

Soil, Soil Aggregate, and Aggregate Base and Subbase

Type of Construction	Material	Test	Frequency of Independent Assurance Samples and Tests	Construction Stages for Obtaining Sample or Test	Sample Size	Procedures		Remarks
						Sampling Method	Test Methods	
Soil, Soil Aggregate, and Aggregate Base and Subbase	Plant- (except for 100% Crushed Commercial Aggregate), Road- or Yard Mixed Base or Subbase without chemical additives	Gradation	One (1) per 2 miles (3 km) per roadway for the completed course thickness, when the specification is the same. None required on 1 mile (1.5 km) or less	Sample at same point in the process as Job Control	25 lb (12 kg) For Crushed Aggregate Bases see AASHTO T-2 Table 1 for sample size	ALDOT-105	AASHTO T-88	IAS&T-D Item Submit soil analysis samples to Central Laboratory Make comparison in accordance with ALDOT-341
		Clay Content when required				ALDOT-210	AASHTO T-89 as modified by ALDOT-232 AASHTO T-90 ALDOT-310	
	Atterberg Limits	For bases containing 100% Crushed Commercial Aggregate, frequency of one (1) per 12,000 T (11,000 t) per roadway for the completed course thickness. None required on 7,500 T (6,800 t) or less	See AASHTO T-27 & T-11 for Crushed Aggregate Bases					
Plant, Road, or Yard Mixed	Plant Mixed, 100% Crushed Commercial Aggregate	Moisture Density Standard and In-place Density	One (1) per 2 miles (3 km) per roadway per layer, for roadway layers	In-place density test at same point in the process as Job Control	50 lb (25 kg)	ALDOT-105	AASHTO T-180	Submit new P.D. or L.V.D. sample for each In-Place Density Test to Central Laboratory Make comparison in accordance with ALDOT-341
			None required on 1 mile (1.5 km) or less		100 lb (50 kg)	ALDOT-140	or ALDOT-225 when authorized	

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						Sampling Method	Test Methods		
Soil, Soil Aggregate, and Aggregate Base and Subbase (Continued)	Plant Mixed, 100% Crushed Aggregate	Moisture Density Standard and In-place Density	Same frequency as Plant Mixed containing 100% Crushed Commercial Aggregate	In-place density test at same point in the process as Job Control	Same as above	ALDOT-210	ALDOT-222 or AASHTO T-191 when authorized	ALDOT-222 or AASHTO T-191 when authorized	
		Thickness Measurement	One (1) per 2 miles (3 km) per roadway for the completed course thickness, when the specification is the same. None required on 1 mile (1.5 km) or less	Measure at same point in the process as job control		ALDOT-105 ALDOT-210	ALDOT-105	IAS&T-D Item Report Form BMT-154	
	Soil, Soil Aggregate or Aggregate Base or Subbase Containing Cement or Lime	In-place Density	(Same as Base and Subbase Without Chemical Additives, but use Job Control's ALDOT-223 Standard, instead of submitting a new Moisture Density Standard)						IAS&T-D Item
		Thickness Measurement	Same as Base and Subbase Without Chemical Additives						IAS&T-D Item
				Shoulder layers constructed separately from travelways-apply same sampling and testing frequency, except alternate left and right shoulders					IAS&T-D Item