

## Reopening of railway line between Oloron-Bedous



### Client:

RFF Aquitaine – Poitou-Charentes

### Project manager:

SETEC Ferroviaire

### Contractors:

Invitation to tender in progress

### Years:

2010 to 2016

### Principal features:

Reopening of a railway line which had been shut for 30 years. 150 structures diagnosed.

### Background

The operation consisted of the reopening of the Pau-Cangranc railway line between Oloron and Bedous, which is located in the department of Pyrénées Atlantiques (64).

This single-track line will be electrified, form part of the UIC 9 AV group (with travellers) and operated commercially by the SNCF (TER).

DIADES, as SETEC FERROVIAIRE's sub-contractor, carried out the diagnostics and the restoration plans in respect of the line's 150 structures, distributed as follows:

- ✓ Engineering structures (25),
- ✓ Hydraulic structures (46),
- ✓ Tunnels (7),
- ✓ Retaining walls (72),

In order to provide a better understanding of the structures, specific investigations were carried out in respect of the large metal structures (inspections, dimensional measurements, and underwater investigations).

### DIADES' task

As part of the work of the project management consortium, from project planning to the works themselves, Diadès carried out the following tasks:

- ✓ Analysis of the pre-project planning area,
- ✓ Visit to the line's 150 structures.
- ✓ Feasibility study and qualitative analysis into improving the scope according to financial criteria and considerations of maintenance of the structures in the medium term.
- ✓ Recalculation of the line's small metal structures,
- ✓ inspection and dimensional measurements of two large lattice-type metal structures (spanning 45m and 65 m),
- ✓ specific investigations to determine the mechanical properties of existing metal structures,
- ✓ taking of paint samples and laboratory analysis to diagnose waste and determine presence of heavy metals and asbestos,
- ✓ Running underwater investigation,
- ✓ Project planning (*PRO*),
- ✓ Preparation of tender documents (*DCE*),
- ✓ Assistance in awarding contracts (*ACT*),
- ✓ Project conformity assessment and approval of plans (*VISA*),
- ✓ Supervision of works (*DET*),
- ✓ Approval of works on completion (*AOR*).

Project management (planning + works)

Improving the scope pre-project planning

The reopening of the railway line connecting Oloron to Bedous has a particular political, environment and economic context. The project-phase planning required particular attention to be focused on precisely identifying the techniques to be applied to structures which are in close proximity to the Gave d'Oloron river.

### diadès

ZAC Le Griffon  
7, Chemin des Gorges de Cabriès  
13127 VITROLLES  
Tel: +33 (0)4.42.12.41.30  
Fax: +33 (0)4.42.12.41.39  
Mail: diades.aix@diades.fr  
www.diades.fr

