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Please Reply To:
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January 29, 2016

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

EM-T-MOBILE-081-141010

T-Mobile Site ID CT11052E
84 South Street Overpass, Middlebury 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:

- Reinforce the tower in accordance with the structural analysis report prepared by URS Corp., dated September 30, 2014, stamped by Richard Sambor, prior to the installation of T-Mobile's equipment;
- Verify the removal of the equipment as listed in the structural analysis report;
- 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 prepared by URS Corp., dated September 30, 2014, stamped by Richard Sambor;
- 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 January 26, 2016 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 September 9, 2015.

Sincerely,

Sam Simons

Samuel Simons, T-Mobile

Date: **January 26, 2016**

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: Post Construction Review

Carrier Designation:

**T-Mobile Co-Locate
Carrier Site Number:
Siting Council ID:**

CT11052E
EM-T-Mobile-081-141010

Engineering Firm Designation:

Paul J Ford and Company Project Number: 79916-0006.001.8100

Site Data:

**Interstate 84 South Street Overpass, Middlebury, CT
160 Foot – Self Support Tower**

Dear Sam Simons,

Paul J. Ford and Company has completed a post-construction review per the requirements of the Connecticut Siting Council. The purpose of the letter is to verify that the proposed antennas listed in Table 1 (next page) have been installed. The review 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 90 mph with 1/2 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 Corporation [project number 36928699.00000, dated September 30, 2014] we have determined that loading is similar and should not change the analysis 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, E.I.
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	6	1-5/8	-
		3	-	Smart Bias-T Units			
		3	-	2-Panel Antenna Mounts			

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
160.0	160.0	3	-	6' Microwave Dish	2 9 2	7/8 1-5/8 1/2	1
		1	celwave	PD-83			
		1	decibel	DB-228			
		2	scala	OGT9-806			
		2	-	Amplifier			
		1	decibel	DB810K-Y			
		6	sinclair	SC479-HF1LDF			
	3	-	4' Stand-Off				
	155.0	5	-	Filter/Diplexers	-	-	1
	153.0	1	decibel	DB304-A	1	7/8	1
143.0	143.0	2	scala	OGT9-806	3	1-5/8	1
		1	decibel	DB810K			
		1	-	4' Stand-Off			
138.0	138.0	3	powerwave	7770	12 1 3 6	1-1/4 3" Conduit Fiber DC Cables	1
		3	powerwave	7020 RET			
		6	-	TMA's			
		6	-	Diplexers			
		4	-	SBNH-1D6565C			
		2	kmw	AM-X-CD-16-65-00T			
		9	-	TMA's			
		6	-	Diplexers			
		1	-	Surge Suppressor			
		3	-	T-Frames			
130.0	130.0	1	-	SC479-HF1LDF	1	1-5/8	1
		1	-	Leg Mount			
125.0	125.0	3	-	Tower Mount	-	-	3
		3	ems	RR90-17-02-DP	6	1-5/8	1
		3	-	TMA's			
122.0	122.0	1	celwave	PD1142	1	7/8	1
		1	-	3' Stand-Off			

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
115.0	115.0	1	-	20' Omni	-	-	2
		1	-	Leg Mount			
110.0	110.0	2	-	6' Dish	2	WEP65	1
		2	-	Dish Mounts			
97.0	97.0	3	rfs	APXV9TM14-ALU-I20	27	8' Jumper 8' AISG Fiber	2
		3	alcatel	TD-RRH-8x20-25 RRH	3		
		1	-	Junction Box	1		
		3	rfs	APXVSPP-C-20	6	1-1/4 Hybriflex	1
		3	andrew	RRH 800 MHz 2x40W			
		3	panasonic	RRH 1900 MHz 2x40W			
1	-	Pipe Mounts					
85.0	85.0	1	rfs	PD10054	1	7/8	1
		1	-	Leg Mount			
55.0	55.0	1	-	GPS-TMG-HR-26NCM	1	1/2	1
		1	-	2' Stand-Off			

Notes:

- 1) Existing Equipment
- 2) Reserved Equipment
- 3) Equipment to be Removed