

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE: :
APPLICATION OF ARX WIRELESS : DOCKET NO. 500
INFRASTRUCTURE, LLC FOR A :
CERTIFICATE OF ENVIRONMENTAL :
COMPATIBILITY AND PUBLIC NEED FOR :
THE CONSTRUCTION, MAINTENANCE :
AND OPERATION OF A WIRELESS TELE- :
COMMUNICATIONS FACILITY LOCATED :
AT 1061-1063 BOSTON POST ROAD, :
MILFORD, CONNECTICUT : JULY 15, 2021

**RESPONSES OF CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS
TO CONNECTICUT SITING COUNCIL
PRE-HEARING INTERROGATORIES - SET TWO**

On July 1, 2021, the Connecticut Siting Council (“Council”) issued Pre-Hearing Interrogatories, Set Two to Cellco Partnership d/b/a Verizon Wireless (“Cellco”), relating to Docket No. 500. Below are Cellco’s responses.

Question No. 27

Would the proposed facility provide greater capacity relief to surrounding facilities than the existing facility at 1052 Boston Post Road?

Response

The existing rooftop tower facility at 1052 Boston Post Road is a flagpole type structure which places space limitations on the antennas and equipment that Cellco can install. The equipment that provides the most coverage and the most capacity for our newly acquired 3,700MHz frequency (C-Band) consists of an active antenna (an antenna that includes the radios). This cannot be placed inside a flagpole due to space and cooling limitations. Similarly, the antenna arrangement that provides the most capacity on the 700MHz and 850MHz

frequencies consists of two side-by-side antennas which also don't fit inside a flagpole. The proposed ARX facility, with a traditional triangular antenna platform and array will allow Cellco to get the most capacity out of our operating frequencies. In short, yes, the proposed ARX facility will provide more capacity than the existing 1052 Boston Post Road facility.

Question No. 28

Has the Centralized-Radio Access Network approved by the Council in Petition No. 1357 been installed at 1052 Boston Post Road?

Response

Yes, the C-RAN Hub has been installed and recently activated.

Question No. 29

Using the facility at 1052 Boston Post Road as a center point, please provide the estimated radius within which a replacement facility could be located to satisfy Cellco's coverage objectives/goals.

Response

Given the fixed locations of Cellco's surrounding macro and small cell facilities in the area, we would estimate that a replacement facility that is up to 0.3 mile to the east or 0.7 miles to the West of 1052 Boston Post Road would likely satisfy Cellco's wireless service objectives in the area.

Question No. 30

Would the facility at 160 Wampus Lane be a viable alternative to the proposed facility at 1063 Boston Post Road? Please elaborate.

Response

The existing tower at 160 Wampus Lane is approximately 0.6 miles southeast of Cellco's

existing cell site at 1052 Boston Post Road and would not be a viable alternative to the proposed ARX tower because it would leave a gap in coverage on I-95 especially at Cellco's higher frequencies (1900MHz and 2100MHz).

Question No. 31

With reference to Cellco's response to Council interrogatory 10, please clarify whether a 130-foot tower located in the southerly parking lot of the Connecticut Post Mall at 1201 Boston Post Road would be adequate to provide customers with wireless services to the area the existing facility at 1052 Boston Post Road currently covers? Would a facility located farther to the west on the mall property be at an acceptable distance from Cellco's facility at 311 Old Gate Road?

Response

The southwest portion of the mall parking lot is about 0.85 miles from Cellco's Old Gate facility and while that is closer than we would like, it would provide sufficient coverage to replace the existing facility at 1052 Boston Poston Road.

CERTIFICATION OF SERVICE

I hereby certify that on this 15th day of July 2021, a copy of the foregoing was sent, via electronic mail, to the following:

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