



10 INDUSTRIAL AVENUE, SUITE 3  
MAHWAH, NJ 07430

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March 2, 2016

Attorney Melanie Bachman  
Acting Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

RE: EMT-T-Mobile-109-160106  
T-Mobile Site Id CT11155F  
56 Roper Road, Plainfield, CT  
**Notice of Construction Complete**

Dear Attorney Bachman,

This office represents T-Mobile Northeast LLC ("T-Mobile") and has been retained to notify the Connecticut Siting Council ("Council") that the exempt modification decision conditions have been met and constructed in accordance with the documentation provided at the time of filing.

The Council acknowledged the above referenced T-Mobile notice of exempt modification on January 25, 2016.

The Council imposed the following condition in its acknowledgment:

- Within 45 days following completion of the equipment installation, T-Mobile shall provide documentation that its installation complied with the recommendations of the Structural Analysis Report.

The attached Statement of Special Inspections provides evidence of compliance with the conditions outlined by the Council.

Sincerely,

A handwritten signature in cursive script that reads "Jamie Marchini".

Jamie Marchini  
Project Manager  
Transcend Wireless LLC on behalf of T-Mobile  
10 Industrial Ave, Suite 3  
Mahwah, NJ 07430

# Final Report of Special Inspections

Project: *T-Mobile 700MHz – Plainfield / I-395 X90\_1 (CT11155F)*  
Building Permit: *B2016-2221*  
Exempt Mod. No. *EM-T-MOBILE-109-160106*  
Location: *56 Roper Road  
Plainfield, CT*  
Owner: *T-Mobile Northeast, LLC*  
Owner's Address: *35 Griffin Road South  
Bloomfield, CT 06002*  
Engineer of Record: *Thomas E. Johnson (civil)  
ProTerra Design Group, LLC*

To the best of my information, knowledge and belief, no special inspections were required for this project. A general visual inspection from ground level of completed construction has been performed as noted in the attached field inspection report and all discovered discrepancies have been reported and resolved.

Based on my knowledge, information and belief the completed construction substantially conforms to the approved plans, Connecticut State Building Code, Structural Standards for Steel Antenna Towers and Antenna Supporting Systems (ANSI/TIA/EIA-222-F), the equipment manufacturer's installation guidelines, and the following:

1. Final Construction Drawings prepared by ProTerra Design Group, LLC revised through October 13, 2015.
2. Passing Structural Analysis prepared by Tower Engineering Solutions dated November 17, 2015

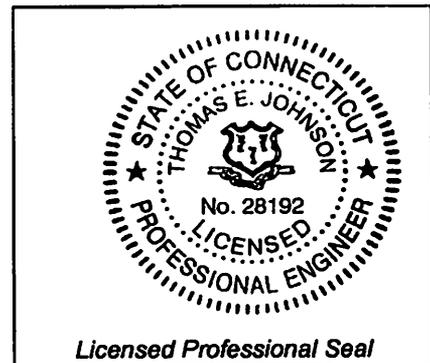
All deviations from the approved plans do not endanger the intended occupancy of the facility and equipment substitutions are approved as equivalent to the original specifications. Construction has been satisfactorily completed.

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,  
Special Inspector

*Thomas E. Johnson, P.E.*  
\_\_\_\_\_  
(Type or print name)

  
Signature \_\_\_\_\_ Date *3/23/16*





**PREPARED BY:** ProTerra Design Group, LLC  
 4 Bay Road  
 Building A; Suite 200  
 Hadley, MA 01035  
 413-320-4918

**SUBMITTED TO:** Peter Nute  
 SBA Communications Corp.  
 134 Flanders Road  
 Suite 125  
 Westborough, MA 01581

FIELD INSPECTION REPORT	
<b>DATE</b> March 23, 2016	<b>JOB #</b> 15-001
<b>PROJECT</b> T-Mobile L700 Alteration ( <b>Building Permit #B2016-2221</b> ) T-Mobile Site Name: Plainfield / I-395 X90_1 T-Mobile Site No.: CT11155F 56 Roper Road Plainfield, CT	
<b>CONTRACTOR</b> Northeast Towers, Inc.	<b>OWNER</b> T-Mobile Northeast, LLC
<b>WEATHER</b> Cloudy, 50° F	<b>TIME</b> 1:00 PM
<b>PRESENT AT SITE</b> Bryan Johnson	<b>ORGANIZATION</b> Contractor for ProTerra Design Group, LLC

Pursuant to the 2005 State building Code supplement to the IBC 2003 Section 109 *Inspections* the following is a report documenting the construction which has been completed to date at the above-mentioned site. The following report documents the visual inspection from ground level of completed construction for general conformance with **T-Mobile L700 Alteration** construction drawings by ProTerra Design Group, LLC.

The following items have been completed:

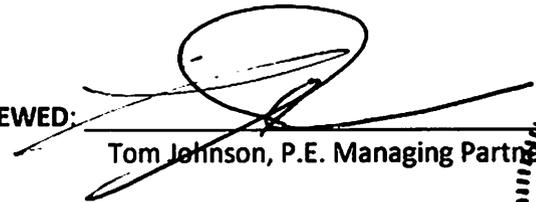
- 1) The structural modifications to the monopole have been completed and inspected as noted in a Modification Inspection Report prepared by Tower Engineering Solutions dated March 21, 2016.
- 2) Three existing panel antennas and three existing TMAs (one pair per sector) have been removed.
- 3) Three existing 2" (2-3/8" O.D.) pipe mounts (one per sector) were replaced with 2-1/2" (2-7/8" O.D.) pipe mounts.
- 4) Three GSM/LTE panel antennas and three TMAs (one pair per sector) were added on the existing pipe mounts. The panel antennas are vertically centered between the platform and handrail.
- 5) Three L700 panel antennas and three Smart Bias Ts (one pair per sector) were added on the new pipe mounts. The panel antennas are vertically centered between the platform and handrail.
- 6) A platform reinforcement kit has been added to the existing platform
- 7) Six lengths of coaxial cable have been run from the antenna level, through the monopole, and over existing ice bridges to the cabinets at ground level.
- 8) It has been presumed that RAN equipment has been added inside the existing 6201 cabinet.
- 9) A battery cabinet has been secured to the existing concrete pad. The make and model of battery cabinet differs from that shown on the construction drawings. This change is acceptable.
- 10) A new conduit has been run over the concrete pad from the new battery cabinet to the existing 6201 cabinet.

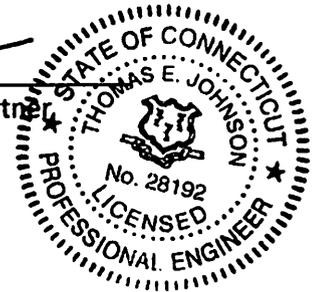
- 11) A 15 amp, single pole breaker has not been added to the breaker panel for the new battery cabinet as shown on the construction drawings. It has been presumed that the breaker was not required for the model of battery cabinet installed.
- 12) It is assumed that the electrical work was completed by a licensed electrician and a permit has been pulled and signed off on by the authority having jurisdiction.
- 13) New components were connected to the existing ground system.
- 14) Site is clean.

The comments in this field report are a record of observations made on site. If there are any errors or omissions please notify ProTerra Design Group, LLC in writing or all comments and all parties shall consider this report factual and acceptable.

COPIES TO: File

SUBMITTED:   
Michael Visniewski, Project Engineer

REVIEWED:   
Tom Johnson, P.E. Managing Partner





Typical sector showing GSM/LTE panel antenna and TMA, L700 panel antenna and Smart Bias T, and reinforcement kit



New coaxial cables (three and four colored stripes) and existing coaxial cables



New battery cabinet (left) and existing 6201 cabinet (right)