

Type of Construction	Material	Test	Frequency of Acceptance Samples and Tests for Job Control	Construction Stages for Obtaining Sample or Test	Sample Size	Procedures		Remarks
						Sampling Method	Test Methods	
Asphalt Plant Mixes General Requirements	Plant Requirements	Design Mix	Minimum 1 per project for each mix and when component source or quality changes	Prior to beginning work for each mix	50 lb (25 kg) for each aggregate size and source 1 gal (4 L) for Performance Graded Asphalt Binder (PGAB)	AASHTO T-2	ALDOT-307 or ALDOT-344	Samples should be submitted by contractor to the Central Lab. At least 2 weeks prior to beginning of operations (See ALDOT-370)
		Asphalt Plant check	Minimum 1 per year or after each move or after plant has been substantially modified	Before beginning operations			ALDOT-324	Report on ALDOT-155 (See List I-5)
		Plant Laboratory and Equipment	Each move	Before beginning operations			ALDOT-349	Report on BMT-155
	Liquid Binder Shipments	Analysis	See ALDOT-243	Before incorporation into work See ALDOT-195	See storage tank samples below	AASHTO T-40		See storage tank samples below See List I-4
		Delivery Temperature	Each shipment	Before unloading checked by Dept. inspector during normal working hours. Night time deliveries to be checked by contractor				
	Liquid Binder (Contractor's Storage Tanks)	Analysis	See ALDOT-243 Sample tank when plant has been idle for extended period of time or has used different paving grades of asphalt material or has not received BMT-146 for shipments	Before incorporation into work See ALDOT-195	1 qt (1 L) for Performance Graded Asphalt Binder (PGAB) 1 gal (4 L) for emulsified asphalt	AASHTO T-40		Ship to Central Lab with Information Card form BMT-1 Use metal cans for Performance Graded Asphalt Binder (PGAB) and plastic jugs for emulsified asphalts

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	Natural Fine Aggregate	Gradation	See Specifications	During building or replenishing stockpile	10 lb (5 kg)	AASHTO T-2	AASHTO T-11 and AASHTO T-27	Report on form BMT-16
		Liquid Limit and Plastic Limit	Contractor minimum of one (1) per stockpile	Sample from stockpile prior to use	20 lb (10 kg)	AASHTO T-2	AASHTO T-89 as modified by ALDOT-232 AASHTO T-90	Report on form BMT-16
	Coarse Aggregate	Gradation	See Specifications	During building or replenishing stockpile	50 lb (25 kg)	AASHTO T-2	AASHTO T-11 and AASHTO T-27	Report on form BMT-16 See ALDOT-249 and List I-1
		Crushed Particles	See Specifications	During building and replenishing stockpile	10 lb (5 kg)	AASHTO T-2	ALDOT-310	Report on form BMT-16
	Manufactured Fine Aggregate	Gradation	See Specifications	During building or replenishing stockpile	20 lb (10 kg)	AASHTO T-2	AASHTO T-11 and AASHTO T-27	Report on form BMT-16
		Crushed Particles	See Specifications	During building or replenishing stockpile	10 lb (5 kg)	AASHTO T-2	ALDOT-310 AASHTO T-11 and AASHTO T-27	Report on form BMT-16
	Combined Mineral Aggregate	Clay	Contractor minimum of one test per 11,000 English tons (10,000 metric tons) or portion thereof or each source change. Department will test as needed.	Sample from belt or pugmill during production	10 lb (5 kg)	AASHTO T-2	ALDOT-50	Report on form BMT-16

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	Asphalt Plant Mix	Asphalt Binder Content	See Specifications	During operations	See ALDOT-370	AASHTO T-168 ALDOT-210 and ALDOT-370	ALDOT-354	Use worksheet BMT-11 or BMT-65 Report on form BMT-20
		Sieve Analysis	See Specifications	During operations	See ALDOT-370 and Table 1 of AASHTO T-164	AASHTO T-168 ALDOT-370	ALDOT-371	Use worksheet BMT-11 Report on form BMT-20
		Dust / Asphalt Ratio	See Specifications	During operations				Report on form BMT-20
		Air Voids and VMA	See Specifications	During operations	See ALDOT-370	AASHTO T-168 ALDOT-370	ALDOT-307 ALDOT-353	Use worksheet form BMT-98 Report on form BMT-20
		Maximum Specific Gravity	See Specifications	During operations	See ALDOT-370	AASHTO T-168	AASHTO T-209	Use flask method with dryback. Report on form BMT-20
		Moisture Content	See Specifications	During operations	See ALDOT-370	AASHTO T-168	ALDOT-130	Report on form BMT-65 or worksheet form BMT-11
		Marshall Stability and Flow	See Specifications	During operations	See ALDOT-370	AASHTO T-168	ALDOT-307 or ALDOT-353	Report on form BMT-20
		Split Tensile (TSR)	See Specifications	During operations	30 lbs (15 kg)	AASHTO T-168 ALDOT-210	ALDOT-361	Use worksheet form BMT-43 Report on form BMT-20
		Coated Aggregate	Minimum of one (1) per project	First day's operation and as needed thereafter	10 lb (5 kg)	AASHTO T-168	ASTM D-2489 (AASHTO T-195)	Report on form BMT-20

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		In-Place Density	See specifications. Shoulders constructed separately from main roadway shall be tested alternately left and right on the frequency outlined in Special Provision	Test while mat is still warm		ALDOT-210	ALDOT-222 or ALDOT-350 AASHTO T-166	Report on form BMT-21 or form BMT-4
		Rate of Application	See Construction Manual for frequencies, methods, and reports					Report on form BMT-4
Special Requirements for Mixes Containing Reclaimed Asphalt Pavement (RAP)	Asphalt Plant Mixes Containing RAP	Absorption Recovery and Viscosity	For mixes using more than 15 percent RAP, one (1) per each 2200 English tons (2000 metric tons)	During plant operations after mixing has occurred	1 gal (4 L)	AASHTO T-168 ALDOT-210	AASHTO T-164 AASHTO T-170 AASHTO T-202	Submit to Central Lab or its designee in a metal or plastic container with BMT-18
			None required on 15 percent or less					
	RAP Stockpile	Gradation	See Specifications	During building or replenishing of stockpile	50 lb (25 kg)	AASHTO T-2	ALDOT-258 and ALDOT-319	Use worksheet BMT-11
		Asphalt Binder Content	Same as RAP gradation	During building or replenishing of stockpile	50 lb (25 kg)	AASHTO T-2	ALDOT-319	Use worksheet BMT-11
		Crushed Particles	Same as RAP gradation	During building or replenishing of stockpile	50 lb (25 kg)	AASHTO T-2	ALDOT-310	Use worksheet BMT-11 or BMT-16