

Transmission Services

K&A offers extensive transmission line engineering support, including PLS-CADD design, structure design, construction drawing preparation and review, and construction support. Projects include 69kv – 765kv new lines, rebuilds, reconductoring, NERC/FERC remediation, and the addition of OPGW, amongst others.

Analysis Tools

- PLS-CADD
- PLS-Pole
- PLS-Tower
- GIS
- SAPS
- AutoCAD
- MPFAD
- MicroStation

Capabilities:

- Addition of Fiber Optic to Overhead Transmission Line
- PLS-CADD, PLS-Pole & Tower Modeling
- Design of Wood and Steel Poles, H-frames, A-frames, and 3-Pole dead-end structures
- Sag Studies, Analysis, and Design
- Damper Analysis and Design and Galloping Analysis
- Structural Analysis
- Design Guides & Standard Specification Preparation
- RFP Preparation
- Permitting Support

20+ Years

average industry experience

End-to-End

pole inventory workflow

GIS Integrated

Cartograph-compatible deliverables

QA/QC Team:

- Verify each survey against: EGIS ID, Pole Number/Stencil, Location, Class & Height, Material, Treatment & Foundation Type, Owner, Usage Type, and Third-Party/Utility Attachments.
- Cross-check with utility maps, old records, and photos. Approve if accurate; flag & return discrepancies to the field team for re-survey.

Resolution of Failed Surveys:

- Revisit a specific pole.
- Conduct a new survey, ensuring accurate information.
- Submit the revised survey through the app.
- Repeat the process until the survey passes QA/QC verification.

Overall Workflow:

- Workflow ensures a systematic approach to surveying utility poles, from field data collection to QAQC verification.
- Communication channels are established between the field and QA/QC teams to promptly address discrepancies.
- Iterative process of resurveying ensures data accuracy and integrity and leads to a superior-quality inventory of utility poles.

