



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

October 18, 2016

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

**EM-T-MOBILE-154-150617**  
T-Mobile Site ID CT11033E  
315 Spencer Plains Road, Westbrook 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 modification drawings SK-1 through SK-4 in accordance with the structural analysis report prepared by AECOM date/stamp by Richard Sambor on May 22, 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 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 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 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 September 13, 2016.

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:** CT11033E  
**Siting Council ID:** EM-T-Mobile-154-150617  
**Engineering Firm Designation:** *Paul J Ford and Company* **Project Number:** 31216-0032.001.7101

**Site Data:** **315 Spencer Plains Road, Westbrook, Middlesex County, CT**  
**180 Foot – Self-Support 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, 90 mph with 1/2 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 AECOM [Job no. 36931360.00000, dated March 8, 2015] we have determined that loading is similar and should not change the analysis results.

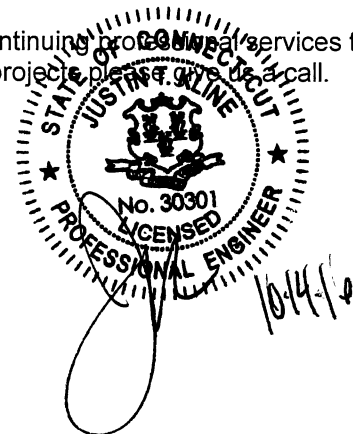
Based upon a review of the photos provided, it appears that the antennas and equipment listed in Table 1 have been installed.

Per the AECOM 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 AECOM, [project no. 36931389, dated March 8, 2015]. Per the "Post Installation Inspection" report prepared by HighTower Solutions, Inc., dated September 28, 2016, the proposed modifications appear to be installed as specified in the AECOM 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 project, please give us a call.

Respectfully submitted by:

Kurt J. Swarts, P.E.  
Project Manager  
kswarts@pjfweb.com



**Table 1 - Proposed Antenna and Cable Information**

Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
130.0	3	commscope	SBNHH-1D65A	12	1-1/4	1
	3	-	Antenna Mounts			

Notes:  
 1) Verified antenna/coax installation heights and quantities

**Table 2 - Existing Antenna and Cable Information**

Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
193.0	1	telewave	ANT150D6-9 4 Bay Dipole on Dish Mount	1	7/8	2
185.5	2	scala	OGT9-806 on 6' Standoff	2	1-5/8	2
185.0	1	-	10' x 3" Omni on 6' Standoff	1	7/8	2
185.0	1	-	8' x 3" Omni on 6' Standoff	2	1-5/8	2
183.0	3	sinclair	SC479-HFILD FCD00-E5765	3	1-5/8 1/2	2
	1	-	432-83H-01T TTA			
	1	-	T-Boom			
183.0	1	-	10' Whip on Pipe Mount	1	7/8	2
182.0	1	-	2' Yagi on Clamp Mount	1	7/8	2
182.0	1	-	2' Dipole on Pipe Mount (183')	1	7/8	2
180.0	1	-	2' Omni on Pipe Mount	1	7/8	2
180.0	3	-	Microwave Dishes	-	-	3
177.0	1	rfs	6' Microwave Dish on Dish Mount	1	WEP65	2
177.0	2	Decibel	DB586-Y on dish Mount	2	7/8	2
174.0	1	rfs	6' Microwave Dish on Dish Mount	1	7/8	2
172.0	1	-	10' Dipole on Standoff	1	7/8	2
172.0	1	-	4' Parabolic Dish on Standoff	1	1/4	2
170.0	1	andrew	6' Dish w/ Radome on dish Mount	1	WEP65	2
167.0	2	sinclair	12' Antenna on (2)-4' Standoffs	2	1-5/8	2
167.0	1	-	10' Whip on Side Arm Mount	1	7/8	2
166.0	1	-	10' Dipole on Pipe Mount	1	7/8	2
160.0	1	-	SC479-HF1LDF Antennas on 1' Standoff	1	7/8	2
160.0	1	-	12' x 1" Omni on 4' Standoff	1	7/8	2
156.0	1	sinclair	SD110SFXPASNM(F0460) on Pipe Mount	1	7/8	2

Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
156.0	1	-	Paraflector PRF-900 on Pipe Mount	1	7/8	2
155.0	1	decibel	DB225	1	7/8	2
149.0	1	-	BCD-80609 Omni	1	1-5/8	2
145.0	3	powerwave	7770	12 1 2	1-1/4 10 mm fiber 0.645 DC	2
	3	kmw	AM-X-CD-14-65			
	6	-	TMA			
	6	ericsson	RRUS-11 RRH			
	1	raycap	Surge Arrestor			
	3	-	T-Frames			
137.0	2	decibel	DB950F40T2E-M	6	1-5/8	2
	2	decibel	DB950F85E-M			
	2	decibel	DB950F65E-M			
	3	-	13' Lightweight T Frames			
135.0	1	decibel	DB225	1	7/8	2
122.0	1	celwave	PD-10054-3 on 1' Standoff	1	7/8	2
120.0	1	decibel	DB-212-2-A	1	7/8	2
115.0	1	-	Parabolic Dish	1	7/8	2
110.0	1	-	1' Standoff (Vacant)	-	-	2
91.0	1	-	2 Bay Dipole on 2' Standoff	1	7/8	2
81.5	1	-	4 Bay Dipole on 2' Standoff	1	7/8	2
75.0	1	-	GPS	1	1/2	2
33.3	1	decibel	DB803M-XC on 3' Standoff	1	1/2	2
26.8	1	decibel	DB803M-XC on 3' Standoff	1	1/2	2
17.3	1	decibel	DB580-XC on 2' Standoff	1	1/2	2
14.0	1	-	3' Yagi	1	1/2	2

- Notes:  
 2) Existing Equipment  
 3) Future Equipment