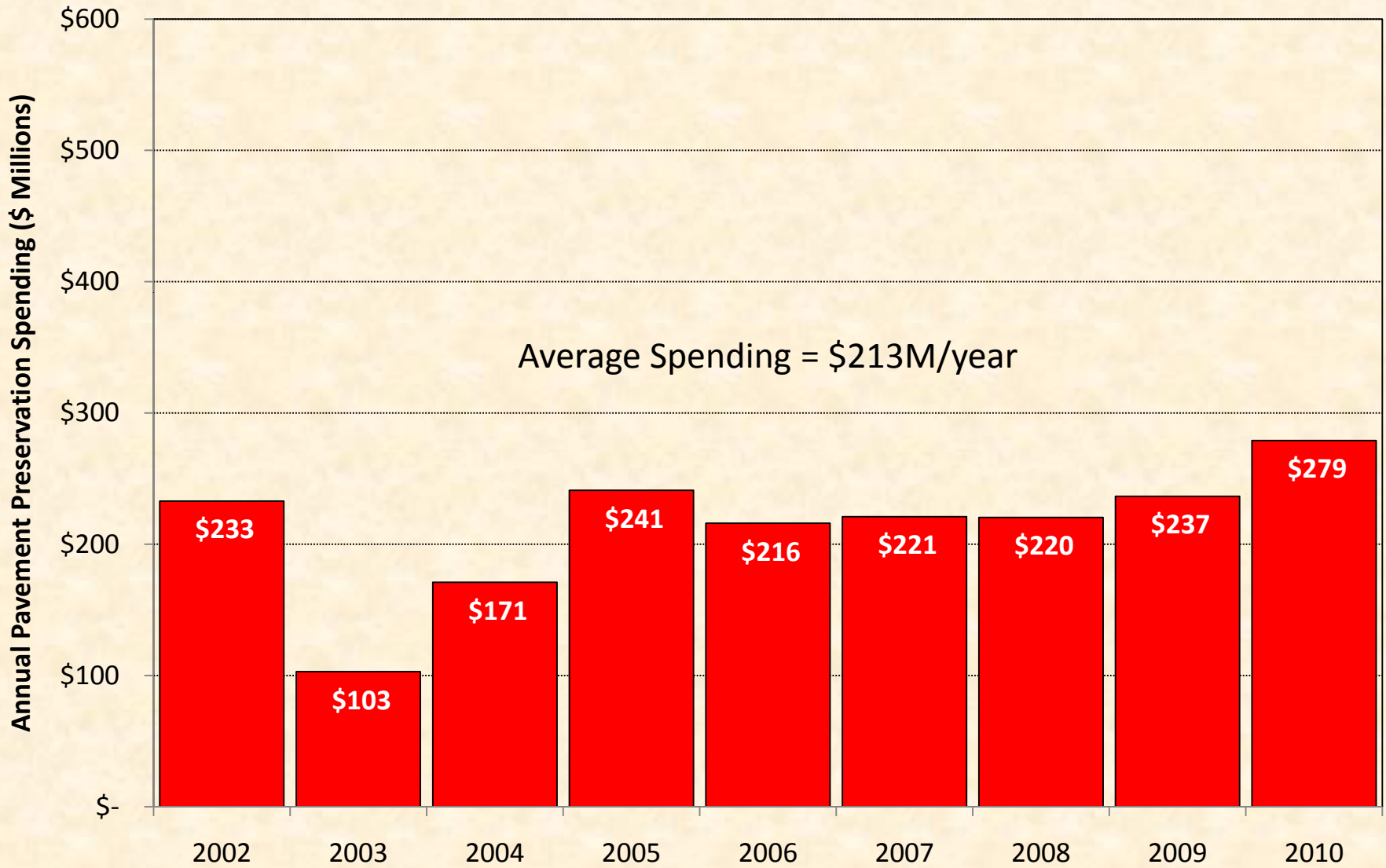
Percentage of Roadway Miles



Principal Arterial Target = 2 percent or less  
Non-Principal Arterial Target = 3 percent or less

# Pavement Preservation Spending

■ BASE PROGRAM



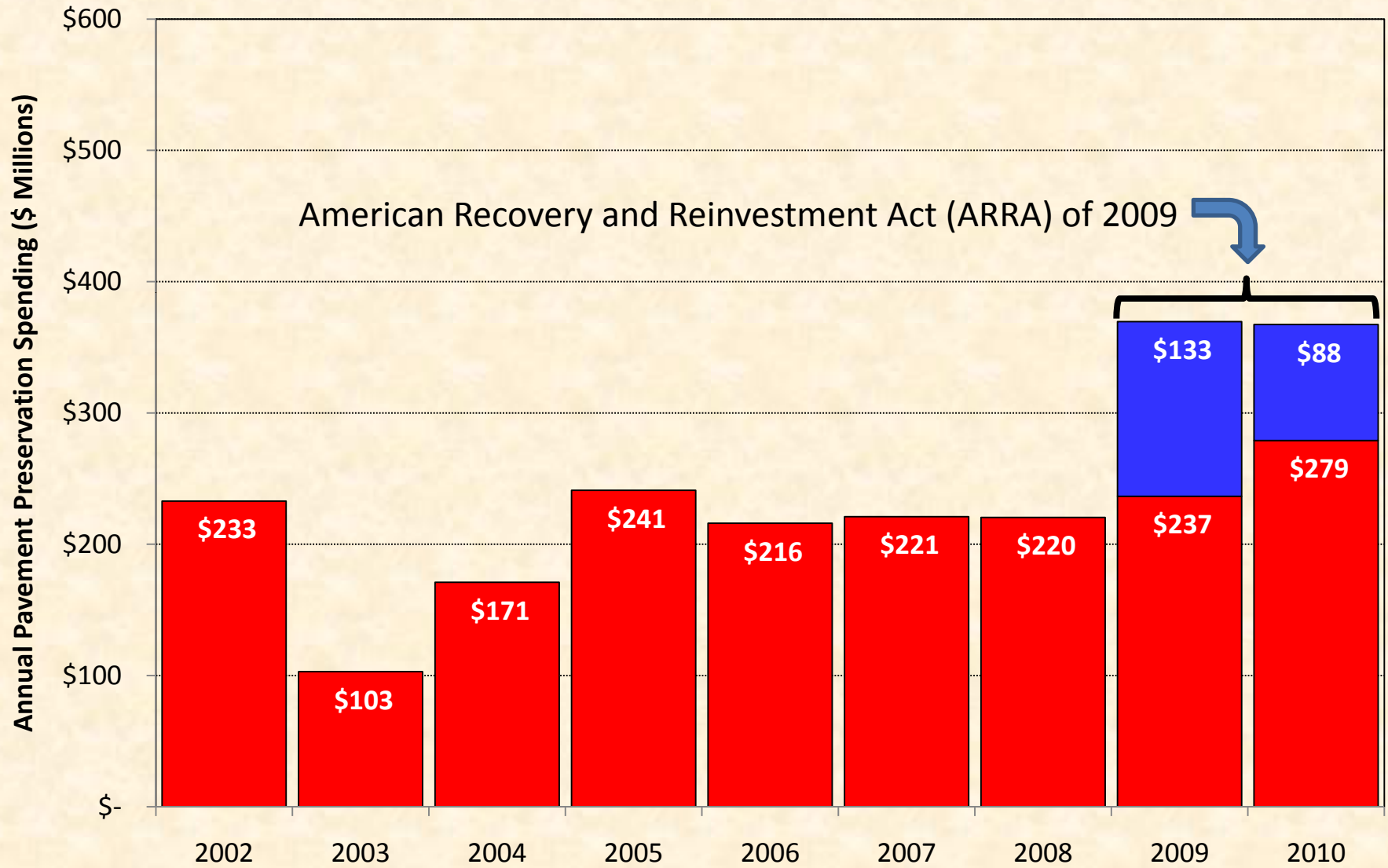
# One Solution...

Increased funding...



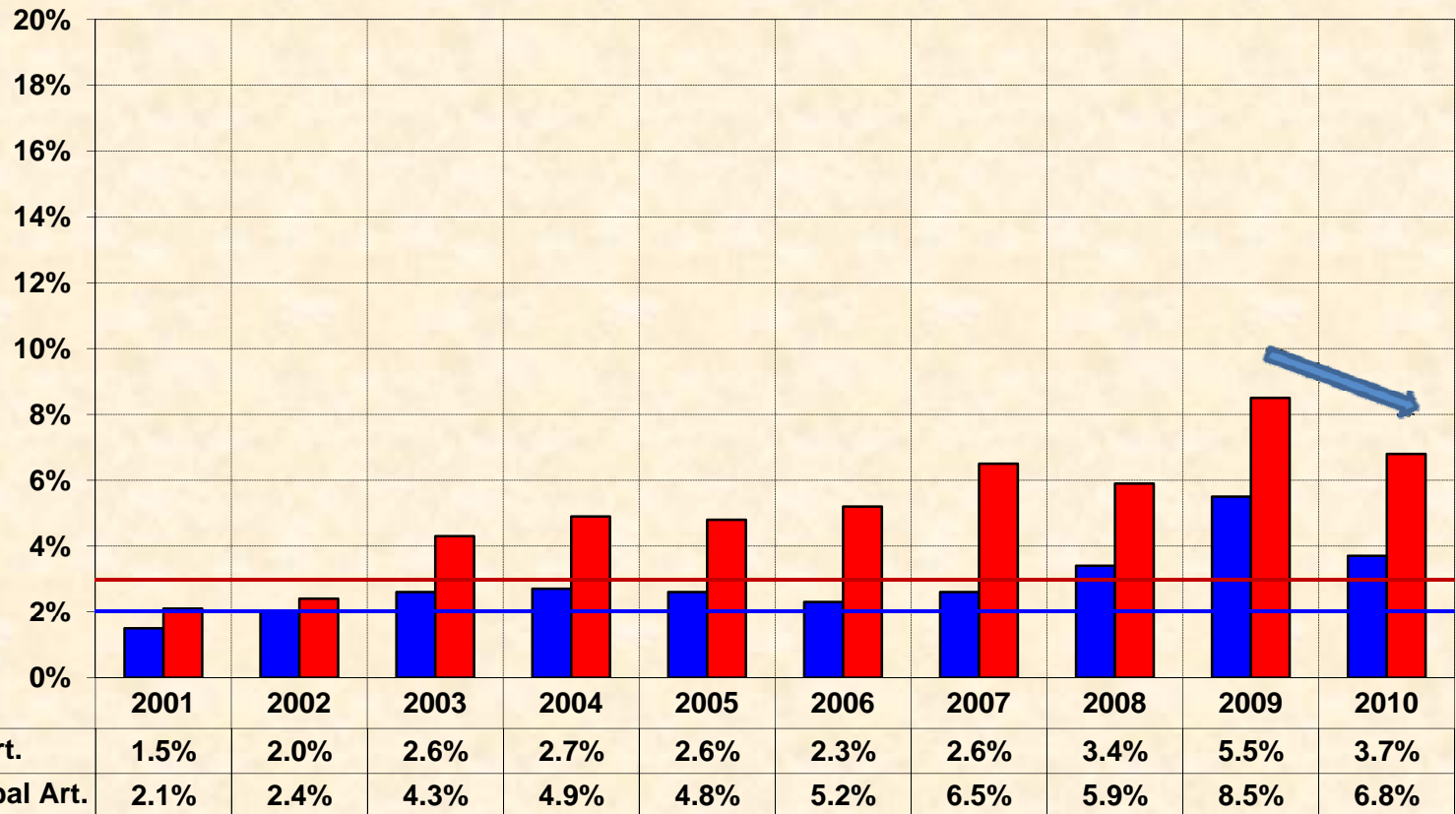
# Pavement Preservation Spending

■ BASE PROGRAM ■ ARRA



## Statewide "Poor" Ride Quality Index (miles with an RQI of 2.0 or less) 2001 - 2010

Percentage of Rated Roadway Miles



# Better Roads Program

- Significantly improve state highway pavement condition – the goal is to improve more than 700 miles of roads and reduce “Poor” pavements
- Provide pavement-focused mobility enhancements and transit advantages in the Twin Cities metro area including MnPASS expansion and shoulder hardening for transit
- Provide pavement-related improvements in the areas of safety and ADA accessibility and other work, such as drainage facilities
- Explore innovative engineering and delivery techniques to best use taxpayer dollars
- Support about 3,400 jobs in the Minnesota road construction industry

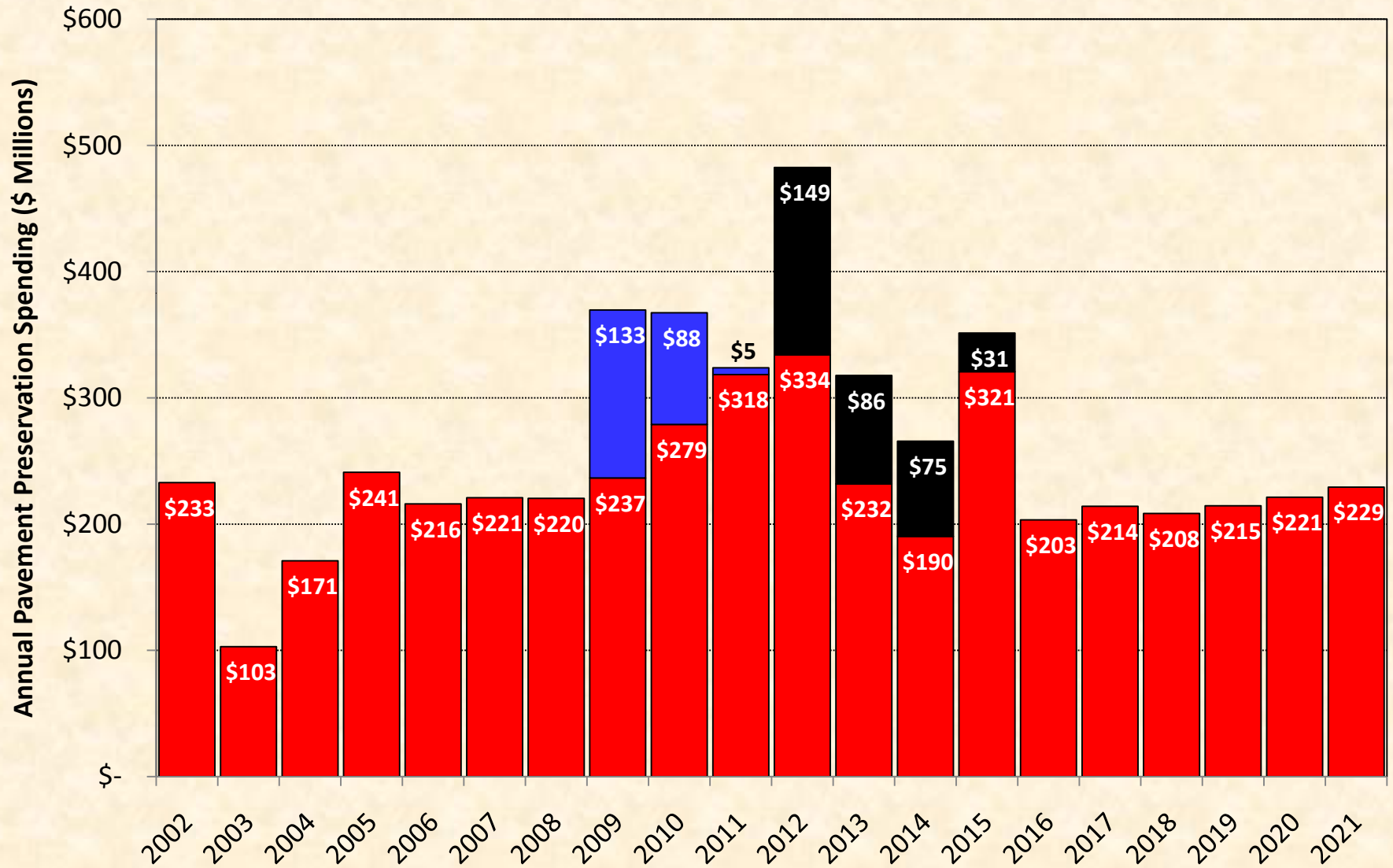
# Better Roads Summary

- The Better Roads program will invest \$357M in pavement preservation over four years. Over 700 miles of pavement will be improved as a result.

Source	FY 2012	FY 2013	FY 2014	FY 2015	Total
TH Bonds	\$68 m	\$50 m	\$35 m	-	\$153 m
TH Fund	\$56 m	\$28 m	\$25 m	\$33 m	\$142 m
Federal Funds	\$31 m	\$12 m	\$19 m	-	\$ 62 m
<b>Subtotal</b>	<b>\$155 m</b>	<b>\$90 m</b>	<b>\$79 m</b>	<b>\$33 m</b>	<b>\$357 m</b>

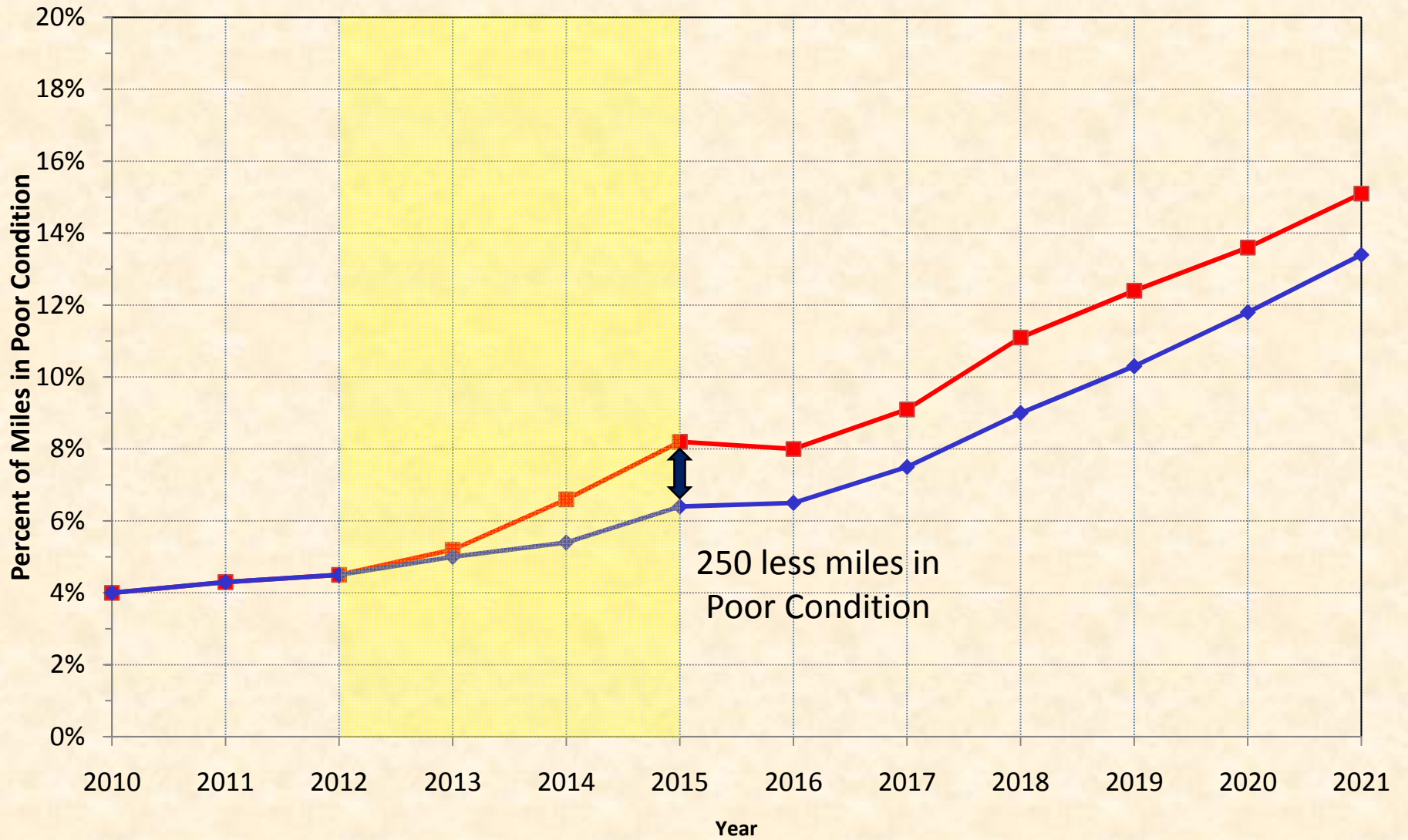
# Pavement Preservation Spending

■ BASE PROGRAM ■ ARRA ■ BETTER ROADS



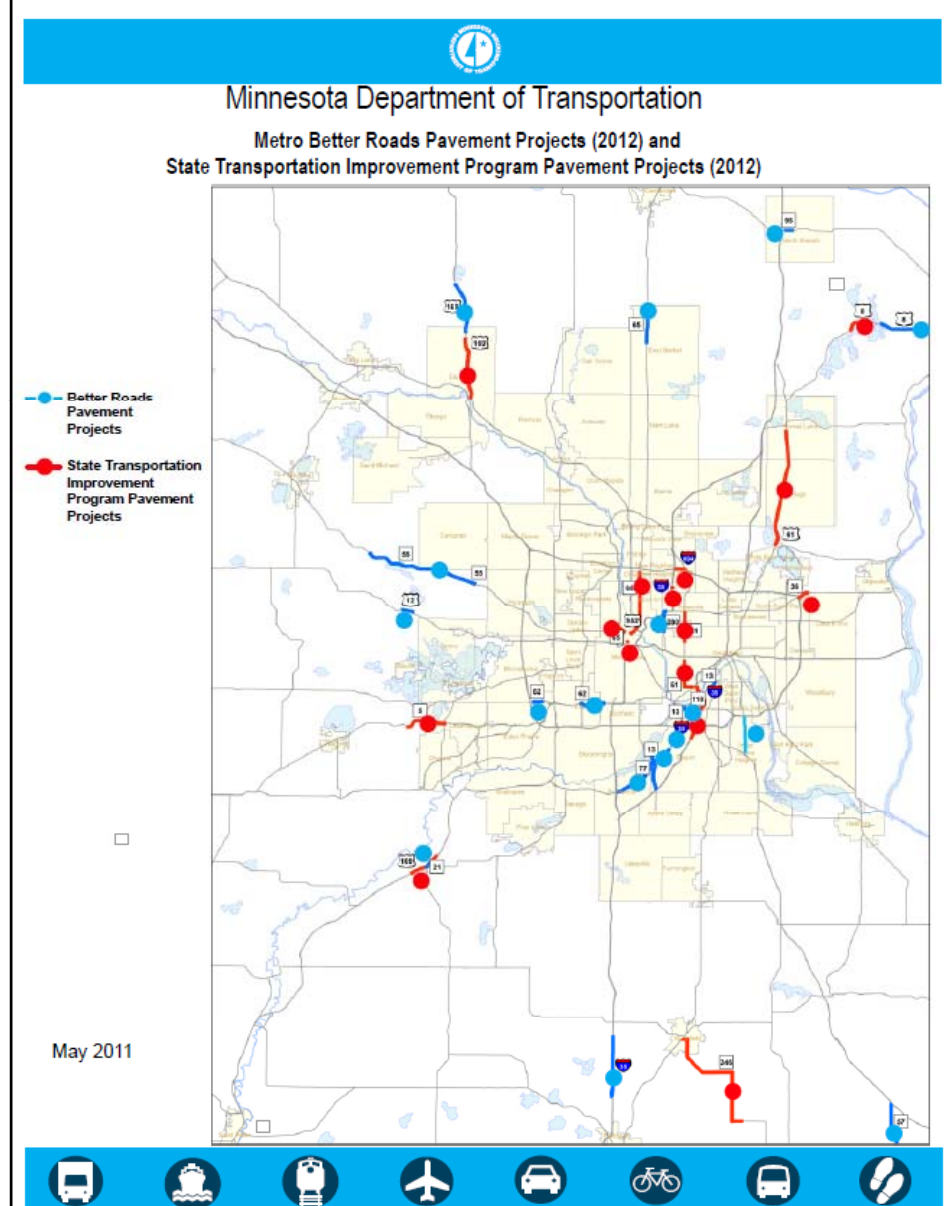
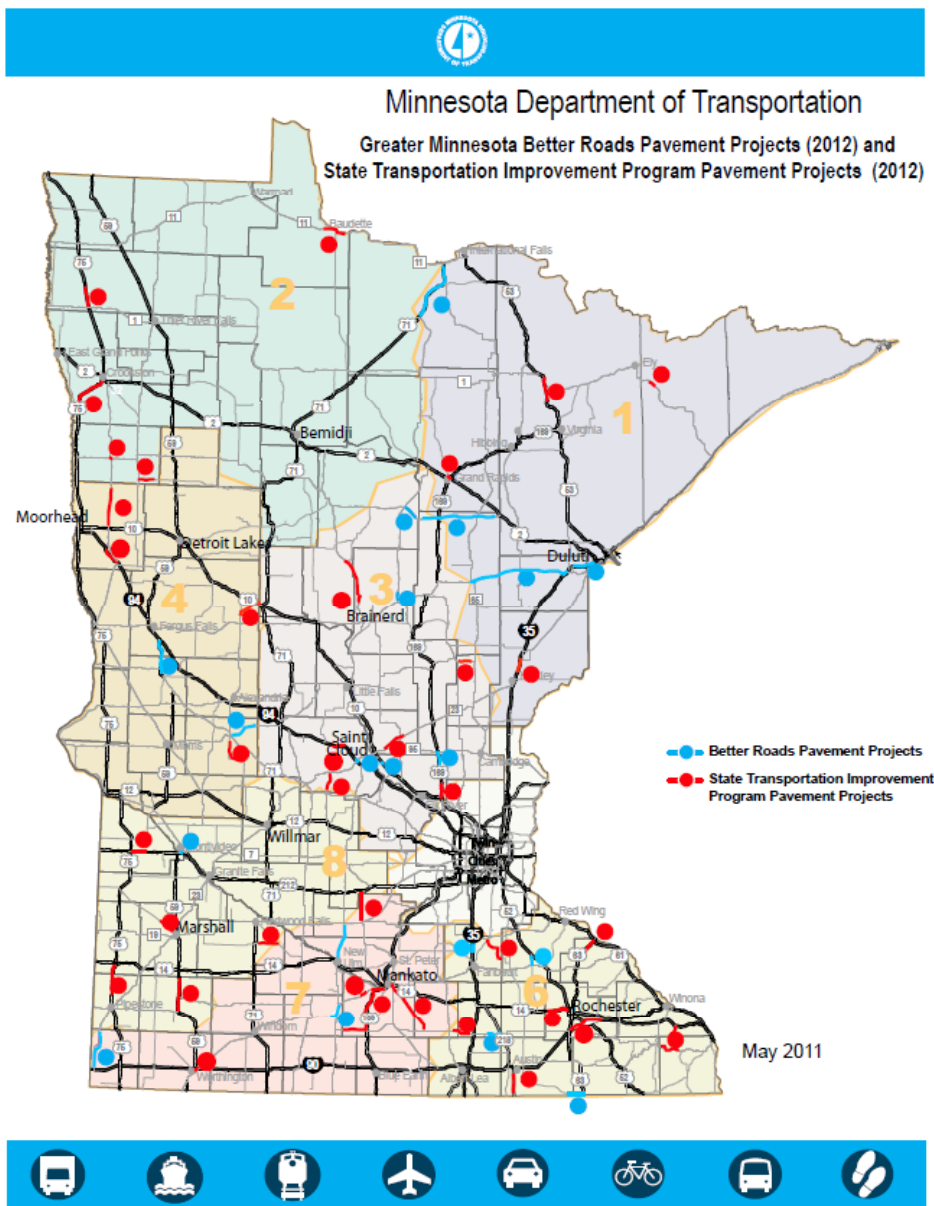
# The Impact of the Better Roads Program

—■— STIP & HIP (No Better Roads)    —◆— STIP, HIP, and Better Roads Program



# 2012 Better Roads Projects (Blue dots)

(chosen based on Need)



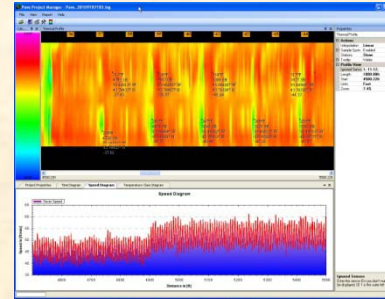
# INNOVATIONS - CURRENT

- SHINGLE RECYCLING
- WARM MIX
- SMA
- LONGITUDINAL JOINT TREATMENTS
  - FOG SEAL
  - JOINT ADHESIVE



# INNOVATIONS - FUTURE

- PAVE-IR



- INTELLIGENT COMPACTION FOR HMA



- LONGITUDINAL JOINT REHEATER



# Alternate Bid

Plan for 2012 Construction

- **1 Reconstruction Project**
- **11 Rehabilitation Projects**
  - Programmed Cost is > \$120M

# For more information:

- <http://www.dot.state.mn.us/betterroads/>

**Minnesota Department of Transportation**

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## Better Roads for a Better Minnesota

**The Need**  
State performance measures currently show that about 750 miles of trunk highway in Minnesota are classified as 'poor' condition. Without additional investment, the number of miles in 'poor' condition is estimated to increase to 1,900 by the year 2020.

[Better Roads Overview](#) (Word)  
[Better Roads Press Release](#)

**Which Roads**

Minnesota Department of Transportation  
Metro Better Roads Pavement Projects (2012) and  
State Transportation Improvement Program Pavement Projects (2012)

May 2011

[Better Roads in the Twin Cities \(PDF\)](#)

Minnesota Department of Transportation  
Greater Minnesota Better Roads Pavement Projects (2012) and  
State Transportation Improvement Program Pavement Projects (2012)

May 2011

[Better Roads in Greater Minnesota \(PDF\)](#)