## · T· · · Mobile·

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

October 6, 2015

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

## EM-T-MOBILE-027-150109

T-Mobile Site ID CT11031B Comcast Tower/21 East Main Street, Clinton 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:

- Modify the tower and install feed lines in accordance with the structural analysis report prepared by FDH Engineering, dated September 26, 2014 and stamped by Dennis Abel;
- 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 included in the Structural Analysis Report;
- 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 30, 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 October 30, 2014.

Sincerely,

Samuel Simons, T-Mobile

Sam Simons

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:

CT11031B

Siting Council ID:

EM-T-Mobile-027-150109

Engineering Firm Designation:

Paul J Ford and Company Project Number: 79915-0025.001.8100

Site Data:

21 East Main Street, Clinton, Middlesex, CT

67.5 Foot – Self Support 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 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 FDH (job number 146DCX1400, dated September 26, 2014) 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, El

Structural Designer K



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: CT11031B

Siting Council ID: EM-T-Mobile-027-150109

Engineering Firm Designation: Paul J Ford and Company Project Number: 79915-0025.001.8100

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Respectfully submitted by:

Jared Smith, El Structural Designer

Table 1 - Proposed Antenna and Cable Information

Tuble 1 Troposed Antenna and Gable Information								
Mounting Level (ft)	Elevation	Number of Antennas	Antenna Manufacturer		Number of Feed Lines	Feed Line Size (in)	Note	
60.0 60.0		3	rfs celwave	APX16DWV-16DWVS	18	7/8	1	
	60.0	3	commscope	LNX-6515DS-VTM				
	00.0	6	ericsson	KRY 112 71				
		3	tower mounts	Pipe Mounts				

Notes:

**Table 2 - Existing Antenna and Cable Information** 

Mounting Level (ft)	Flevation	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
60.0	60.0	3	rfs celwave	APX16DWV-16DWVS	12 1	7/8 1/4	2
		6	ericsson	KRY 112 71			
		6	rfs celwave	ACU-A20-N			
		3	tower mounts	T-Arms			

Notes:

- Existing Equipment Equipment to be Removed

Verified antenna/coax installation heights and quantities