



E-J ELECTRIC ENHANCES RELIABILITY OF THE MILFORD 115KV TRANSMISSION LINE

PROJECT CREATES SEPARATION BETWEEN TRANSMISSION AND RAILROAD INFRASTRUCTURES

E-J Electric is proud to rebuild two 115kV circuits for the Milford Transmission Line. The new circuits are run on independent steel monopole lines—running parallel on both the north and south side of the rail—between the Milvon Substation to the Devon Substation. The team removed existing United Illuminating Company (UI) conductors, shield wire and bonnets to install 43 new steel monopoles on drilled pier foundations, larger conductors and OPGW. The upgrade project is necessitated by the need to increase the thermal capacity and support structure of the two lines, which are outdated and inadequate for the higher capacity conductors needed; a conclusion made by the Southwest Connecticut Needs Assessment Report. In addition to the upgrades, the UI transmission infrastructure and the railroad infrastructure will now be separated. This alleviates the need for UI to coordinate its outages with the railroad corridor and vice versa, as well as it makes maintenance for the two transmission systems easier.

DELIVERING THE PROJECT ON SCHEDULE AND WITHIN BUDGET WHILE CROSSING INTERSTATE I-95

E-J was selected by Black & Veatch to perform the construction responsibilities on this significant project due to the team's clear understanding of the project needs along with their ability to complete the project safely, within budget and within the scheduled time frame. The team faced challenges which included the coordination of line outages with Metro North Railroad (MNR) and UI, stringing over a mile of continuous conductor that crossed Interstate I-95 and abiding by the time frame permitted by CDOT to install the new pole line. E-J's ability to work in conjunction with MNR, coordinate work efforts around the ever-changing outage requirements and balance manpower and equipment demands enabled the team to overcome all challenges and ensure project completion by the delivery date.



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