

# A47 Thorney Bypass

## Project Particulars

Value: £1.6M

Duration: 66 weeks

Client: Birse Civils Limited on behalf of Highways Agency



Greyhound Plant Services and Birse Civils Limited combined forces at an early stage, to ensure the client received the maximum benefits on strategy and total cost. The project consisted of a 5km dual carriageway built on an average of 1.5m high embankment; consisting of some 200,000m<sup>3</sup> of site won material generated from an online borrow pit and placed on Terram Geogrid. Three round-



abouts were constructed along the carriageway. Additionally there was around 10km of V ditching, culvert works, realignment of existing V ditches and landscaping adjacent to the new road.

The site interfaced with the existing A47 with significant traffic management on this main artery into Norfolk, and also linked with pedestrian routes and farm access tracks. There were areas of special note: high level environmental control; dust suppression; steep sloped works on embankments; deep excavations at borrow pit; deep ditches and

watercourses adjacent to the site. In addition the site was a water vole habitat, which had to be managed; badger tunnels were also necessary to service the local badger population, these were constructed in line with existing runs.

Volumes of material moved:

- 19,700m<sup>3</sup> topsoil stripped and stockpiled
- 58,460m<sup>3</sup> subsoil/overburden stripped and stockpiled
- 196,000m<sup>3</sup> of 6X material taken out of borrow pit and hauled to new road embankment
- 6X material imported by road wagons to east end of job from Pode Hole Quarry
- 18,000m<sup>3</sup> 6X to link road and then placed by Greyhound
- 20,000m<sup>3</sup> 6X to east roundabout and then placed by Greyhound
- 18,000m<sup>3</sup> of material was generated from 10 kilometres of new ditch works and used on site to fill old ditch works; the surplus was lost in landscape areas.

Birse say: We are pleased with the openness of GPS' records and verification of the account. Greyhound have proved to be very easy to work with and have contributed positively to the development of agreed programmes and method statements.