

· T · · Mobile ·

Please Reply To:  
Sam Simons  
35 Griffin Road South  
Bloomfield, CT 06002  
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Sam.Simons@T-  
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October 6, 2015

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

**EM-T-MOBILE-155-150326**

T-Mobile Site ID CT11170C

1030 New Britain Avenue; West Hartford, Connecticut.

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:

- Install coax accordance with the structural analysis report prepared by Paul J. Ford and Co., dated February 6, 2015 and stamped by Joseph P.Jacobs on March 20, 2015;
- 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 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 Northeast LLC 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 28, 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 July 30, 2015.

Sincerely,

*Sam Simons*

Samuel Simons, T-Mobile

CC: Mark Richard, T-Mobile

Date: **September 28, 2015**

Sam Simons  
Engineering Development - Connecticut  
T-Mobile  
35 Griffin Road South  
Bloomfield, CT 06002

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:** CT11170C  
**Siting Council ID:** EM-T-Mobile-155-150326

**Engineering Firm Designation:** Paul J Ford and Company Project Number: 79915-0030.001.7100

**Site Data:** 1020-1030 New Britain Ave, West Hartford, CT  
180 Foot – Self Support Tower

Dear Sam Simons,

Paul J. Ford and Company is pleased to submit this “**Structural Opinion Letter**” for the structural integrity of the aforementioned tower. The purpose of the opinion letter is to determine the suitability of the 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 2005 Connecticut Building Code and the TIA/EIA-222-F Structural Standards for Steel Antenna Towers and Antenna Supporting Structures using a fastest mile wind speed of 80 mph with no ice, 69 mph with 0.5 inch ice thickness and 50 mph under service loads.

Based on a comparison of the verified proposed loading (shown Table 1 & 2) versus the previous analysis loads (including wind speeds) from Paul J. Ford and Company (job number 64114-0002.003.8700, dated February 6, 2015) we have determined that loading is similar and should not change the results of the analysis.

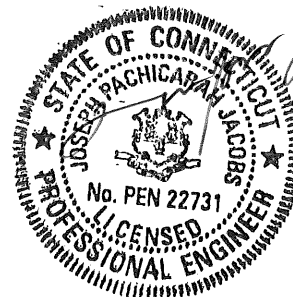
Based upon a review of the photos provided, it appears that the antennas and equipment listed in Table 1 have been installed.

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:



Jared Smith, EI *KJS*  
Structural Designer



Date: **September 28, 2015**

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Engineering Development - Connecticut  
T-Mobile  
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Bloomfield, CT 06002

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CT11170C  
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**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 |
|---------------------|----------------------------|--------------------|----------------------|---------------|----------------------|---------------------|------|
| 165.0               | 165.0                      | 3                  | -                    | AIR 21 B4/B12 | -                    | -                   | 1    |
|                     |                            | 3                  | -                    | KRY 112 71    |                      |                     |      |
|                     |                            | 3                  | -                    | RRUS 11 B12   |                      |                     |      |

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               | 180.0                      | 6                  | -                    | 7770.00               | 12                   | 1-5/8                | 1    |
|                     |                            | 2                  | -                    | LGP 21401             |                      |                      |      |
|                     |                            | 4                  | -                    | LGP 21901             |                      |                      |      |
|                     |                            | 3                  | -                    | AM-X-CD-16-65-00T-RET |                      |                      |      |
|                     |                            | 6                  | -                    | RRU's                 |                      |                      |      |
|                     |                            | 1                  | -                    | Platform Mount        |                      |                      |      |
| 165.0               | 165.0                      | 3                  | -                    | AIR 21 B2/B4          | 13                   | 1-5/8                | 1    |
|                     |                            | 3                  | -                    | Sector Mounts         |                      |                      |      |
|                     |                            | 3                  | -                    | APXV18 209014         | -                    | -                    | 2    |
|                     |                            | 3                  | -                    | ATMAA1212D-1-A20      |                      |                      |      |
|                     |                            | 3                  | -                    | AIR 21 B2/B4          |                      |                      |      |
| 159.0               | 159.0                      | 2                  | -                    | VHLP2                 | 2<br>6<br>6          | 1/2<br>1-5/8<br>5/16 | 1    |
| 155.0               | 155.0                      | 9                  | -                    | DB844H90T6-XY         |                      |                      |      |
|                     |                            | 3                  | -                    | 840 10054             |                      |                      |      |
|                     |                            | 3                  | -                    | Sector Mounts         |                      |                      |      |
| 145.0               | 145.0                      | 6                  | -                    | 48010                 | 15                   | 1-5/8                | 1    |
|                     |                            | 3                  | -                    | 2' Dish               |                      |                      |      |
|                     |                            | 3                  | -                    | 742 213               |                      |                      |      |
|                     |                            | 3                  | -                    | Sector Mounts         |                      |                      |      |

Notes:

- 1) Existing Equipment  
 2) Equipment To Be Removed