

Accelerating Fielding for BTS in Colorado

Case Study

Project Overview



Benton Technical Services (BTS) is a turnkey construction, installation, and engineering firm based out of Tampa, FL, delivering infrastructure solutions across the United States.

For their broadband deployment in Colorado, BTS engaged NetPMD Design & Integration to prepare traffic control plans (TCP) and Plan/Profile drawings required by the Colorado Department of Transportation as part of the permitting process.

While turnaround time was not initially a stated priority, the efficiencies introduced by NetPMD's Fielding Solution significantly accelerated delivery, helping BTS gain a competitive edge.



Location: Colorado, USA

Client: Benton Technical Services

Project Year: 2025

The Challenge

Broadband network fielding is a time-intensive process, often requiring extended coordination and detailed documentation before permitting can proceed.

For its Colorado deployment, BTS required accurate TCP and Plan/Profile drawings.

Projects of similar scope handled by competing firms typically took up to 6 months to move from initial field survey to permit-ready documentation—slowing down delivery and diminishing competitiveness.



The Solution:

NetPMD's Fielding Solution



NetPMD implemented a digital workflow using a custom mobile solution that centralized field data capture and enabled real-time collaboration between BTS's field team and NetPMD's design team.

NetPMD's approach combined:

- Streamlined digital workflows
- Real-time coordination
- Responsive communication for fast revisions



Workflow Overview

BTS shared site details, which NetPMD digitized using satellite imagery and GIS tools.

A centralized cloud system provided mobile access for BTS to annotate maps and add field data on-site.

Updates were received in real time, enabling swift refinements and delivery of permit-ready drawings.



“We have been working with NetPMD Design & Integration on the provision of TCP and Plan/Profile drawings for the Colorado Department of Transportation.

***Since partnering with NetPMD, BTS has been able to deliver permittable drawings ahead of schedule**—significantly accelerating timelines and improving efficiency across our projects.*

*NetPMD’s level of communication has **made getting revisions to products easy**, which has been a major advantage for our team.”*

— Nicholas Fuhs, Project Manager, BTS

The Impact

- Real-time communication via GIS mobile app reduced back-and-forth and accelerated revisions.
- Consistent and responsive communication from NetPMD helped eliminate delays, enhance collaboration, and accelerate delivery timelines.
- **Turnaround time cut by 75% — from 6 months to just 45 days.**
- BTS delivered permit drawings faster than competitors, and this rapid turnaround opened the door to new business opportunities.



Why it Worked

- **Responsiveness:** NetPMD's team remained accessible and fast to act.
- **Live Collaboration:** Continuous updates enabled real-time drawing corrections.
- **Client-Centric Delivery:** Flexible collaboration between BTS and NetPMD ensured accuracy and speed—even as needs evolved.



The Results



NetPMD's Fielding Solution didn't just streamline BTS's workflow—it elevated their competitive edge.

By delivering permit-ready drawings faster and more reliably, **BTS earned more work and positioned itself ahead of competing vendors.**



“Benton Technical Services (BTS) has achieved significant success working with NetPMD Design & Integration.

*In one of our current markets, **BTS has been able to expedite deliverable dates much quicker than the competition** & been able to procure more work because of NetPMD’s Fielding Solution and processes.”*

— Nicholas Fuhs, Project Manager, BTS