

Table 15-1: Stabilizing Agent¹ Selection Guide for FDR Mixtures Including RAP

Material Type – Including RAP	Well Graded Gravel	Poorly Graded Gravel	Silty Gravel	Clayey Gravel	Well Graded Sand	Poorly Graded Sand	Silty Sand	Clayey Sand	Silt, Silt with Sand	Lean Clay	Organic Silt/Organic Lean Clay	Elastic Silt	Fat Clay, Fat Clay with Sand
USCS²	GW	GP	GM	GC	SW	SP	SM	SC	ML	CL	OL	MH	CH
AASHTO³	A-1-a	A-1-a	A-1-b	A-1-b A-2-6	A-1-b	A-3 or A-1-b	A-2-4 or A-2-5	A-2-6 or A-2-7	A-4 or A-5	A-6	A-4	A-5 or A-7-5	A-7-6
Emulsified Asphalt SE > 30 or PI < 6 and P ₂₀₀ < 20%	X	X	X	X	X	X	X						
Foamed Asphalt PI < 10 and P ₂₀₀ 5 to 20%	X		X	X	X		X						
Cement, CKD or Self-Cementing Class C Fly Ash PI < 20 SO ₄ < 3000 ppm	X	X	X	X	X	X	X	X	X	X			
Lime/LKD PI > 20 and P ₂₀₀ > 25% SO ₄ < 3000 ppm								X		X		X	X

P₂₀₀ = Percent passing No. 200 (0.075 mm) sieve; SE = Sand equivalent (AASHTO T 176 or ASTM D2419); PI = Plasticity Index (AASHTO T 90 or ASTM D4318)

¹Additives may also be used in combination with a stabilizing agent to optimize performance of the FDR section

²USCS: *Unified Soil Classification System, ASTM D2487*

³AASHTO: *American Association State Highway Transportation Officials, AASHTO M 145*