

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

October 7, 2016

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

EM-T-MOBILE-157-140228
T-Mobile Site ID CT11118C
56 Norfield Road, Weston 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, the tower must be modified in accordance with drawings prepared by Paul J. Ford and Company dated April 15, 2013;
- 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;
- 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 October 5, 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 September 23, 2015.

Sincerely,



Samuel Simons, Engineering Development - Connecticut

cc: Mark Richard, Engineering and Operations



Date: **October 5, 2016**

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: Post Construction Review

Carrier Designation: *T-Mobile Co-Locate*
Carrier Site Number: CT11118C
Siting Council ID: EM-T-Mobile-157-140228

Engineering Firm Designation: Paul J Ford and Company Project Number: 31216-0034.001.7101

Site Data: 56 Norfield Road, Weston, Fairfield County, CT
190 Foot – Monopole Tower

Dear Sam Simons,

Paul J. Ford and Company has completed a post-construction review per the requirements of the Connecticut Siting Council. The purpose of the letter is to verify that the proposed antennas listed in Table 1 (next page) have been installed. The review 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 85 mph with no ice, 37.6 mph with 3/4 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 [PJF #37513-0787 R6, dated February 20, 2014] we have determined that loading is similar and should not change the analysis results.

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

Per the Paul J. Ford and Company 37513-0787 R6 report, modifications to the tower were to be completed prior to installation of the antennas. The proposed modifications were detailed in structural design drawings prepared by Paul J. Ford and Company, [drawing no. 37513-0787 BP, dated April 15, 2013]. Per the "Modification Inspection Report" prepared by Tower Engineering Professionals, TEP project no. 48073 dated November 10, 2014, the proposed modifications were completed per the design drawings.

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:

Kurt J. Swarts, P.E.
Project Manager



Handwritten initials and date: J-T K 10-4-16

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 |
|---------------------|----------------------------|--------------------|----------------------|---------------------------------------|----------------------|---------------------|------|
| 173.0 | 170.0 | 3 | ericsson | ERICSSON AIR 21 B2A B4P w/ Mount Pipe | 7 | 1-5/8 | 1 |
| | | 3 | ericsson | ERICSSON AIR 21 B4A B2P w/ Mount Pipe | | | |
| | | 3 | ericsson | KRY 112 144/1 | | | |

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 |
|---------------------|----------------------------|--------------------|----------------------|--------------------------------------|----------------------|---------------------|------|
| 190.0 | 193.0 | 1 | rfs celwave | PD201-7 | 1 | 7/8 | 2 |
| | 190.0 | 3 | alcatel lucent | 1900MHz RRH | 3 | 1-1/4 | 3 |
| | | 3 | alcatel lucent | 800MHZ RRH | | | |
| | | 6 | rfs celwave | APXVSP18-C-A20 w/ Mount Pipe | | | |
| | | 1 | tower mounts | Platform Mount [LP 403-1] | - | - | 2 |
| | | 1 | tower mounts | Side Arm Mount [SO 102-3] | - | - | 2 |
| 182.0 | 182.0 | 1 | tower mounts | Platform Mount [LP 403-1] | - | - | 2 |
| 173.0 | 173.0 | 1 | tower mounts | Platform Mount [LP 405-1] | 6 | 1-5/8 | 2 |
| 162.0 | 163.0 | 6 | ericsson | RRUS-11 | 12 | 3/4 7/8 1-5/8 | 2 |
| | | 6 | powerwave | 7770.00 w/ Mount Pipe | | | |
| | | 6 | powerwave | LGP21401 | | | |
| | | 3 | powerwave | P65-16-XLH-RR w/ Pipe | | | |
| | | 3 | powerwave | TT19-08BP111-001 | | | |
| | | 1 | raycap | DC6-48-60-18-8F | | | |
| | 162.0 | 1 | tower mounts | Platform Mount [LP 403-1] | | | |
| 151.0 | 151.0 | 3 | alcatel lucent | RRH2X40-AWS | - | - | 3 |
| | | 1 | tower mounts | Pipe Mount [PM 601-3] | | | |
| 150.0 | 150.0 | 6 | antel | BXA-171063-12CF-EDIN-X w/ Mount Pipe | 1 | 1-5/8 | 3 |
| | | 1 | rfs celwave | DB-T1-6Z-8AB-0Z | | | |
| | | 2 | antel | LPA-80080/6CF w/ Pipe | 12 | 1-5/8 | 2 |
| | | 4 | decibel | DB846F65ZAXY w/ Pipe | | | |
| | | 2 | andrew | LNX-6514DS-T4M w/ Pipe | | | |
| | | 1 | powerwave | P65-16-XL-R w/ Mount Pipe | | | |
| | | 6 | rfs celwave | FD9R6004/2C-3L | | | |
| | | 1 | tower mounts | Platform Mount [LP 403-1] | | | |

| Mounting Level (ft) | Center Line Elevation (ft) | Number of Antennas | Antenna Manufacturer | Antenna Model | Number of Feed Lines | Feed Line Size (in) | Note |
|---------------------|----------------------------|--------------------|----------------------|---------------------------|----------------------|---------------------|------|
| 125.0 | 130.0 | 1 | rfs celwave | PD128-1 | 1 | 1/2 7/8 | 2 |
| | | 1 | rfs celwave | PD201-1 | | | |
| | 125.0 | 1 | tower mounts | Side Arm Mount [SO 701-3] | | | |
| 110.0 | 115.0 | 2 | rfs celwave | PD128-1 | 2 | 1/2 | 2 |
| | 110.0 | 1 | tower mounts | Side Arm Mount [SO 701-3] | | | |
| 95.0 | 100.0 | 2 | rfs celwave | PD128-1 | 2 | 7/8 | 2 |
| | 95.0 | 1 | tower mounts | Side Arm Mount [SO 701-3] | | | |
| 80.0 | 85.0 | 1 | decibel | DB222 | 2 | 1/2 | 2 |
| | | 1 | rfs celwave | PD128-1 | | | |
| | 80.0 | 1 | tower mounts | Side Arm Mount [SO 701-3] | | | |

Notes:

- 2) Existing Equipment
- 3) Reserved Equipment