



MEPCO LINES 392, 396 & 3001 STRUCTURE REPLACEMENT

CLIENT: Confidential

LOCATION: Bangor, Maine

CONTRACT VALUE: Less than \$1M

START DATE: January 2019

COMPLETION DATE: September 2019

PROJECT DETAILS

The MEPCO Project was the design of replacement structure for three 345 kV transmission lines owned by the clients. The lines stretch 127 miles and include over 1000 structures. The existing wood pole structures were built in the 1970's. Many structures each year are being replaced. The goal of this project was to development of replacement structures that can support the existing 850.8 kcmil ACSR conductor and a future reconductor with 1590 kcmil ACSR.

The replacement structures were designed with a mix of pole materials. Tangent structures used wood poles, running angles used LD steel poles and dead end structures used fabricated steel poles on foundations.

SCOPE OF SERVICES

- Design 127 miles of 345 kV structure replacements to support a future reconductor.
- Subcontract the geotechnical exploration needed to design structure foundations
- Developed complete construction package that included, construction specification, material list and plan and profile drawings.

SUCCESSSES

- Subcontracted the Geotechnical exploration to two contractors to assist the clients in meeting the construction schedule
- Developed a single detailed project criteria document that was able to meet both clients needs with one document
- Efficiency gains realized through implementation of effective communications protocol resulting in better alignment between design deliverables and client needs