

Sampling and Testing Guide-Minimum Frequency

**CONCRETE BRIDGE FLOOR REPAIR & OVERLAY & SURFACING**  
Section 2413

Matls. IM 204  
Appendix M (US) Units

April 18, 2006  
Supersedes April 30, 2002

MATERIAL OR CONSTRUCTION ITEM	TESTS	METHOD OF ACCEPTANCE & RELATED IMs	QC/ACCEPTANCE S&T					ASSURANCE, CORRELATION & VERIFICATION S&T					REMARKS
			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	
<b>SOURCE INSPECTION</b>													
Aggregates-Fine (4110)		AS 209											
Aggregates-Coarse (4115)		AS 209											
Portland Cement (4101)	Quality	AS 401											
Mixing Water (4102)	Quality	Lab Tested	RCE	► 1/source	1 qt.	CTRL							Not needed for potable Municipal Water
Air Entraining Admixture (4103)	Quality	AB 403											
Water Reducing Admixture (4103)	Quality	AB 403											
Retarding Admixture (4103)		AS 403											
Curing Compound (4105)	Lab Tested	405	DME 1/lot	► 1/lot	1 pt	CTRL							Sample lots not previously reported
<b>PLANT INSPECTION</b>													
Aggregate-Fine (4110)		AS CERT											
Aggregate-Coarse (4115)	Quality	AS CERT						V	DME	► 1/project	50 lb	CTRL	DME may adjust frequency
Portland Cement (4101)	Quality	AS CERT						V	DME	1/project	15 lb	CTRL	
Air Entraining Admixture (4103)		AB 403	RCE	► Each Lot	1 pt	CTRL							Sample if not previously reported
Water Reducing Admixture (4103)		AB 403	RCE	► Each Lot	1 pt	CTRL							Sample if not previously reported
Retarding Admixture (4103)		AB 403	RCE	► Each Lot	1 pt	CTRL							Sample if not previously reported
Latex Emulsion		Certification		► Each Lot									
AS-Approved Source AB-Approved Brand 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				ASSUR-Independent Assurance VERIF-Verification CORR-Correlation MON-Monitor				

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			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	
<b>GRADE INSPECTION</b>														
Plastic Concrete (2413)	Air	318, 327	RCE	1/100 sy		RCE	830211	ASSUR	DME	1/project		DME		
	Slump	317, 327	RCE	1/100 sy		RCE	830211	ASSUR	DME	1/project		Witness Only		
	Density	358	RCE	6/bridge		RCE	1297	ASSUR	DME	1/project		Witness Only		Minimum of 1 per placement
	Thickness		RCE	3/50 sy		RCE	Field Book							
	Cylinders								DME	3/project		DME		Primary Projects only (Information Only)
Concrete Sealer (2413.09)	Quality	AB 491.12												
AS-Approved Source AB-Approved Brand 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			ASSUR-Independent Assurance VERIF-Verification CORR-Correlation MON-Monitor					