

Preservation Treatment	Treatment Durability								Work Zone Duration Restrictions			Expected Performance on High Volume Facility, yrs	Relative Cost
	Rural Roads				Urban Roads				Overnight or Single-Shift	Weekend	Longer		
	High Traffic ADT > 5,000 vpd	Climatic Zone			High Traffic ADT > 10,000 vpd	Climatic Zone							
		Deep-Freeze	Moderate-Freeze	Non-Freeze		Deep-Freeze	Moderate-Freeze	Non-Freeze					
Crack Fill	●	●	●	●	●	●	●	●	●			2-3	\$
Crack Seal	●	●	●	●	●	●	●	●	●			2-6	\$
Slurry Seal (Type III)	○	×	⊙	⊙	○	×	⊙	⊙	●			3-5	\$\$
Microsurfacing-Single	⊙	⊙	●	⊙	⊙	⊙	●	⊙	●			3-5	\$\$
Microsurfacing-Double	⊙	⊙	●	⊙	⊙	⊙	●	⊙	●			4-6	\$\$/\$\$\$
Chip Seal-Single Conventional Polymer-modified	⊙	●	⊙	⊙	⊙	⊙	⊙	⊙	●			4-6	\$\$ \$\$\$
Chip Seal-Double Conventional Polymer-modified	⊙	●	⊙	⊙	⊙	⊙	⊙	⊙	●			6-8	\$\$/\$\$\$ \$\$\$
Ultra-Thin Bonded Wearing Course	⊙	⊙	●	⊙	⊙	⊙	●	⊙	●			5-8	\$\$\$
Ultra-Thin HMAOL	○	○	⊙	×	⊙	⊙	●	○	●			4-7	\$\$
Thin HMAOL	●	●	●	⊙	●	●	●	⊙	●			5-10	\$\$\$
Cold Milling and Thin HMAOL	●	●	●	⊙	●	●	●	●	●			6-11	\$\$\$
Hot In-place Recycling Surf Recycle and HMAOL Remixing and HMAOL Repaving	○	○	○	×	○	○	⊙	○	●			5-8 6-12 6-12	\$\$\$ \$\$\$ \$\$\$
Cold In-place Recycling and HMAOL	⊙	⊙	⊙	○	⊙	⊙	⊙	⊙	●			5-11	\$\$\$
Profile Milling	⊙	○	⊙	⊙	⊙	○	●	⊙	●			2-4	\$
Ultra-Thin Whitetopping	○	○	○	○	○	○	⊙	○	×	○	⊙	NA	\$\$\$\$

Figure 3. Comparing climate and relative cost, crack seal is the selected treatment.