

IMPACT OF RECLAMITE

Three Eastern Tennessee roads of varying construction years had a section treated with Reclamite® approximately one year after paving. An adjacent untreated control section ensured both segments experienced identical traffic loading, environmental exposure, etc. to isolate the performance of the treatment.

+6.5 YRS

AVG. SERVICE LIFE EXTENDED

203%

AVG. ROI ACROSS 3 ROADS

\$19K

AVG. NET BENEFIT PER LANE MILE

THE TREATMENT

WHAT IS RECLAMITE?

An asphalt rejuvenator applied early on in a road's life, before oxidation accelerates. It penetrates the pavement matrix to restore binder chemistry and slow aging from the inside out.

- Replaces maltenes lost to oxidation, restoring binder flexibility
- Provides an in-depth seal to reduce water intrusion
- Applied well before structural degradation begins



WHY ACT EARLY

THE CASE FOR EARLY PRESERVATION

- 1 Delay your most expensive cycle**
Study roads deferred mill & overlay by 7+ years, at a fraction of rehab cost
- 2 ROI grows as construction costs rise**
Due to Reclamite's low inflation growth, costs did not surge

PERFORMANCE DIFFERENCE

TREATED PAVEMENT FOLLOWS A DIFFERENT DETERIORATION CURVE

KEY FINDINGS

~30-40%

Slow condition decline during early oxidation phase, gap widens as road ages

+5.8 PCI

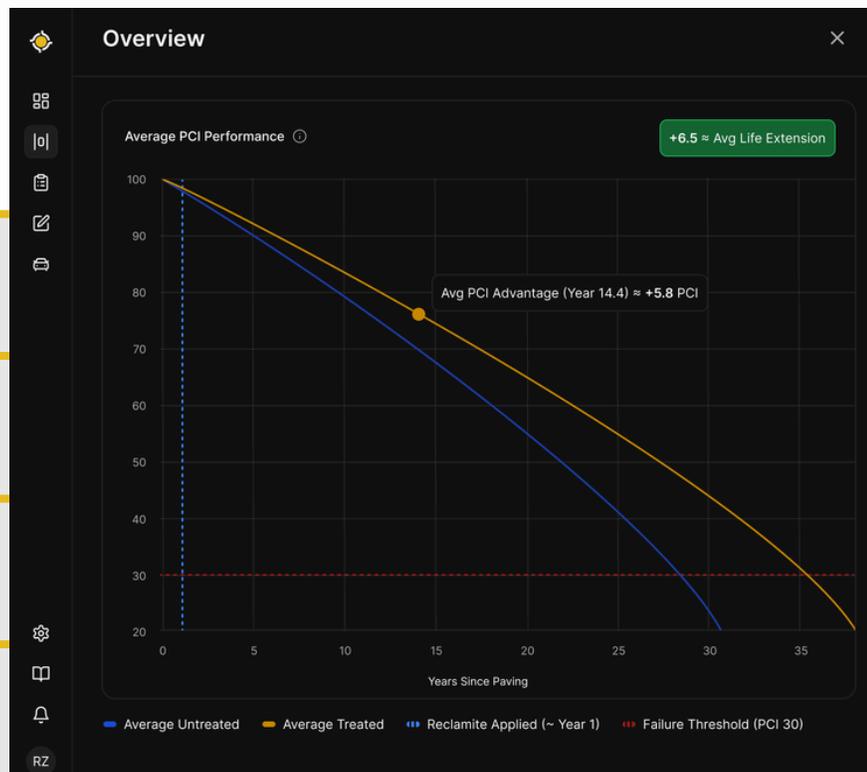
Higher condition rating at midlife, visibly less cracking, raveling, & surface breakdown

+6.5 YRS

More time before preservation options narrow, leaving a wider planning window

CONSISTENT

Results held across roads paved in 1998, 2002, and 2022



ROAD RESULTS & SUPPORTING DATA

PERFORMANCE SUMMARY

ALL THREE ROADS Values shown are in 2026 Net Present Value.

ROAD	PAVED / TREATED	LIFE EXTENSION	PCI ADVANTAGE (2025)	DEFERRED REHAB VALUE	NET BENEFIT PER LANE MILE	ROI
Verona Lane	1998 / 1999	+8.6 Yrs	+11.2 PCI	\$27,877	\$18,725	205%
Monterey Road	2002 / 2003	+6.2 Yrs	+12.2 PCI	\$23,332	\$14,180	155%
Colonial Drive	2022 / 2023	+4.6 Yrs	+0.8 PCI	\$36,296	\$27,144	297%
Average	-	+6.5 Yrs	+8.1 PCI	\$27,726	\$18,574	203%

RESTORATION YOU CAN SEE ON ROADS

HOW DOES RECLAMITE AFFECT PAVEMENT VISUALLY?

VERONA LANE



The treated side has visibly less raveling, weathering, and road noise compared to the untreated lane.

MONTEREY ROAD



The treated lane shows less cracking, surface breakdown, and a smoother ride quality compared to the untreated lane.

COLONIAL DRIVE



Field observations after rainfall showed improved sealing and reduced moisture intrusion in the treated pavement.

DETERIORATION RATE BY LIFECYCLE STAGE

HOW MUCH SLOWER DOES TREATED PAVEMENT DECLINE?

ROAD	0-5 YRS	5-10 YRS	10-15 YRS	15-20 YRS
Average	25% ↓	34% ↓	38% ↓	31% ↓

STUDY CREDIBILITY

WHY YOU CAN TRUST THIS DATA

- **Real municipal roads** - not lab simulation or theoretical modeling
- **Adjacent control design** - treated vs. untreated on the same road removes all variables except the treatment
- **ASTM D6433-18 methodology** - industry standard PCI tracking
- **Replicated across three sites** - roads from 1998, 2002, and 2022 all show consistent results
- **Objective data collection** - RoadRunner sensors read at 52,000 points per second across a multi-sensor suite



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