

Sampling & Testing Guide-Minimum Frequency

October 16, 2007
Supersedes October 17, 2006

BASE REPAIR (2212), PAVEMENT REPAIR (PATCHES)
Sections 2529 & 2530

Matls. IM 204
Appendix T

MATERIAL OR CONSTRUCTION ITEM	TESTS	METHOD OF ACCEPTANCE & RELATED IMS	QUALITY CONTROL					INDEPENDENT ASSURANCE & VERIFICATION S&T					REMARKS	
			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY		REPORT
SOURCE INSPECTION														
Aggregates Fine (4110)		AS	209											
Aggregates Coarse (4115)		AS	209											
Portland Cement (4101)	Quality	AS	401											
Fly Ash (4108)	Quality	AS	491.17											
GGBFS (Ground Granulated Blast Furnace Slag)	Quality	AS	491.14											
Curing Compound (4105)	Lab Tested		405											
Air Entraining Admixture (4103)	Quality	AS	403											
Granular Backfill	Gradation Quality	AS	CERT											
Drain Tubing	Quality	AS	443											
Epoxy Grout		AS	491.11											
Joint Seal (4136.02)	Lab Tested	AS	436.01 436.02											
Backer Rod (4136.02)		AS	436.04											
Steel Reinforcing	Quality	AS	451											
AS-Approved Source ASD-Approved Shop Drawing S&T-Sampling & Testing			Cert A-Type A Certification Cert C-Type C Certification Cert D-Type D Certification					RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor				IA-Independent Assurance V-Verification		

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PLANT INSPECTION															
Aggregates-Coarse (4115)	Grad	302	306	336	CONTR	1/lot	IM 301	CONTR		V	RCE/ CONTR	1 st day +20%	IM 301	RCE	
	Moist			308	CONTR	1 / half day	1000 gm	CONTR							
	Sp. Gr.			307	CONTR	IM 527	1000 gm	CONTR							
	Quality	AS		209											
Aggregate- Fine (4110)	Gradation		302, 306	336	CONTR	1/lot	IM 301	CONTR	830211	V	RCE/ CONTR	1 st day+ 20%	IM 301 IM 301	RCE	
	Moisture		308, 528		CONTR	1/lot	1000 gm	CONTR	830211						See IM 528 if Moisture Probe is used
	Sp. Gr.		307		CONTR	IM 528	1000 gm	CONTR	830211						
	Quality	AS		209											
Portland Cement (4101)	Quality	AS		CERT D		Each Load									
Fly Ash	Quality	AS		CERT D		Each Load									
Air Entraining Admixture		AS		403						V	DME	1/batch	1 pt	CTRL	Sample lots not previously reported or as directed by DME
Water Reducing Admixture		AS		403						V	DME	1/batch	1 pt	CTRL	
Retarding Admixture		AS		403						V	DME	1/batch	1 pt	CTRL	
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GRADE INSPECTION														
Uncompacted HMA Mixture		Scale ticket with JMF number												Job Mix Formula (JMF) approved by DME
Plastic Concrete	Air Slump	318	327					V	RCE	2/half day			RCE	
		318	327					V	RCE	2/half day			RCE	
Reinforcing Steel	Quality	AS	451		Each Shipment									
Epoxy-Coated Steel	Quality	AS	451											
Calcium Chloride	Concentr.		373	RCE	1/lot		RCE							
Smoothness for Compacted HMA or Hardened Conc. (2529.10)			341	CONTR			CONTR							Approval by DME See Plans/Specs for exclusions
AS-Approved Source ASD-Approved Shop Drawing S&T-Sampling & Testing				Cert A-Type A Certification Cert C-Type C Certification Cert D-Type D Certification				RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor				IA-Independent Assurance V-Verification		