

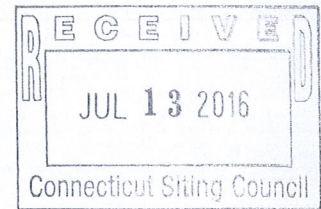
T-Mobile

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

July 12, 2016

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

EM-T-MOBILE-155-141117 ✓
T-Mobile Site ID CT11178D
467 South Quaker Lane, West Hartford CT
Notice of Compliance with Conditions and Construction Completion



ORIGINAL

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:

- The tower shall be reinforced in accordance with the attached drawings included with the structural analysis report prepared by FDH Engineering dated October 7, 2014 and stamped by Graham **Andres**;
- 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 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 10, 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 18, 2015.

Sincerely,

Sam Simons

Samuel Simons, T-Mobile

Date: **July 10, 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: CT11178D
Siting Council ID: EM-T-Mobile-155-141117

Engineering Firm Designation: **Paul J Ford and Company Project Number:** 31216-0015.001.7101

Site Data: **467 South Quaker Lane, West Hartford, Hartford County, CT**
119 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, and to verify that the proposed tower modifications have been completed. 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 80 mph with no ice, 38 mph with 1 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 Tower Engineering Professionals [project number 25680.24967, dated April 23, 2015] we have determined that loading is similar and should not change the analysis concluded by others.

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

Per the Tower Engineering Professionals project number 25680.24967, modifications to the tower and its foundations were to be completed prior to installation of the antennas. Per the "Modification Inspection Report" prepared by Sinnot Gering and Schmitt Towers, Inc., dated August 19, 2015, 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



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-6516DS-VTM w/ Mount Pipe	-	-	1
		3	ericsson	RRUS 12 B12			
		1	rfs celwave	APXV18-206517S-C w/ Mount Pipe			

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
120.0	120.0	3	ericsson	Air21 B2A/B4P w/ Mount Pipe	13	1-5/8	1
		3	ericsson	Air21 B4A/B2P w/ Mount Pipe			
		3	ericsson	KRY 112 144/1			
		1	tower mounts	Platform Mount [LP 403-1]			
115.0	115.0	1	andrew	VHLP2-18	3	1/2	1
		1	tower mounts	Side Arm Mount [SO 102-3]			
110.0	110.0	1	andrew	SBNH-1D6565C w/ Mount Pipe	12	3/8 7/16 1-5/8	1
		2	kmw communications	AM-X-CD-16-65-00T-RET w/ Mount Pipe			
		6	powerwave technologies	7770.00 w/ Mount Pipe			
		1	raycap	DC6-48-60-18-8F			
		3	ericsson	RRUS 11			
		4	powerwave technologies	LGP21903			
		3	ericsson	RRUS-11			
1	tower mounts	Platform Mount [LP1303-1]					

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
100.0	100.0	3	alcatel lucent	RRH2x40-AWS	13	1-5/8	1
		3	amphenol	BXA-80063-4BF-EDIN-X w/ Mount Pipes			
		2	andrew	LNx-6514DS-T4M			
		3	antel	BXA-171063/8CF w/ Mount Pipe			
		3	antel	BXA-185063/8CF w/ Mount Pipe			
		1	antel	BXA-70063-6CF-EDIN-0 w/ Mount Pipe			
		1	rfs celwave	DB-T1-6Z-8AB-0Z			
		6	rfs celwave	FD9R6004/2C-3L			
		1	tower mounts	Platform Mount [LP403-1			
90.0	90.0	1	kathrein	742 213 w/ Mount Pipe	6	1-5/8	1
80.0	83.0	1	andrew	VHLP2-23	3 1 1 3	1/4 5/16 1/2 5/8	1
		2	clearwire	CW Junction Box			
	81.0	3	argus technologies	LLPX310R w/ Mount Pipe			
		3	samsung telecommunications	Wimax Dap Head			
	80.0	1	tower mounts	Side Arm Mount [SO 101-3]			

Notes:
 1) Existing Equipment