

BOULONNAIS VIADUCTS

BOULOGNE - FRANCE

Foundation blocks monitoring of 3 viaducts of the A16 motorway.

Link of the "Estuaires Road", the A16 motorway is located at the crossing of the Europe ways.

It is a direct link from Paris to Great Britain via the English Channel tunnel and the harbours of Boulogne and Calais.

Near Boulogne, this motorway includes several important engineering structures which overhang the crossed valleys of more than 50 m.

Following to slides occurred at the bottom of several piles, an intensive geotechnic monitoring of the foundation blocks was decided and awarded to SOL DATA.

The instrumentation consisting of inclinometers and of a piezometers network was judiciously installed in order to determine the evolution of the observed deformations and to measure the nappe behaviour.

During 2 years, SOLDATA has monitored the blocks of the three main viaducts :

- Echingen viaduct
- Herquelingue viaduct
- Quehen viaduct

The periodical manual statements and the evolution reports realized by our specialized engineers with the help of the instrumentation software GEO-SCOPE Web allowed to control efficiently the general stability of the blocks foundation.



Boulonnais Viaducts –A16 Motorway



OWNER :	SCETAURROUTE
CONTRACTOR:	ADRGT
DATE OF WORKS :	1998 - 2000

WORKS DONE:

- Supply and installation of sensors.
- Manual inclinometrical and piezometrical measures.
- Data management, measures and synthesis reports.