

Please Reply To:  
Sam Simons  
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Bloomfield, CT 06002  
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August 2, 2016

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

**EM-T-MOBILE-156-160328**  
T-Mobile Site ID CTNH506A  
85 Plainfield Ave, West Haven 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:

- Reinforcements shall be made in accordance with the structural analysis report prepared by Paul J. Ford and Company dated March 21, 2016 and stamped by Justin T. Kline, and consistent with the modification drawings prepared by Paul J. Ford and Company dated October 26, 2015 and stamped by Justin T. Kline;
- 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 29, 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 June 3, 2016.

Sincerely,

*Sam Simons*

Samuel Simons, T-Mobile

Date: July 29, 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:** CTNH506A  
**Siting Council ID:** EM-T-Mobile-156-160328

**Engineering Firm Designation:** **Paul J Ford and Company Project Number:** 31216-0026.001.7101

**Site Data:** **85 Plainfield Avenue, West Haven, New Haven County, CT**  
**148 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 85 mph with no ice, 37.6 mph with 0.75 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 Paul J. Ford and Company [project number 37515-2871.003.7700, dated December 23, 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.

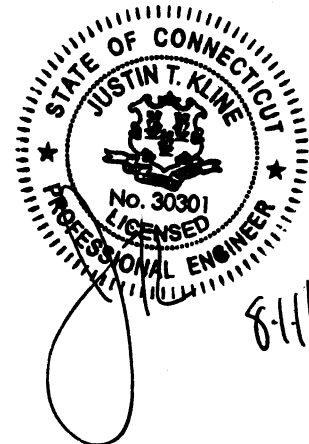
Per the Paul J. Ford and Company [project number 37515-2871.003.7700], modifications to the tower were to be completed prior to installation of the antennas. Per the "Modification Inspection Report" prepared by Sinnott Gering and Schmitt Towers, Inc., dated May 6, 2016, the proposed modifications were 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
146.0	146.0	6	andrew	LNX-6515DS-VTM w/ Mount Pipe	12	1-5/8	1
		3	commscope	ATBT-BOTTOM-24V			
		1	tower mounts	Commscope MC-PK12S-B			

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	
146.0	146.0	3	rfs celwave	APXV18-206516S-C-A20 w/ Mount Pipe	6	1-5/8	1	
		1	tower mounts	Pipe Mount [PM 601-3]	-	-	3	
138.0	140.0	3	alcatel lucent	TD-RRH8x20-25	1	1-1/4	2	
		3	rfs celwave	APXVTM14-C-120 w/ Mount Pipe				
		6	powerwave technologies	P40-16-XLPP-RR-A w/ Mount Pipe				
	138.0	138.0	3	alcatel lucent	800 EXTERNAL NOTCH FILTER	3	1/2	1
			18	rfs celwave	ACU-A20-N	3	1-1/4	
			1	tower mounts	Miscellaneous [NA 507-1]	3	5/16	
			1	tower mounts	Platform Mount [LP 303-1]			
136.0	139.0	3	alcatel lucent	800MHz RRH w/ Mount Pipe	-	-	1	
	137.0	3	alcatel lucent	1900MHz RRH (25MHz) w/ Mount Pipe				
	136.0	1	tower mounts	Side Arm Mount [SO 102-3]				
	135.0	3	alcatel lucent	1900MHz RRH (25MHz) w/ Mount Pipe				
122.0	122.0	1	rfs celwave	DB-T1-6Z-8AB-0Z	-	-	1	
		1	tower mounts	Side Arm Mount [SO 102-1]				

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	126.0	1	gps	GPS_A	1 12	1/2 1-5/8	1
	122.0	3	alcatel lucent	RRH2X40-AWS			
		3	antel	BXA-171063-8BF-EDIN-0 w/ Mount Pipe			
		2	antel	BXA-80063/4CF w/ Mount Pipe			
		1	antel	BXA-80063/6CF w/ Mount Pipe			
		3	commscope	LNX-6514DS-A1M w/ Mount Pipe			
		2	rfc celwave	FD9R6004/2C-3L			
		3	rymsa wireless	MG D3-800TV w/ Mount Pipe			
120.0	1	tower mounts	Platform Mount [LP 712-1]				
90.0	91.0	1	lucent	KS24019-L112A	1	1/2	1
	90.0	1	tower mounts	Side Arm Mount [SO 701-1]			

Notes:

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