



EWR – East West Rail Alliance



Client	East West Rail Alliance
Date	July 2017
Programme	Ongoing
Value	£2.4mil +
Role	Site investigation contractor
Works undertaken	Rotary drilling, dynamic sampling, dynamic probing, ballast pits, trial pits, TRL-DCP, laboratory testing,
Specialist Works	GPR Survey, Groundlevel Seismic Surveys, Pressuremeter Testing, downhole geophysical surveys
Geology	Alluvium, Glacial Deposits, Oxford Clay Formation



The Solution

Activities were coordinated using a dedicated team of CCGI drilling contract managers and experienced rail staff to ensure the expectations of our stakeholders could be met.

Over the course of the project CCGI H&S and rail teams also worked closely with the Alliance to look at ways of minimising manual handling risks. Mandating the use of smaller track mats and using lightweight LED lighting saved fuel, reduced noise, and reduced manual handling risks.

Use of conventional hand pushed track trolleys was prohibited on the scheme and so an alternative Gator solution was employed along with RRAPs to safeguard our crews from falls from height during the loading/unloading process and to reduce fatigue during the shift.

Gi information was delivered for each works package as both .pdf and AGS data.

The Contract

A ground investigation was required along 22km of mothballed railway, public footpaths, existing stations, and road bridges. Works were undertaken over days, nights, weekend day and weekend nightshifts, often across multiple work fronts.

The Challenge

The route had many particularly sensitive sites and significant constraints had been identified. Site walkovers were required to assess land access, agree access routes and to assess for lay down areas, track matting and welfare and buried services, etc.

