

# Spencer to Webster Transmission Project (T20 Line ACR)

Open House

nationalgrid



# Project Overview

## Spencer to Webster Transmission Project



### Need

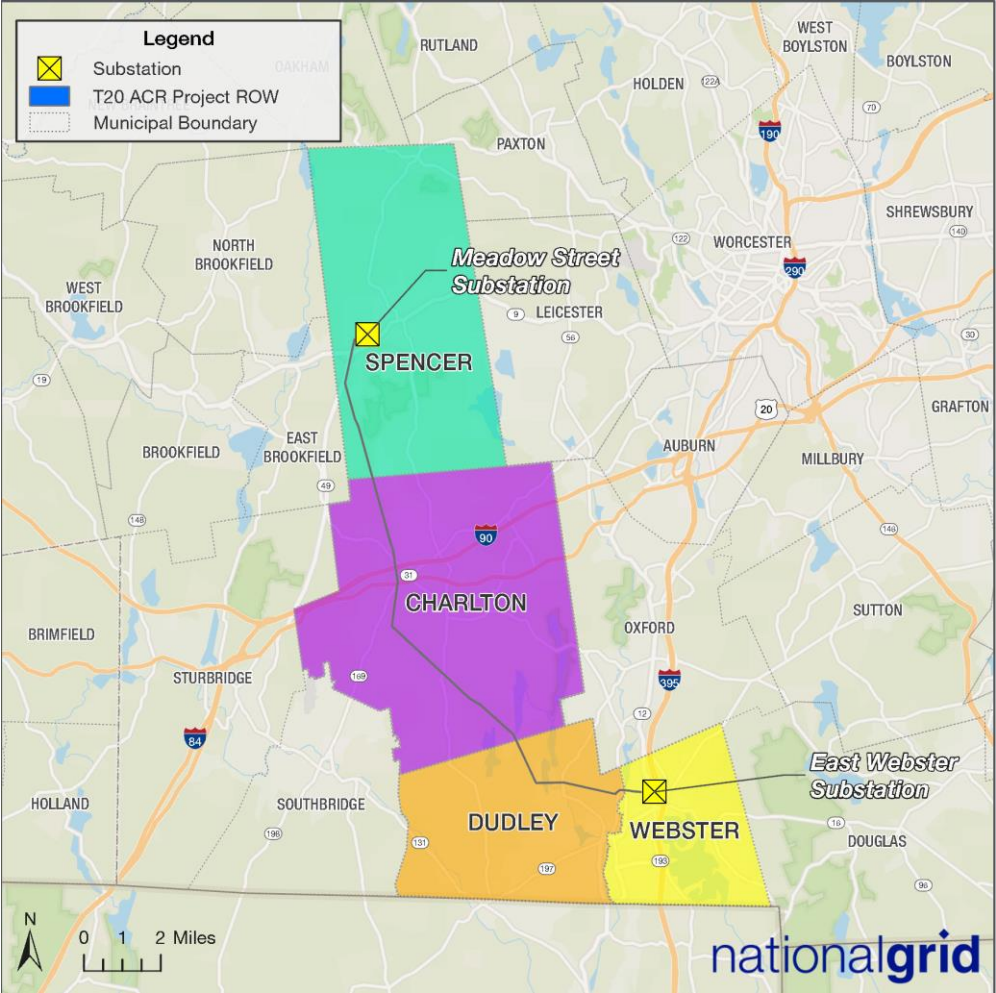
This project is being proposed to address the condition of the deteriorating 69kV T20 transmission lines and the need to update and maintain system reliability. The project will address ongoing woodpecker damage throughout the entirety of the structures of the transmission line.

### Scope

This project includes:

- Replacement of 216 existing wood structures with new, taller, steel structures; Net reduction of 34 structures
- Rebuilding of the existing 69kV line to 115kV standards
- Addressing woodpecker damage, pole deterioration, damaged cross-arms
- Installation of optical ground wire
- Reconfiguration of the current line to be rebuilt in the center of the existing right-of-way

# Area Overview: Spencer to Webster Transmission Project





# Project in Spencer

**Total Distance:** 4.2 miles

**Number of Structures:**

Existing: 58

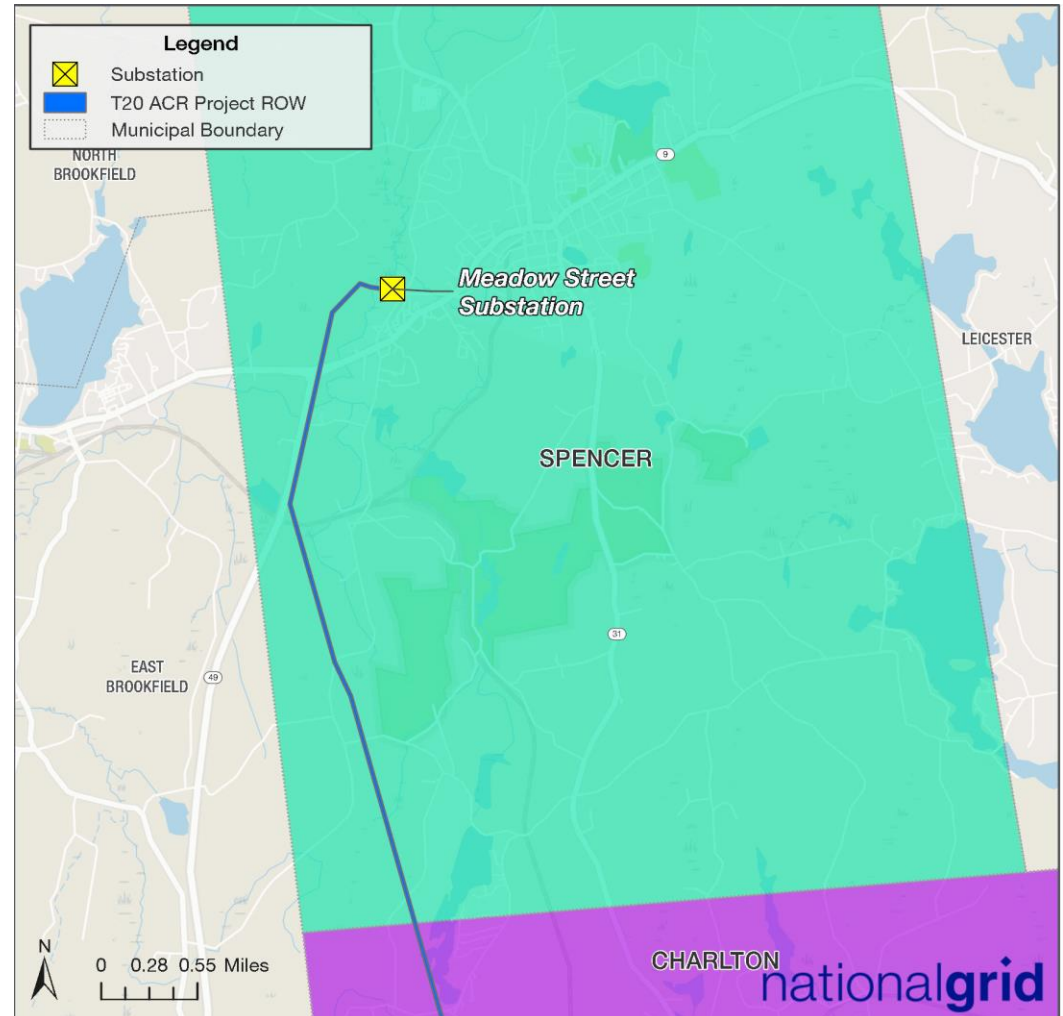
Replaced: 51

Net reduction: 7

**Structure Heights:**

Existing Average: 50 ft

Proposed Average: 73 ft



# Project in Charlton

**Total Distance:** 8.4 miles

**Number of Structures:**

Existing: 122

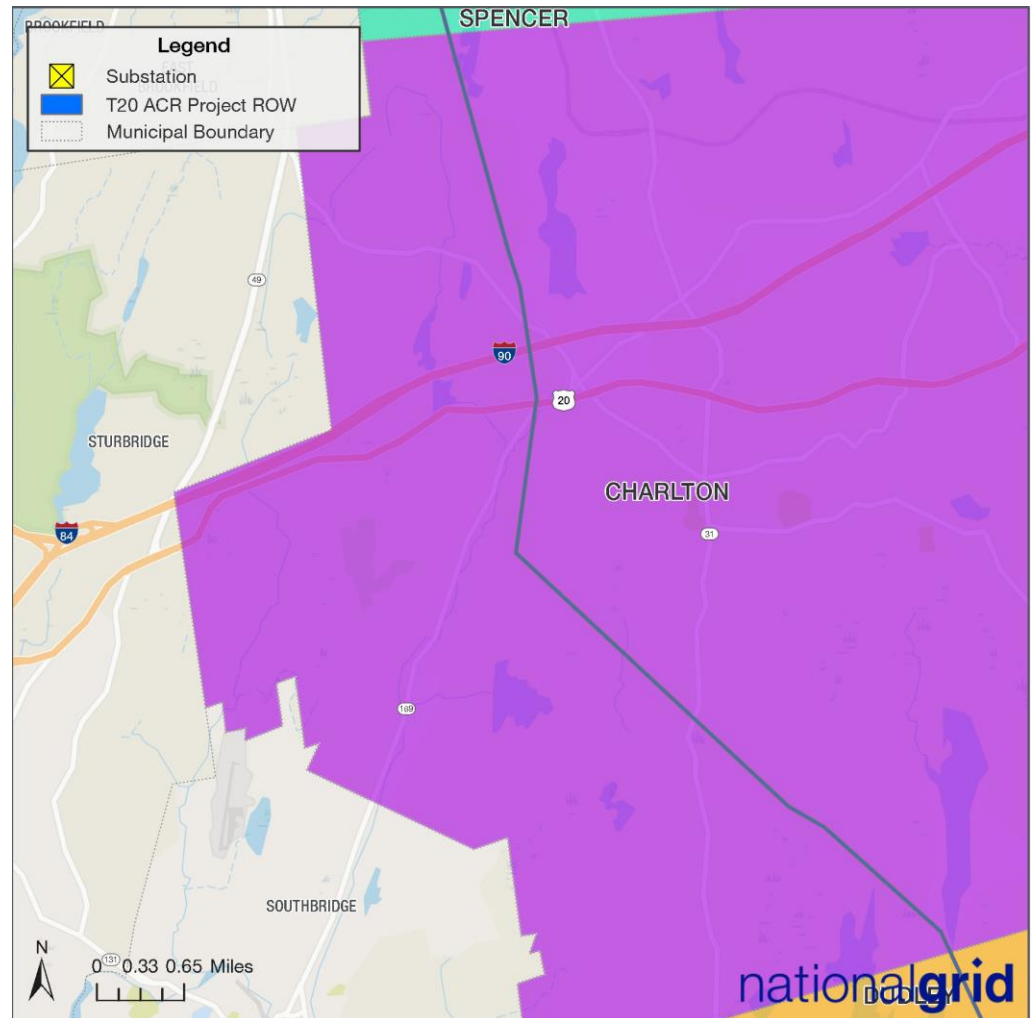
Replaced: 110

Net reduction: 12

**Structure Heights:**

Existing Average: 53 ft

Proposed Average: 76 ft



# Project in Dudley

**Total Distance:** 3.6 miles

**Number of Structures:**

Existing: 53

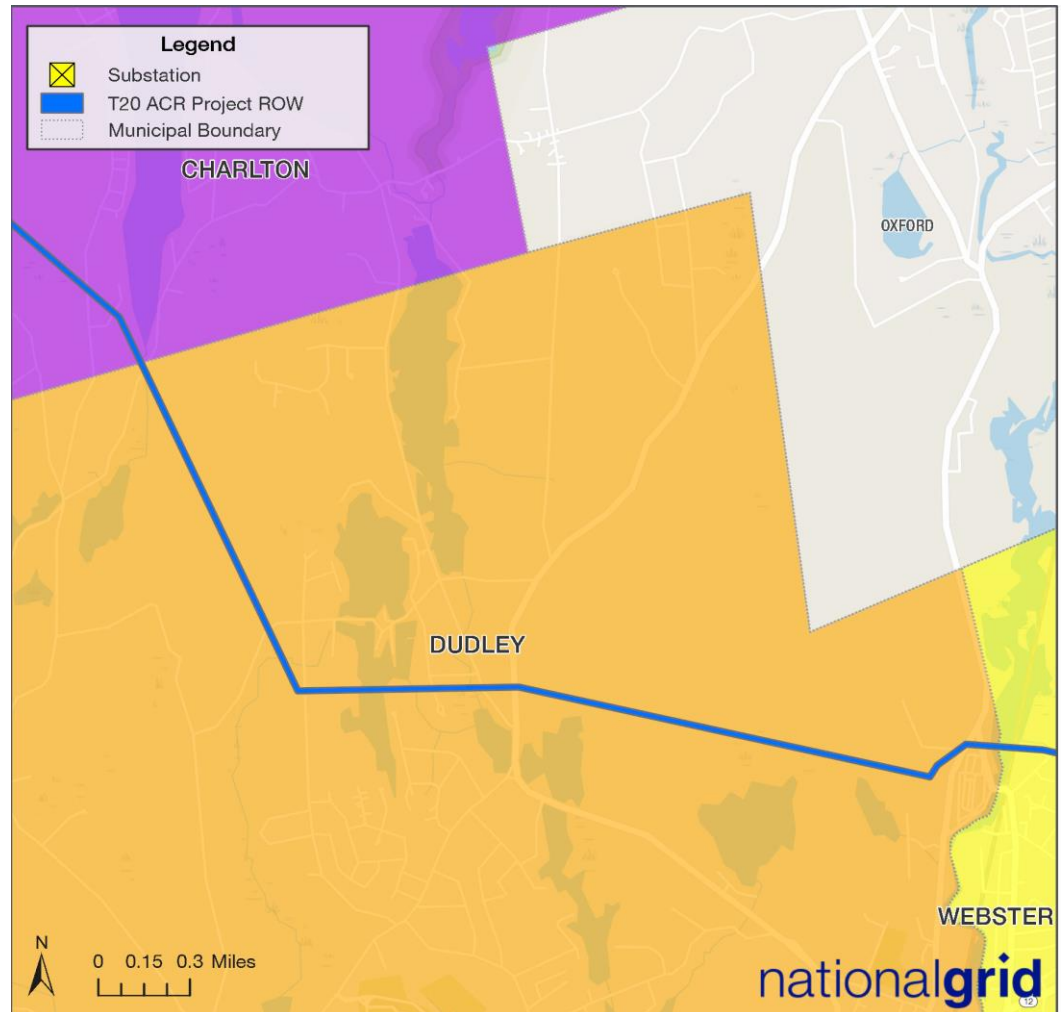
Replaced: 44

Net reduction: 9

**Structure Heights:**

Existing Average: 54 ft

Proposed Average: 78 ft



# Project in Webster

**Total Distance:** .8 miles

**Number of Structures:**

Existing: 17

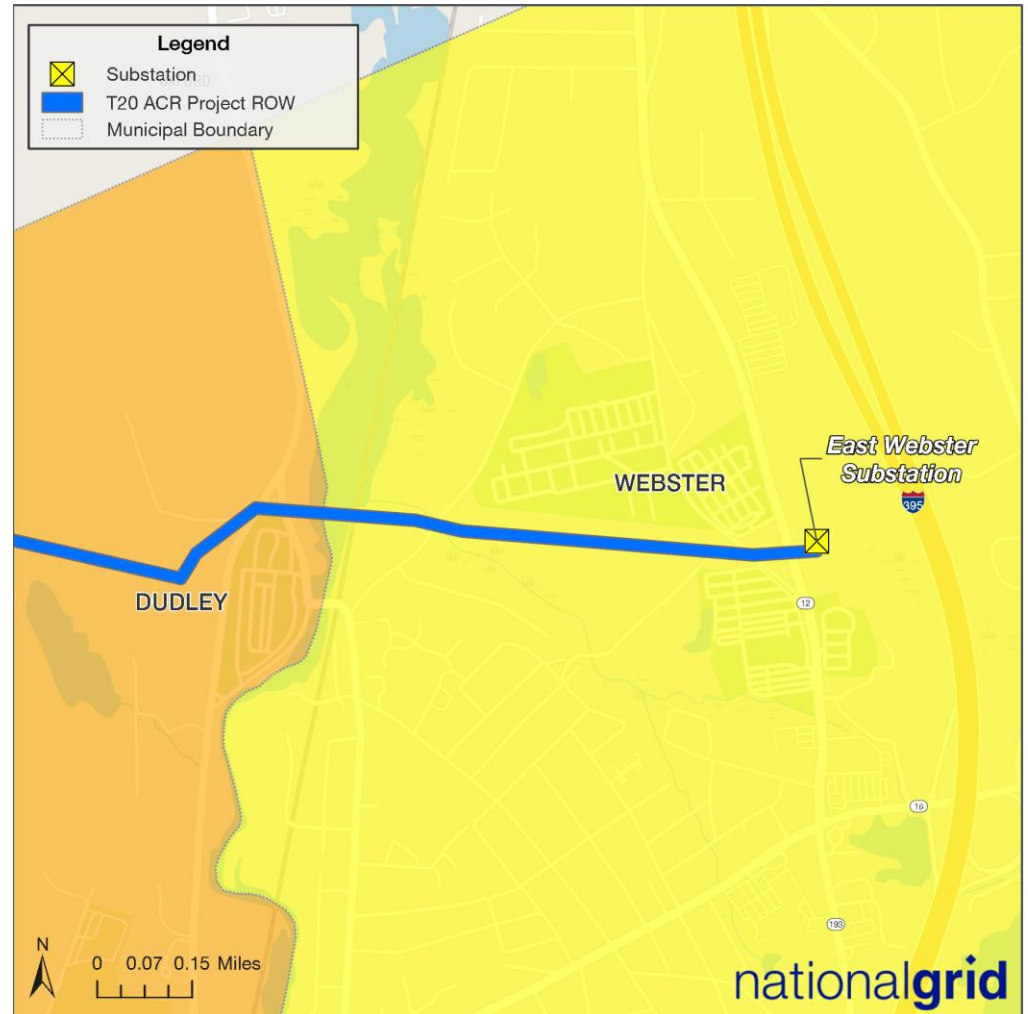
Replaced: 11

Net reduction: 6

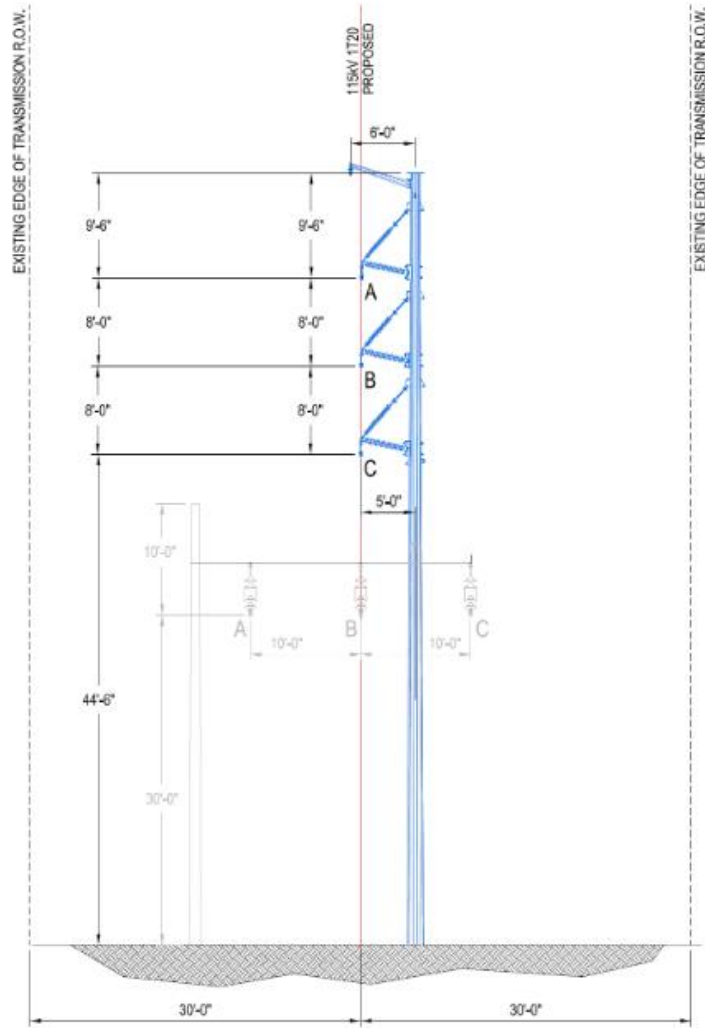
**Structure Heights:**

Existing Average: 50 ft

Proposed Average: 80 ft



# Structure Comparison





# Permitting Process



## Energy Facilities Siting Board (EFSB):

- Ensures that projects will provide a reliable energy supply, with a minimum impact on the environment, at the lowest possible cost.
- Reviews need, alternatives, environmental impacts, costs
- Opportunity for municipal and abutter participation



## Environmental Permitting Expected:

- DEP – 401 Water Quality Certificate
- Department of Environmental Protection (DEP) - Chapter 91 Waterways
- DEP - Wetlands Protection Act - Order of Conditions
- U.S. Army Corps of Engineers – Section 404 General Permit



## Local Permitting:

- Municipal Conservation Commissions - Wetlands Protection Act Order of Conditions
- Municipal and State Non-Environmental Permitting as required (e.g. DOT, Planning Board, Stormwater etc.)
- Railroad Permitting

# Project Schedule

*\*Dates subject to change*



## **Stakeholder Outreach:** Summer 2023 - Ongoing

Mailed Notifications, Project Website, Local Meetings, and more



## **Field Assessments:** Summer 2023 - Ongoing

Construction Reviews, Environmental Field Work, Land Survey, Access Reviews, Cultural Resource Testing, Soil Borings



## **Vegetation Management:**

Completed Prior to Soil Borings: Ongoing- anticipated completion Summer 2025  
Prior to Construction: Fall 2028



## **Permitting:** 2024 to 2028

Includes federal, state and local reviews



## **Construction and Restoration:**

Access Roads/Mowing/Matting: April 2029– July 2029  
Line Construction: July 2029 – October 2031  
Restoration/Pole Removal: October 2031 – March 2032

# Thank You

For more information on the Spencer to Webster Transmission Project (T20 Line ACR), please visit or reach our Project Engagement team at:

Dedicated Project Hotline: (800) 454-9601 ext. 1

Email: [info@t20project.com](mailto:info@t20project.com)

Website: [centralmasstransmissionimprovementprojects.com](http://centralmasstransmissionimprovementprojects.com)

