

Preservation Treatment	Window Of Opportunity		Distress Types and Severity Levels (L=Low Severity, M=Medium Severity, H=High Severity)														Surface Characteristics Issues		
			Surface Distress					Cracking Distress					Deformation Distress						
	Ravel/Weather	Bleed/Flush	Polish	Segregation	Water Bleed/Pump ^a	Fatigue/Long WP/Slippage	Block	Trans Therm	Joint Reflect	Long/Edge	Wear/Stable Rutting ^b	Corrug/Shove ^c	Bumps/Sags	Patches	Ride Quality	Friction	Noise		
	PCI/PCR	Age, yrs	L/M/H	—	—	L/M/H	—	L/M/H	L/M/H	L/M/H	L/M/H	L/M/H	L/M/H	L/M/H	L/M/H	—	—	—	
Crack Fill	75-90	3-6 ^d						xxx	oox	oxx	oxx	●●○							
Crack Seal	80-95	2-5 ^d						xxx	oox	●●○	●●○	oxx							
Slurry Seal (Type III)	70-85	5-8	●●○	x	○	●●○	○	oox	●●○	oox	oxx	oxx	xxx	xxx	oox	x	○	○	
Microsurfacing-Single	70-85	5-8	●●○	x	○	●●○	○	oox	●●○	oox	oxx	oxx	oxx	oxx	oox	○	●	○	
Microsurfacing-Double	70-85	5-8	●●○	x	○	●●○	○	oox	●●○	●●○	●●○	●●○	●●○	oxx	oxx	○	●	○	
Chip Seal-Single Conventional	70-85	5-8	●●○	○	●	●●○	○	oxx	●●○	●●○	●●○	●●○	oxx	oxx	oxx	○	●	x	
Polymer-modified	70-85	5-8	○●○	x	●	○●○	○	oxx	●●○	●●○	●●○	oxx	oxx	oxx	○●○	○	●	x	
Chip Seal-Double Conventional	70-85	5-8	○●○	x	○	○●○	x	oxx	●●○	●●○	●●○	●●○	●●○	oxx	oxx	○	○	○	
Polymer-modified	70-85	5-8	○●○	x	○	○●○	x	●●○	●●○	●●○	●●○	●●○	●●○	oxx	oxx	○	○	○	
Ultra-Thin Bonded Wearing Course	65-85	5-10	●●○	x	●	○●○	○	oxx	○●○	○●○	○●○	○●○	oxx	oxx	oxx	○●○	○	●	○
Ultra-Thin HMAOL	65-85	5-10	●●○	x	●	○●○	○	oxx	○●○	○●○	○●○	○●○	oxx	oxx	oxx	○●○	○	●	●
Thin HMAOL	60-80	6-12	●●○	○	●	○●○	○	●●○	●●○	○●○	○●○	○●○	○●○	○●○	○●○	●	●	●	
Cold Milling and Thin HMAOL	60-75	7-12	○●○	○	○	○●○	x	○●○	○●○	○●○	○●○	○●○	○●○	○●○	○●○	●	○	○	
Hot In-place Recycling Surf Recycle/HMAOL	70-85	5-8	○●○	○	○	○●○	○	○●○	○●○	○●○	○●○	○●○	○●○	○●○	○●○	○	○	○	
Remixing/HMAOL	60-75	7-12	x○○	○	○	x○○	x	○●○	○●○	○●○	○●○	○●○	○●○	○●○	○●○	○	○	○	
Repaving	60-75	7-12	x○○	○	○	x○○	x	○●○	○●○	○●○	○●○	○●○	○●○	○●○	○●○	○	○	○	
Cold In-place Recycling and HMAOL	60-75	7-12	xxx○	○	○	x○○	x	○●○	○●○	○●○	○●○	○●○	○●○	○●○	○●○	●	○	○	
Profile Milling	80-90	3-6	○●○	○	○	x○○	x	xxx	xxx	xxx	xxx	xxx	●●○	oxx	○●○ ^d	○●○ ^d	○	○	x
Ultra-Thin Whitetopping	60-80	6-12	xxx○	○	○	x○○	x	○●○	○●○	○●○	○●○	○●○	○●○	○●○	x○○	○●○	○	○	x

Figure 2. Identifying candidate treatments for moderate severity reflection cracking.