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	
Excavation Embankment Construction	Underwater Embankment Material	Size Check (Visual)	Daily	Check at source before delivery to roadway See ALDOT-249	1 – Transporting vehicle load			Consult Division Materials Engineer for approved sources located within ROW. Record results of daily checks in project diary. Report total quantity accepted for project on Form BMT-16 or in Site Manager
	Underwater Backfill from Approved Sources	*Soil Analysis *No test required if rocky material is used in lieu of A-1, A-2 or A-3 material	One (1) per each 2600 yd^3 (2000 m^3) or 4000 English tons (3500 metric tons) or fraction thereof	Source should be thoroughly sampled, tested and areas or stockpiles approved before delivery to project	25 lb (12 kg)	ALDOT-105	AASHTO T-88 AASHTO T-89 as modified by ALDOT-232 AASHTO T-90 AASHTO M-145	Use worksheet forms BMT-17 and BMT-30. Report on form BMT-5 or in Site Manager
	Unclassified Excavation Material from Approved Cuts or Borrow pits. See Soils Profile or Consult Division Materials Engineer	Moisture Density Standard	Each apparent soil change	A sufficient number of tests should be performed prior to beginning operations to identify any significant strata changes	25 lbs (12 kg)	ALDOT-105	AASHTO T-99	Worksheet BMT-58, Report Form BMT-16 or in Site Manager

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	
	Unclassified Excavation Material from Approved Cuts or Borrow pits. See Soils Profile or Consult Division Materials Engineer	In-place Density	Minimum one (1) test each compacted layer of fill not exceeding 8 in (200 mm) (loose measurement) height per 1000 ft (300 m) or fraction thereof	After compaction operations have been completed, and before placing next lift			ALDOT-222	Report on form BMT-57
							Or AASHTO T-191 when authorized	Report on form BMT-1B
		MR	When Required* Sample each ½ mile (1 km) or each soil change per roadway. Note: Both roadways may be represented by one sample from major cut areas. State on sample card if sample represents both roadways. *Consult Division Materials Engineer for individual project requirements	After completion of compaction and finished elevation checks. Sample top 12 in (300 mm) of subgrade	50 lb (25 kg)	ALDOT-105		This test is performed by the Central Testing Laboratory in Montgomery. Submit samples to Central Lab. Use Sample Information Card BMT-1

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	
	Unclassified Excavation Material from Approved Cuts or Borrow pits. See Soils Profile or Consult Division Materials Engineer	Soil Analysis	Minimum one (1) each 1000 ft (300 m) per roadway or each soil change per roadway Sample top 12 in (300 mm) of subgrade	Same as for MR Schedule	25 lbs (12 kg)	ALDOT-105	AASHTO T-88 AASHTO T-89 as modified by ALDOT-232 AASHTO T-90 AASHTO M-145	Use worksheet forms BMT-17 and BMT-30, Report on form BMT-5 or in Site Manager
	Improved Roadbed from Approved Cuts and Borrow Pits. See Soils Profile for Approved Cut Areas	Moisture Density Standard	Minimum one (1) each per ½ mile (1000 m) per lift (8" uncompacted or 6" compacted), or source change for each roadway	Sample after mixing process has been completed	25 lbs (12 kg)	ALDOT-105	AASHTO T-99	Worksheet form BMT-58, report on form BMT-16 or in Site Manager
		In-Place Density	Minimum one (1) each 1000 ft (300 m) per lift (8" uncompacted or 6" compacted), per roadway	After compaction operations have been completed			ALDOT-210 for location ALDOT-222	Report on form BMT-57
							Or AASHTO T-191 when authorized	Report on form BMT-1B
		Visual for Oversize	Each 1000 ft (300 m) per lift (8" uncompacted or 6" compacted), per roadway	Continuous checks during mixing and compaction operations				**Note:** Results should be recorded in Project Diary by station limits

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	
	Improved Roadbed from Borrow Areas	Soil Analysis	Each 1000 ft (300 m) per layer per roadway	Sample after mixing process has been completed	25 lbs (12 kg)	ALDOT-105	AASHTO T-88 AASHTO T-89 as modified by ALDOT-232 AASHTO T-90 AASHTO M-145	Use worksheet form BMT-17 and BMT-30. Report on form BMT-5 or in Site Manager
		MR	Minimum 1 mile (1.5 km) per roadway – break at apparent soil changes **Note:** Certain types of material from approved borrow areas will require more tests. When this condition occurs, consult Division Materials Engineer for sampling frequency	After mixing process has been completed	50 lbs (25 kg)	ALDOT-210 ALDOT-105		Submit sample to Central Testing Laboratory. Use sample information card BMT-1
		Thickness Measurements	Each 500 ft(150 m) alternating left and right of centerline, each roadway	After compaction test has been approved and accepted			ALDOT-105	Worksheet Record in field notebook