

## Cambridge Gantries

*Client Name: J Murphy*

*Project Value: £303,445.00*

*Scope of Work: Installation of Three Cantilever Signal Gantries and Screw Pile Foundations within possessions.*

### Challenges

- **Tight Deadlines:** Limited time for designing gantries and foundations, with last-minute changes converting two gantries from Accessible to Non-Accessible.
- **Logistics & Coordination:** Complex planning was required for fabrication, lifting, and assembly amid overlapping contractors and access restrictions.
- **On-Site Delays:** Equipment breakdowns, incomplete enabling works, and an obstructing OLE cable disrupted installation progress.



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### Solutions

- **Adaptive Redesign:** Engineered gantry components to be lightweight for handheld installation, eliminating the need for large machinery and enabling rapid assembly within timeframe.
- **Efficient Foundation Strategy:** Used screw piles installed from RRVs off-track to overcome limited access and maintain progress.
- **Flexibility in Execution:** Adjusted schedules to mitigate delays, coordinated with the client, and effectively utilised contingency shifts to complete installations.



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### Results

- **Timely Completion:** All three sites were completed within tolerance, with CA841 finalised during the contingency weekend.
- **Reduced Impact:** Eliminated reliance on heavy machinery, minimising site disruption and accelerating the installation process.
- **Client Satisfaction:** The client praised the team's ability to adapt to late-stage design changes and overcome on-site challenges, including restricted access and coordination with other contractors, ensuring the project was delivered to a high standard within the tight timeframe.



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