

October 20, 2025

Structural Letter for Verizon – 5G L-Sub6 - Carrier Add

Site Data:	Address:	4653 Ethan Allen Highway, ST Albans, VT 05478, Franklin County
	FUZE ID:	16994526
	MDG Location ID:	5000027078
	Site Name:	Georgia 3 VT - A
	NB+C ES Project Number:	100859

Pursuant to your request **TKK Engineering D.P.C. Inc. Engineering Services("TKK ES")** has evaluated the proposed Verizon Wireless upgrade at the subject location. The existing structure is a 83.3' Silo located in ST Albans, VT. The following table below shows the proposed installation.

Table 1 – Final Antenna and Cable Information

Equipment Centerline (ft)	Quantity	Antenna Manufacturer	Antenna Model	Cables
77.0	3	Samsung	MT6413-77A	(2) 6X12 Hybrids (3) 3x6 Hybrid
	9	Andrew	SBNHH-1D65B	
	3	Samsung	RF4461d-13A	
	3	Samsung	RF4801d-25A	
	2	Raycap	OVP-6	
	3	Raycap	NGOVP	

Note: Proposed equipment shown in **bold**.

As part of this review and certification, **TKK ES** has reviewed the following documents: RFDS provided by Verizon dated October 3, 2025, Preliminary Construction Drawings prepared by **TKK ES** dated October 20, 2025, Overall Site Plan prepared by DuBois & King dated February 17, 2017, Previous Construction Drawings prepared by DuBois & King dated December 5, 2017, Close out Documents provided by Prescott Tower Service Ltd., dated June 14, 2018, and Structural Assessment Letter prepared by All-Points Technology Corporation dated August 21, 2017.

This letter assumes that all structural members are in good condition. The contractor shall be responsible for the means and methods of construction. No structural qualification is made or implied by this letter for existing structural members not supporting the proposed installation. Any deterioration or localized damage or distress to the structure or mounts should be documented and reported to the engineer and repaired by the contractor prior to the installation of the proposed antennas.



Based on an assessment of the existing site conditions and by reviewing the aforementioned documents, and per the code provision of the 2015 International Building Code and *ANSI/TIA-222-H Structural Standard for Antenna Supporting Structures and Antennas* for applied gravity and lateral loads, **TKK ES** has determined that the existing structure is adequate and can support the proposed installation without any structural modification or reinforcement to the existing structure.

The proposed equipment will be installed on existing and proposed Pipe Mounts attached to the side of the Silo Structure. The proposed equipment upgrade results in a negligible change in wind load and dead load compared to the previously certified condition. Additionally, the proposed configuration will result in a decrease in EPA Loading due to antenna and RRH swap. Accordingly, the conclusions of the prior structural assessment remain valid. Therefore, the existing structure and mounts are adequate to support the proposed loading.

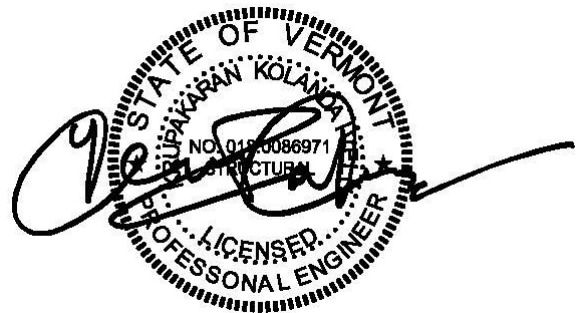
Should you have any questions or require additional information, please feel free to contact us.

TKK ENGINEERING SERVICES, LLC

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Respectfully submitted by:

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10/20/2025