



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

Phone:

June 10, 2020

Ms. Melanie Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Dear Ms. Bachman:

Subject: Petition 93-190103
 Modification of the telecommunication facility
 142 Baldwin Drive
 City of New Haven

The Department of Transportation has reviewed the above-mentioned Petition and offers the following comment.

As regulated by Connecticut General Statute 13b-17, an Encroachment permit is required for any work which will affect the State right of way at 142 Baldwin Drive in the Town of New Haven. Therefore, T-Mobile must attain a Highway Encroachment Permit in conjunction with the Connecticut General Statutes prior to performing any work within the right of way. The District 3 Permit Office will need to review three complete sets of construction plans which show all work within the State highway right of way, all site work, any required easements and standard details for highway construction prior to issuing the encroachment permit.

The District 3 Permit Office will determine the bond amount, insurance coverage, maintenance and protection of traffic, inspection, roadway restoration and pavement requirements. Please see attached D.O.T. Screening Checklist.

Should you have any questions, please contact Ms. Latoya Smith, Utility Engineer (Utilities) at (860) 594-2533.

Very truly yours,

Transportation Supervising Engineer
Division of Facilities and Transit
Bureau of Engineering and Construction

Enclosure

Latoya Smith:ls

bcc: Mark Rolfe

James A. Fallon-Leo Fontaine-Andrzej Mysliwiec-Derek Brown-Latoya Smith

James Chupas- John DeCastro-Christopher Brochu

Edgar T. Hurle-Kevin Carifa-Desmond P. Dickey



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, 06051

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<https://www.ct.gov/csc>

Screening Checklist

Connecticut Department of Transportation

Potential Transportation Infrastructure Impacts

Connecticut Siting Council Petition # 93-190103

Location: 142 Baldwin Ave , New Haven

1. Is the proposed facility abutting –the-right of way of a State maintained highway?

_____ No

Yes – Specify the location and show location on a detail site plan.

2. Is the access for construction and maintenance of the proposed facility needed directly from a State maintained highway.

_____ No

Yes – Identify specify needs and access location.

3. Is the proposed facility within or abutting a State owned Railroad Right-of-Way?

No

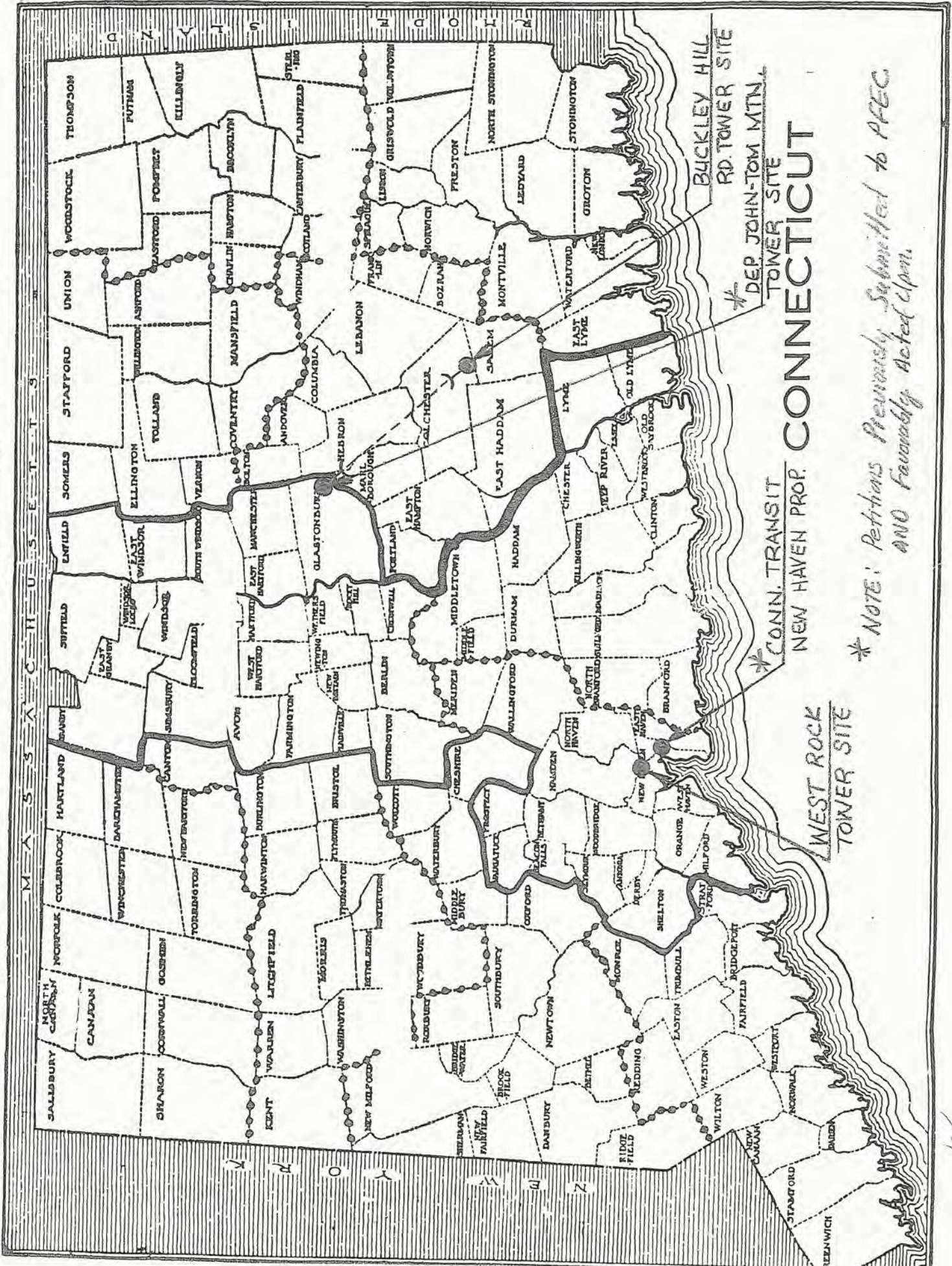
_____ Yes-Please provide an area and site plan.

4. Is the proposed facility within a two mile radius of any lands classified as preserved scenic land in accordance with CGS Section 13a-85a, " Acquisition of land adjacent to state highways for preservation and enhancement of scenic beauty and development of rest and recreation areas", or any designated scenic road in accordance with CGS Section 13b-31c, "Designation of scenic roads"?

No

_____ Yes

TELECOMMUNICATIONS TOWER AND MICROWAVE ROUTE MAP



*BUCKLEY HILL
RD. TOWER SITE

*DEP. JOHN-TOM MTN.
TOWER SITE

*CONN. TRANSIT
NEW HAVEN PROP. CONNECTICUT

*WEST ROCK
TOWER SITE

* NOTE: Petitions Previously Submitted to AFEC
AND Favorably Acted Upon.

STATE OF CONNECTICUT
POWER FACILITY EVALUATION COUNCIL

PETITION FOR DECLARATORY RULING

Ms. Gloria Dibble Pond, Chairperson
Power Facility Evaluation Council
State Office Building, Room 24
165 Capitol Avenue
Hartford, Connecticut 06115

Dear Ms. Dibble Pond:

Pursuant to Section 4-176 of the Connecticut General Statutes and Section 16-50j-39 of the Regulations of Connecticut State Agencies, the State Department of Transportation hereby petitions for a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need is required pursuant to Section 16-50k(a) of the Connecticut General Statutes for our installation of a 6' to 8' microwave parabolic antenna on our existing telecommunications tower located on West Rock Mountain in New Haven, and two 6' to 8' microwave parabolic antennas on the existing telecommunications tower located on Buckley Hill Road in Colchester, which is owned by the Colchester Emergency Communications, Incorporated. Communications and correspondence should be addressed to Mr. Thomas F. Kirker, Regional Transit Manager, Bureau of Public Transportation, at 24 Wolcott Hill Road, Wethersfield, Connecticut 06109, telephone number 566-4904.

I. New Haven - West Rock Tower Antenna Addition (See Attachment A)

It is submitted that no Certificate of Environmental Compatibility and Public Need is required for this project since; (1) the proposed microwave parabolic antenna will be attached to an existing telecommunications tower owned by the Department of Transportation which has been determined to be structurally capable to support the added antenna by its manufacturer, and (2) that the proposed antenna will not have any substantial adverse environmental effect pursuant to Section 16-50k(d). This antenna will be a necessary component of the microwave link route to our Connecticut Transit bus property in New Haven. The link will provide necessary transit communications, operating data and will also be capable of transmitting emergency alarms for the greater New Haven bus system. No alteration and/or clearing to the existing site will be required.

The antennas proposed will be 6' to 8' in diameter. The exact dimension will be determined when bids for the Connecticut Transit Radio System are received and an award made.

The following telecommunications tower inventory is provided as required.

- a) Ground Elevation: 450' based on U.S.G.S. datum
- b) Tower Height: 120'
- c) Latitude: 41°-20'-43"
- d) Longitude: 72°-58'-17"
- e) U.S.G.S. Quadrangle Map: New Haven Quadrangle N4115
- f) 8½" x 11" Map Copy of Tower Location(See Attachment B)
- g) Tower Use: Telecommunications
- h) Tower Type: Rhon Model SSV Heavy Duty Series with 11N through 6N Sections
- i) Strength of Signal: See Item III

II. Colchester - Buckley Hill Tower Antenna Addition (See Attachment A)

It is submitted that no Certificate of Environmental Compatibility and Public Need is required for this project since; (1) the proposed microwave parabolic antennas will be attached to an existing telecommunications tower owned by the Colchester Emergency Communications, Inc.; address, State Police Barracks, Old Hartford Road, P.O. Box 317, Colchester, Connecticut 06415. This tower has been determined to be structurally capable to support the added antennas, and (2) that the proposed antennas will not have any substantial adverse environmental effect pursuant to Section 16-50k(d), (3) that it is in the mutual benefit of all parties concerned that shared use of existing telecommunications towers, where possible, be explored, and (4) that the Colchester Emergency Communications, Inc., through its Board of Directors, has authorized our mutual shared use of the Buckley Hill Tower.

This antennas will be a necessary component of the microwave link routes to our Connecticut Transit Hartford bus property. The link will provide necessary transit communications, operating data and will also be capable of transmitting emergency alarms for the greater Hartford bus system. No alteration and/or clearing to the existing site will be required. The antennas proposed will be 6' to 8' in diameter. The exact dimension will be determined when bids for the Connecticut Transit Radio system are received and an award made.

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ANTENNA UPGRADES BY

T-Mobile

T-MOBILE NORTHEAST LLC

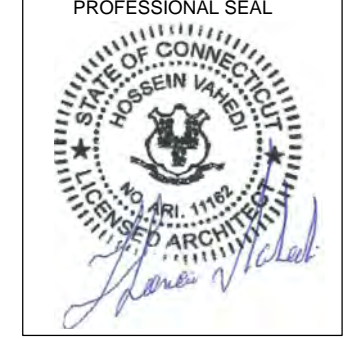
PROJECT: L700 4X2 AAS
SITE NUMBER: CT11086B
SITE NAME: NEW HAVEN/WC X59
SITE ADDRESS: 142 BALDWIN DRIVE
NEW HAVEN, CT 06515
(RF CONFIGURATION 67D92M)

APPLICANT:
T-Mobile
T-MOBILE NORTHEAST LLC
 35 GRIFFIN ROAD SOUTH
 BLOOMFIELD, CT 06002
 860-692-7100

PROJECT MANAGER

NSS NORTHEAST
 SITE SOLUTIONS
Turnkey Wireless Development
 420 MAIN STREET, BLDG 4
 STURBRIDGE, MA 01566
 203-275-6669

CONSULTANT:
FORESITE LLC
 Architects . Engineers . Surveyors
 462 WALNUT STREET
 NEWTON, MA 02460
 617-212-3123



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REV	DESCRIPTION	DATE
A	PRELIMINARY	08/31/18
0	SIGNED AND SEALED	09/04/18

SITE NUMBER: CT11086B
SITE NAME: NEW HAVEN/WC X59
SITE ADDRESS: 142 BALDWIN DRIVE
NEW HAVEN, CT 06515

SHEET TITLE:
T-1: TITLE SHEET



PROJECT SCOPE:
 UPGRADE OF EXISTING WIRELESS FACILITY AS FOLLOWS:
 REPLACE (6) EXISTING ANTENNAS,
 REPLACE (6) REMOTE RADIO UNITS (RRU),
 ADD (1) 6X12 HYBRID CABLES.

- PROJECT NOTES:**
- THIS IS AN UNMANNED TELECOMMUNICATION FACILITY AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS IS NOT REQUIRED. POTABLE WATER OR SANITARY SERVICE IS NOT REQUIRED. NO OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES REQUIRED.
 - CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. FAILURE TO NOTIFY THE ARCHITECT/ENGINEER PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO CORRECT THE DISCREPANCIES AT THE CONTRACTOR'S EXPENSE.
 - DEVELOPMENT AND USE OF THE SITE WILL CONFORM TO ALL APPLICABLE CODES, ORDINANCES AND SPECIFICATIONS.
 - REFER TO STRUCTURAL ANALYSIS REPORT ENTITLED "DETAILED STRUCTURAL ANALYSIS AND MODIFICATION OF AN EXISTING 120' SELF SUPPORT LATTICE AND FOUNDATION FOR PROPOSED ANTENNA ARRANGEMENT" SITE ID: CT11086B, DATED AUGUST 28, 2018, PREPARED BY AECOM.

APPLICABLE STATE ADOPTION CODES:
 2016 CONNECTICUT STATE BUILDING CODE (CSBC).
 ANSI/TIA-222-G-2005 STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.
 2014 NATIONAL ELECTRICAL CODE (NFPA 70) FOR POWER AND GROUNDING REQUIREMENTS.

APPROVALS:

FSA CM	DATE
RF ENGINEER	DATE
FOPS	DATE
T-MOBILE ENGINEERING AND DEVELOPMENT	DATE
	DATE
	DATE

PROJECT INFORMATION:

ADDRESS: 142 BALDWIN DRIVE
 NEW HAVEN, CT 06515

STRUCTURE TYPE: LATTICE TOWER

COORDINATES: 41.345440 N -72.970710 W

PROJECT TEAM:

APPLICANT: T-MOBILE NORTHEAST, LLC.
 35 GRIFFIN ROAD SOUTH
 BLOOMFIELD, CT 06002
 860-692-7100

LANDLORD: CT STATE POICE

PROJECT MANAGER: NORTHEAST SITE SOLUTIONS
 420 MAIN STREET, BLDG 4
 STURBRIDGE, MA 01566
 SHELDON FREINCLE
 SHELDON@NORTHEASTSITE
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 201-776-8521

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SHEET INDEX:

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 A-4: ANTENNA DETAILS
 E-1: GROUNDING DETAILS
 END: STRUCTURAL MODIFICATION DESIGN (BY OTHERS)