MT47

322 poles fielded, loaded, and permitted in two weeks — a deadline rescue in Montgomery, Alabama, rebuilt from scratch and 100% approved.

A contractor's customer in Montgomery, Alabama hit the pole-permit due date only to discover that pole loading was required for every pole — and hadn't been done. J2 TeleDesigns was called in to rescue it. Across a hybrid route — 54,624 ft of aerial plant carrying 322 poles, plus 36,859 ft of underground — J2 fielded every pole, ran full NESC pole-loading calculations, identified make-ready on 38 poles, generated points of attachment, and drafted and submitted the permit packages. A six-person J2 team delivered the entire scope in two weeks, and all 322 poles were approved.

LOCATION	CLIENT	SCOPE	TIMELINE
Montgomery, AL (Montgomery County)	**Confidential (via contractor)**	**Pole Loading · Make-Ready · Permitting**	**Early May 2026 · ~2 weeks**

OVERVIEW

J2 was engaged on short notice when a customer discovered — at the permit due date — that pole loading was required for all pole permitting on their Montgomery build and had not been completed. Working the aerial route of 322 poles (54,624 ft aerial) alongside 36,859 ft of underground plant, J2 fielded every pole, ran NESC pole-loading analysis, flagged the 38 poles needing make-ready, generated points of attachment, and produced and submitted the permit packages. The pole owner's material list and scope were not available at the outset, so J2 rebuilt the pole-loading basis from scratch. A six-person team — four fielders and two on office support — delivered the full scope in two weeks, and every one of the 322 poles was approved.

BY THE NUMBERS

322 POLES LOADED & PERMITTED	**100%** POLES APPROVED	**38** POLES NEEDING MAKE-READY	**~2wk** FIELD TO SUBMITTAL
54,624ft AERIAL PLANT	**36,859ft** UNDERGROUND PLANT	**~17.3mi** TOTAL ROUTE LENGTH	**6** PERSON TEAM (4 FIELD · 2 SUPPORT)

J2 TELEDESIGNS

CASE STUDY
MT47

THE CHALLENGE

- **Deadline already at the door.** The customer's contractor didn't realize pole loading was required for the pole permits until the due date — J2 was brought in to save a project that was effectively out of time.
- **Starting from scratch.** The pole owner's material list and scope weren't available at the outset, so J2 had to rebuild the pole-loading basis from the ground up rather than work from existing data.
- **322 poles, full loading analysis.** Every pole required NESC pole-loading analysis, make-ready assessment, and a permit-ready package.
- **Hybrid route.** 54,624 ft of aerial plant carrying the 322 poles, plus 36,859 ft of underground — roughly 17.3 route miles to field and document.
- **Two-week window.** Field, calculate, draft, submit — all inside two weeks.

OUR APPROACH

- **Surged a six-person team.** Four fielders on the ground and two on office support, working in parallel to compress the timeline.
- **Rebuilt the loading basis from scratch.** With no material list or scope from the pole owner, J2 established the pole-loading basis itself and drove the analysis forward.
- **Full NESC pole loading in Katapult Pro.** All 322 poles fielded and analyzed, with make-ready identified on 38.
- **POAs, permits, and drafting.** J2 generated points of attachment, drafted the permit packages in AutoCAD, and submitted for approval.
- **Tracked pole by pole.** Every pole ran through the J2 Tracker, keeping status and hand-offs visible across the two-week sprint.

THE RESULT

J2 fielded, loaded, and permitted all 322 poles — with 38 make-ready poles identified — and got 100% of them approved, submitted inside two weeks despite starting with no material list or scope from the pole owner. J2 saved the project for the customer on a deadline that had already arrived.

DELIVERED WITH

Katapult Pro | NESC Pole Loading | AutoCAD | J2 Tracker

WHY IT MATTERS

MT47 is the project you hand J2 when the deadline is already here and the information isn't. Fielded, loaded, permitted, and 100% approved — 322 poles in two weeks, rebuilt from scratch. Better information, from the field forward.