

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)

April 7, 2017

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

**EM-T-MOBILE-011-160920**  
T-Mobile Site ID CT11278A  
28 Brewer Drive, Bloomfield 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:

1. The tower shall be modified in accordance with the recommendations and drawings noted in the structural analysis report prepared by Paul J. Ford and Company dated August 18, 2016 and stamped by Justin Kline;
2. 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;
3. Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
4. Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
5. Within 45 days after completion of construction, the Council shall be notified in writing that Construction has been completed;
6. 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;
7. The validity of this action shall expire one year from the date of this letter; and
8. 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 April 3, 2017 provides evidence of compliance with the conditions outlined by the Council in their approval letter dated October 11, 2016.  
In addition, T-Mobile hereby notifies the Council that construction of the acknowledged modifications were complete as of December 8, 2016.

Sincerely,



Samuel Simons, Engineering Development - Connecticut

cc: Mark Richard, Engineering and Operations



Date: April 3, 2017

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: CT11278A  
Siting Council ID: EM-T-Mobile-011-160920

Engineering Firm Designation: Paul J Ford and Company Project Number: 31217-0004.001.7101

Site Data: 28 Brewer Drive, Bloomfield, Hartford County, CT  
120 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 ANSI/TIA-222-G Structural Standards for Steel Antenna Towers and Antenna Supporting Structures using a 3 second gust mile wind speed of 95 mph with no ice, 50 mph with 1 inch ice thickness and 60 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 Paul J. Ford and Company [project no. 37516-0115.006.7700, dated August 18, 2016] 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 Paul J. Ford and Company 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 Paul J. Ford and Company, [project no. 37517-0115.006.7700, dated August 18, 2016]. Per the "Modification Inspection Report" prepared by Tower Engineering Professionals", dated February 8, 2017, the proposed modifications have been installed as specified in 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  
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
107.0	108.0	3	commscope	LNX-6515DS-A1M w/ Mount Pipe	-	-	1
		3	ericsson	RRUS 11 B12			

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
118.0	120.0	3	alcatel lucent	TD-RRH8x20-25	1 3 2	5/8 1-1/4 1/2	1
		1	rfs celwave	APXV9ERR18-C-A20 w/ Mount Pipe			
		2	rfs celwave	APXVSP18-C-A20 w/ Mount Pipe			
		3	rfs celwave	APXVTM14-C-120 w/ Mount Pipe			
		3	rfs celwave	IBC1900BB-1			
		3	rfs celwave	IBC1900HG-2A			
	118.0	1	tower mounts	Platform Mount [LP 501-1]			
	116.0	1	1	andrew	VHLP1-18		
1			andrew	VHLP1-23-DW1			
2			dragonwave	HORIZON COMPACT			
114.0	115.0	3	alcatel lucent	PCS 1900MHz 4x45W-65MHz	-	-	1
	114.0	1	tower mounts	Pipe Mount [PM 601-3]			
	113.0	3	alcatel lucent	800MHz 2X50W RRH W/FILTER			
107.0	108.0	3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	13	1-5/8	1
		3	ericsson	ERICSSON AIR 21 B4A B2P w/ Mount Pipe			
		3	ericsson	KRY 112 144/1			
	107.0	1	tower mounts	Platform Mount [LP 712-1]			

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note	
99.0	100.0	3	ericsson	RRUS 32	1 2	3/8 3/4	2	
		6	quintel technology	QS66512-2 w/ Mount Pipe				
		1	raycap	DC6-48-60-18-8F				
		6	cci antennas	TPX-070821				
	99.0	100.0	3	communication components inc.	DTMABP7819VG12A	1 2 12	3/8 3/4 7/8	1
			6	ericsson	RRUS-11			
			6	kathrein	782-10250			
			1	raycap	DC6-48-60-18-8F			
	99.0	1	tower mounts	Platform Mount [LP 501-1]				
59.0	59.0	1	tower mounts	Side Arm Mount [SO 702-1]	-	-	1	
48.0	50.0	1	gps	GPS_A	-	-	1	
		1	lucent	KS24019-L112A	-	-	3	
		48.0	1	tower mounts	Side Arm Mount [SO 702-1]	3	1/2	1

Notes:

- 1) Existing Equipment
- 2) Reserved Equipment
- 3) Equipment To Be Removed