

STATE OF NEW HAMPSHIRE

Inter-Department Communication

DATE: June 11, 2021

AT (OFFICE): NHPUC

FROM: Paul Kasper *PgK*
Assistant Director, Safety Division

SUBJECT: Docket No. DT 21-105 Consolidated Communications of Northern New England, LLC d/b/a Consolidated Communications
Petition for a License to Construct and Maintain Communication Cable Lines Over and Across Land Owned by the State in the Towns of Peterborough and Temple, New Hampshire
Staff Recommendation

TO: Debra Howland, Executive Director
Thomas Frantz, Director, Electric Division
Richard Chagnon, Assistant Director, Electric Division
Lynn Fabrizio, Senior Staff Attorney, Legal Division

CC: Randy Knepper, Director, Safety Division

The Safety Division's review of the above petition consisted of the following elements:

- Petition contents and history;
- Applicable State Statute;
- Review of the existing crossing(s) already licensed by the PUC;
- Review of land ownership of existing pole structures;
- Review of NESC code requirements as described in Puc 300;
- Review of public need and public impact, including applicability of other State regulations;
- Conclusions and Recommendations.

1. Petition contents and history

On May 20, 2021, Consolidated Communications of Northern New England, LLC d/b/a Consolidated Communications (CC), filed a petition pursuant to RSA 371:17 and 371:17-a for a license to re-construct, maintain, and operate telecommunication cable lines, which is a steel strand .306 inches in diameter to the poles and lash a 50-pair copper cable (BKMA) to the strand and which will be over lashed with (1) 72-Fiber Telecommunication Cable. This Petition relates to work being completed in the area of Peterborough and Temple, New Hampshire, in Miller State Park in land owned by the State

of New Hampshire. The project has been described in detail by Public Service Company of New Hampshire (“Eversource”) in Docket DE 20-115. Eversource’s work was the subject of a similar Petition for License (the “Eversource Petition”) granted by the Commission in its Order Nisi 26,465 dated March 31, 2021. See the detailed NHPUC Safety Division map/schematic in the attachments Map 1, Map 2, and Map 3 of this recommendation.

A field survey of the proposed utility corridor was performed by the New Hampshire Natural Heritage Bureau (NHNHB). All plant species present, 16 herbaceous and 9 woody species, were recorded. None of these species are tracked by NHNHB. None of these forest areas are in a condition or level of development that would warrant formal documentation as exemplary by NHNHB.

For clarity, Safety Staff summarized the twenty-nine (29) structures with a PUC-noted reference number, which will be found on the attached Safety Division map. Common to all these noted structures, One (1) new Telecommunication cable line, which is a steel strand .306 inches in diameter to lash a 50-pair copper cable (BKMA) to the strand, which will be over lashed with (1) 72-Fiber Telecommunication Cable. The communication cable clearance requirements were met using the National Electrical Safety Code (NESC) conditions for all crossings within these segments. Only 9.5 feet clearance is required by the NESC Table 232-1 for these crossings. Refer to (CC) exhibits 0 through 10.

Structure	Type	SPAN (pole to pole)	Distance (feet)	ES Vertical Design Clearance (ft.)	Complies with NESC Table 232- 1
P 81/1	40' Class 1 Penta Wood Pole	A	123	22.1	YES
P 81/2	40' Class 1 Penta Wood Pole	B	147	19.6	YES
P 81/3	40' Class 1 Penta Wood Pole	C	164	21.0	YES
P 81/4	40' Class 1 Penta Wood Pole	D	138	21.5	YES
P 81/5	55' Class 1 Weathering Steel Pole	E	130	24.1	YES
P 81/6	45' Class 1 Weathering Steel Pole	F	304	11.6	YES
P 81/7	40' Class 1 Weathering Steel Pole	G	163	15.4	YES
P 81/8	40' Class 1 Weathering Steel Pole	H	260	19.7	YES
P 81/9	40' Class 1 Penta Wood Pole	I	156	22.8	YES
P 81/10	40' Class 1 Penta Wood Pole	J	141	23.4	YES
P 81/11	40' Class 1 Penta Wood Pole	K	135	19.9	YES
P 81/12	40' Class 1 Penta Wood Pole	L	186	20.9	YES
P 81/13	45' Class 1 Penta Wood Pole	M	113	23.9	YES
P 81/14	45' Class 1 Penta Wood Pole	O	163	17.7	YES
P 81/15	45' Class 1 Penta Wood Pole	P	197	17.2	YES
P 81/16	45' Class 1 Penta Wood Pole	Q	192	25.6	YES
P 81/17	40' Class 1 Penta Wood Pole	R	206	19.9	YES
P 81/18	40' Class 1 Penta Wood Pole	S	176	22.0	YES
P 81/19	40' Class 1 Penta Wood Pole	T	160	20.7	YES
P 81/20	45' Class 1 Penta Wood Pole	U	170	15.4	YES
P 81/21	40' Class 1 Penta Wood Pole	V	156	17.5	YES
P 81/22	40' Class 1 Penta Wood Pole	W	213	18.5	YES
P 81/23	40' Class 1 Penta Wood Pole	X	205	17.8	YES
P 81/24	40' Class 1 Penta Wood Pole	Y	244	18.3	YES
P 81/25	40' Class 1 Penta Wood Pole	Z	204	15.0	YES
P 81/26	40' Class 1 Penta Wood Pole	AA	213	21.5	YES
P 81/27	45' Class 1 Penta Wood Pole	AB	180	16.7	YES
P 81/28	40' Class 1 Penta Wood Pole	AC	204	17.3	YES
P 81/29	45' Class 1 Penta Wood Pole	AD	141	23.6	YES
	Total Span		5184.0		
	Less DOT ROW Land Crossed		222.90		
	Total State Land Crossed for License		4961.10		

1. New Hampshire statute referenced in petition

371:17 Licenses for New Poles. – Whenever it is necessary, in order to meet the reasonable requirements of service to the public, that any public utility should construct a pipeline, cable, or conduit, or a line of poles or towers and wires and fixtures thereon, over, under or across any of the public waters of this state, or over, under or across any of the land owned by this state, it shall petition the commission for a license to construct and maintain the same. For the purposes of this section, "public waters" are defined to be all ponds of more than 10 acres, tidewater bodies, and such streams or portions thereof as the commission may prescribe. Every corporation and individual desiring to cross any public water or land for any purpose herein defined shall petition the commission for a license in the same manner prescribed for a public utility.

Source. 1921, 82:1. PL 244:8. RL 294:16. 1951, 203:48 par. 17. 1953, 52:1, eff. March 30, 1953. 2013, 82:1, eff. June 19, 2013.

2. Review of land ownership of existing pole structures

In its petition, CC states the communication cables crossings over the State's land parcels within a new utility corridor area was authorized by the New Hampshire Division of Natural and Cultural Resources (DNCR) pursuant to a Use and Occupancy License which Eversource had applied for concurrent with this petition and was obtained prior to commencement of the project that is the subject of this petition. The new utility corridor is sixteen (16) feet wide from the boundary of the State owned land property at the north boundary of the Rte. 101 Right Of Way to the MIT building (depicted on Exhibits 4 and 5) and twenty (20) feet wide from the MIT building to the summit termination point. The Exhibits also depict construction access routes which were authorized by DNCR through the Director, Division of Parks & Recreation and the Director, Division of Forests and Lands, pursuant to a Special Use Permit which Eversource received for this petition and was obtained prior to commencement of the project that is the subject of this petition. There is no private property in which the utility upgrade traversed unlike the original pole line.

All communication equipment will be removed by Consolidated Communications and existing communication cables that are on the ground will be abandoned and removed.

3. Review of NESC code requirements as described in Puc 300

N.H. Code of Administrative Rules Puc 306 requires:

- (a) each utility shall construct, install, operate and maintain its plant, structures and equipment and lines, as follows:
 - (1) In accordance with good utility practice;

- (2) After weighing all factors, including potential delay, cost and safety issues, in such a manner to best accommodate the public; and
- (3) To prevent interference with other underground and above ground facilities, including facilities furnishing communications, gas, water, sewer or steam service.
- (b) For purposes of this section, “good utility practice” means in accordance with the standards established by:
 - (1) The National Electrical Safety Code C2-2012....

CC states that the proposed crossings have been designed and will be constructed, maintained and operated in accordance with 2012 National Electrical Safety Code C2-2012.

Safety Division Staff reviewed the specifications related to the design and construction of this crossing project as provided in the petition, the attachments, and all supplemental support documents, and found them to be in conformance with the applicable sections of NESC code C2-2012 and Puc 300.

4. Review of public need and public impact

In order to meet the reasonable requirements of electric service to the public, CC proposes to rebuild and maintain communication cables in Miller State Park, in Peterborough and Temple, New Hampshire.

CC asserts in the petition that the proposed license for this crossing may be exercised without substantially affecting the rights of the public in the public lands of the Miller State Park. Minimum safe line clearances above the land surface will be maintained at all times. The use and enjoyment of the state owned land by the public will not be diminished in any material respect as a result of the overhead line crossings.

Safety Division Staff concludes the impact to the public will not be significant due to the projects construction requirements. The proposed crossings do not appear to affect the rights of the public in the public land of the Miller State Park because minimum safe line clearances above the land surface will be maintained at all times allowing for safe hiking activities in the park.

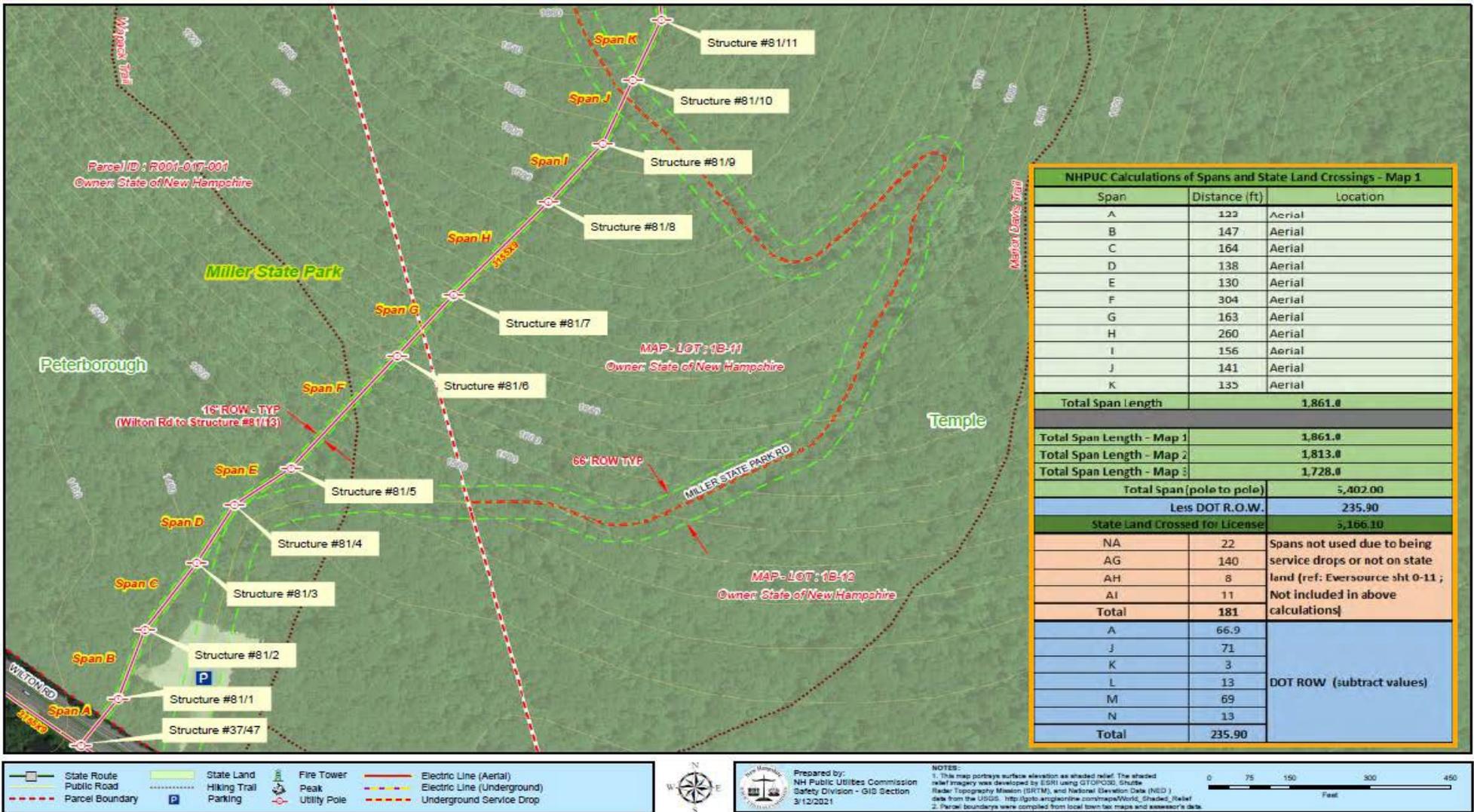
Staff Recommendation:

Based on the results of its review of the petition, its attachments, and all other supporting documents filed to this docket, the Safety Division Staff recommends that the Commission:

1. Find that the license CC requests in this docket may be exercised without substantially affecting the public rights in the public lands which are the subject of the petition;
2. Grant CC a license to construct, operate and maintain communication cables, over and across the public lands of Miller State Park, in Peterborough and Temple, New Hampshire, as specified in the petition; and
3. Issue an Order Nisi and orders for its publication.

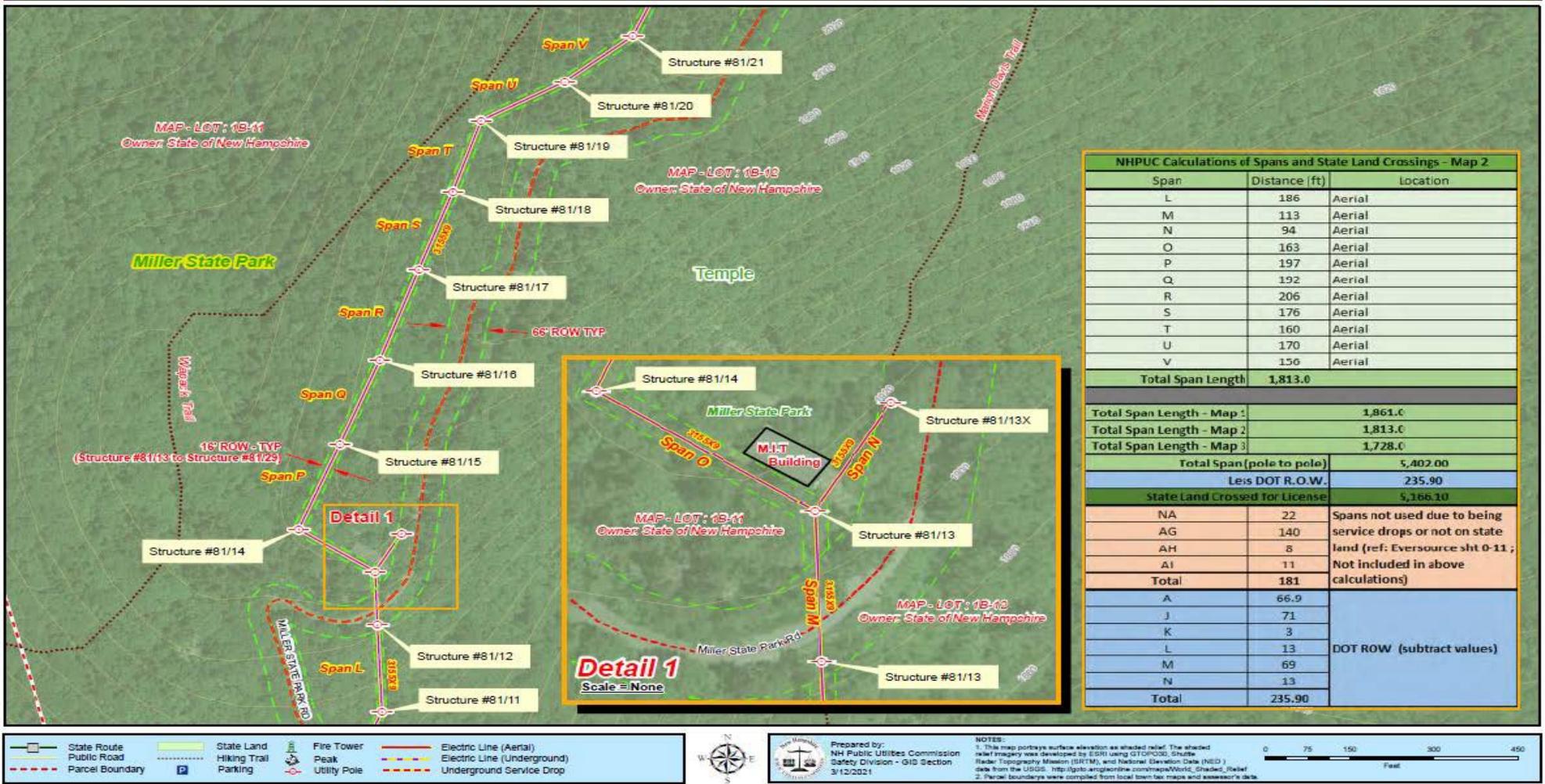
Staff Attachments

State Land (Miller State Park) DE 20-115 EVERSOURCE Crossing - Map 1



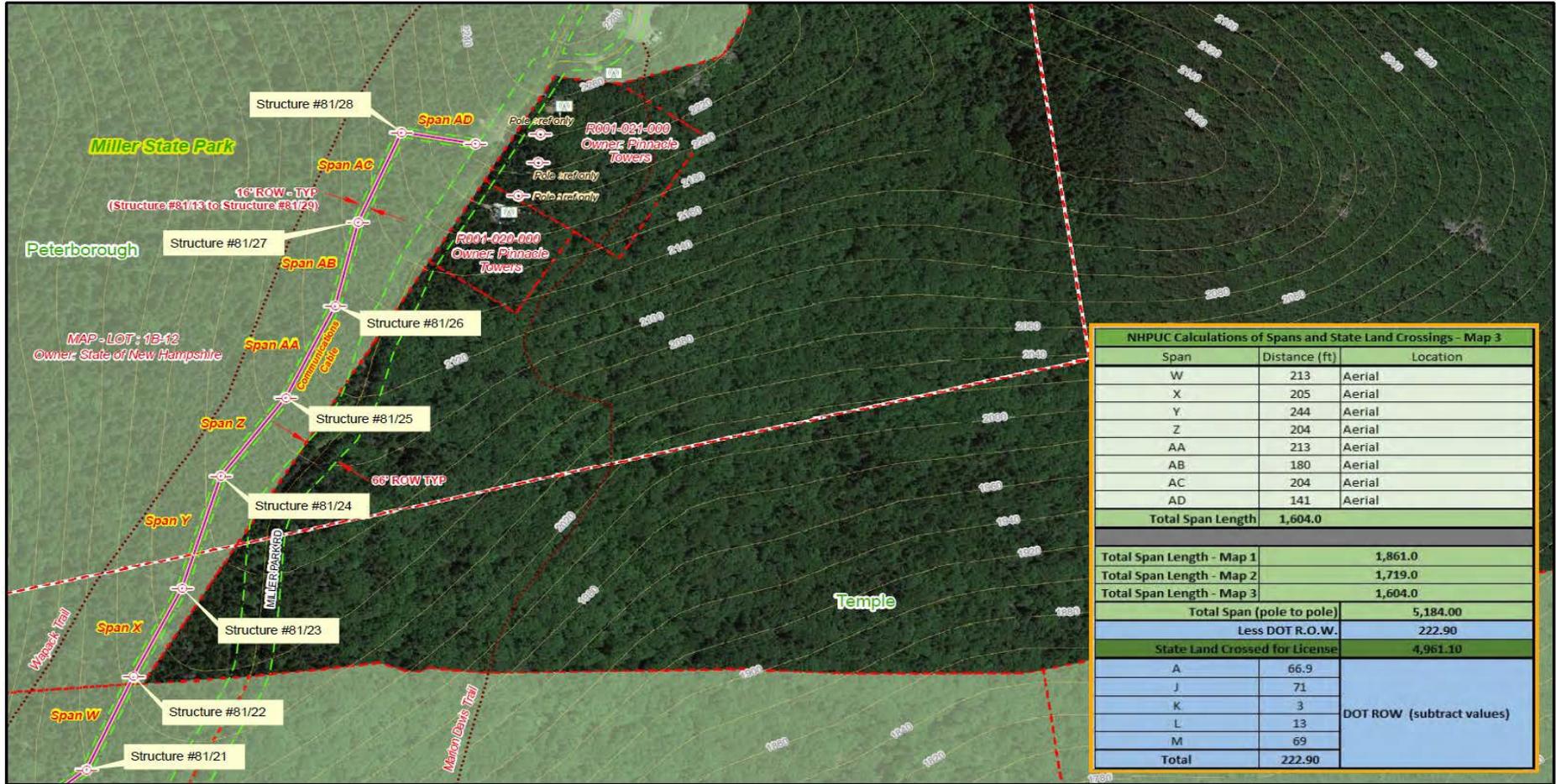
Map 1: Consolidated Communications cable, is a span of approximately 1.861 feet between Pole 37/47 and Pole 81/11, from a total of 5,184.00 feet across state owned land in the Towns of Peterborough and Temple, New Hampshire known as Miller State Park.

State Land (Miller State Park) DE 20-115 EVERSOURCE Crossing - Map 2



Map 2: Consolidated Communications cable, is a span of approximately 1,719.0 feet between Pole 81/12 and Pole 81/21, from a total of 5,184.00 feet across state owned land in the Towns of Peterborough and Temple, New Hampshire known as Miller State Park.

State Land (Miller State Park) DT 21-105 CONSOLIDATED Crossing - Map 3



— State Route — State Land — Fire Tower — Communications Cable
— Public Road — Hiking Trail — Peak — Utility Pole
- - - Parcel Boundary ■ Parking

Prepared by:
 NH Public Utilities Commission
 Safety Division - GIS Section
 6/08/2021

NOTES:
 1. This map portrays surface elevation as shaded relief. The shaded relief imagery was developed by ESRI using GTOPO30, Shuttle Radar Topography Mission (SRTM), and National Elevation Data (NED) data from the USGS. http://globe.arcgis.com/maps/World_Shaded_Relief
 2. Parcel boundaries were compiled from local town tax maps and assessor's data.

Map 3: Consolidated Communications cable, is a span of approximately 1,604.0 feet between Pole 81/21 and Pole 81/29, from a total of 5,184.00 feet across state owned land in the Towns of Peterborough and Temple, New Hampshire known as Miller State Park.

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