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Please Reply To:
Sam Simons
35 Griffin Road South
Bloomfield, CT 06002
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September 22, 2015

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

EM-T-MOBILE-060-140414B
T-Mobile Site ID CT11393B
2381 Long Hill Road, Guilford, 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:

- Existing tower loading should be verified prior to new antenna installation. Another analysis should be performed if tower loading is different than reported;
- Modify the tower in accordance with the structural analysis report prepared by Tower Engineering Professionals, stamped by W. H. Martin on March 31, 2014;
- Within 45 days following completion of the antenna installation, T-Mobile shall provide documentation certified by a professional engineer that its installation complied with the requirements 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;
- 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 17, 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 31, 2015.

Sincerely,

Sam Simons

Samuel Simons, T-Mobile

CC: Mark Richard, T-Mobile



Date: **September 17, 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: CT11393B
Siting Council ID: EM-T-Mobile-060-140414B

Engineering Firm Designation: **Paul J Ford and Company Project Number:** 79915-0022.001.7100

Site Data: **2365 Long Hill Rd., Guilford, New Haven County, CT 06437**
Latitude 41° 20' 47.34", Longitude -72° 43' 23.15"
176 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, 37.6 mph with 0.75 inch ice thickness and 50 mph under service loads.

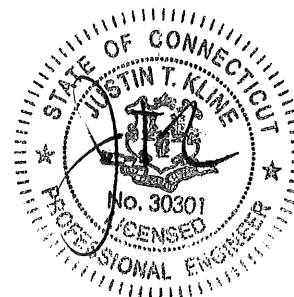
Based on a comparison of the verified proposed loading (shown Table 1 & 2) versus the previous analysis loads (including wind speeds) from TEP (job number 51819.17074, dated March 31, 2014) we have determined that loading is similar and should not change the opinions concluded by others.

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, EI
Structural Designer *KJS*



9-21-15

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
155.0	155.0	3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	1	1-5/8	1
		3	ericsson	ERICSSON AIR 21 B4A B2P w/ Mount Pipe			
		3	ericsson	KRY 112 144/1			

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
176.0	178.0	3	alcatel lucent	800 External Notch Filter	3	1/2	1
		9	rfs celwave	ACU-A20-N			
		3	rfs celwave	APXVSP18-C-A20			
	176.0	1	tower mounts	Platform Mount	-	-	2
174.0	176.0	3	alcatel lucent	PCS 1900MHz 4x45W-65MHz	-	-	1
		3	alcatel lucent	TME-800MHz RRH			
	174.0	1	tower mounts	Side Arm Mount			
169.0	169.0	3	ericsson	TME-RRUSS-11	-	-	2
		1	tower mounts	T Arm Mount			
167.0	167.0	3	kmw	AM-X-CD-16-65-00T-RET	12 2 1	1-5/8 7/16 3/8	2
		6	powerwave technologies	7770.00			
		6	powerwave technologies	LGP21401			
		6	powerwave technologies	LGP21901			
		1	raycap	DC6-48-60-18-8F			
		1	tower mounts	Platform Mount			
155.0	155.0	3	decibel	932QDG65T2EM	-	-	3
		6	remec	S20057A1			
		1	tower mounts	Side Arm Mount			
145.0	145.0	3	alcatel lucent	RRH2X40-07-U	14	1-5/8	1
		3	alcatel lucent	RRH2X40-AWS			
		6	amphenol	BXA-171063-12CF-EDIN-X			
		6	amphenol	BXA-70063-6CF-EDIN-X			
		1	rfs celwave	DB-B1-6C-8AB-0Z			
		1	tower mounts	Platform Mount			

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
50.0	51.0	1	lucent	KS24019-L112A	1	1/2	2
	50.0	1	tower mounts	Side Arm Mount			

Notes:

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