

DECA As-Built

89 route miles of grant-funded fiber fielded and drafted as-built — hybrid plant across 1,082 poles in east-central Alabama — led end to end by J2 and delivered on time.

J2 TeleDesigns led the as-built engineering for an 89-mile fiber build funded under Alabama's Capital Projects Fund broadband grant program (administered by ADECA), spanning Barbour and Russell Counties. J2 fielded the constructed plant, produced the complete as-built drawing set in AutoCAD from a purpose-built Katapult Pro as-built workflow, and ran project coordination and meetings across every party — spearheading the engagement from front to finish.

LOCATION	PROGRAM	SCOPE	TIMELINE
Barbour & Russell Counties, AL	Capital Projects Fund (ADECA)	Field Capture · As-Built Drafting · Coordination	~1 month · On time

OVERVIEW

Engaged to deliver the as-built record for a Capital Projects Fund grant fiber build in east-central Alabama, J2 took the lead across the full workflow. The route ran 89 miles of hybrid plant — 349,365 ft aerial with the balance underground — across 1,082 poles. With the state's documentation requirements unclear to the team at the outset, J2 worked from incomplete information, established a clear standard, aligned every stakeholder, and closed the entire as-built in roughly one month. A two-person field crew captured the built plant; all drafting was produced in AutoCAD; the full submittal cleared with only two revisions.

BY THE NUMBERS

89_{mi} AS-BUILT ROUTE LENGTH	349,365_{ft} AERIAL FIELDIED	74% AERIAL PLANT (26% UG)	1,082 POLES SURVEYED
~1_{mo} KICKOFF TO COMPLETE	2 PERSON FIELD CREW	2 REVISIONS (FULL SUBMITTAL)	PHASE 2 SELECTED TO CONTINUE

THE CHALLENGE

- **Undefined state requirements.** The grant's documentation requirements weren't clearly defined to the team at the outset, so J2 had to work from incomplete information and correct course throughout.
- **J2 in the lead.** J2 spearheaded the entire engagement — fielding, drafting, and running every meeting — rather than working under another firm's direction.
- **Hybrid plant at scale.** 89 route miles and 1,082 poles of mixed aerial and underground plant to field and draft as-built.
- **Grant documentation standards.** Capital Projects Fund as-builts must be accurate and defensible for program compliance.
- **Fixed schedule.** A firm one-month deadline the team had to hit.

THE RESULT

J2 delivered the complete DECA as-built — 89 route miles of hybrid plant (349,365 ft aerial plus the underground balance) across 1,082 poles — on time, with only two revisions across the entire submittal. J2 led fielding, drafting, and coordination from the front, and on the strength of that delivery was selected to continue with Phase 2 of the program.

DELIVERED WITH

Katapult Pro

Custom As-Built Map Style

AutoCAD

J2 Tracker

WHY IT MATTERS

DECA is J2 running a state-grant fiber as-built from the front — fielding, drafting, and leading every party to an on-time finish, even when the requirements weren't clear at the start. Better information, from the field forward.

OUR APPROACH

- **Owned the full scope.** J2 fielded the constructed plant, produced the complete as-built drawing set, and ran project management and stakeholder meetings end to end.
- **Set the standard when the customer couldn't.** J2 got every party aligned, resolved the requirement confusion, and established a clear documentation approach so the work could move.
- **Custom Katapult Pro as-built workflow.** A purpose-built J2 as-built map style in Katapult Pro captured the built plant cleanly and fed drafting.
- **AutoCAD as-built drafting.** The complete drawing set was produced in AutoCAD.
- **Tracked, phase-gated workflow.** The J2 Tracker kept every phase — field, draft, review, submittal — visible and in sequence.