

•T•••Mobile•

Please Reply To:
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August 5, 2015

Attorney Melanie Bachman
Acting Executive Director
Connecticut Siting Council Ten
Franklin Square
New Britain, CT 06501

EM-TMOBILE-083-141027
T-Mobile Site ID CT11057C
190 Industrial Park Road, Middletown CT
Notice of Construction Completion

Dear Attorney Bachman:

The Connecticut Siting Council ("Council") acknowledged the above referenced T-Mobile Northeast LLC ("T-Mobile") notice of exempt modification on November 17, 2014. The Council imposed the following condition in its acknowledgment:

- Reinforce tower in accordance with Section 4.1 of the structural analysis report prepared by FDH Engineering, stamped Justin Kline on September 10, 2014;
- Within 45 days following completion of the equipment installation, T-Mobile shall provide documentation that its installation complied with the recommendations of 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 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, 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 January 15, 2015.

Please don't hesitate to contact me with any questions.

Sincerely,

Sam Simons

Samuel Simons, T-Mobile

CC: Mark Richard, T-Mobile

Date: July 30, 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: EM-T-MOBILE-083-141027
Carrier Site Name: CT11057C

Engineering Firm Designation: Paul J Ford and Company Project Number: 79915-0003.001.7101

Site Data: 90 Industrial Park Road, Middletown, CT
Latitude 41° 35' 8.3", Longitude -72° 42' 50.49"
185 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 monopole tower. The purpose of the opinion letter is to determine the suitability of the monopole 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, 37.6 mph with 0.75 inch ice thickness and 50 mph under service loads.

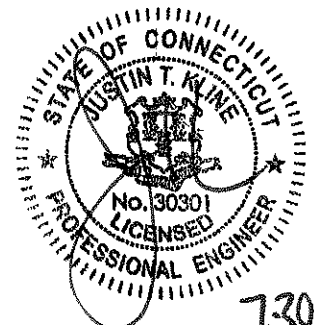
Based on a comparison of the previous analysis loads (including wind speeds) from the Paul J. Ford and Company job number 37513-1570.004.7805, dated October 23, 2014, we have determined the monopole tower and foundation ARE sufficient for the verified proposed loading installation.

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:



Corey McCartney, EI
Structural Designer



7-30-15

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
185.0	185.0	3	ericsson	Double TMA 17/21-M	-	-	1
		3	ericsson	DTMA 1900 Premium CWA			
		3	commscope	ATBT-BOTTOM-24V			
		3	commscope	LNx-6515DS-VTM w/ Mount Pipe			
		3	ems wireless	RR90-17-02DP w/ Mount Pipe			
		3	rfs celwave	APX16DWV-16DWVS-C w/ Mount Pipe			

Notes:

- 1) Verified antenna/coax installation heights and quantities

Table 2 - Existing and Reserved 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
185.0	185.0	9	ericsson	AIR 21 w/ Mount Pipe	3	1-5/8	3
		3	ericsson	AIR 33 w/ Mount Pipe			
		1	raycap	DC6-48-60-18-8F			
		1	tower mounts	Sector Mount [SM 802-3]			
175.0	175.0	6	cci antennas	OPA-65R-LCUU-H6 w/ Mount Pipe	2	3/8 3/4	2
		3	ericsson	RRUS 11-700			
		2	raycap	DC6-48-60-18-8F			
		3	ericsson	RRUS A2 MODULE			
		3	ericsson	RRUS-11 1900MHz			
		3	powerwave technologies	7770.00 w/ Mount Pipe			
		1	tower mounts	Sector Mount [SM 802-3]			
165.0	165.0	3	rfs celwave	APXV18-206517S-C w/ Mount Pipe	6	1-5/8	1
		1	tower mounts	Pipe Mount [PM 601-3]			
155.0	155.0	3	alcatel lucent	RRH2X40-07-U	2	1-5/8	2
		3	alcatel lucent	RRH2X40-AWS			
		6	antel	BXA-171063-12CF-EDIN-2 w/ Mount Pipe			
		6	antel	BXA-70063-6CF-EDIN-2 w/ Mount Pipe			
		1	rfs celwave	DB-T1-6Z-8AB-0Z			
		1	tower mounts	Platform Mount [LP 301-1]			

Notes:

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