

## Swanage Railway

### Our Services

- Condition Surveys
- Safety audits
- Engineer Design
- Ground Investigation
- Embankment Stability
- Bridge Assessment



### Engineering Services

**CGL** is currently appointed as the independent Civil Engineer responsible for safety inspection for all permanent way and line structures.

The award-winning Swanage Railway currently operates more than six miles of track between Swanage and Corfe Castle. The goal of the railway is to restore the rail link between Swanage and Wareham, re-establishing a daily through service to connect with the Network Rail main line.

As part of this aspiration, **CGL** provides engineering services to Swanage Railway with regard to the maintenance and upgrading of permanent way and infrastructure to allow operations of trains to RU loading standards and speeds.

In 2008 **CGL** undertook a ten year condition survey of the railway which comprised inspection and analysis of the permanent way infrastructure

including embankments, cuttings, drainage ditches and culverts, and bridges.

The bridge stock includes a number of Portland stone masonry arch bridges. Maintenance of the condition of these structures is essential to the running of the railway.

Embankment stability is another key element of train operations and **CGL** has designed a number of slope remedial schemes, including the ponderosa slip repair pictured above.

Client: Swanage Railway Company Limited