



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: September 17, 2014 **REPORT #:** 14-55-00014-015

General Location: Slab on Grade, line 10-16 on A-B
Cast Date: 09/10/14
Field Rep: Tristan Brackett
Contractor: Lajoie Brothers
Supplier: Hissong Ready Mix
Admixtures: MRWR, BASF, Glenium 7500
Air Temp: 67°F
Weather: Clear
Nominal size of Aggr: 1 1/2"

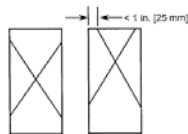
FIELD TEST RESULTS

Ticket #/ #CYL*	ASTM C143 SLUMP TEST	ASTM C231 AIR CONTENT	ASTM C1064 TEMPERATURE °F	ELAPSED TIME Batch : Final Discharge
252650 / 4 clys	6.5"	2.5%	74°F	6:08-6:55 / 47 mins
252651	-	-	-	6:18-7:02 / 44 mins
252652	-	-	-	6:27-7:11 / 44 mins
252653	-	-	-	6:37-7:19 / 42 mins
252654	-	-	-	6:46-7:27 / 41 mins

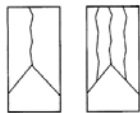
*Specimens molded in accordance with ASTM C31

LABORATORY COMPRESSIVE STRENGTH TESTING ASTM C39

Date of Test	Age	Specimen Area (in ²)	PSI	Break Type
09/17/14	7	12.56 ²	3160	2
10/08/14	28	12.56 ²		
10/08/14	28	12.56 ²		
	Hold	12.56 ²		



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



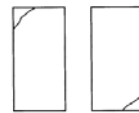
Type 2
Well-formed cone on one end, vertical cracks running through caps, no well-defined cone on other end



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 unbonded caps)



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

Specific Sample Location:	Line 13.1 on A.5
Yards placed:	100.0 yards
Design Strength:	3500 PSI
Remarks:	



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Supplier: Hissong Ready Mix
Admixtures: MRWR, BASF, Glenium 7500
Air Temp: 67°F
Weather: Clear
Nominal size of Aggr: 1 1/2"

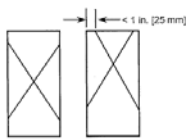
FIELD TEST RESULTS

Ticket #/ #CYL*	ASTM C143 SLUMP TEST	ASTM C231 AIR CONTENT	ASTM C1064 TEMPERATURE °F	ELAPSED TIME Batch : Final Discharge
252655 / 4 cyls	4.75"	2.3%	75°F	6:55-7:36 / 41 mins
252656	-	-	-	7:04-7:44 / 40 mins
252657	-	-	-	7:13-7:55 / 42 mins
252658	-	-	-	7:23-8:09 / 46 mins

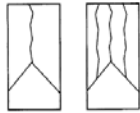
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LABORATORY COMPRESSIVE STRENGTH TESTING ASTM C39

Date of Test	Age	Specimen Area (in ²)	PSI	Break Type
09/17/14	7	12.56 ²	3240	2
10/08/14	28	12.56 ²		
10/08/14	28	12.56 ²		
	Hold	12.56 ²		



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



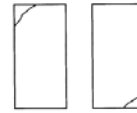
Type 2
Well-formed cone on one end, vertical cracks running through caps, no well-defined cone on other end



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 unbonded caps)



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

Specific Sample Location:	Line 11.8 on A.3
Yards placed:	140.0 yards
Design Strength:	3500 PSI
Remarks:	



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Supplier: Hissong Ready Mix
Admixtures: MRWR, BASF, Glenium 7500
Air Temp: 67°F
Weather: Clear
Nominal size of Aggr: 1 1/2"

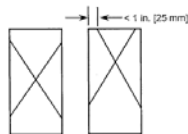
FIELD TEST RESULTS

Ticket #/ #CYL*	ASTM C143 SLUMP TEST	ASTM C231 AIR CONTENT	ASTM C1064 TEMPERATURE °F	ELAPSED TIME Batch : Final Discharge
252645 / 4 cyls	6.0"	2.4%	74°F	5:20-6:15 / 55 mins
252646	-	-	-	5:36-6:22 / 46 mins
252647	-	-	-	5:45-6:30 / 45 mins
252648	-	-	-	5:52-6:36 / 44 mins
252649	-	-	-	6:00-6:46 / 46 mins

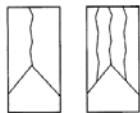
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LABORATORY COMPRESSIVE STRENGTH TESTING ASTM C39

Date of Test	Age	Specimen Area (in ²)	PSI	Break Type
09/17/14	7	12.56 ²	3020	2
10/08/14	28	12.56 ²		
10/08/14	28	12.56 ²		
	Hold	12.56 ²		



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



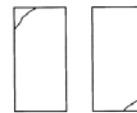
Type 2
Well-formed cone on one end, vertical cracks running through caps, no well-defined cone on other end



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 unbonded caps)



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

Specific Sample Location:	Line 15.8 on A.2
Yards placed:	50.0 yards
Design Strength:	3500 PSI
Remarks:	