

Project Report

CONTRACTOR	CLIENT
J Murphy & Sons Ltd	Network Rail
OTHER PARTNERS	INSTALLER
Scott Parnell	J Murphy & Sons Ltd

Requirement

During the construction of the new Beaulieu Park Railway Station, J Murphy & Sons Ltd faced a significant engineering challenge in relation to their cable route management system. While approximately 70% of the site was fitted with standard ARCO troughing, one section of the embankment proved problematic. The steep slope and unstable ballast caused the original concrete troughing to slip, creating both safety concerns and long-term durability issues. It was critical to source a system that could remain structurally sound on a gradient and offer a secure route for cabling across difficult terrain. A rapid, reliable and slope-stable cable route management solution was urgently required to ensure continuity of the project and long-term system resilience.

Solution

Anchor Systems and Scott Parnell provided the answer with the supply and installation of their elevated Rapid Route Size 1 Cable Route Management System. This system is specifically designed for environments where traditional ground-level troughing is unsuitable, such as steep or unstable embankments. Over 100 metres of Rapid Route were successfully installed within just two days, demonstrating both the speed and efficiency of the system.

To support the installation process, Anchor Systems delivered tailored training to Murphy's installation team, both at their yard and directly on site. Given the sloped working environment, operatives were fitted with safety harnesses secured to the rail throughout the installation. The elevated troughing was securely anchored into the slope, providing a long-lasting and stable solution where concrete options had failed. This bespoke approach ensured the safe routing of cables while maintaining access for future maintenance.



Beaulieu Station

Rapid Route

