

•T•••Mobile•

Please Reply To:
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August 5, 2015

Attorney Melanie Bachman
Acting Executive Director
Connecticut Siting Council Ten
Franklin Square
New Britain, CT 06501

EM-T-MOBILE-166-140529
T-Mobile Site ID CT11477B
1140 Wolcott Rd, Wolcott CT
Notice of Construction Completion

Dear Attorney Bachman:

The Connecticut Siting Council ("Council") acknowledged the above referenced T-Mobile Northeast LLC ("T-Mobile") notice of exempt modification on June 23, 2014. The Council imposed the following condition in its acknowledgment:

- Install the coax in accordance with the structural analysis report prepared by ATC, stamped by William Garrett, May 7, 2014;
- Within 45 days following completion of the antenna installation, T-Mobile shall provide documentation certified by a professional engineer that its installation complied with the requirements of the structural analysis;
- 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 July 29, 2015, 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 March 16, 2015.

Please don't hesitate to contact me with any questions.

Sincerely,

Sam Simons

Samuel Simons, T-Mobile

CC: Mark Richard, T-Mobile

Date: **July 30, 2015**

Sam Simons
Engineering Development - Connecticut
T-Mobile
35 Griffin Road South
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Paul J Ford and Company
250 E. Broad St., Suite 600
Columbus, OH 43215
614-221-6679

Subject: Structural Opinion Letter

Carrier Designation: *T-Mobile Co-Locate*
Carrier Site Number: EM-T-MOBILE-166-140529
Carrier Site Name: CT11477B

Engineering Firm Designation: *Paul J Ford and Company Project Number:* 79915-0015.001.7100

Site Data: *1140 Wolcott Road, CT 06716*
Latitude 41° 37' 3.18", Longitude -72° 58' 28.53"
180 Foot – Self-Supported Tower

Dear Sam Simons,

Paul J. Ford and Company is pleased to submit this “**Structural Opinion Letter**” for the structural integrity of the aforementioned self-supported tower. The purpose of the opinion letter is to determine the suitability of the self-supported tower with the proposed and existing loading as specified in Tables 1 & 2 on the next two pages. The opinion is consistent with the guidelines as stated in the ANSI/TIA-222-G-2005 Standard, “Structural Standard for Antenna Supporting Structures and Antennas”, with ANSI/TIA-222-G-1-2007 and ANSI/TIA-222-G-2-2009 Addenda using a 3-second gust wind speed of 95 mph with no ice, 50 mph with 3/4 inch ice thickness and 60 mph under service loads, Exposure Category B with Topographic Category 1 and crest height of 0 feet.

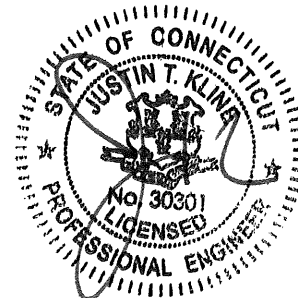
Based on a comparison of the verified proposed loading (shown Table 1 & 2) versus the previous analysis loads (including wind speeds) from American Tower Corporation (job number 58044421, dated April 25, 2014) we have determined that loading is similar and should not change the opinions concluded by others.

We at *Paul J. Ford and Company* appreciate the opportunity of providing our continuing professional services to you. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted by:



Corey McCartney, EI
Structural Designer



7-30-15

Table 1 - Proposed Antenna and Cable Information

| Mounting Level (ft) | Center Line Elevation (ft) | Number of Antennas | Antenna Manufacturer | Antenna Model | Number of Feed Lines | Feed Line Size (in) | Note |
|---------------------|----------------------------|--------------------|----------------------|---------------------------------------|----------------------|---------------------|------|
| 162.0 | 162.0 | 3 | ericsson | ERICSSON AIR 21 B2A B4P w/ Mount Pipe | 1 | 1-5/8 | 1 |
| | | 3 | ericsson | ERICSSON AIR 21 B4A B2P w/ Mount Pipe | | | |
| | | 3 | ericsson | KRY 112 144/1 | | | |
| | | 3 | andrew | LNX-6515DS-A1M | | | |
| | | 3 | ericsson | RRUS 11 B12 Radios | | | |

Notes:

- 1) Verified antenna/coax installation heights and quantities

Table 2 - Existing Antenna and Cable Information

| Mounting Level (ft) | Center Line Elevation (ft) | Number of Antennas | Antenna Manufacturer | Antenna Model | Number of Feed Lines | Feed Line Size (in) | Note |
|---------------------|----------------------------|--------------------|----------------------|----------------|----------------------|---------------------|------|
| 180.0 | 187.0 | 2 | miscellaneous | 15' Omni | 2 | 1/2 | 1 |
| | 180.0 | 1 | tower mounts | Leg Mount | | | |
| 174.0 | 180.0 | 1 | miscellaneous | 12' Omni | 1 | 1/2 | 1 |
| | 174.0 | 1 | tower mounts | Side Arm Mount | | | |
| 162.0 | 162.0 | 1 | tower mounts | Sector Mount | 12 | 1-5/8 | 1 |
| 103.0 | 112.0 | 1 | miscellaneous | 18' Dipole | 1 | 1/2 | 1 |
| | 103.0 | 1 | tower mounts | Leg Mount | | | |
| 84.0 | 94.0 | 1 | miscellaneous | 20' Omni | 1 | 1/2 | 1 |
| | 84.0 | 1 | tower mounts | Side Arm Mount | | | |
| 61.0 | 72.0 | 1 | miscellaneous | 18' Omni | 1 | 1/2 | 1 |
| | 61.0 | 1 | tower mounts | Side Arm Mount | | | |
| 55.0 | 66.0 | 1 | miscellaneous | 18' Omni | 1 | 1/2 | 1 |
| | 55.0 | 1 | tower mounts | Side Arm Mount | | | |
| 45.0 | 50.0 | 1 | miscellaneous | 10' Dipole | 1 | 1/2 | 1 |
| | 45.0 | 1 | tower mounts | Leg Mount | | | |

Notes:

- 1) Existing Equipment