

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE:  
APPLICATION OF T-MOBILE NORTHEAST,  
LLC FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY AND  
PUBLIC NEED FOR THE CONSTRUCTION,  
MAINTENANCE AND OPERATION OF A  
TELECOMMUNICATIONS TOWER FACILITY  
AT 232 SHORE DRIVE IN  
OLD LYME, CONNECTICUT

DOCKET NO. 391

February 23, 2010

INTERVENOR NEW CINGULAR WIRELESS ("AT&T")  
SUBMISSION OF SUPPLEMENTAL PHOTOSIMULATIONS  
AND REVISED VIEWSHED ANALYSIS

As indicated in AT&T's response to Siting Council interrogatories dated January 20, 2010 and at the hearing on the captioned Docket held on February 4, 2010, AT&T requires a height of at least 90' AGL on the proposed 100' tall facility to provide adequate service. As there are already two (2) other carriers proposed at 90' and 100', AT&T requested that VHB prepare revised photosimulations and comparative viewshed analysis of the proposed facility depicting the proposed 100' tower facility with a 10' extension. Accordingly, AT&T respectfully submits the revised photosimulations and comparative viewshed analysis.

As depicted in these photosimulations and comparative viewshed analysis, there is little visual difference between a tower of 100' in height and 110' in height. Further, by making space available for three (3) carriers with demonstrated need, the facility at 110' will obviate the need for an additional tower facility in the area.

CERTIFICATE OF SERVICE

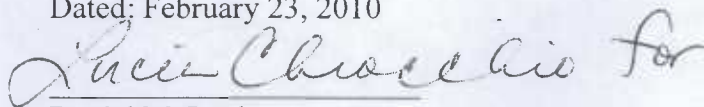
I hereby certify that on this day, an original and twenty copies of AT&T's Supplemental Submission were served on the Connecticut Siting Council by electronic mail and overnight delivery as well as delivery to the following:

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Town of Old Lyme  
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Dated: February 23, 2010

  
Daniel M. Laub

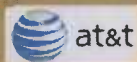
cc: Michele Briggs, AT&T  
John Blevins, AT&T  
Christopher B. Fisher, Esq.

Photographic Documentation and Simulations

# Proposed Wireless Telecommunications Facility

Proposed 10-Foot Extension  
232 Shore Road  
Old Lyme, CT

SUBMITTED TO:



SUBMITTED BY:





# PHOTOLOG MAP



at&t





**PHOTOGRAPHIC SIMULATION**

**VIEW 1**



**PHOTO TAKEN FROM OTTER ROCK ROAD ADJACENT TO HOUSE #14, LOOKING EAST**  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.28 MILE +/-





**PHOTOGRAPHIC DOCUMENTATION**

**VIEW 2**



**PHOTO TAKEN FROM ROUTE 156 (SHORE ROAD) AT DOGWOOD DRIVE, LOOKING NORTHEAST**  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.29 MILE +/-



PHOTOGRAPHIC SIMULATION

VIEW 2



PHOTO TAKEN FROM ROUTE 156 (SHORE ROAD) AT DOGWOOD DRIVE, LOOKING NORTHEAST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.29 MILE +/-

www.vtr.com





PHOTOGRAPHIC DOCUMENTATION

VIEW 3



PHOTO TAKEN FROM ROUTE 156 (SHORE ROAD) AT HAWKS NEST ROAD, LOOKING NORTHWEST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.17 MILE +/-

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PHOTOGRAPHIC SIMULATION

VIEW 3



PHOTO TAKEN FROM ROUTE 156 (SHORE ROAD) AT HAWKS NEST ROAD, LOOKING NORTHWEST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.17 MILE +/-



PHOTOGRAPHIC DOCUMENTATION

VIEW 4



PHOTO TAKEN FROM HAWKS NEST ROAD ADJACENT TO HOUSE #10, LOOKING NORTHWEST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.17 MILE +/-

PHOTO TAKEN FROM HAWKS NEST ROAD ADJACENT TO HOUSE #10, LOOKING NORTHWEST



PHOTOGRAPHIC SIMULATION

VIEW 4



PHOTO TAKEN FROM HAWKS NEST ROAD ADJACENT TO HOUSE #10, LOOKING NORTHWEST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.17 MILE +/-



PHOTOGRAPHIC DOCUMENTATION

VIEW 5



PHOTO TAKEN FROM CENTER BEACH AVENUE ADJACENT TO HOUSE #14, LOOKING NORTH  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.26 MILE +/-









**PHOTOGRAPHIC DOCUMENTATION**

**VIEW 6**



**PHOTO TAKEN FROM LIBERTY STREET AT CORSINO AVENUE, LOOKING NORTHWEST**  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.51 MILE +/-

www.earthlink.net



PHOTOGRAPHIC SIMULATION

VIEW 6



PHOTO TAKEN FROM LIBERTY STREET AT CORSINO AVENUE, LOOKING NORTHWEST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.51 MILE +/-





Comparative Viewshed Analysis  
Proposed 100-Foot Tall Monopole  
(To Be Constructed by Others) and  
10-Foot Extension  
232 Shore Road  
Old Lyme, Connecticut

**NOTE:**



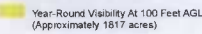

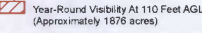







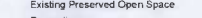









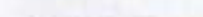







- Viewshed analysis conducted using ESRI's Spatial Analyst.
- Proposed Facility height is 100 feet, Proposed Extension to 110 Feet.
- Existing tree canopy height estimated at 60 feet.
- Study Area is comprised of a two-mile radius surrounding the proposed facility and includes 8,042 acres of land.

**DATA SOURCES:**

- Digital elevation model (DEM) derived from Connecticut LIDAR-based Digital Elevation Data (collected in 2000) with a 10-foot spatial resolution produced by the University of Connecticut and the Center for Land Use Education and Research (CLEAR), 2007
- Forest areas derived from 2006 digital orthophotos with 1-foot pixel resolution; digitized by VHB, 2009
- Base map comprised of Old Lyme (1970) and Niantic (1983) USGS Quadrangle Maps
- Protected municipal and private open space properties and federal protected properties and data layers provided by CT DEP, 1997
- Protected CT DEP properties data layer provided by CTDEP, May 2007
- CT DEP boat launches data layer provided by CT DEP, 1994
- Scenic Roads layer derived from available State and Local listings.

Map Generated February, 2010

**Legend**

- |  |   |
|--|---|
|  Tower Location   |  CT DEP Protected Properties (2007)    |
|  Year-Round Visibility At 100 Feet AGL (Approximately 1817 acres) |  State Forest                          |
|  Year-Round Visibility At 110 Feet AGL (Approximately 1878 acres) |  State Park                            |
|  Protected Municipal and Private Open Space Properties (1997)     |  DEP Owned Waterbody                   |
|  Cemetery   |  State Park Scenic Reserve             |
|  Preservation   |  Historic Preserve                     |
|  Conservation   |  Natural Area Preserve                 |
|  Existing Preserved Open Space                                  |  Fish Hatchery                         |
|  Recreation   |  Flood Control                         |
|  General Recreation   |  Other                                 |
|  School   |  State Park Trail                      |
|  Uncategorized  |  Water Access                          |
|  |  Wildlife Area                         |
|  |  Wildlife Sanctuary                    |
|  |  Federal Protected Properties (1997) |
|  |  CT DEP Boat Launches (1994)         |
|  |  Scenic Road (State and Local)       |
|  |  Town Line                           |

