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Customer: **Operating Unit of a multi-billion dollar S&P 500 Company**

This customer is a global market leader specializing in underground infrastructure construction and pipeline services to owners and developers of energy, power, gas, and telecommunications facilities throughout North America.

Project Location: Ohio, Pennsylvania, and New Jersey

Customer's Challenge

To setup, plan and execute a 450 mile low latency fiber optic installation project. This project was a fast-track EPC (engineer, procure, construct) project requiring multiple permits from multiple authorities across high population density areas, high vehicular traffic zones, and rocky terrain with limited access.

Customer Solution

The Customer engaged **Michael F. Allen & Associates (MFA&A)** to assist with the project setup, baseline planning and creation of a project execution plan for a \$55 million dollar fiber optic installation across three states in the Northeast United States. Project Control tools were generated and setup to monitor and control costs; forecast and report physical progress; track production and perform schedule maintenance. MFA&A mentored and advised the project team in the use and maintenance of these control tools as well as developed and presented a final construction execution plan that identified and optimized the necessary crews and equipment needed to take the project to the field. Project Control Tools developed included:

- Milestone and Resource-loaded Schedule
- Construction Execution Plan
- Key Performance Indicator graphs
- Action Item tracking log
- Permit Status tracking log
- Daily and Weekly checklists
- Change Order and Force Majeure documentation on significant project delays

Customer Value Created

MFA&A produced a viable construction execution plan that identified a \$3.5 million dollar gap in manpower and equipment early enough in the project planning process to allow adequate time to develop mitigation plans, re-allocate contingency funds, and identify key cost drivers to accurately monitor performance and make adjustments prior to taking the job to the field. MFA&A also identified and created a change order documentation package to leverage Owner-caused delays to the benefit of the project to improve project margin as well as mitigate the potential impact of contractual liquidated damages.