

January 5, 2018 (Rev1)



99 East River Road, 9th Floor
East Hartford, CT 06108

RE: Site Name: Middletown CT
Site Address: 200 Court Street
Middletown, CT 06457

To Whom It May Concern:

Hudson Design Group LLC (HDG) has been authorized by Verizon Wireless to perform a mount assessment on the existing Verizon antenna mounts to determine their capability of supporting the following additional equipment loading:

- **(5) JAHH-65A-R3B antennas (in place of 5 HBXX-6517DS-A2M antennas) (2 per Beta and Gamma, 1 per Alpha)**
- **(1) JAHH-65B-R3B antennas (in place of one HBXX-6517DS-A2M antennas) (Alpha sector)**
- **(3) RRUS 2x60W RRH's (in place of three 2x40W RRH's) (one per sector)**
- **(3) 4T4R B5 RRH's (in place of three 2x60W RRH's) (one per sector)**
- **(3) RRUS 2x90W AWS RRH's (one per sector)**

Based on our assessment, we have determined that the existing structure and antenna mounts **ARE CAPABLE** of supporting the proposed Verizon Wireless antenna upgrades at their proposed locations. The proposed upgrades will not negatively impact the structural integrity of the existing Verizon Wireless equipment shelter or the host building. HDG reviewed field photographs and loadings to determine this assessment.

This assessment was conducted in accordance with EIA/TIA-222-G, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures and the International Building Code 2012 with 2016 CTSBC Amendments.

This determination was based on the following limitations and assumptions:

1. Equipment and locations should not deviate from the construction drawings without written approval of the engineer.
2. HDG is not responsible for any modifications completed prior to and hereafter which HDG was not directly involved.
3. All structural members and their connections are assumed to be in good condition and are free from defects with no deterioration to its member capacities. Contractor is to perform a pre-inspection to confirm.
4. All antennas, coax cables and waveguide cables are assumed to be properly installed and supported as per the manufacturer requirements.
5. All components supporting the Verizon equipment are assumed to be designed to all applicable codes and design for identical to or larger than the current loads.
6. HDG did not perform a condition assessment of the existing building structure.

Please feel free to contact our office should you have any questions.

Respectfully Submitted,
Hudson Design Group LLC

Michael Cabral
Structural Dept. Head



Daniel P. Hamm, PE
Principal