

Please Reply To:
Sam Simons
35 Griffin Road South
Bloomfield, CT 06002
203-482-5156
Sam.Simons@T-Mobile.com

September 13, 2016

Attorney Melanie Bachman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06501

EM-T-MOBILE-046-150506
T-Mobile Site ID CT11243A
275 North Street, Easton CT
Notice of Compliance with Conditions and Construction Completion

Dear Attorney Bachman:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Prior to antenna installation, T-Mobile shall perform modifications in accordance with the structural analysis report prepared by Tower Engineering Solutions, and date/stamp April 13, 2015 by Jaime Reyes and Modification and Design Drawing date/stamp April 23, 2015 by Hanming You;
- Within 45 days following completion of the equipment installation, T-Mobile shall provide documentation certified by a professional engineer that its installation complied with the recommendations of the Structural Engineer;
- Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Within 45 days after completion of construction, the Council shall be notified in writing that **construction has been completed**;
- Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by T-Mobile shall be removed within 60 days of the date the antenna ceased to function;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

The attached PE Closeout Letter dated September 6, 2016 provides evidence of compliance with the conditions outlined by the Council.

In addition, T-Mobile hereby notifies the Council that construction of the acknowledged modifications were complete as of November 21, 2015.

Sincerely,



Samuel Simons, Engineering Development - Connecticut

Final Report of Special Inspections – Rev1

Project: *T-Mobile 700MHz – CT11243A –Easton-2 / Rt 59*

Exempt Mod. No. *EM-T-MOBILE-046-150506*

Location: *275 North Street
Easton, CT 06612*

Owner: *T-Mobile Northeast, LLC*

Owner's Address: *35 Griffin Road South
Bloomfield, CT 06002*

Engineer of Record: *Derek J. Creaser (CT Reg. No. 28551)
Hudson Design Group, LLC
1600 Osgood Street, Building 20 North, Suite 3090
North Andover, MA 01845*

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 following:

1. Final Construction Drawings prepared by Hudson Design Group, LLC dated 11/24/2015 REV2.
2. Passing Tower Structural Analysis prepared by Tower Engineering Solutions dated 4/13/2015.
3. Passing Modifications Inspection report prepared by Tower Engineering Solutions dated 9/14/2015.

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,
ProTerra Design Group, LLC

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

Signature

9/6/16
Date



Licensed Professional Seal



PREPARED BY: ProTerra Design Group, LLC
 4 Bay Road
 Building A; Suite 200
 Hadley, MA 01035

SUBMITTED: Mr. Bryan Bakis, P.E.
TO: Design and A&E
 Implementation Manager
 SBA Communications Corp.
 134 Flanders Rd., Suite 125
 Westborough, MA 01581

FIELD INSPECTION REPORT		
<u>INSPECTION DATE</u> February 11, 2016		<u>JOB NO.</u> 15-001
<u>REPORT ISSUE DATE</u>	<u>REVISION</u>	<u>COMMENTS</u>
2/17/2016	0	Punch Items
7/26/2016	1	Final
<u>PROJECT</u>		
T-Mobile L700 Alteration		
T-Mobile Site Name: Easton-2/Rt 59		
T-Mobile Site No.: CT11243A		
275 North Street		
Easton, CT 06612		
<u>CONTRACTOR</u>		<u>OWNER</u>
Northeast Towers, Inc.		T-Mobile Northeast, LLC
<u>WEATHER</u>		<u>TIME</u>
Cloudy, 40° F		3:00 PM
<u>PRESENT AT SITE</u>		<u>ORGANIZATION</u>
Victor Moreno		ProTerra Design Group, LLC

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 prepared by Hudson Design Group, LLC, 1600 Osgood Street, Building 20 North, Suite 3090, North Andover, MA 01845 dated November 24, 2015, sealed by Derek J. Creaser CT Reg. No. 28551.

- 1) The structural modifications have been completed and inspected by Tower Engineering Solutions. The Modification Inspection Report dated September 4, 2015 states that "... the modification has been completed in accordance with the design modification drawings."
- 2) Three existing sector frames (one per sector) have been modified by shortening radials and face pipes.
- 3) Three existing vacant pipe mounts (one per sector) have been replaced with 2-1/2" (2-7/8" O.D.) pipe mounts.
- 4) Three new panel antennas and three Smart Bias Ts (one pair per sector) have been added to the replacement pipe mounts. The antennas are vertically centered on the sector frames. The antennas have been painted to match the existing camouflage branches.
- 5) Six lengths of coaxial cables were run from the antenna level, on the monopole face utilizing new single-stack brackets and banding, and over existing ice bridges to the ground equipment area. The monopole ladder is clear.
- 6) It has been presumed that RAN equipment has been added inside the existing 6201 cabinet at ground level.

- 7) A new BBU cabinet has been secured to the concrete pad. The make and model of cabinet differs from that shown on the construction drawings. It does not appear that a battery heater circuit was installed.
- 8) Conduit has been run from the new BBU to the existing 6201 cabinet.
- 9) 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 as required.
- 10) New components were connected to the existing ground system.
- 11) Site is clean.

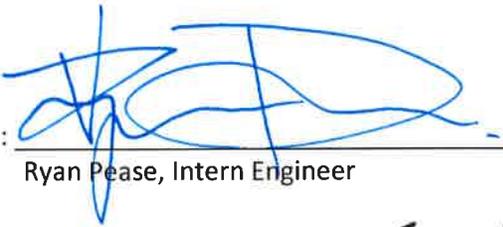
The following items may require repair or modification:

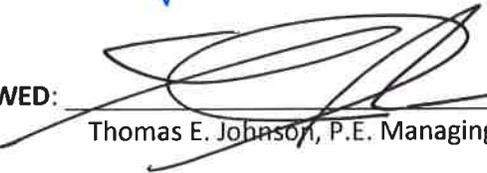
Note: All deficiencies resolved – acceptable contractor resolution denoted in green bold italics type below.

1. The new coaxial cables, brackets, and banding do not appear to have been painted to match the tower as required on the construction drawings. The coaxial cables, brackets, and banding shall be painted. The existing panel antennas are not painted to match the tower or have paint which has faded. It is recommended these components be painted along with the coaxial cables noted above.
 - 1.1. Contractor returned to site and painted the brackets, confirmed with photos provided by the contractor. Future T-Mobile Tower top modifications shall include repainting of equipment to match the existing tower as required.***
2. The construction drawings require the six new coaxial cables to be secured to the monopole with brackets and banding spaced every 4' maximum. There does not appear to be any brackets or banding for the topmost 30' of the cable run. Strain relief is provided by laced grips secured to the sector frame collar. The laced grips shall be modified to hang from the tower and not from the sector frame or sector frame collar.
 - 2.1. The required coax brackets have been installed through the remaining length of the monopole as required (see contractor photo).***
3. A spare breaker slot in the breaker panel has a knock-out removed and is open to the inside of the panel. A blank shall be added over this hole per NEC.
 - 3.1. Contractor returned to site and installed a new breaker cover as required (see contractor photo).***
4. The existing 100 amp, 2 pole main breaker has not been upgraded to a 200 amp breaker as shown on the construction drawings. The existing 60 amp, 2 pole breaker for the 6201 cabinet has not been upgraded to an 80 amp breaker as shown on the construction drawings. A licensed electrician shall determine the extent of required electrical upgrades and confirm scope with T-Mobile.
 - 4.1. The proposed 100A-2P breaker was not installed as shown in the construction drawings. The existing 60A-2P breaker remains to feed the 6201 cabinet. This is an approved construction document deviation, and the 100A upgrade would exceed the 60A UL rating on the cabinet as determined by the contractor.***

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: 
Ryan Pease, Intern Engineer

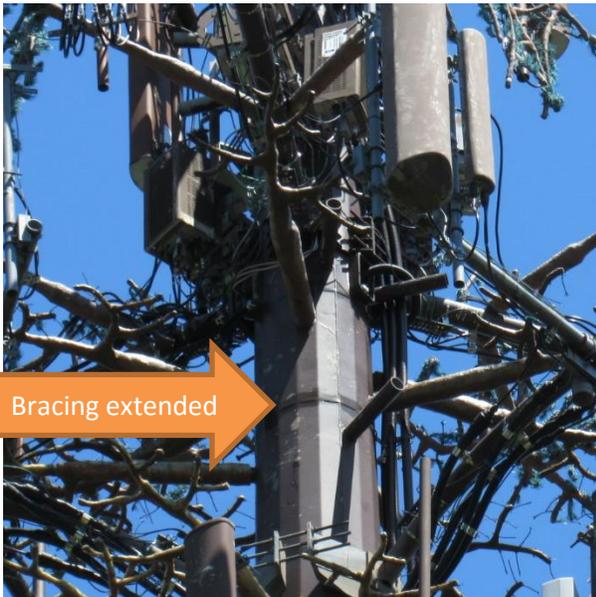
REVIEWED: 
Thomas E. Johnson, P.E. Managing Partner



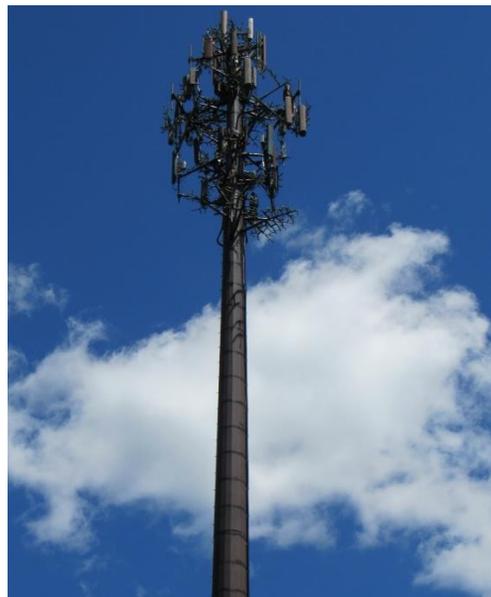
7-26-16



Typical sector showing new panel antenna (left) and old panel antenna (right) on modified sector frame



Coaxial cable run with bracing extended. (Contractor photo)



Painted coax bracing. (Contractor photo)

