

M8/M74 Improvement Scheme

North Lanarkshire, Scotland



TYPE OF PROJECT
**Reinforced Soil Walls
And Slope
Reinforcement**



YEAR OF CONSTRUCTION
2016



CLIENT
Transport Scotland



PROD. RELATED
**TerraMesh
(Undefined)**



CONTRACTOR
Ferrovial Lagan JV



DESIGNER
Amey/RPS

Challenge

The Scottish Government's new initiative is to complete the Motorway Network in Central Scotland including the M8, M73 and M74 which are a Road Improvement Scheme to fill in the missing link between Edinburgh

and Glasgow. The works needed would include a new 7-mile stretch of the M8 which would replace the A8 through North Lanarkshire.



Paragrid geogrid placed in layers as designed by Amey/RPS



GTM and Paragrid. The structure is getting higher

Solution

The procurement process was tendered and the successful bidder, Scottish Roads Partnership (SRP), was a consortium with a construction joint venture of Ferrovial Agroman and Lagan. Maccaferri was awarded the contract by the joint venture for all reinforcing systems required for the project. The M8, M73, and M74 motorway improvements were one of the first major road projects in Scotland to pioneer the use of Building Information Modelling (BIM), the cutting-edge 3D technology revolutionising civil engineering.

A commitment to social responsibility and the environment saw 95% of all waste produced on-site recycling. Works impact was minimised with an effective communications strategy and community engagement programme, including supporting local charities, social and educational programmes and provision of significant local training, and short and long-term employment opportunities.



GTM and ParaGrid. The



The North Calder bridge beam



Finished 15 metre high slope



Two years on and vegetation



OPEN GOOGLE MAPS



OPEN GOOGLE EARTH