



Jug Street - Corridor Line Rebuild



AEP Ohio chose **BOLD** for the project because of the aesthetic and environmentally friendly benefits, and the superior electrical characteristics the design provides. The towers will be shorter than alternative traditional structures would be, helping them to blend with the landscape. Two circuits will replace the original single circuit without additional rights-of-way required.

Jug Street – Corridor Project

Benefits of **BOLD**



Increase capacity/loadability of the existing 345-kV circuit by more than 17% (probably more considering this is a vintage line)



Mitigate magnetic field effects



Increase utilization of land



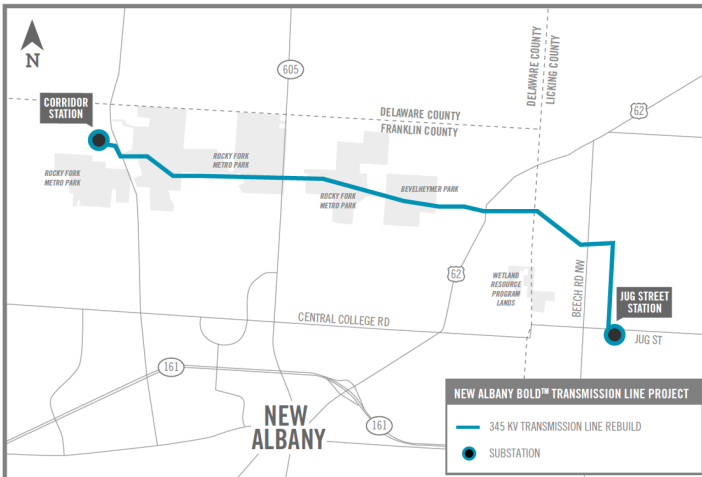
Provide an additional 138-kV circuit without acquiring new rights-of-way



The Challenge:

In 2016 AEP Ohio recognized that there was an abundance of connected load (both customer and distribution) at the Jug Street Substation that might eventually cause a criteria violation. If AEPOT were to lose a transformer and 138-kV line it would interrupt everything served out of New Albany, Ohio. AEPOT decided to be proactive and stay ahead of such a scenario.

Major tech campuses such as Facebook and Amazon have been moving to the area creating significant load demands and this growth is expected to continue into the foreseeable future placing added stresses on the grid.



Project Snapshot:

Construction Start: Spring 2018

Energized: Winter 2019

Miles: 6.5

Voltage: 345-kV Double Circuit
(though one circuit will operate at 138kV)

Structures: 36

Route: Residential urban

BOLD is the Breakthrough Overhead Line Design that combines a lower height, aesthetic structure with a compact line design to deliver a number of performance benefits. Learn more at boldtransmission.com.

**BOLD**®