



BUZZARDS BAY UNIQUE WIND TURBINE FOUNDATION - BUZZARDS BAY, MA

PROJECT INFO:

OWNER:

Air Force Center for Engineering and the Environment

ENGINEER:

STV INC. / CH2M HILL

PROJECT VALUE:

\$1.1 Million

TECHNOLOGIES/MATERIALS:

Uniquely designed foundation for a 1.5 MW Wind Turbine

PROJECT HIGHLIGHTS:

Prepped roadway and project site for oversize and overweight deliveries despite significant infrastructure obstacles.



ADDITIONAL DETAILS

The project involved the design of a “first-of-a-kind” wind turbine foundation within New England. Upon design review and approval from the Air Force Center for Engineering and the Environment, the foundation was completed including a 560 cubic yard concrete pour in one shift. The project site was engineered and prepared for crane assembly and tower erection. A closely coordinated effort was required with the military base due to wildlife constraints placed on the surrounding area. The assembly, delivery, hoisting and erection process involved a team oriented effort that required 26 tractor trailer deliveries for the crane alone and had to accommodate a 70 ton hoist for the wind turbine nacelle.