

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

October 28, 2016

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

EM-T-MOBILE-078-150409

T-Mobile Site ID CT11303B
82 North Eagleville Road, Mansfield 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:

- Install the modifications identified in the structural analysis report prepared by AECOM, dated April 1, 2015 and stamped by Richard Sambor;
- Within 45 days following completion of the modifications, 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 October 26, 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 August 18, 2016.

Sincerely,



Samuel Simons, Engineering Development - Connecticut

cc: Mark Richard, Engineering and Operations



Date: **October 26, 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: CT11303B
Siting Council ID: EM-T-Mobile-078-150409

Engineering Firm Designation: **Paul J Ford and Company Project Number:** 31216-0042.001.7101

Site Data: **82 North Eagleville Road, Mansfield Tolland County, CT**
245 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 85 mph with no ice, 74 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 [project no. 36931420 NSS-021 Rev. 1, dated April 1, 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. 36931420, dated April 1, 2015]. Per the "Post Modification Certification Letter" prepared by AECOM, dated October 7, 2016, the proposed modifications have been installed as specified in their 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
kswarts@pjfweb.com

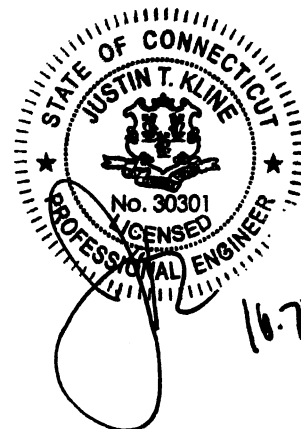


Table 1 - Proposed Antenna and Cable Information

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
232.0	235.0	3	andrew	LNX-6515DS-VTM	-	-	1
		3	ericsson	RRUS-11 RRH Units			

Notes:

- 1) Proposed Equipment

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
247.0	247.0	1	-	Lightning Rod	-	-	1
247.0	247.0	1	-	Flash Beacon	-	-	1
247.0	247.0	3	rfs	APX9VTM14-ALUI20	1 3	Hybrid Cable 1-1/4 Hybrid Cable	1
		3	alcatel lucent	TD-RRH 8x20 RRH Units			
		2	rfs	APXVSPP18-C-A20			
		1	rfs	APX9ERR18-C-A20			
		6	-	1900 MHz RRH Units			
		3	-	800 MHz RRH Units			
		3	-	IBC1900BB-1			
		3	-	IBC1900HG-2A			
232.0	235.0	3	ericsson	AIR21-B2A/B4P	12	Fiber Optic 1-5/8	1
		3	ericsson	AIR21-B4A/B2P			
		3	-	TMA Units			
	232.0	3	tower mounts	Sector Mounts			
135.0	135.0	2	-	10-ft Omni Antennas	2	7/8	1
		2	-	4-Ft Standoffs			
125.0	125.0	1	-	20-ft Omni Antenna	1	7/8	1
		1	-	6-Ft Standoff			
125.0	125.0	3	-	L-810 Obstruction Lights	1	1/2 DC	1
110.0	110.0	1	-	10-ft Omni Antenna	1	7/8	1
		1	-	4-Ft Standoff			
110.0	110.0	1	-	4-Ft ø Grid Dish	1	7/8	1
105.0	105.0	1	-	6-Ft ø Dish w/ Radome	1	EW63	1
60.0	60.0	1	-	Camera	1	7/8	1
50.0	50.0	1	-	4-ft Omni antenna	1	7/8	1
		1	-	4-Ft Standoff			

Notes:

- 1) Existing Equipment