



Please Reply To:  
Sam Simons  
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Bloomfield, CT 06002  
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[Sam.Simons@T-Mobile.com](mailto:Sam.Simons@T-Mobile.com)

October 17, 2016

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

**EM-T-MOBILE-126-150506**

T-Mobile Site ID CTF531A

30 Oliver Terrace, Shelton 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 FDH Engineering, Inc., and date/stamp March 24, 2015 by Dennis Abel;
- 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 October 14, 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 October 23, 2015.

Sincerely,

Samuel Simons, Engineering Development - Connecticut

cc: Mark Richard, Engineering and Operations

Date: **October 14, 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:** CTF531A  
**Siting Council ID:** EM-T-Mobile-126-150506

**Engineering Firm Designation:** Paul J Ford and Company Project Number: 31216-0039.001.7101

**Site Data:** 30 Oliver Terrace, Shelton, Fairfield County, CT  
140 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 95 mph with no ice, 38 mph with 3/4 inch ice thickness and 50 mph under service loads.

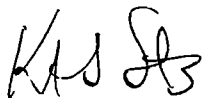
Based on a comparison of the verified proposed loading (shown Table 1 & 2) versus the previous analysis loads (including wind speeds) from FDH Engineering, Inc. [Project No. 15BGXE1400, dated March 24, 2015] we have determined that loading is similar and should not change the analysis results.

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

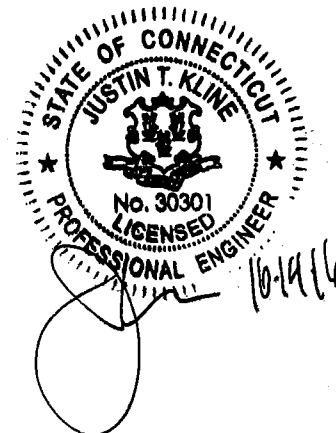
Per the FDH Engineering, Inc. structural analysis, modifications to the tower were to be completed prior to installation of the antennas. The proposed modifications were detailed in structural design drawings prepared by FDH Engineering, [project no. 15BTZC1400, dated July 15, 2015]. Per the "Modification Inspection Report" prepared by Tower Engineering Professionals., dated November 30, 2015, the proposed modifications were installed as specified in the FDH Engineering 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



**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 |
|---------------------|----------------------------|--------------------|----------------------|------------------------------|----------------------|---------------------|------|
| 120.0               | 120.0                      | 3                  | commscope            | LNx-6515DS-VTM w/ Mount Pipe | -                    | -                   | -    |
|                     |                            | 3                  | andrew               | ATSBT-TQP-MF-4G              |                      |                     |      |

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 |
|---------------------|----------------------------|--------------------|---------------------------|------------------------------------|----------------------|---------------------|------|
| 138.0               | 145.0                      | 1                  | andrew                    | DB636-C                            | 13<br>1              | 1-5/8<br>7/8        | 2    |
|                     | 140.0                      | 3                  | alcatel lucent            | RRH2X40-AWS                        |                      |                     |      |
|                     |                            | 3                  | amphenol                  | BXA-80063-6BF-EDIN-4 w/ mount pipe |                      |                     |      |
|                     |                            | 6                  | antel                     | BXA-171063-8BF-2 w/ mount pipe     |                      |                     |      |
|                     |                            | 3                  | antel                     | BXA-70063-6CF-2 w/ mount pipe      |                      |                     |      |
|                     |                            | 1                  | rfs celwave               | DB-T1-6Z8AB-0Z                     |                      |                     |      |
|                     | 3                          | rfs celwave        | FD9R6004/2C-3L            |                                    |                      |                     |      |
| 138.0               | 1                          | crown mounts       | Platform Mount [LP 403-1] |                                    |                      |                     |      |
| 120.0               | 120.0                      | 3                  | cci                       | DTMA-1819-DD-12 TMA                | 18                   | 1-5/8               | 2    |
|                     |                            | 1                  | crown mounts              | T-Arm Mount [TA 602-3]             |                      |                     |      |
|                     |                            | 3                  | rfs                       | APX16PV-16PVL-E w/ mount pipe      | -                    | -                   | 3    |
|                     |                            | 3                  | cci                       | DTMA-1819-DD-12 TMA                |                      |                     |      |
|                     |                            | 3                  | rfs                       | APX16PV-16PVL-E w/ mount pipe      |                      |                     |      |
| 110.0               | 110.0                      | 1                  | crown mounts              | T-Arm Mount [TA 702-3]             | 6                    | 1-5/8               | 2    |
|                     |                            | 3                  | kathrein                  | 800 10504 w/ mount pipe            |                      |                     |      |
|                     |                            | 3                  | kathrein                  | 860 10025.RET                      |                      |                     |      |
| 99.0                | 99.0                       | 1                  | crown mounts              | Side Arm Mount [SO-102-3]          | 2<br>1               | 7/8<br>3/4          | 2    |
|                     |                            | 6                  | ericsson                  | RRUS-11                            |                      |                     |      |
|                     |                            | 1                  | raycap                    | DC6-48-60-18-8F                    |                      |                     |      |
| 95.0                | 95.0                       | 3                  | powerwave                 | 7770.00 w/ mount pipe              | 6                    | 7/8                 | 2    |
|                     |                            | 1                  | powerwave                 | P65-16-XLH-RR w/ mount pipe        |                      |                     |      |
|                     |                            | 6                  | powerwave                 | LGP21401 TMA                       |                      |                     |      |
|                     |                            | 1                  | crown mount               | Platform Mount [LP 713-1]          |                      |                     |      |

| Mounting Level (ft) | Center Line Elevation (ft) | Number of Antennas | Antenna Manufacturer | Antenna Model                 | Number of Feed Lines | Feed Line Size (in) | Note |
|---------------------|----------------------------|--------------------|----------------------|-------------------------------|----------------------|---------------------|------|
| 73.0                | 73.0                       | 3                  | rfs                  | APXVSP18-C-A20 w/ mount pipe  | 3                    | 1-1/4               | 2    |
|                     |                            | 3                  | alcatel lucent       | 800 MHz 2X50W RRH             |                      |                     |      |
|                     |                            | 3                  | alcatel lucent       | 800 MHz External Notch Filter |                      |                     |      |
|                     |                            | 3                  | alcatel lucent       | 1900 MHz 4X40W RRH            |                      |                     |      |
|                     |                            | 3                  | argus                | LPX310R w/ mount pipe         |                      |                     |      |
|                     |                            | 3                  | samsung              | FDD_R6_RRH                    |                      |                     |      |
|                     |                            | 2                  | dragonwave           | Horizon Duo                   |                      |                     |      |
|                     |                            | 2                  | dragonwave           | A-ANT-23G-2-C Dish            |                      |                     |      |
|                     |                            | 1                  | crown mount          | Side Arm Mount [SO 102-3]     |                      |                     |      |
|                     |                            | 1                  | crown mount          | Platfrom Mount [LP 712-1]     |                      |                     |      |
| 50.0                | 50.0                       | 1                  | -                    | GPS-TMG-HR-26 NCM GPS         | -                    | -                   | 2    |

Notes:

- 2) Existing Equipment
- 3) Equipment to be removed