

· T · · Mobile ·

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

October 2, 2015

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

**EM-T-MOBILE-142-150401**

T-Mobile Site ID CT11413D  
208 Reed Road, Tolland, Connecticut.  
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 coax in accordance with the structural analysis report prepared by FDH Engineering, dated March 23, 2015 and stamped by Dennis Abel;
- Install antennas and standoff arms with ring mount as noted on Hudson Design Group Site Plan A-2, dated February 25, 2015 and stamped by Daniel Hamm;
- 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 September 28, 2015 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 14, 2015.

Sincerely,

*Sam Simons*

Samuel Simons, T-Mobile

CC: Mark Richard, T-Mobile



Date: September 28, 2015

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: Structural Opinion Letter**

**Carrier Designation:** T-Mobile Co-Locate  
**Carrier Site Number:** CT11413D  
**Siting Council ID:** EM-T-Mobile-142-150401

**Engineering Firm Designation:** Paul J Ford and Company Project Number: 79915-0034.001.7100

**Site Data:** 208 Reed Road, Tolland, Tolland County, CT  
150 Foot – Monopole Tower

Dear Sam Simons,

Paul J. Ford and Company is pleased to submit this “Structural Opinion Letter” for the structural integrity of the aforementioned tower. The purpose of the opinion letter is to determine the suitability of the tower with the proposed and existing loading as specified in Tables 1 & 2 on the next two pages. The opinion 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, 38 mph with 1 inch ice thickness and 50 mph under service loads.

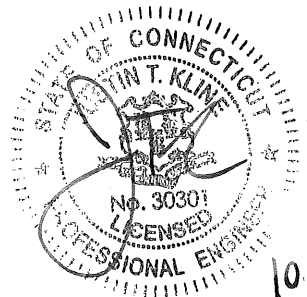
Based on a comparison of the verified proposed loading (shown Table 1 & 2) versus the previous analysis loads (including wind speeds) from FDH (job number 15BHDQ1400, dated March 23, 2015) we have determined that loading is similar and should not change the opinions concluded by others.

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:

Jared Smith, EI  
Structural Designer *KJS*



101-15

Date: **September 28, 2015**

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T-Mobile  
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**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
139.25	139.25	3	commscope	LNX-6515DS	6	1-5/8	1
		3	kathrein	782 11056			
		3	tower mounts	Side Arms			

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
149.08	149.08	9	decibel	DB844H90E-XY	15	1-1/4	1
		3	kathrein	AP11-880/090/XP			
		1	tower mounts	Low Profile Platform			
140.50	140.50	3	ems	RR90-17-00DP	6	1-5/8	1
		3	tower mounts	Side Arms			
127.00	127.00	3	antel	BXA-70063-6CF-EDIN	13	1-5/8	1
		4	antel	LPA-80080-6CF			
		2	antel	80063/6			
		6	rfs	FD9R6004/2CF-3L			
		6	kathrein	742213_2110			
		3	alcatel	RRH 2x40 AWS			
		1	rfs	DB-T1-6Z-8AB-0Z			
		1	tower mounts	Low Profile Platform			

Notes:

- 1) Existing Equipment