

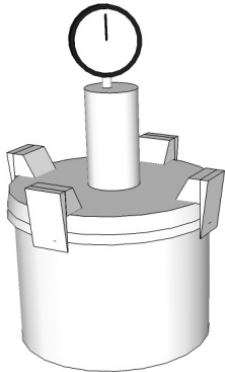


MaineDOT

HMA AND PCC SAMPLE IDENTIFICATION FORM

INSTRUCTION GUIDE

PORTLAND CEMENT CONCRETE



MaineDOT		HMA and PCC Sample Identification Form				Materials Testing and Exploration			
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301		Sample Description					
	Date Sampled			Sampler	Sampler's Employer				
	WIN	Town							
	Plant			Location					
	Item No.	Lot No.	Sublot No.	Sublot Size					
	MaineDOT Design No.					Comparison No.			
	HMA Mix Samples								
	Ticket No.	<input type="checkbox"/> Test Strip	<input type="checkbox"/> Method D - Gmm Needed for the 2 required cores	Temp. °F	<input type="checkbox"/> Truck at plant	Station	<input type="checkbox"/> LT	<input type="checkbox"/> RT	<input type="checkbox"/> CL
	HMA Cores								
	Mix Sample Ref No.	<input type="checkbox"/> Test Strip	Spec <input type="checkbox"/> 92.5, min. <input type="checkbox"/> 92.5 – 97.5 <input type="checkbox"/> 93.5 – 98.5		Station		Offset		<input type="checkbox"/> LT
2 nd Mix (CL) Ref No.	<input type="checkbox"/> 91.0, min. (CL Density)						<input type="checkbox"/> RT		
	<input type="checkbox"/> Information only (shoulder, etc.)						<input type="checkbox"/> CL		
Portland Cement Concrete									
Admixtures Total (plant + jobsite) dosage oz/yd ³		Ticket No.	<input type="checkbox"/> Slump, in. <input type="checkbox"/> Spread, in.	Air, %	Temp. , °F	w/c Ratio			
		Strength, Age to Break: 21 28 56 ___	<input type="checkbox"/> Permeability	Age To Test: <input type="checkbox"/> 14 <input type="checkbox"/> 28 <input type="checkbox"/> 56 <input type="checkbox"/> 120 ___		<input type="checkbox"/> Surface Resistivity			
		Represents _____ of _____ yd ³ (total placement size)			Placement Location:				
		Comments:							
		Contact Phone No.	Report Results To:			Revision 04/2012			

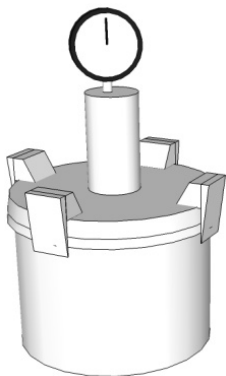


GENERAL SAMPLE INFORMATION

MaineDOT	HMA and PCC Sample Identification Form				Materials Testing and Exploration
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description	PCC – Class A	
	Date Sampled		Sampler	Sampler's Employer	
	WIN		Town		
	Plant		Location		
	Item No.		Lot No.	Sublot No.	Sublot Size
	MaineDOT Design No.				Comparison No.

Sample Description – Identifies the material being sampled, and the class of concrete being placed.

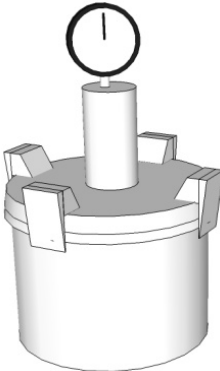
Please be as specific as possible. Examples include “PCC – Class A”, “PCC – Class LP”, “PCC – Class P”



GENERAL SAMPLE INFORMATION

<i>MaineDOT</i>		HMA and PCC Sample Identification Form		<i>Materials Testing and Exploration</i>		
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description	PCC – Class A		
	Date Sampled	7/24/2012	Sampler	J. Smith	Sampler's Employer	ABC Consulting
	WIN			Town		
	Plant			Location		
	Item No.			Lot No.	Sublot No.	Sublot Size
	MaineDOT Design No.					Comparison No.

Enter “Date Sampled”, “Sampler” and “Sampler’s Employer”



GENERAL SAMPLE INFORMATION

MaineDOT	HMA and PCC Sample Identification Form				Materials Testing and Exploration
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description		
	Date Sampled	7/24/2012	Sampler	J. Smith	Sampler's Employer
	WIN	17341.00	Town		
	Plant			Location	
	Item No.	Lot No.	Sublot No.	Sublot Size	
	MaineDOT Design No.				Comparison No.

Enter "WIN" (project ID number)

- When projects include more than one WIN, use the Contract ID (found on Schedule of Items) for ALL samples.

MAINE DEPARTMENT OF TRANSPORTATION

PAGE: 1

SCHEDULE OF ITEMS

DATE: 120330

REVISED:

CONTRACT ID: 017341.00

PROJECT(S): STP-1734(100)X
~~STP-1829(800)X~~
~~AC STP-1908(300)X~~

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS

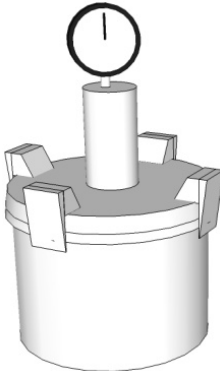
SECTION 0001 HIGHWAY ITEMS

GENERAL SAMPLE INFORMATION

MaineDOT	HMA and PCC Sample Identification Form				Materials Testing and Exploration	
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description			
	Date Sampled	7/24/2012	Sampler	J. Smith		
	WIN	17341.00	Town	Saco		
	Plant	Auburn Concrete		Location	Westbrook	
	Item No.		Lot No.	Sublot No.	Sublot Size	
	MaineDOT Design No.				Comparison No.	
	Sampler's Employer					ABC Consulting
	Sample Description					

Enter the "Town" where the project is located.

Enter "Plant" and "Location" where the PCC mix was produced.
(This is listed on the delivery slip and Mix Design).



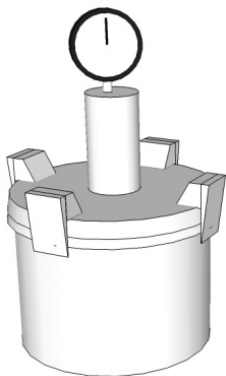
GENERAL SAMPLE INFORMATION

MaineDOT	HMA and PCC Sample Identification Form				Materials Testing and Exploration	
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description	PCC – Class A		
	Date Sampled	7/24/2012	Sampler	J. Smith	Sampler's Employer	ABC Consulting
	WIN	17341.00	Town	Saco		
	Plant	Auburn Concrete		Location	Westbrook	
	Item No.	502.21	Lot No.	Sublot No.	Sublot Size	
	MaineDOT Design No.				Comparison No.	

Enter "Item No." for the material. Item Nos can be found in Special Provision 502, on the plans, or on the delivery slip.

SPECIAL PROVISION
SECTION 502
STRUCTURAL CONCRETE
(QC/QA Acceptance Methods)

CLASS OF CONCRETE	ITEM NUMBER	DESCRIPTION	P	METHOD
A	502.21	Structural Concrete, Abutments and Retaining Walls	\$400	A
A	502.41	Structural Concrete, Superstructure Slab	\$400	A
N/A	N/A	Composite Arch Tube Concrete	-	C

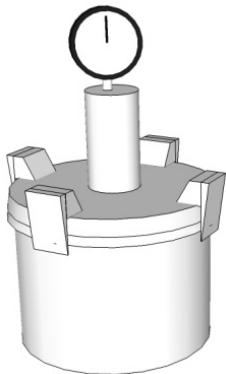


GENERAL SAMPLE INFORMATION

MaineDOT	HMA and PCC Sample Identification Form				Materials Testing and Exploration		
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description	PCC – Class A			
	Date Sampled	7/24/2012	Sampler	J. Smith	Sampler's Employer	ABC Consulting	
	WIN	17341.00	Town	Saco			
	Plant	Auburn Concrete		Location	Westbrook		
	Item No.	502.21	Lot No.	1	Sublot No.	4	Sublot Size
	MaineDOT Design No.					Comparison No.	

Enter "Lot No."

- Each PCC Class will be tested on a Lot-by-Lot basis.
- The number of Lots for each Class of Concrete is determined using guidelines found in Section 502.
- Lot Numbers cannot be repeated for a given Concrete Class, but may be repeated for different Classes. EXAMPLE:
 - Class A – Lot 1, Lot 2 and Lot 3
 - Class LP – Lot 1, Lot 2, Lot 3, Lot 4 and Lot 5
 - Class S – Lot 1

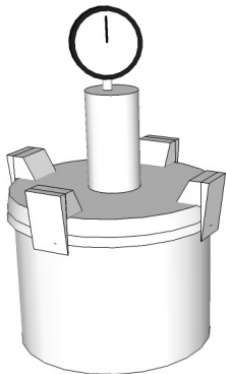


GENERAL SAMPLE INFORMATION

MaineDOT	HMA and PCC Sample Identification Form				Materials Testing and Exploration		
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description				PCC – Class A
	Date Sampled	7/24/2012	Sampler	J. Smith	Sampler's Employer	ABC Consulting	
	WIN	17341.00	Town	Saco			
	Plant	Auburn Concrete		Location	Westbrook		
	Item No.	502.21	Lot No.	1	Sublot No.	4	Sublot Size
	MaineDOT Design No.					Comparison No.	

Enter "Sublot No."

- Each Lot will be divided into several equal sized sample Sublots according to table 3 in section 502.
- A set of 6 cylinders and an Air Test is obtained from each Sublot. (occasionally additional cylinders may be called for in the special provision, see special provisions and minimum testing requirements for these)
- Sublots must be assigned a unique number in the Lot . Do not use alphanumeric designation , such as 1a, 1b, etc.



GENERAL SAMPLE INFORMATION

MaineDOT	HMA and PCC Sample Identification Form				Materials Testing and Exploration		
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description				PCC – Class A
	Date Sampled	7/24/2012	Sampler	J. Smith	Sampler's Employer	ABC Consulting	
	WIN	17341.00	Town	Saco			
	Plant	Auburn Concrete		Location	Westbrook		
	Item No.	502.21	Lot No.	1	Sublot No.	4	Sublot Size
	MaineDOT Design No.					Comparison No.	

Enter "Sublot No. " – PCC Samples – Method A & B

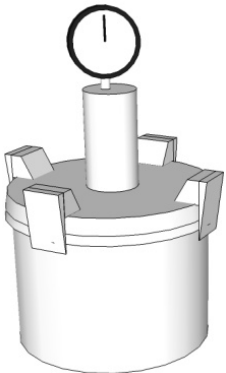
Methods A & B

Each Lot is divided into equal-sized Sublots (as described in the 502 specification). One set of 4 cylinders and an Air Test is taken from each Sublot.

- Sublot Numbers cannot be repeated within a Lot.

EXAMPLE - For Class A (below), there would be 3 Lots, each consisting of 5 Sublots.

- Lot 1 would consist of Sublots 1, 2, 3, 4 and 5
- Lot 2 would consist of Sublots 1, 2, 3, 4 and 5
- Lot 3 would consist of Sublots 1, 2, 3, 4 and 5



GENERAL SAMPLE INFORMATION

MaineDOT	HMA and PCC Sample Identification Form				Materials Testing and Exploration	
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description	HMA Mix – 9.5 mm		
	Date Sampled	7/24/2012	Sampler	J. Smith	Sampler's Employer	ABC Consulting
	WIN	17341.00	Town	Saco		
	Plant	Auburn Concrete		Location	Westbrook	
	Item No.	502.209	Lot No.	1	Sublot No. 2	Sublot Size
	MaineDOT Design No.					Comparison No.

Enter "Sublot No. " – PCC Samples – Method C

Method C

For Method C PCC items, the specified sampling rate is 1 sample Class. The required number of Method C samples (or Sublots) for each pay item on the project can be found in the Minimum Testing Requirements.

EXAMPLE - below, there would be 1 Lot, which would be divided into 3 Sublots. The samples would be identified as Sublot 1 Sublot 2 and Sublot 3.

MINIMUM TESTING REQUIREMENTS					
METHOD "C"		CY	3		Set(s) of 2 Cylinders
Total Number of Small Lots	3		3		Air test(s)
List Mixes By Item Number			3		Set(s) of 2 Cyl. For Rapid Chloride Permeability
<u>502.31 Struct Conc Approach Slabs:</u>	21 CY	Class A			
<u>502.49 Struct Conc SW & Curbs</u>	12 CY				
<u>526.34 Perm Conc Tran Barrier</u>	4 each			Note	All Cylinders 4 x 8 1 set tests per 50 CY *additional testing At option of Resident

GENERAL SAMPLE INFORMATION

MaineDOT	HMA and PCC Sample Identification Form				Materials Testing and Exploration		
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description	PCC - Class A			
	Date Sampled	7/24/2012	Sampler	J. Smith	Sampler's Employer	ABC Consulting	
	WIN	17341.00	Town	Saco			
	Plant	Auburn Concrete		Location	Westbrook		
	Item No.	502.208	Lot No.	1	Sublot No.	4	
					Sublot Size	725	
	MaineDOT Design No.					Comparison No.	

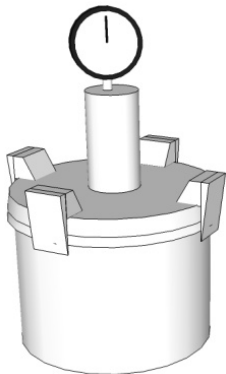
Enter "Sublot Size" – PCC Samples – Methods A and B

Methods A and B

Each Lot is divided into equal-sized Sublots (as determined using the guidelines in the 502 Specification).

- The quantity of mix in each Sublot is determined by dividing the mix quantity in the Lot by the number of Sublots.

EXAMPLE – For Item 502.21 (below), each Lot contains X CY, and is divided into 6 Sublots (6 samples). The Sublot Size = X CY/6, which equals a Sublot Size of X CY.



GENERAL SAMPLE INFORMATION

MaineDOT	HMA and PCC Sample Identification Form				Materials Testing and Exploration	
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description	HMA Mix – 9.5 mm		
	Date Sampled	7/24/2012	Sampler	J. Smith	Sampler's Employer	ABC Consulting
	WIN	17341.00	Town	Saco		
	Plant	Auburn Concrete		Location	Westbrook	
	Item No.	502.209	Lot No.	1	Sublot No.	1
					Sublot Size	225
	MaineDOT Design No.				Comparison No.	

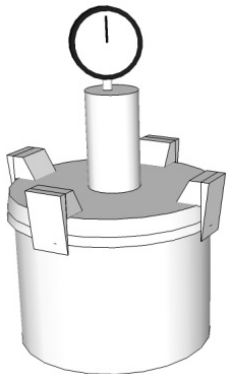
Enter "Sublot Size" – PCC Samples – Method C

Method C

For Method C PCC items, the specified sampling rate is 1 sample/Class. The required number of Method C samples for each pay item on the project can be found in the Minimum Testing Requirements.

The Sublot Size is determined by dividing the estimated tons of the HMA item by the number of Sublots.

EX: Sublot Size = 450 CY/2 Sublots = **225** CY.



GENERAL SAMPLE INFORMATION

MaineDOT	HMA and PCC Sample Identification Form				Materials Testing and Exploration			
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description	PCC - Class A				
	Date Sampled	7/24/2012	Sampler	J. Smith	Sampler's Employer	ABC Consulting		
	WIN	17341.00	Town	Saco				
	Plant	Auburn Concrete		Location	Westbrook			
	Item No	502.208	Lot No.	1	Sublot No.	4	Sublot Size	725
	MaineDOT Design No.	AUAB-12-1-A				Comparison No.		

Enter "MaineDOT Design No."

AUAB-12-1-A

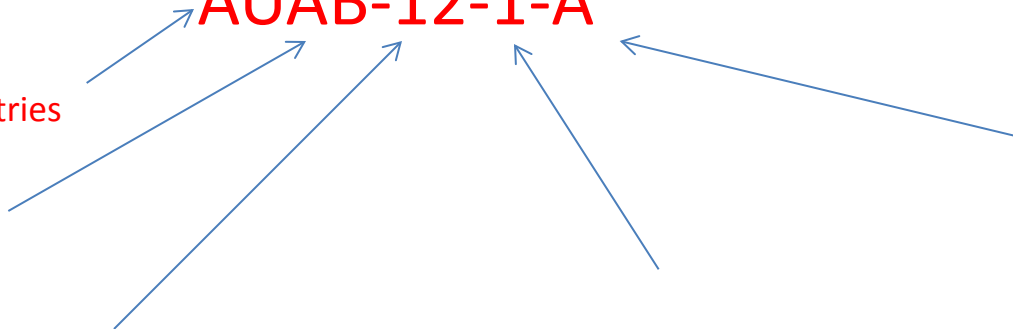
PCC Producer
AU= Auburn Concrete Industries

Plant Location
AB = Auburn

Year design was approved
12 = 2012

Design number

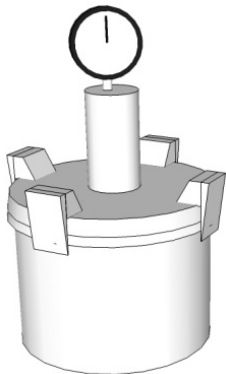
Mix Class
A = Class A
LP = Class LP
S = Class S
F = Class F



GENERAL SAMPLE INFORMATION

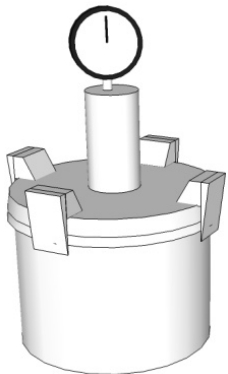
MaineDOT		HMA and PCC Sample Identification Form		Materials Testing and Exploration		
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	Reference Number	281301	Sample Description	PCC - Class A		
	Date Sampled	7/24/2012	Sampler	J. Smith	Sampler's Employer	ABC Consulting
	WIN	17341.00	Town	Saco		
	Plant	Auburn Concrete		Location	Westbrook	
	Item No.	502.208	Lot No.	1	Sublot No.	4
					Sublot Size	725
	MaineDOT Design No.	PII-WE11-75B-12R			Comparison No.	

“Comparison No.” – This is ONLY used by Independent Assurance technicians.



SAMPLE TYPE

<i>MaineDOT</i>	HMA and PCC Sample Identification Form	<i>Materials Testing and Exploration</i>
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	<p>The random samples taken during construction will almost always be Acceptance Method A, B, or C. Method D is exclusively used for HMA. The Acceptance Method will be designated on the Special Provision Section 502 page in the Contract book.</p>	



DETERMINING THE ACCEPTANCE METHOD

SPECIAL PROVISION
SECTION 502
STRUCTURAL CONCRETE
(QC/QA Acceptance Methods)

CLASS OF CONCRETE	ITEM NUMBER	DESCRIPTION	P	METHOD
A	502.219	Structural Conc. Abut. and Retaining Walls	\$400	A
A	502.26	Structural Concrete Superstructure Slab	\$400	A
A	518.50	Repair of Upward Facing Surfaces to Reinforcing Steel, <7.9 in.	N/A	C
A	518.51	Repair of Upward Facing Surfaces below Reinforcing Steel, <7.9 in	N/A	C
A	518.60	Repair of Vertical Surfaces <7.9 in	N/A	C
A	518.61	Repair of Vertical Surfaces ≥ 7.9 in	N/A	C
LP	502.49	Structural Concrete Curbs and Sidewalk	N/A	C
LP	526.34	Permanent Concrete Transition Barrier	N/A	C

P values listed above reflect the price per cubic yard (yd³) for all pay adjustment purposes.

SAMPLE TYPE

MaineDOT	HMA and PCC Sample Identification Form	Materials Testing and Exploration
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	<p>Independent Assurance samples are <u>ONLY</u> taken by IA technicians.</p>	

MaineDOT	HMA and PCC Sample Identification Form	Materials Testing and Exploration
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	<p>Verification samples are taken for the following reasons:</p> <ul style="list-style-type: none">• Prior to construction, to verify the mix design• To determine if contractor can resume production, following Shutdown/corrective action	

SAMPLE TYPE

MaineDOT	HMA and PCC Sample Identification Form	Materials Testing and Exploration
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	<p>Samples taken on Maintenance projects.</p>	

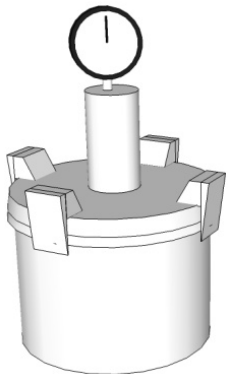
MaineDOT	HMA and PCC Sample Identification Form	Materials Testing and Exploration
<input type="checkbox"/> Accept. Method A <input type="checkbox"/> Accept. Method B <input type="checkbox"/> Accept. Method C <input type="checkbox"/> Accept. Method D <input type="checkbox"/> Indep. Assurance <input type="checkbox"/> Verification <input type="checkbox"/> Maintenance <input type="checkbox"/> Indep. Verification <input type="checkbox"/> QC <input type="checkbox"/> Other	<p>Independent Verification - samples that are used to validate contractor/consultant test results on Design-Build projects. QC – Splits of contractor QC samples. Other – Samples taken for information; all other samples.</p>	

PCC SAMPLE INFORMATION

Enter the following information on ALL PCC samples.

Portland Cement Concrete											
Admixtures Total (plant + jobsite) dosage Admixture oz/yd ³		Ticket No. 248674		<input type="checkbox"/> Slump, in. <input type="checkbox"/> Spread, in.		Air, %		Temp., °F		Actual w/c Ratio	
		Strength, <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Permeability, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Age to Break: 3 7 14 21 28		Age to Test: 14 28 56 120	
		Represents _____ of _____ yd ³ (total placement size)									
		Comments:									
										Revision 06/2011	

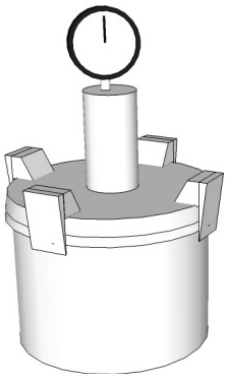
Enter "Ticket No. " – found on truck delivery slip.



PCC SAMPLE INFORMATION

Portland Cement Concrete										
Admixtures Total (plant + jobsite) dosage Admixture oz/yd ³		Ticket No. 248674		<input checked="" type="checkbox"/> Slump, in. 2 <input type="checkbox"/> Spread, in.		Air, %		Temp., °F		Actual w/c Ratio
		Strength, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Permeability, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Age to Break: 3 7 14 21 28		Age to Test: 14 28 56 120		
		Represents _____ of _____ yd ³ (total placement size)								
		Comments:								
Revision 06/2011										

If tested, check off the slump or Spread and enter the Slump or Spread of the concrete.

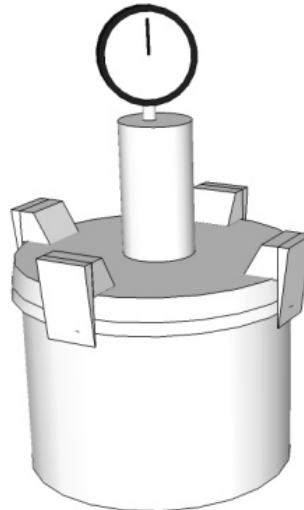


PCC SAMPLE INFORMATION

Portland Cement Concrete											
Admixtures Total (plant + jobsite) dosage Admixture oz/yd ³		Ticket No. 248674		<input checked="" type="checkbox"/> Slump, in. 2		Air, % 5.6		Temp., °F		Actual w/c Ratio	
		Strength, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Age to Break: 3 7 14 21 28		Permeability, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Age to Test: 14 28 56 120			
		Represents _____ of _____ yd ³ (total placement size)									
		Comments:									

Revision 06/2011

Enter the Air content of the mix.



PCC SAMPLE INFORMATION

Portland Cement Concrete										
Admixtures Total (plant + jobsite) dosage Admixture oz/yd ³		Ticket No. 248674	<input checked="" type="checkbox"/> Slump, in. 2		Air, % 5.6	Temp., °F 75		Actual w/c Ratio		
		Strength, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Age to Break: 3 7 14 21 28			Permeability, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Age to Test: 14 28 56 120			
		Represents _____ of _____ yd ³ (total placement size)								
		Comments:								

Revision 06/2011

Enter the Temperature of the mix.

PCC SAMPLE INFORMATION

Portland Cement Concrete									
Admixtures Total (plant + jobsite) dosage Admixture oz/yd ³		Ticket No. 248674	<input checked="" type="checkbox"/> Slump, in. 2		Air, % 5.6	Temp., °F 75	Actual w/c Ratio		
		Strength, <input type="checkbox"/> 3 <input type="checkbox"/> 7 <input type="checkbox"/> 14 <input type="checkbox"/> 21 <input type="checkbox"/> 28			Permeability, <input type="checkbox"/> 14 <input type="checkbox"/> 28 <input type="checkbox"/> 56 <input type="checkbox"/> 120				
		Age to Break: _____ Age to Test: _____							
		Represents _____ of _____ yd ³ (total placement size)							
		Comments:							
Revision 06/2011									

Enter the Actual water/cement ratio of the mix. This is done by using the amount of water and cement on the ticket along with any water added on site.

Example: Weights batched for a 10 yd³ load

Aggregates	Moisture from all sources	Cementitious materials
Sand = 12000 lbs	Sand: 4.8% - 1.8 Absorption = 3.0 % / 100 = .03 x 12000 lbs = 360 lbs	Cement 3170 lbs
Stone = 18000 lbs	Stone: 1.5% - 1.3 Absorption = 0.2 % / 100 = .002 x 18000 lbs = 36 lbs	Slag 3180 lbs
	Water added during batching was 210 gallons x 8.34 lbs/gal = 1751.4 lbs	Silica Fume 250 lbs
	Water added on site 20 gallons x 8.34 lbs.gal = 166.8 lbs	Total weight cementitious = 6600 lbs
	Corrosion Inhibitor: 3.0 gal/yd ³ X 10 yd ³ = 30 gal. X 7.0 lbs/gal of free water = 210 lbs	
	Total weight of water = 360 + 36 + 1751.4 + 166.8 + 210 = 2524.2 lbs	
W/C Ratio = 2524.2 lbs water/6600 lbs cementitious material = 0.382 = 0.38		

PCC SAMPLE INFORMATION

Water Cement Ratio

The Water Cement Ratio is the Ratio of ALL the free Water in the Mix to ALL the Cementitious material in The Mix.

Add the weights of Cementitious material together from the mix ticket (Cement, Slag, & Silica Fume etc.)

Total Cement = Cement + Slag = 3415lbs + 3209lbs = 6624lbs, so the total cement is 6624lbs.

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
WATER	WATER	205	205	
WATER	HOT WATER	0	0	
CEMENT	Dragon-TypeII	3300	3415	
CEMENT	Slag	3300	3209	
AGGREGATE	3/4 Stone	17700	17320	1.50
AGGREGATE	Sand-1	11840	11950	4.75
ADMIX	MICROAIR	13.00	11	
ADMIX	GLENIUM 7500	264.00	265	
ADMIX	POZZ 100XR	198.00	199	

72 oz Micro Air

30gals Available

PCC SAMPLE INFORMATION

Water Cement Ratio

The Water Cement Ratio is the Ratio of ALL the free Water in the Mix to ALL the Cementitious material in The Mix.

The Water added in the plant and in the field should be converted to pounds or whatever weight is being used if not measured as such.

In this case the gallons is given for the water added at the plant and needs to be converted in addition to the water added in the field.

The conversion is 8.34 lb per gallon of water, so 205 gallons * 8.34 lbs / gallon = 1709.4 lbs.

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
WATER	WATER	205	205	
WATER	HOT WATER	0	0	
CEMENT	Dragon Type II	3300	3415	
CEMENT	Slag	3300	3209	
AGGREGATE	3/4" Stone	17760	17520	1.50
AGGREGATE	Sand-1	11840	11950	4.75
ADMIX	MICROAIR	13.00	11	
ADMIX	GLENIUM 7500	264.00	265	
ADMIX	POZZ 100XR	198.00	199	

Cement = 6624 lbs

T2 02 Micro Air

30 gals Available

Additional notes from ticket:

added 10 Gallons of water at Site

added 2 oz. of Micro Air

10 Gallons * 8.34 lb/gallon = 83.4 lb

PCC SAMPLE INFORMATION

Water Cement Ratio

The Water Cement Ratio is the Ratio of ALL the free Water in the Mix to ALL the Cementitious material in The Mix.

The Free Water from the Aggregates needs to be added as well. Stockpile will have different Moisture content and Absorption.

The Stone here has a Moisture content of 1.50% and an Absorption of 0.55% (this can be found on the Mix Design)

Therefore: 17520 lbs * (1.50%-0.55%) = 166.44 lbs. , and for the Sand 11950 lbs * (4.75%-0.73%) = 480.39

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
WATER	WATER	205	205	
WATER	HOT WATER	0	0	
CEMENT	Dragon-TypeII	3300	3415	
CEMENT	Slag	3300	3200	
AGGREGATE	3/4" Stone	17760	17520	1.50
AGGREGATE	Sand-1	11840	11950	4.75
ADMIX	MICROAIR	13.00	11	
ADMIX	GLENIUM 7500	264.00	265	
ADMIX	POZZ 100XR	198.00	199	

Cement = 6624 lbs.
Water added = 1792.8 lbs

2 oz Micro Air

30 gals Available

Additional notes from ticket:

added 10 Gallons of water at Site

added 2 oz. of Micro Air

PCC SAMPLE INFORMATION

Water Cement Ratio

The Water Cement Ratio is the Ratio of ALL the free Water in the Mix to ALL the Cementitious material in The Mix.

Additional sources of water may include water in admixtures.

The admixtures in this example don't include any, but some used for Corrosion Inhibitors do. The information on available water is included on the Data Sheet for the product if there is any.

For example say this had a 3 gallon dosage of a corrosion inhibitor that had a replacement of 7 lbs/gallon (note that it's less than the typical weight of water per gallon), then for a 10 yd batch the water added is 3 gal/yd * 7 lbs. / gal * 10 yds. = 210 lbs.

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
WATER	WATER	205	205	
WATER	HOT WATER	0	0	
CEMENT	Dragon-TypeII	3300	3415	
CEMENT	Slag	3300	3209	
AGGREGATE	3/4" Stone	17760	17520	1.50
AGGREGATE	Sand-1	11840	11950	4.75
ADMIX	MICROAIR	13.00	11	
ADMIX	GLENIUM 7500	264.00	265	
ADMIX	POZZ 100XR	198.00	199	

2 oz Micro Air

30 gal Available

Cement = 6624 lbs.
 Water added = 1792.8 lbs.
 Water in Agg = 646.83

Additional notes from ticket:

added 10 Gallons of water at Site

added 2 oz. of Micro Air

The total water in this 10 YD batch is 1792.8 lbs + 646.83 = 2439.63

The Water to Cement Ratio is 2439.63 lbs / 6624 lbs = **0.37**

PCC SAMPLE INFORMATION

Portland Cement Concrete											
Admixtures Total (plant + jobsite) dosage Admixture oz/yd ³		Ticket No. 248674		<input checked="" type="checkbox"/> Slump, in. 2 <input type="checkbox"/> Spread, in.		Air, % 5.6		Temp., °F		Actual w/c Ratio 0.38	
		Strength, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Permeability, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Age to Break: 3 7 14 21 28		Age to Test: 14 28 56 120			
		Represents _____ of _____ yd ³ (total placement size)									
		Comments:									

Revision 06/2011

Check off the appropriate ages to break the cylinders for strength.

Age to Break:

- For acceptance samples the Age to Break should always be either 28 days or 56 days depending on the mix.
- The other ages are typically only used for maintenance or when required by special provision.



PCC SAMPLE INFORMATION

Portland Cement Concrete										
Admixtures Total (plant + jobsite) dosage Admixture oz/yd ³		Ticket No. 248674		<input checked="" type="checkbox"/> Slump, in. 2		Air, % 5.6		Temp., °F		Actual w/c Ratio
		Strength, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		Permeability, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Age to Break: 3 7 14 21 28		Age to Test: 14 28 56 120		
		Represents _____ of _____ yd ³ (total placement size)								
		Comments:								
Revision 06/2011										

Check off the appropriate ages to test for Permeability.

Age to Test:

- For acceptance samples the Age to Test should always be either 56 days or 120 days depending on the mix.
- The other ages are typically only used for maintenance or when required by special provision.

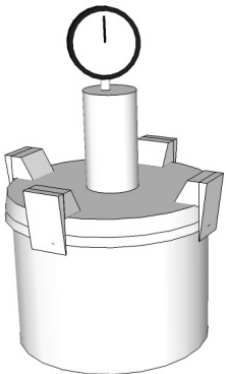


PCC SAMPLE INFORMATION

Portland Cement Concrete					
Admixtures Total (plant + jobsite) dosage Admixture oz/yd ³	Ticket No.	<input checked="" type="checkbox"/> Slump, in.	Air, %	Temp., °F	Actual w/c Ratio
	248674	<input type="checkbox"/> Spread, in.	5.6		
	Strength, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Permeability, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
	Age to Break: 3 7 11 21 28	Age to Test: 14 28 56 120			
	Represents _____ of _____ yd ³ (total placement size)				
	Comments:				

Revision 06/2011

Enter the number of yards the test represents out of the total placement size. In our example, The placement was 88 yards total and the load tested was the third 10 yard load. Therefore it represents 25 yard of the total 88 yard placement.



PCC SAMPLE INFORMATION

Portland Cement Concrete									
Admixtures Total (plant + jobsite) dosage oz/yd ³		Ticket No. 248674	<input checked="" type="checkbox"/> Slump, in. 2		Air, % 5.6	Temp., °F	Actual w/c Ratio		
Admixture		<input type="checkbox"/> Spread, in.		Permeability, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Age to Break: <input type="checkbox"/> 3 <input type="checkbox"/> 7 <input type="checkbox"/> 14 <input type="checkbox"/> 21 <input type="checkbox"/> 28			
		Age to Test: <input type="checkbox"/> 14 <input type="checkbox"/> 28 <input type="checkbox"/> 56 <input type="checkbox"/> 120		Represents 25 of 88 yd ³ (total placement size)					
		Comments:							

Revision 06/2011

Enter the admixtures added to the mix and the total dosage in ounces per cubic yard.

PCC SAMPLE INFORMATION

Admixtures

For admixtures, the TOTAL admixture dosage including the admixtures added both in the plant and at the field are needed. This dosage information needs to be in ounces per yard.

	MICROAIR	Glenium 7500	Pozz 100XR
Batch	11 oz	265 oz	199 oz
Field	2 oz	0 oz	0 oz
Total	13oz	265 oz	199 oz
Divided by			
Batch size	1.3 oz/yard	26.5 oz/yard	19.9 oz/yard

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
WATER	WATER	205	205	
WATER	HOT WATER	0	0	
CEMENT	Dragon-TypeII	3300	3415	
CEMENT	Slag	3300	3209	
AGGREGATE	3/4" Stone	17760	17520	1.50
AGGREGATE	Sand-1	11840	11950	4.75
ADMIX	MICROAIR	13.00	11	
ADMIX	GLENIUM 7500	264.00	265	
ADMIX	POZZ 100XR	198.00	199	

72 oz Micro Air

30gals Available

Additional notes from ticket:

- added 10 Gallons of water at Site
- added 2 oz. of Micro Air

PCC SAMPLE INFORMATION

Portland Cement Concrete						
Admixtures Total (plant + jobsite) dosage Admixture oz/yd ³		Ticket No. 248674	<input checked="" type="checkbox"/> Slump, in. 2 <input type="checkbox"/> Spread, in.	Air, % 5.6	Temp., °F	Actual w/c Ratio
Micro Air	1.30	Strength, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Age to Break: 3 7 14 21 28	Permeability, <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Age to Test: 14 28 56 120			
Glenium 7500	26.5	Represents 25 of 88 yd ³ (total placement size)				
Pozz 100XR	19.9	Comments:				

Revision 06/2011

Enter any comments you have about the sample.

The location of the concrete being place should be entered here as well.