

PCI Points Lost per Year

Model for Pavement Life of 30 years

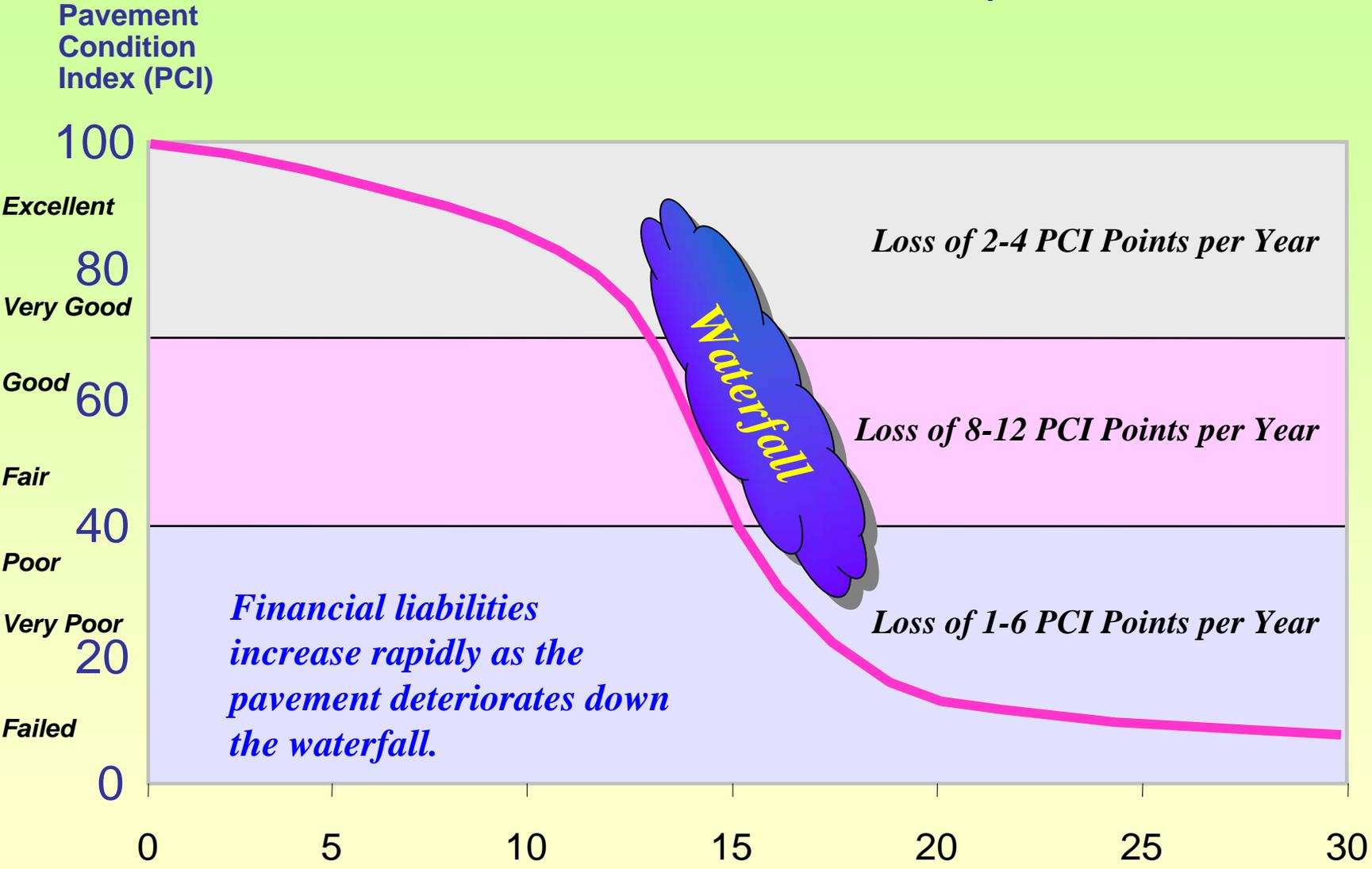


Figure 2

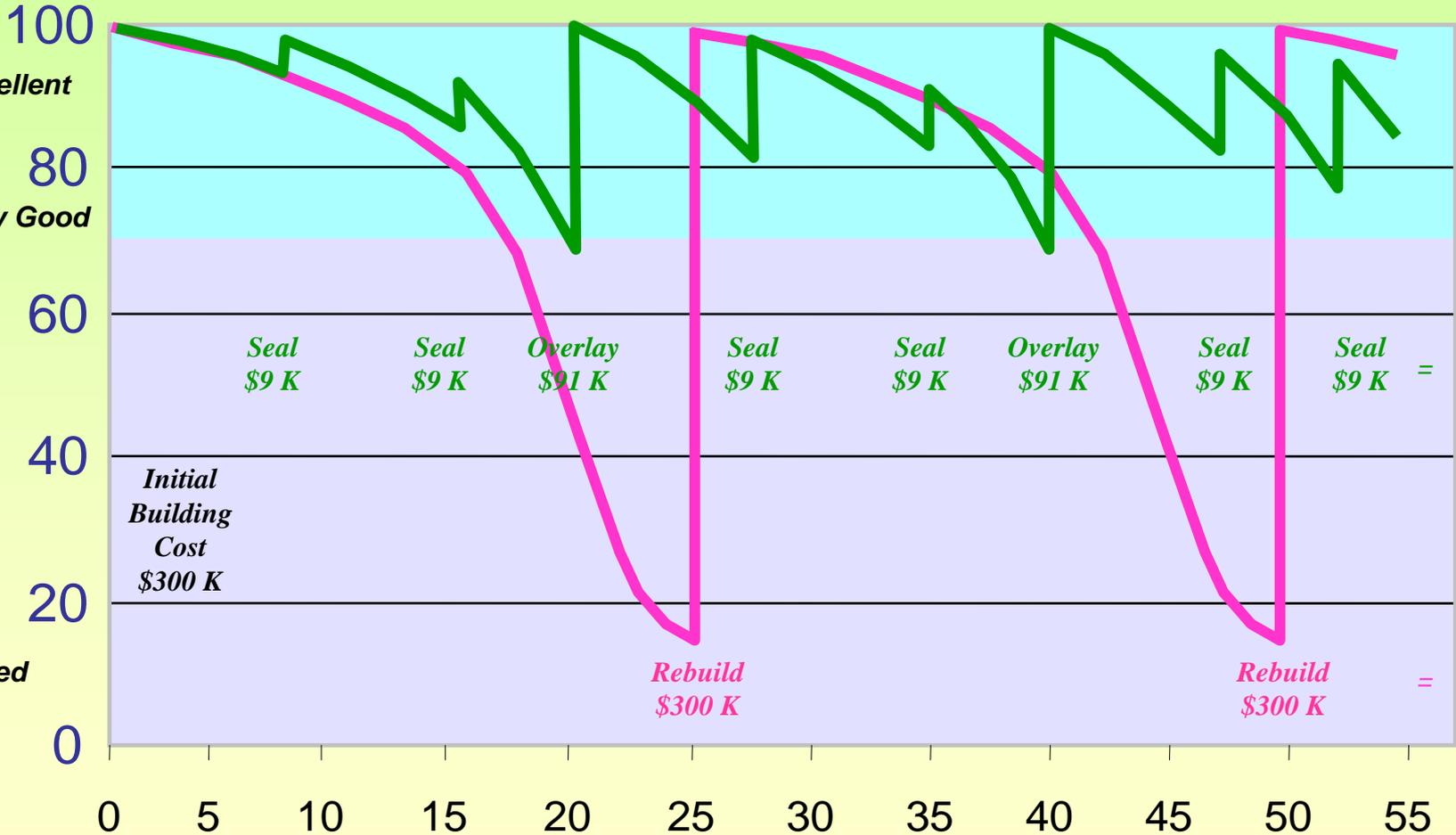


Maintained vs Non-Maintained County Road

Cost per Mile for 2 Lane Road Over 55 years

Pavement Condition Index (PCI)

Maintained Non-Maintained



Maintained
 Total = \$236 K
 Life Avg. PCI = 90

Non-Maintained
 Total = \$600 K
 Life Avg. PCI = 76

The poorer the road, the greater the liability.

Years

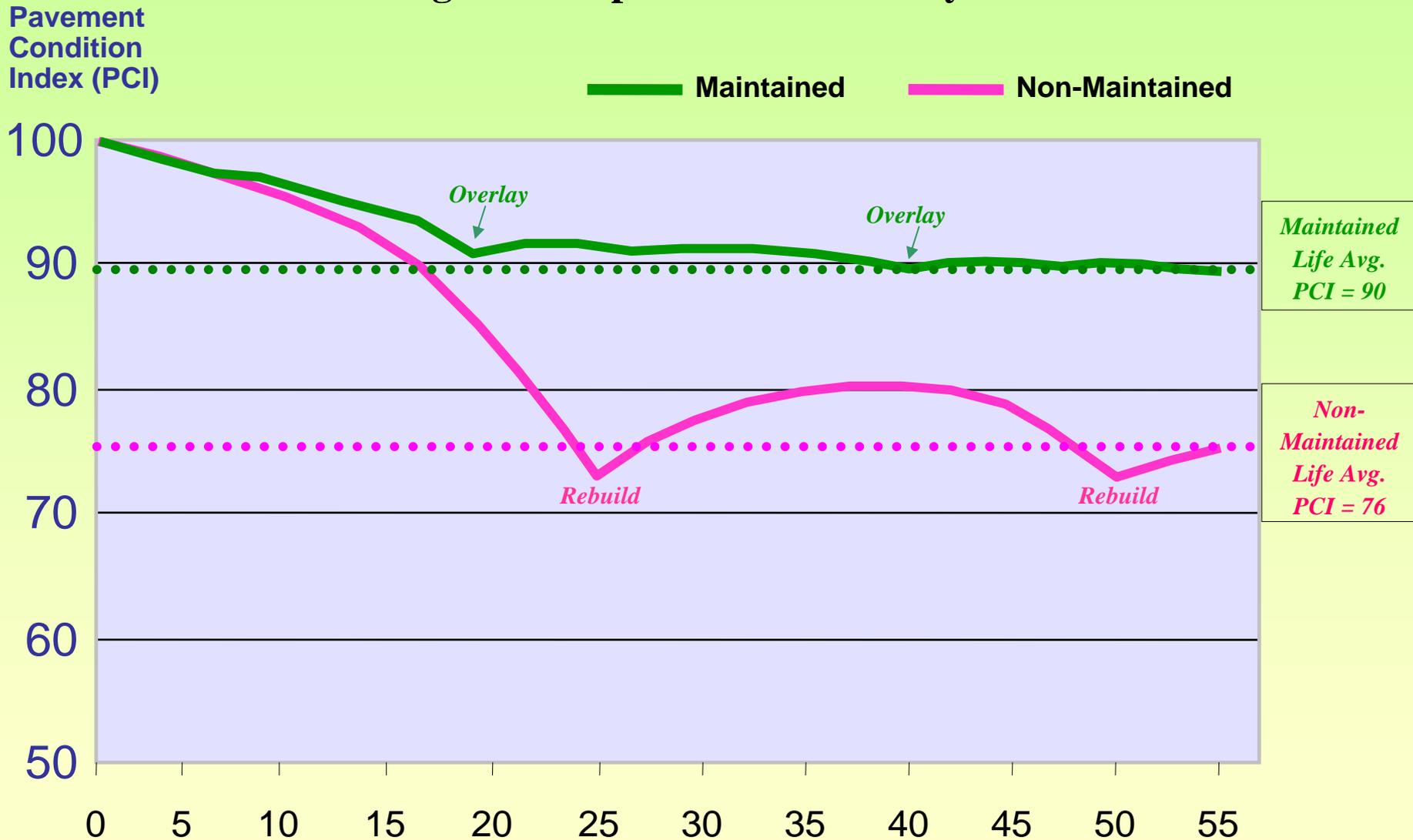
Multnomah County, Oregon
 DCS – Transportation – Road Services

Figure 3



Maintained vs Non-Maintained County Road

Average PCI Experienced Over 55 years



Years

Figure 4

Multnomah County, Oregon
DCS – Transportation – Road Services

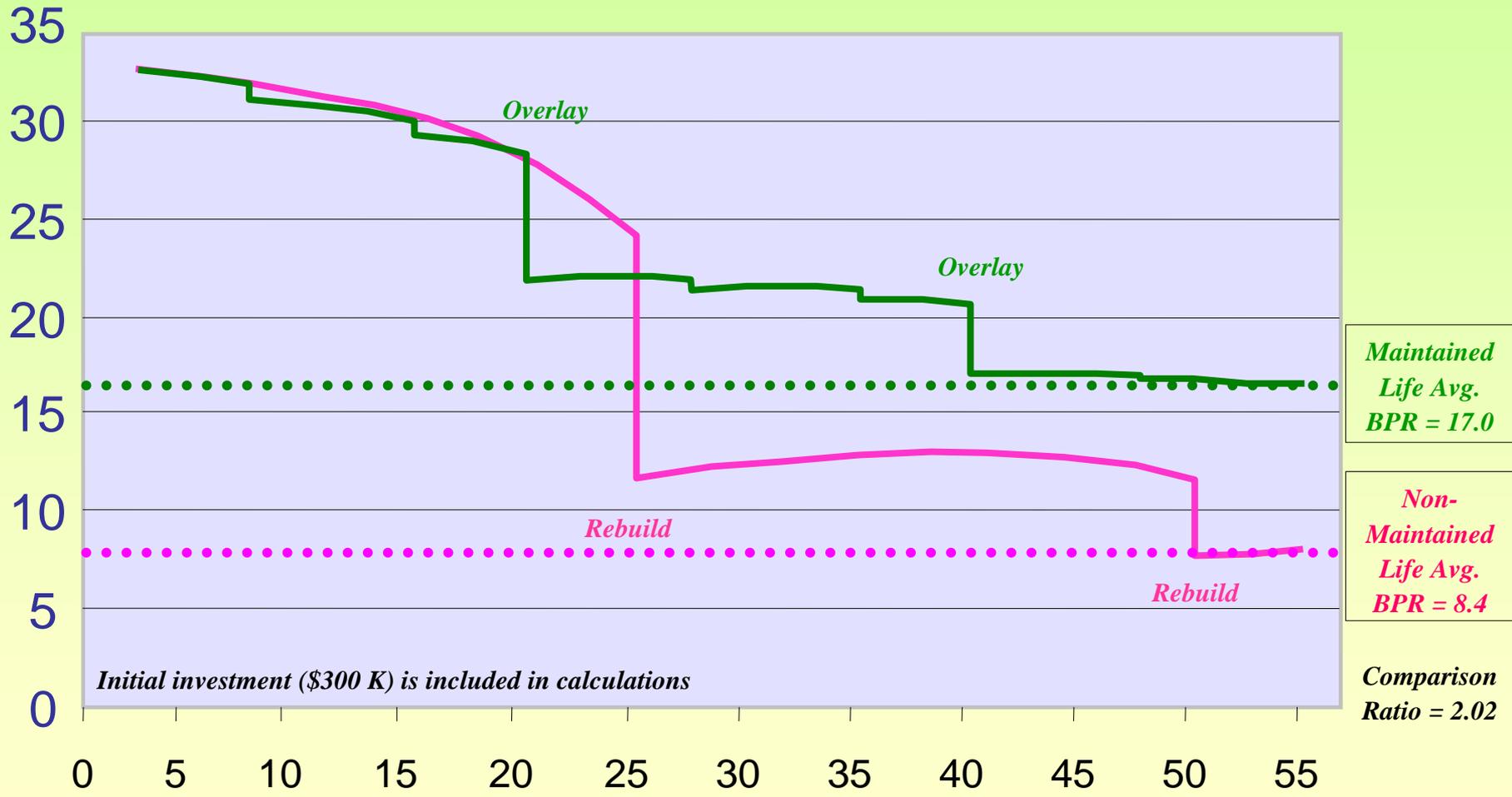


Maintained vs Non-Maintained County Road

Average PCI Experienced per Dollar Spent Over 55 years

Buying Power Ratio* (BPR)

Maintained Non-Maintained



Initial investment (\$300 K) is included in calculations

Maintained Life Avg. BPR = 17.0

Non-Maintained Life Avg. BPR = 8.4

Comparison Ratio = 2.02

* Buying Power Ratio = Avg. PCI Mile / \$100,000 Invested

Years
Figure 5

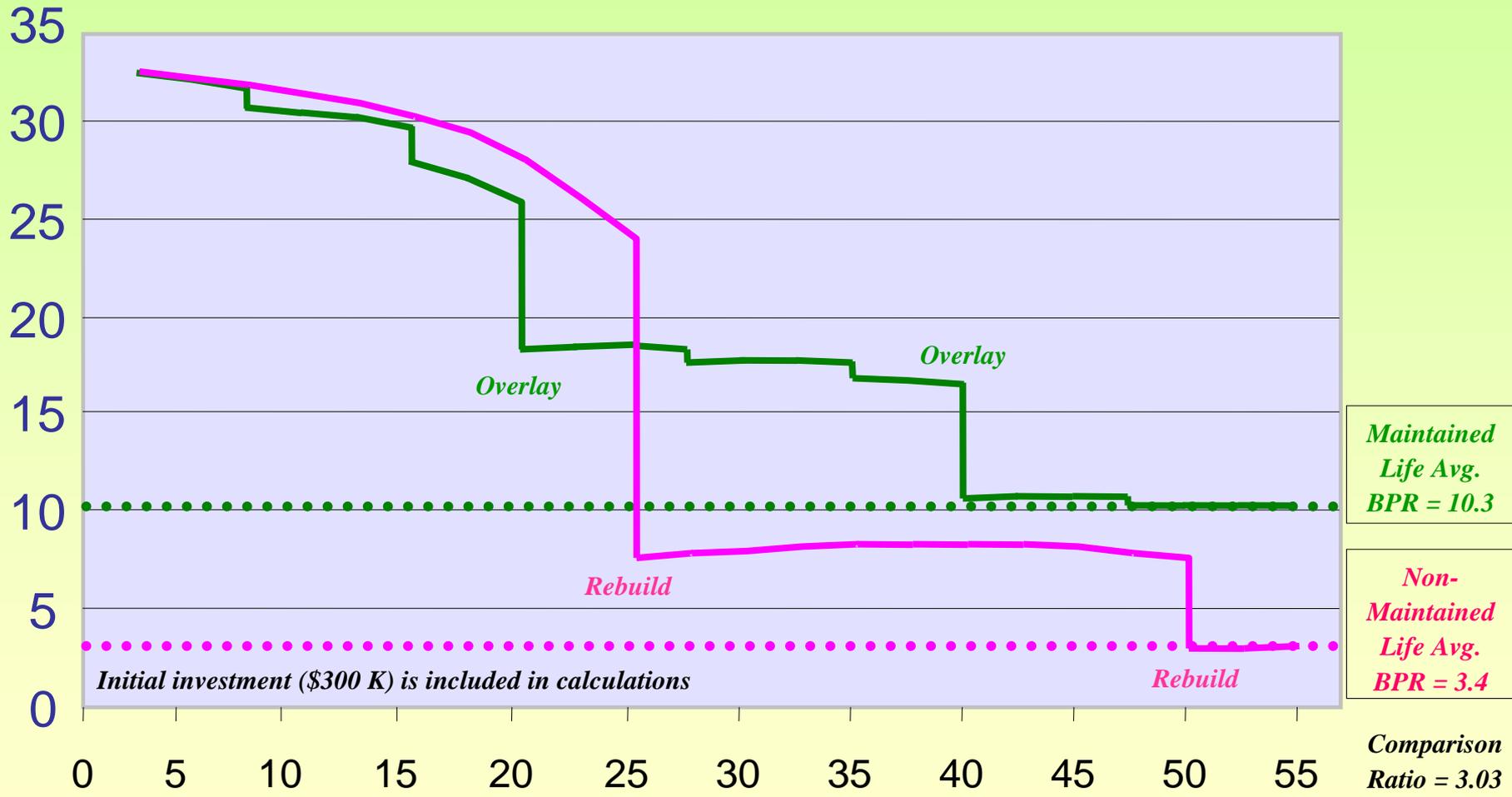


Maintained vs Non-Maintained County Road

Average PCI Experienced per Dollar Spent Over 55 years
(Inflated at 3% Annually)

Buying Power Ratio* (BPR)

Maintained Non-Maintained



Maintained Life Avg. BPR = 10.3

Non-Maintained Life Avg. BPR = 3.4

Initial investment (\$300 K) is included in calculations

Comparison Ratio = 3.03

* Buying Power Ratio = Avg. PCI Mile / \$100,000 Invested

Years
Figure 6

