



STATE OF CONNECTICUT  
*CONNECTICUT SITING COUNCIL*

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**VIA ELECTRONIC MAIL**

April 16, 2021

Kenneth C. Baldwin, Esq.  
Robinson & Cole LLP  
280 Trumbull Street  
Hartford, CT 06103-3597

RE: **DOCKET NO. 498** – Diamond Towers V, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at 185 Academy Road (Route 68/Route 70), Cheshire, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than May 3, 2021. To help expedite the Council's review, please file individual responses as soon as they are available. At this time, consistent with the Council's policy to prevent the spread of Coronavirus, please submit an electronic copy only to [siting.council@ct.gov](mailto:siting.council@ct.gov). However, please be advised that the Council may later request one or more hard copies for records retention purposes.

Copies of your responses shall be provided to all parties and intervenors listed in the service list, which can be found on the Council's website under the "Pending Matters" link.

Any request for an extension of time to submit responses to interrogatories shall be submitted to the Council in writing pursuant to §16-50j-22a of the Regulations of Connecticut State Agencies.

Sincerely,

*Melanie Bachman*

Executive Director

MB/IN/lm

c: Service List dated April 8, 2021

**Docket No. 498**  
**Cellco**  
**Pre-Hearing Interrogatories**  
**April 16, 2021**  
**Set One**

**General**

1. What is the estimated cost of Cellco’s equipment, including installation? How is the cost of Cellco’s installation recovered?

**Site Search**

2. Identify the approximate center and radius of Cellco’s site search area.

**Proposed Wireless Services**

3. Will the Cellco's equipment support text-to-911 service? Is additional equipment required for this purpose?
4. What is the signal strength for which Cellco designs its system? For in-vehicle coverage? For in-building coverage?
5. What is the existing signal strength within the area Cellco is seeking to cover from this site?
6. Does Cellco have any statistics on dropped calls and/or ineffective attempts in the vicinity of the proposed facility? If so, what do they indicate? Does Cellco have any other indicators of substandard service in this area?
7. What frequencies would be installed at the site? Would all frequencies provide both voice and data? Please explain.
8. Is there existing Cellco coverage for the 850 MHz frequency within the subject area? If not, does Cellco intend to provide coverage for the 850 MHz frequency as part of its installation?
9. Provide existing coverage gaps in miles for the 700, 1900, and 2100 MHz frequencies for the eastern portion of Route 68 and the surrounding local roads, the overall existing coverage footprints in square miles and the proposed coverage mileage and square miles as represented in the example below:

<b>Street Name</b>	<b>700 MHz Coverage Gap</b>	<b>1900 MHz Coverage Gap</b>	<b>2100 MHz Coverage Gap</b>
Route 2	2.5 miles	5 miles	4.5 miles
Route 32	1.0 mile	3 miles	2 miles
Route 87	0.5 mile	2.5 miles	1 mile
Interstate 395	2.5 miles	2.5 miles	2.5 miles
<b>State Road Total</b>	6.5 miles	13 miles	10 miles

<b>Overall Coverage Footprint</b>	49 square miles	6 square miles	7.5 square miles
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10. In addition to the information provided in Attachment 2 of the Application, please provide the distances and directions to the adjacent sites with which the proposed facility would hand off signals. Include antenna centerline heights for Cellco at these sites.
11. Please identify which of the sites listed in Attachment 2 of the Application and what frequencies and sectors would benefit from capacity relief.
12. What is the lowest height at which Cellco's antennas could achieve its wireless service objectives from the proposed facility? What would be the consequences in terms of coverage and/or capacity relief?
13. Would the deployment of the proposed facility be sufficient to address Cellco's capacity concerns or would an additional facility be required in the near term to off-load traffic?
14. Are any of the frequencies planned for installation at this facility capable to provide 5G services for Cellco's network? If so, identify the frequencies.

#### **Backup power**

15. Would the proposed emergency backup generator and concrete pad have containment measures to protect against fluid leakage?
16. What would be the estimated run time for Cellco's propane generator before they would need to be refueled, assuming it is running at full load under normal conditions?

#### **Public Safety**

17. Would a battery backup (if applicable) be used to provide uninterrupted power and prevent a reboot condition? How long could the battery backup alone supply power to the facility in the event that the generator fails to start?
18. Would Cellco's antennas comply with federal E911 requirements?
19. Would Cellco's installation comply with the intent of the Warning, Alert and Response Network Act of 2006?