



Surface Treatments Summary

Selection of Treatment based on Distress

Pavement Distress	Severity Level	Chip Seal	Scrub Seal	Microsurfacing	Thinlay	Mill & Overlay	Reconstruct
Rutting	Low			X	X		
	Medium			X	X		
	High					X	X
Fatigue Cracking	Low	X	X	X	X		
	Medium				X	X	
	High					X	X
Roughness/ Ride	Low		X	X	X		
	Medium				X	X	
	High					X	X
Thermal Cracking	Low	X	X	X	X		
	Medium		X		X		
	High					X	X
Raveling	Low	X	X	X	X		
	Medium	X	X	X	X		
	High				X	X	
Delamination	NA					X	
Friction/Texture	NA	X	X	X	X	X	

Estimated Life Extension

Treatment	Good Condition (PASER Rating 7 or more)	Fair Condition (PASER Rating 5-6)	Poor Condition (PASER Rating 4 or less)
Thin Overlay > 1"	10-14 years	9-12 years	4-6 years
Thin Overlay < 1"	8-12 years	7-10 years	2-4 years
Microsurfacing	6-8 years	4-6 years	2-4 years
Chip Seal	4-5 years	3-4 years	1-3 years
Scrub Seal	N/A	5-7 years	3-5 years

Approximate Cost of Treatments

Treatment	Cost Per Mile	Cost Per Square Yard	Annualized Cost (\$/SY/YR)
Chip Seal	\$18,000 - \$27,000	\$1.40 - \$2.10	0.39
Chip Seal (w/ Fog)	\$22,000 - \$31,000	\$1.70 - \$2.40	0.41
Scrub Seal	\$21,000 - \$38,000	\$1.60 - \$3.00	0.31
Microsurfacing	\$29,000 - \$39,000	\$2.25 - \$3.00	0.38
Thin Overlay < 1"	\$32,000 - \$52,000	\$2.50 - \$4.00	0.33
Thin Overlay > 1"	\$43,000 - \$65,000	\$3.30 - \$5.00	0.35

- 1 miles of road = 5280 (length) X 22 (width) = 12907 SY

*numbers above are for single application layer

**numbers above do not include crack filling, milling, patching, paint removal, pavement markings, etc.