

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

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