



GEOTECHNICAL ▼ ENVIRONMENTAL ▼ INSPECTIONS ▼ TESTING

## REPORT OF CONCRETE FIELD & LABORATORY TESTING

**CLIENT:** Old Dominion Freight Lines  
500 Old Dominion Way  
Thomasville, NC. 27360  
Attn: Philip Danner

**PROJECT:** Old Dominion Building Expansion  
185 Rand Road  
Portland, ME

**DATE:** October 13, 2014 **REPORT #:** 14-55-00014-027

**General Location:** South side curb and gutter  
**Date Case:** 10/06/14  
**Field Rep:** Matthew Pellerin  
**Contractor:** Dirigo Slipform  
**Supplier:** Auburn Concrete  
**Admixtures:** Glenium 7500, Micro-Air, Fibermesh M70  
**Air Temp:** 63°F  
**Weather:** Sunny  
**Nominal size of Aggr:** ¾"

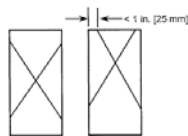
### FIELD TEST RESULTS

Ticket #/ #CYL*	ASTM C143 SLUMP TEST	ASTM C231 AIR CONTENT	ASTM C1064 TEMPERATURE °F	ELAPSED TIME Batch : Final Discharge
249950	3.75"	8.1%	78°F	1:00-3:06 / 126 mins
249955 / 5 cys	2.5"	5.0%	77°F	1:45-2:34 / 109 mins
249962	2.25"	5.4%	77°F	3:02-4:12 / 70 mins
249964	-	-	-	-

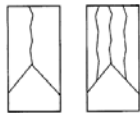
\*Specimens molded in accordance with ASTM C31

### LABORATORY COMPRESSIVE STRENGTH TESTING ASTM C39

Date of Test	Age	Specimen Area (in <sup>2</sup> )	PSI	Break Type
10/13/14	7	12.56 <sup>2</sup>	6230	3
11/03/14	28	12.56 <sup>2</sup>		
11/03/14	28	12.56 <sup>2</sup>		
11/03/14	28	12.56 <sup>2</sup>		
-	Hold	12.56 <sup>2</sup>		



Type 1  
Reasonably well-formed  
cones on both ends, less  
than 1 in. (25 mm) of  
cracking through caps



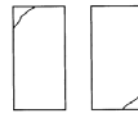
Type 2  
Well-formed cone on one  
end, vertical cracks running  
through caps, no well-  
defined cone on other end



Type 3  
Columnar vertical cracking  
through both ends, no well-  
formed cones



Type 4  
Diagonal fracture with no  
cracking through ends;  
tap with hammer to  
distinguish from Type 1



Type 5  
Side fractures at top or  
bottom (occur commonly  
with unbanded caps)



Type 6  
Similar to Type 5 but end  
of cylinder is pointed

**Specific Sample Location:** Infront of bay #37  
**Yards placed:** 40.0 yards  
**Design Strength:** 5000 PSI  
**Remarks:**