Press Release

New MS3 Foundations for Carillion & Highways Agency

FLI Structures, the UK’s market leader in the design and manufacture of Screw Pile foundations, are delighted to announce the recent contract award from Carillion for MS3 foundation on the A1/A19 project for the Highways Agency.

The foundation design was carried out by FLI’s in house engineers, who developed a lighter and more efficient steel grillage compared to traditional designs used to support similar Highways structures. This MS3 foundation required eight screw piles, taking tension and compression loads, supporting the structure via a grillage weighing approximately 5.7 tonnes. AIP’s and Departures are in place and signed off, demonstrating a minimum 30 year design life.

Site works commenced in December, where FLI trained and supervised Carillion’s site crews to install the screw piles. Grillages will be landed into place in January 2010. Due to limited site access, installation took place at night, with temporary lane closures to minimise impact on motorists. This saved time and money for the Highways Agency as well as for the Contractor, Carillion. The cost savings for the Highways Agency include no daytime lane disruption and no spoil to cart away. Concrete curing time was avoided, enabling the works to be completed sooner than planned and also saving money.

This contract has provided FLI with more experience in the highways market, as well an opportunity to work closely with Carillion.

FLI are successfully designing screw pile solutions for a vast array of structures widely used by both Network Rail and the Highways Agency, including portal
gantries, cantilever gantries, signs, platforms, CCTV structures, etc. Tony Parker, Sales Manager at FLI comments “Our success with Network Rail and now the Highways Agency is based on understanding and solving site problems efficiently, with safe solutions in mind for our installers. With a strong focus on innovation, we are able to supply foundation solutions to support a wide range of structures in both railway & highways markets. We take experience from each site and use this knowledge to continue to lead the way in the screw pile foundations sector.”

FLI were delighted to work with the Highways Agency and Carillion.
For more information contact Mike Pearson, at

FLI Structures, Waterwells Business Park, Waterwells Drive, Gloucester, GL2 2AA
Tel: 01452 722200, email sales@fli.co.uk web: www.fli.co.uk