

PROJECT PROFILE: Carlisle Bypass, Carlisle, Cumbria



Location	Carlisle , England.
Client	Birse Civil Engineering Ltd
Value	£7M
Duration	75 weeks currently ongoing.
Quantities	<p>85,000 m3 of Topsoil. 400,000m3 of Bulk Earthworks. 250,000 m3 Lime modification of above earthworks including a cement core embankment and lime stabilized capping layers. 75,000 m3Supply and lay imported starter layers and fills Off site disposal of excess materials 50,000 m3Supply and lay type 1 subbase to carriageway and footpaths 35,000 m2Rock buttresses to embankments 12,000 m of carriageway drainage 2,000 m of Large Diameter Culverts and Headwalls 7,500 m of Ductwork 6 no Roundabout Installations</p>
Description	<p>Carlisle Northern relief road is a 6Km traffic relief scheme to reduce traffic congestion within Carlisle City Centre to connect the west of the town to the Northern M6/M74 corridor.</p> <p>RJT were employed to carryout the bulk earthworks, lime modification, soil stabilised capping layers and produce a cement stabilised core embankment. Excess materials and drainage arisings were incorporated where possible into construction layers and the remainder was disposed of off site.</p> <p>Subbase was laid to a tolerance of 5mm with all associated carriageway drainage, culverts, headwalls, manholes and ductwork also installed by RJT. The site was geotechnicaly very challenging and RJT used its extensive knowledge of ground conditions and specialised stabilisation equipment to provide a cost effective and environmentally sound solution to the project.</p> <p>The project was also broken down into areas of distinct areas of focus due to traffic management specifically at tie-ins and roundabouts and the construction of 2 major structures.</p> <p>RJT took the project from topsoil strip to full earthworks profile, drainage installation and topsoiling of verges and footpath areas.</p>