

CONCRETE COMPRESSIVE STRENGTH TEST REPORT



Report Number: J3171016.0001B
Service Date: 07/28/17
Report Date: 08/28/17 Revision 2 -
Task:

220 Industrial Way Unit 4
Portland, ME 04103-1279
207-828-5374

Client

White Mountain Communications Corp
Attn: Dennis Tupick
18 Glen Road
Gorham, NH 03581

Project

Lucas Tree - White Mountain Comm. Tower
636 Riverside Road
Portland, ME

Project Number: J3171016

Material Information

Specified Strength: 4,000 psi @ 28 days
Mix ID: 5043314A
Supplier: Hissong Ready Mix & Aggregate
Batch Time: 0947 Plant: Portland, Maine
Truck No.: 313 Ticket No.: 6277

Sample Information

Sample Date: 07/28/17 Sample Time:
Sampled By: Dylan Young
Weather Conditions: Sunny Clear
Accumulative Yards: 44 Batch Size (cy): 11
Placement Method: Pump
Water Added Before (gal): 0
Water Added After (gal): 0
Sample Location: 120' Self-Supporting Pole Structure
Drilled Shaft Foundation Lucas Tree
Placement Location: 120' Self Supporting Pole Structure
Drilled Shaft Foundation Lucas Tree
bottom lift 0-2'

Field Test Data

| Test | Result | Specification |
|-------------------------|--------|---------------|
| Slump (in): | 8 1/2 | 0 - 9 |
| Air Content (%): | 5.5 | 4.5 - 7.5 |
| Concrete Temp. (F): | 80 | 50 - 90 |
| Ambient Temp. (F): | 72 | Min 32 |
| Plastic Unit Wt. (pcf): | | |
| Yield (Cu. Yds.): | | |

Laboratory Test Data

| Set No. | Specimen ID | Avg Diam. (in) | Area (sq in) | Date Received | Specimen Weight (lbs) | Date Tested | Age at Test (days) | Maximum Load (lbs) | Compressive Strength (psi) | Fracture Type |
|---------|-------------|----------------|--------------|---------------|-----------------------|-------------|--------------------------|--------------------|----------------------------|---------------|
| 1 | A | 4.00 | 12.57 | | | 07/31/17 | 3 | 64,145 | 5,100 | |
| 1 | B | 4.00 | 12.57 | | | 07/31/17 | 3 | 67,930 | 5,410 | |
| | | | | | | | Average (3 days) | | 5,260 | |
| 1 | C | 4.00 | 12.57 | | 8.49 | 08/04/17 | 7 | 81,560 | 6,490 | 5 |
| 1 | D | 4.00 | 12.57 | | 8.48 | 08/04/17 | 7 | 77,930 | 6,200 | 6 |
| | | | | | | | Average (7 days) | | 6,350 | |
| 1 | E | 4.00 | 12.57 | | 8.38 | 08/25/17 | 28 | 102,950 | 8,190 | 3 |
| 1 | F | 4.00 | 12.57 | | 8.46 | 08/25/17 | 28 | 97,370 | 7,750 | 3 |
| | | | | | | | Average (28 days) | | 7,970 | |
| 1 | G | 4.00 | 12.57 | | | 09/22/17 | 56 | | | |

Initial Cure:

Final Cure:

Comments: Average compressive strength of 28 day cylinders complies with the specified strength. Not tested for plastic unit weight.

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

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Terracon

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Portland, ME

Project Number: J3171016

**Samples Made By: Terracon
Services:**

Terracon Rep.: Dylan Young

Reported To:

Contractor:

Report Distribution:

(1) White Mountain Communications Corp,
Dennis Tupick

Reviewed By:



Lawrence Provost

Field Project Manager-Professional

Test Methods: ASTM C39, ASTM C143, ASTM C172, ASTM C231, ASTM C1064, ASTM C31

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