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Please Reply To:
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October 6, 2015

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

EM-T-MOBILE-033-140930
T-Mobile Site ID CT11059C
179 Shunpike Rd, Cromwell 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:

- 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 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 September 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 July 10, 2015.

Sincerely,

Sam Simons

Samuel Simons, T-Mobile

CC: Mark Richard, T-Mobile



Date: September 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: CT11059C
Siting Council ID: EM-T-Mobile-033-140930

Engineering Firm Designation: Paul J Ford and Company Project Number: 79915-0026.001.8100

Site Data: 179 Shunpike Rd., Cromwell, Middlesex County, CT
170 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, 74 mph with 0.5 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 URS (project number 36931260.00000, dated September 23, 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 KJS
Structural Designer



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
125.0	125.0	3	commscope	LNX-6515DS-VTM	-	-	1
		3	ericsson	RRUS 11			
		3	-	Pipe Mount			

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
183.0	183.0	1	-	TxRx 101-90-08	1	7/8	1
178.0	178.0	1	-	8 Bay Dipole	1	7/8	1
		1	-	20' Whip	1	1-1/2	1
175.0	175.0	3	-	15' Whip	3	7/8	1
174.0	174.0	1	-	12' Whip	1	7/8	1
170.0	170.0	3	rfs	APXV9TM14-ALU-120	1	1-1/4	2
		3	-	TD-RRH8X20-25	27	Jumper Cables	
		3	-		3	AISG Cables	
		3	rfs	APXVSP18-C-A20	3	RFS HB114-1-08-04-MSF	
		3	-	1900 MHz RRH			
		3	-	800 MHz RRH			
		3	-	800 MHz Filters			
1	-	Halo Mount					
168.0	168.0	1	radiowaves	HPD2-4.7	1	WB3176A	1
		1	cambium	PTP49600	2	Jumper Cable	
		1	-	SU-RA-HP-2.4	1	3/8	
159.5	159.5	3	-	APXV18-206517S	6	1-5/8	1
158.5	158.5	1	sinclair	SC420-HF1LDF	1	1-5/8	1
		1	-	Pipe Mount			
144.0	144.0	3	-	20' Whip	2	7/8	1
					1	1/2	
141.0	141.0	1	-	15' Whip	1	1/2	1
139.0	139.0	1	-	10' Whip	1	1/2	1
138.5	138.5	1	-	9' Whip	-	-	1
134.0	134.0	3	argus	LLPX310R	4	1/2	1

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
		3	samsung	Radio Heads U-RAS	6	Cat 5	
		3	andrew	VHLP2.5			
		1	andrew	VHLP2			
		1	-	Platform Mount			
125.0	125.0	6	ericsson	AIR 21 B4A B2P	13	1-5/8	1
		3	PCS	TMA's			
		3	-	T-Frames			
115.0	115.0	6	powerwave	7770	12 3 6	1-5/8 Optic Fiber DC Cables	1
		12	-	TMA's			
		3	kmw	AM-X-CD-16-65-00T-RET			
		6	-	RRU			
		1	-	Surge Protector			
		3	-	T-Frames			
101.0	101.0	1	-	HBX-6517DS-VTM_04DT_2110	13	1-5/8	1
		2	-	HBX-6517DS-VTM_02DT_2110			
		3	-	AWS RRH			
		1	-	DB-T1-6Z-8AB-0Z			
		1	-	LNX-6514DS-VTM_03DT_0850			
		1	-	LNX-6514DS-VTM_04DT_0850			
		1	-	LNX-6514DS-VTM_05DT_0850			
		2	-	SWCP 2X5514			
		1	-	BXA-70063-6CF-2			
		3	-	BXA-171063-12BF			
		6	-	FD9R6004/2C-3L			
		3	-	T-Frames			
87.0	87.0	1	-	3"x2"x22" Panel	2	Cat 5	1
		1	-	TMA			
		1	-	Pipe Mount			
83.0	83.0	1	-	3' Dish	2	Cat 5	1
		1	-	TMA			
		1	-	Standoff Mount			
80.0	80.0	1	-	3"x2"x22" Panel	2	Cat 5	1
		1	-	TMA			
		1	-	Standoff Mount			
30.0	30.0	1	-	Camera	2	1/2	1
24.0	24.0	1	-	3' Yagi	1	1/2	1

- Notes:
 1) Existing Equipment
 2) Reserved Equipment