

Waste Material	Millions of Metric Tons Annually		Current and Past Highway Uses				
	Produced	Recycled Reused	Asphalt Pavement	Concrete Pavement	Base Course	Embankment	Other
Blast Furnace Slag	??	14.1	Accepted use as an aggregate in base and surface (friction) coarse, research indicates good performance	Accepted use as a cement additive in granulated form, research is ongoing	Accepted use, good, hard, durable aggregate	Limited but accepted use	Research in Roller Compacted concrete, accepted as ice control abrasive
Carpet Fiber Wastes	2	??	Experimental stages in HMA and SMA no field data	Experimental Stages, no field data	No known use	No known use	No known use
Coal Fly Ash	45	11	Past use as a mineral filler, research ongoing	Accepted use research ongoing	Used in soil stabilization	Used in flowable fills, embankment	Used in all types of PCC
Coal Bottom Ash or Bottom Slag	16	5	Combined ash as a fine aggregate, performance data limited	Use unknown	Use unknown	Used as a sub-base material, embankment	Lightweight concrete, abrasives
Flue Gas Desulfurization Waste	18	??	Use unknown	Used as a set retarder	Used with cement in soil stabilization	Used as an embankment material	No known use
Glass	12.0	2.4	Accepted use, long-term performance research under way	Past research indicated performance problems	Used in dense and open-graded bases	Some research projects under way	Limited use as a paint bead, pipe backfill
Mill Tailings	432	<1 percent	Accepted use, research indicates good performance	Limited but accepted use	Use unknown	Accepted use	Use unknown
Municipal Waste Combustion Ash	7.3	<10 percent	Past research indicated good performance - Environmental questions	No known use	Used in cement-stabilized bases	Used in soil stabilization	No known use

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Plastic	14.7	0.3	Used as a binder additive	Experimental stage	No known use	No known use	Fence or delineator posts, guardrail blockouts
Reclaimed Concrete Pavement	3	??	Limited use, long-term performance research under way	Limited use, research under way	Accepted use	Accepted use	Used as rip-rap
Reclaimed Asphalt Pavement	91	73	Variety of accepted uses	Experimental stages	Accepted use	Accepted use	Used as shoulder material
Roofing Shingle Waste Industry-Produced Re-roofing Waste	0.4 7.7	<1 percent	Limited use, research under way	No known use	No known use	No known use	Used as a pothole patching material
Scrap Tires	2.3	0.4	Accepted use, extensive research being conducted	Experimental Stages	Used as an insulator	Used with some success - research continuing	Being marketed for use as noise or retaining wall, molded posts, many minor uses
Steel Slag	7.5	6.9	Past research indicates good performance	Extensive research, poor performance	Limited use	Accepted use	Ice control
Waste Rock	954	<1 percent	Accepted use, research indicates good performance	Limited but accepted use	Use unknown	Use unknown	No known use