MASER CONSULTING
— CONNECTICUT —

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December 11, 2015

Rich Wagner
Smartlink LLC
1362 Mellon Road, Suite 140
Hanover, MD 21076

Re: Structural Evaluation
AT&T: Site CTL01330
FA #10141394
324 Montevideo Road
Avon, Connecticut 06001
Maser Consulting Project #: 15946012A

Dear Mr. Wagner,

As per your request, Maser Consulting Connecticut has performed a limited structural evaluation of the above referenced AT&T telecommunication facility with regard to its ability to adequately support the proposed upgrade equipment.

The following references were utilized in completing this evaluation:

- As-Built Construction drawings prepared by Centek Engineering, dated August 7, 2015.
- Structural Analysis prepared by Centek Engineering, dated June 2, 2015
- RFDS ID 741080, provided by Smartlink, dated 6/23/2015, LTE 3C scope of work
- Limited Visual Site Visit performed by Maser Consulting Connecticut on September 30, 2015

The existing AT&T Telecommunications facility will be upgraded with the following proposed equipment:

- At each sector replace existing SBNH-1D6565C Antenna (96.4"x11.9"x7.1") with proposed OPA-65R-LCUU-H8 Antenna (92.7"x14.4"x7") on existing mount (3 total).
- Install (1) proposed RRUS-32 radio head on unistrut frame mounted to the existing antenna mast behind each antenna at each sector (3 Total).

The location and mounting of the equipment will be on mounts in kind to those existing and in locations depicted on the Maser Consulting Connecticut Construction drawings completed for the scope of work indicated in the above referenced RFDS.

The existing structure consists of a SST with an existing 18' diameter Doppler Radar Dome at the top. The existing AT&T antenna array is installed inside the existing Radar dome. Based on a review of the existing documents referenced above the previous upgrade loading was accounted for in the existing structural analysis. The proposed antennas are similar in weight and size as the existing antennas, and are located entirely inside the existing radar dome. There will be no additional wind or ice loads as a result of the proposed upgrades.

Based on this comparison the existing SST has adequate capacity to support the proposed configuration as described herein.

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This evaluation was based on the following limitations and assumptions:

1. It is assumed that the telecommunication equipment supports, antenna supports, and existing structure have been designed by a registered licensed professional engineer for the existing loads acting on the structure, as required by all applicable codes, prior to the proposed modifications listed within this report.

2. It is assumed that information provided by the client regarding the structure itself, the antenna models, feed lines, and other relevant information is current and correct.

3. It is assumed all other existing appurtenances, antennas, cables, etc. belonging to others have been installed and supported per code and per specifications so as not to damage any existing structural support members, and that any contributing loads from adjacent equipment has been taken into consideration for their design.

4. Proposed equipment and locations should not deviate from the proposed locations noted herein and shown on the associated Maser Consulting Connecticut final Construction Drawings.

The proposed changes to the equipment loading, described in this report, are based solely on the information contained within the above referenced documents and described herein. Any changes to the proposed equipment will invalidate these recommendations and will require further review. Should you have any questions please contact me at 973-398-3110.

Sincerely,
Maser Consulting Connecticut

STATE OF CONNECTICUT
FRANK E. PAZDEN
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PROFESSIONAL ENGINEER

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