

Street Maintenance and Rehabilitation in Twenty First Century

Presentation to 21st Century Taskforce

June 11, 2008

Department of Municipal Development
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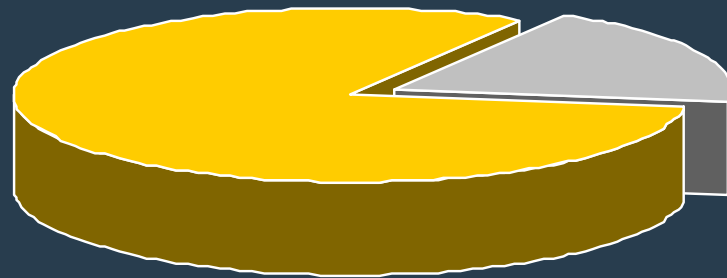
Current ¼ Cent Program What was PROMISED

- Implement \$3 million per year on Street Maintenance (Slurry Seal, Micro-surfacing, etc.)
- Implement \$10 million per year on Street Rehabilitation (Mill and Inlay or Reconstruction)
- Using this money to rehabilitate fair / poor / very poor roadways (2690 lane miles) into a “good” condition.



Street Maintenance Program

What is the FUNDING



- General Obligation Bonds
- Total Quarter Cent Tax

QUARTER CENT FUNDING IS 81% OF TOTAL PROGRAM



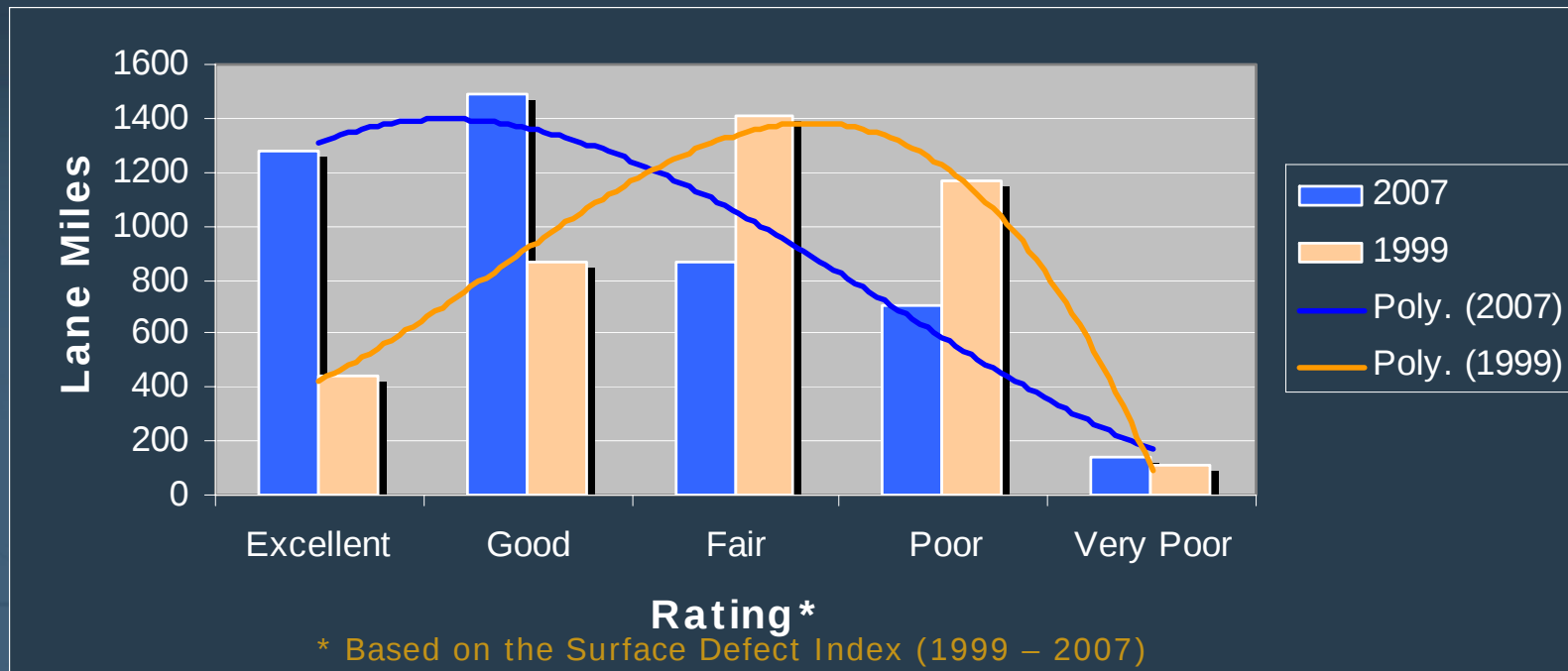
Current $\frac{1}{4}$ Cent Program

What was DELIVERED

- Since implementation of this Program in 2000, the City has used the funding to rehabilitate 2330 lane miles.
- Before 2010 the City will use available funding to rehabilitate approximately 500 additional lane miles.
- TOTAL LANE MILES MAINTAINED (est.) = 2830,
TOTAL LANE MILES PROMISED = 2690



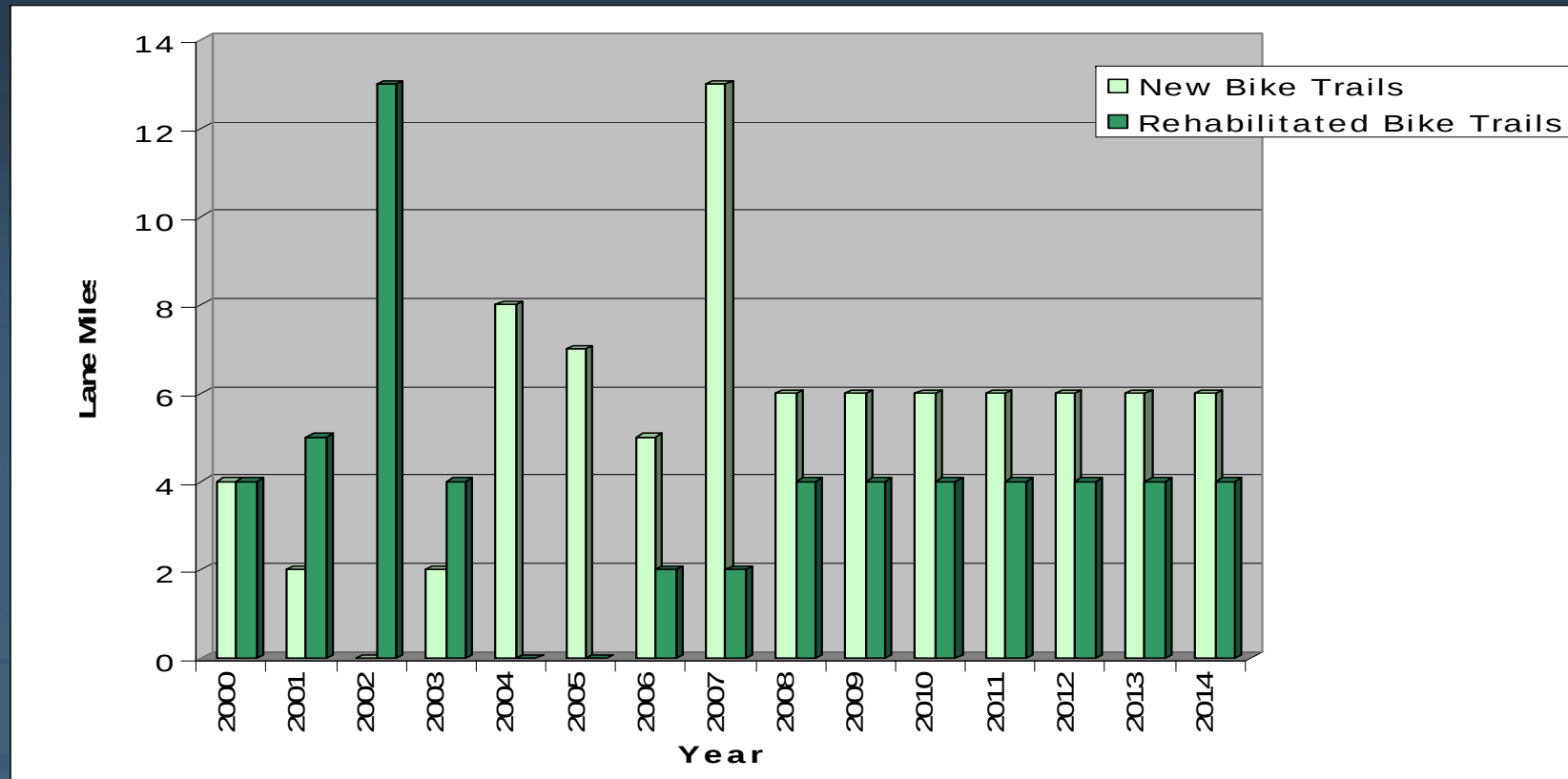
Current ¼ Cent Program What is the RESULT



THE PROGRAM IS
VERY SUCCESSFUL !!!!



New / Rehabilitated Bike Trails



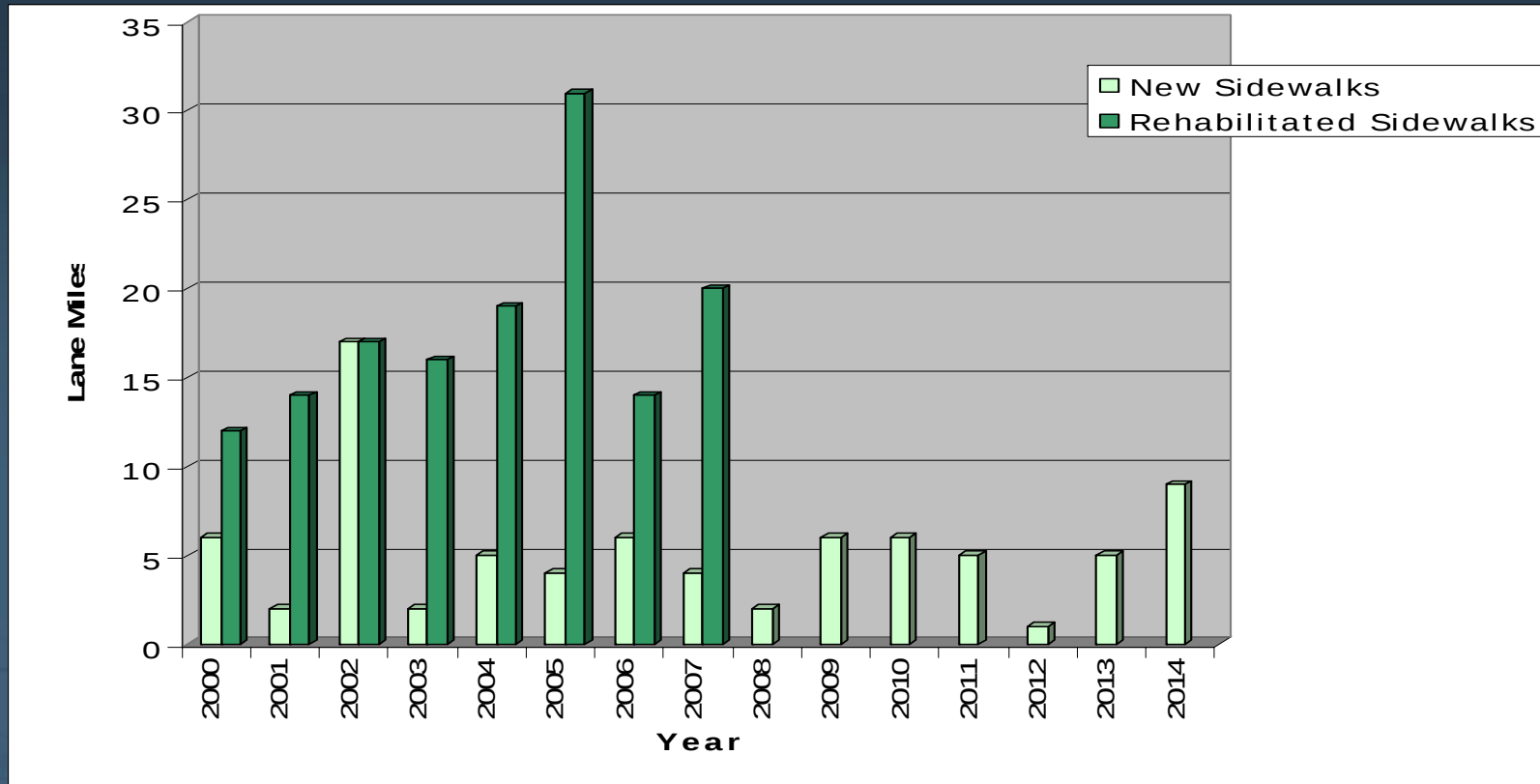
Constructed bike trail miles = 41 (\$7.8 million)

Rehabilitated bike trail miles = 30 (\$2.4 million)

Projected bike trail miles =
6 new, 4 rehabilitated per year



New / Rehabilitated Sidewalks



Constructed sidewalk miles* = 46 (\$10.4 million)

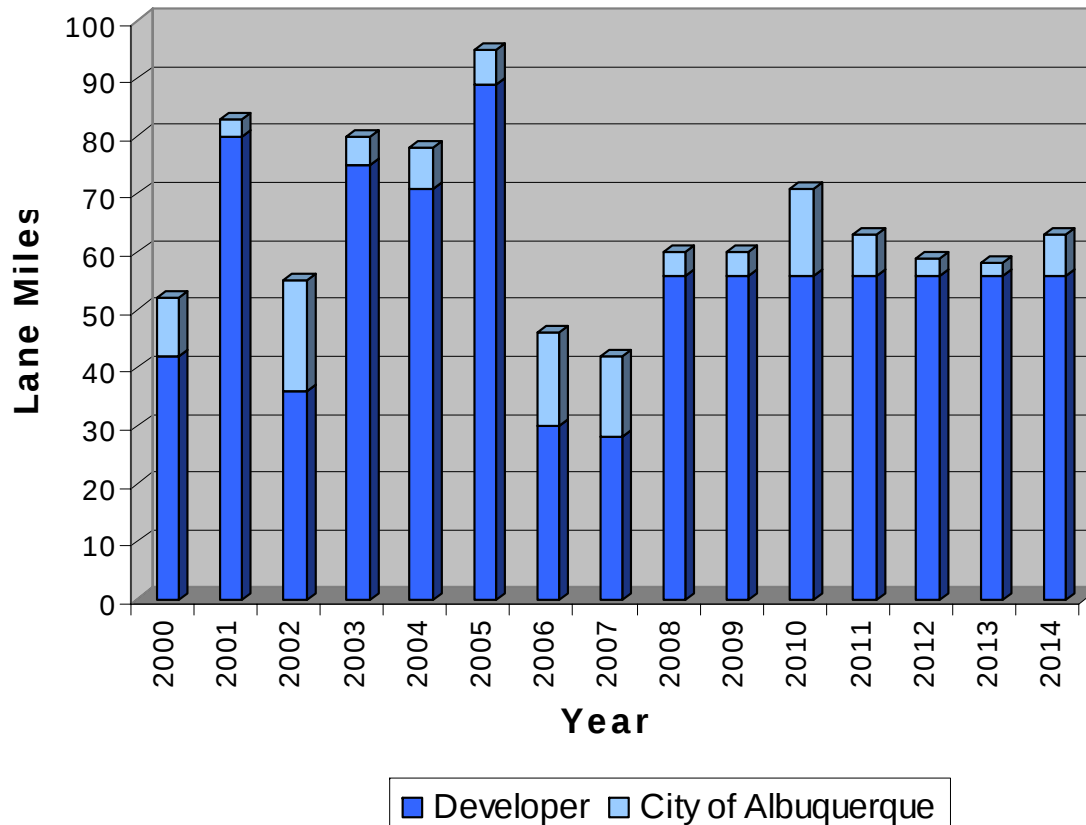
Rehabilitated sidewalk miles* = 143 (\$10.8 mil)

Projected sidewalk miles = 34 new, rehabilitated depends on future funding

* Sidewalk miles estimated by total sy of concrete installed with new construction and rehabilitation projects



New Roadway Lanes



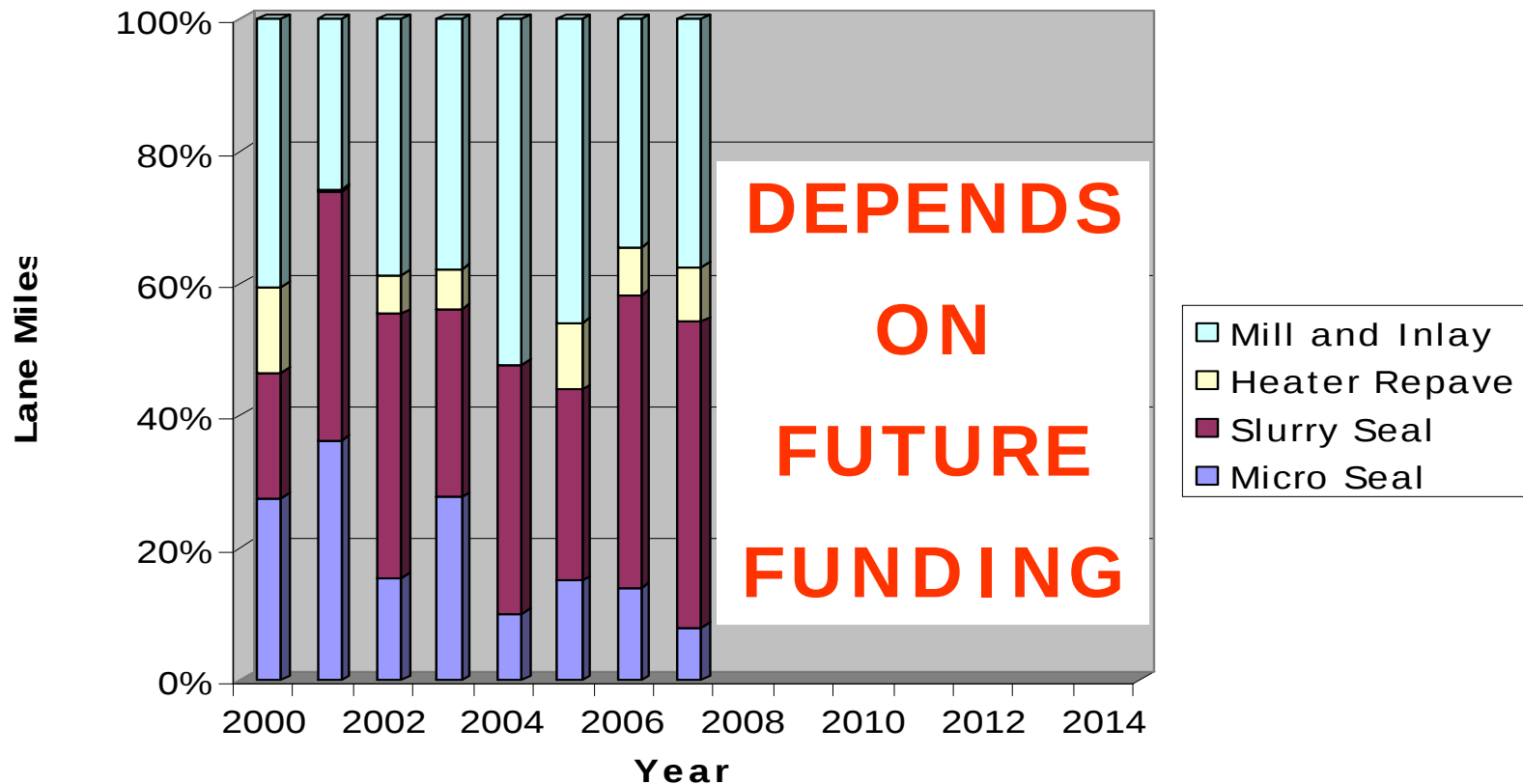
Total new miles constructed (2000–2007) = 479

Total estimated new miles (2008 – 2014) = 434

Total City investment = \$150 million



Roadway Lanes Maintained



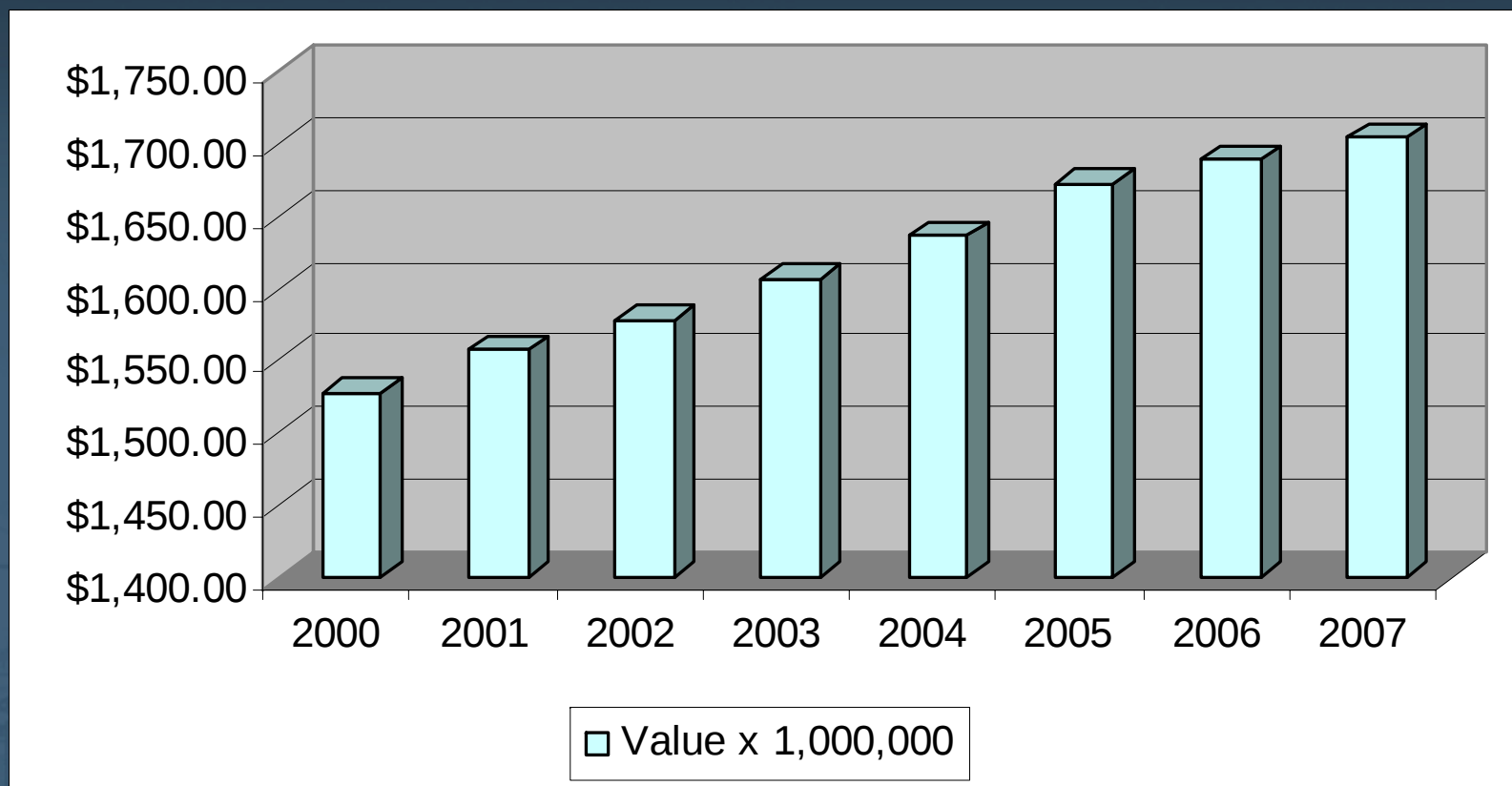
Total Lane Miles Maintained = 2333

899 Mill & Inlay, 152 Heater Repave, 810 Slurry, 472 Micro

Total Investment (00-07)=\$128 mil



Value of Current Roadway System

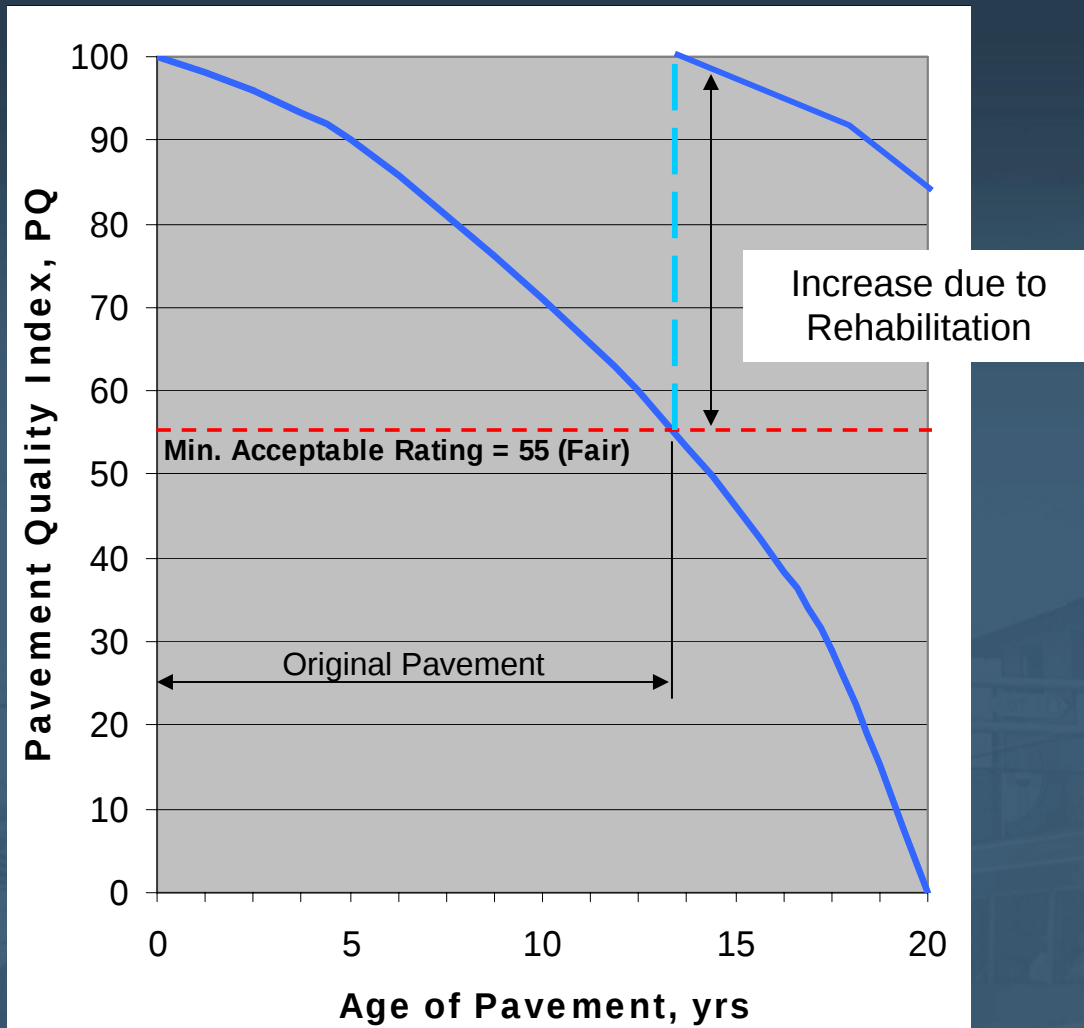


Value of current roadway system is

\$1.7 Billion



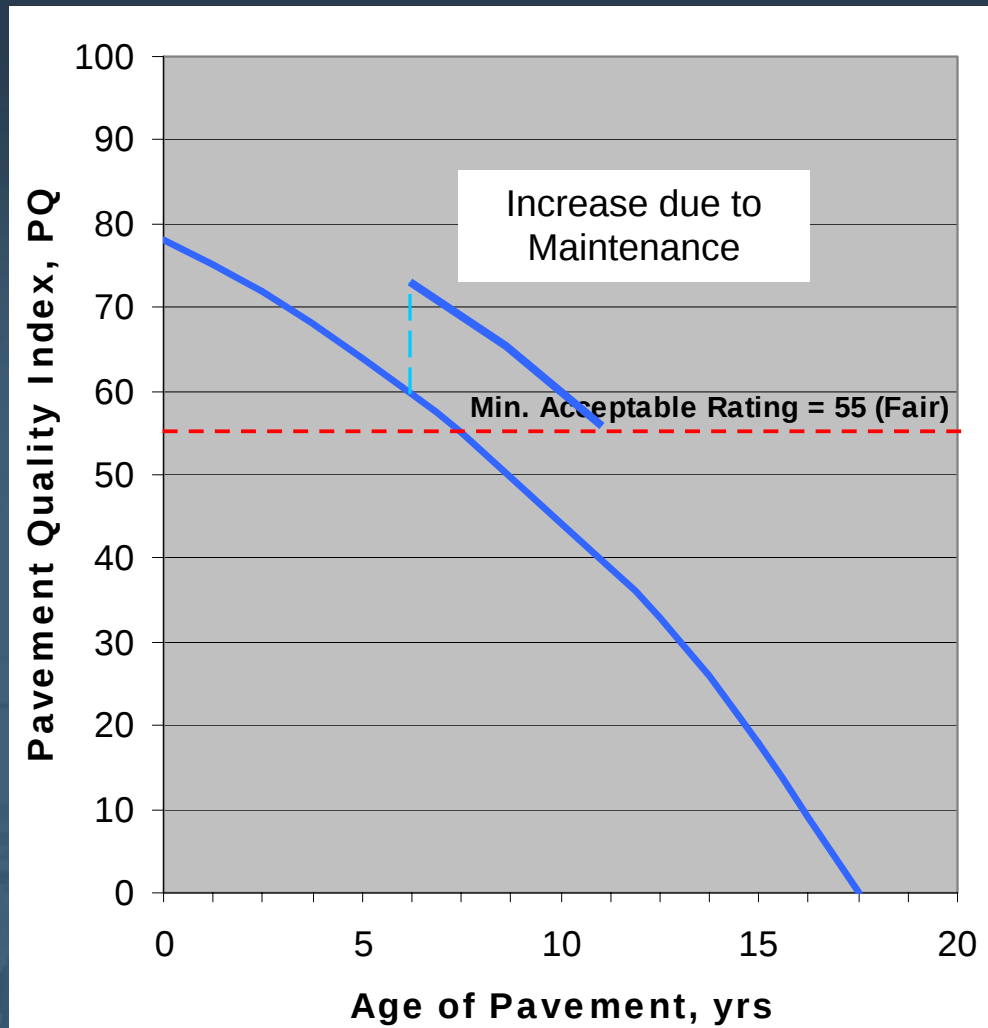
Pavement Maintenance Plan



New or
“Excellent”
rated roads
should have
only minimum
maintenance
over next 10
years (1709 out
of 4900 lane
miles)



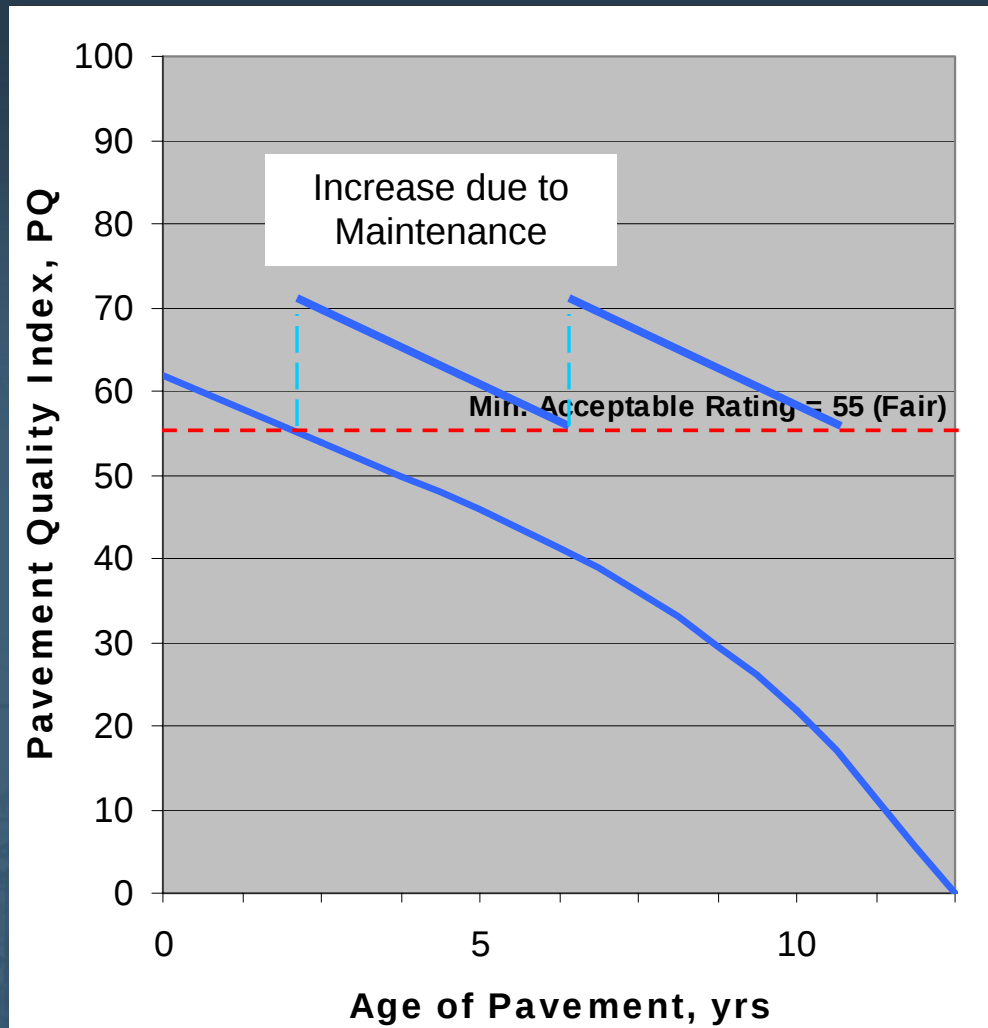
Pavement Maintenance Plan



Roads with a current rating of "good" will need a micro seal in approximately six years (1484 out of 4900 lane miles)



Pavement Maintenance Plan



Roads with a current rating of “fair” will need a micro seal or a rehabilitation in approximately two and/or six years (870 out of 4900 lane miles)



All roadways currently rated “poor” or “very poor” will need a rehabilitation in the next two to three years (839 out of 4900 lane miles)

Pavement Maintenance Plan

Summary

New and “excellent” rated roadways = 1709 lane miles with little to no maintenance need

“Good” rated roadways = 1484 lane miles with 1 maintenance cycle needed **\$8.5 Million**

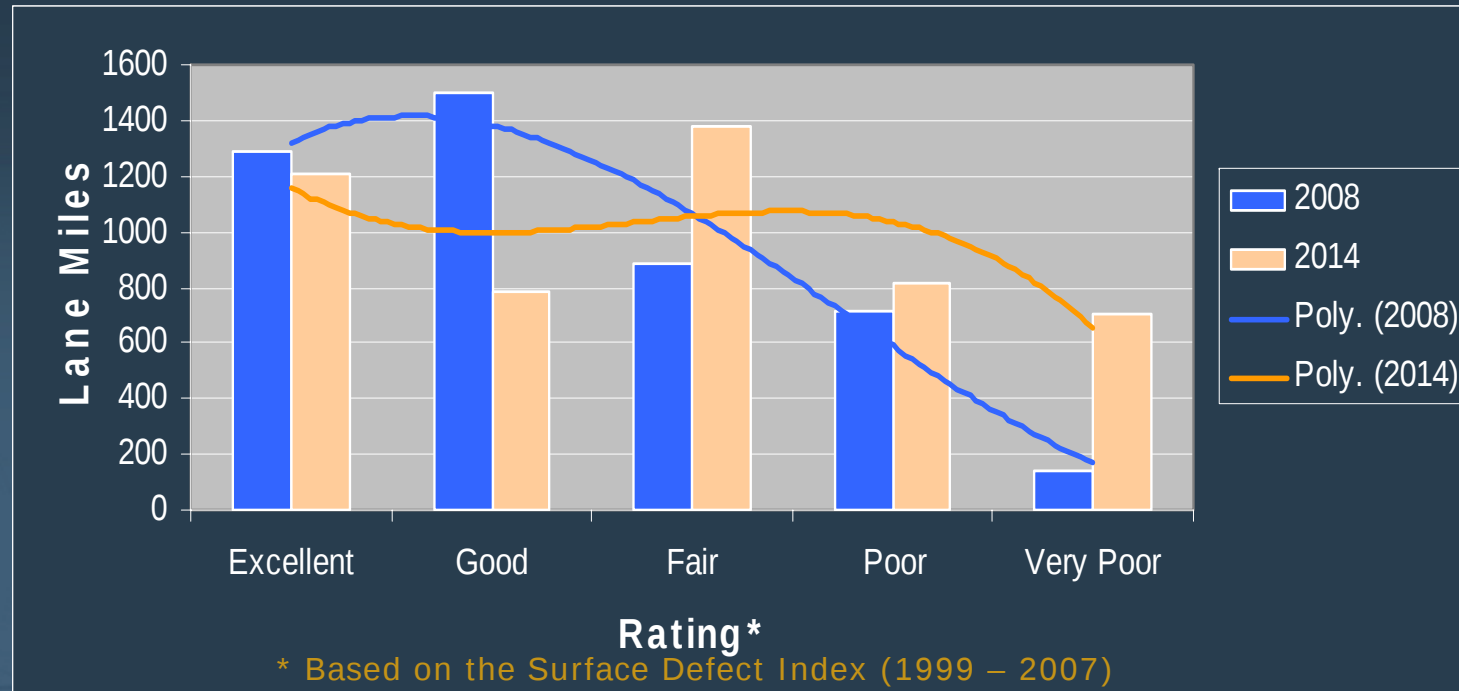
“Fair” rated roadways = 870 lane miles with 2 maintenance cycles or 1 rehabilitation cycle needed **\$42.5 Million**

“Poor” and “Very Poor” rated roadways = 839 lane miles with 1 rehabilitation cycle needed **\$142.5 Million**

Total Maintenance need \$193 Million



Pavement Maintenance Plan



Assumptions:

\$3 million per year (\$6million GO) with 4% inflation



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Thank You

