

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-004-151123**  
T-Mobile Site ID CT11284A  
81 Montevideo Road, Avon 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:

- Within 45 days following completion of the equipment installation, T-Mobile shall provide documentation certified by a Professional Engineer that the foundation does not exceed 100 percent of its post-construction structural rating;
- 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 February 23, 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:** CT11284A  
**Siting Council ID:** EM-T-Mobile-004-151123

**Engineering Firm Designation:** Paul J Ford and Company Project Number: 31216-0035.001.7101

**Site Data:** 81 Montevideo Road, Avon, Hartford County, CT  
150 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 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 Atlantis Design Group, Inc. / Destek Engineering, Inc. [Job no. 1564017, dated November 9, 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.

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



10/14/16

**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
136.0	1	ericsson	ERICSSON AIR 321 B4A B12P w/ Mount Pipe	-	-	1

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
149.0	1	-	8' Omni Antenna	1	7/8	2
147.0	3	rfs	APXVSP18-C	6	1-OC-144 Power/ Fiber cables	2
	3	rfs	APXV9TM14-ALU-120			
	3	alcatel lucent	TD-RRH 8x20W			
145.0	3	alcatel lucent	1900 MHz 4x40W RRH			
	3	alcatel lucent	800 MHz 2x50W RRH			
	2	-	Sector Frames			
	1	-	Standoff	-	-	
121.0	1	-	15' Omni Antenna on Standoff	1	7/8	2
117.0	1	-	20' Omni Antenna on Standoff	1	1-1/4	2
108.0	1	-	10' Omni Antenna on Standoff	1	7/8	2
105.0	1	-	8' Omni Antenna on Standoff	1	1-1/4	2
102.0	1	-	8' Omni Antenna	1	1/2	2
98.0	1	-	12' Omni Antenna on Standoff	1	7/8	2
84.0	1	-	4' Parabolic Dish on Standoff	1	1/4	2
78.0	1	-	4' Parabolic Dish on Standoff	1	1/4	2
74.0	1	-	GPS	1	1/2	2
72.0	1	-	4' Parabolic Dish on Standoff	1	1/4	2
67.0	1	-	GPS	1	1/4	2
12	1	-	GPS	2	1/2	2

Notes:  
 2) Existing Equipment