
Appendix E: Individual CVs



Curriculum Vitae

Update : March 2010

Page 1 to 3

Philippe VOIGNIER

date of birth	25th of september 1953
nationality	French
education	Certified Project Manager AFITEP (IPMA) in 1997 Civil engineer from l'Ecole Nationale des Ponts et Chaussées (1975)
languages	English German
position	General manager

Key record

After over 30 years spent on railway engineering in Société Nationale des Chemins de fer Français (SNCF), the French national railway company, Philippe Voignier joined SETEC Group where he is general manager of SETEC Ferroviaire.



Curriculum Vitae – Philippe VOIGNIER

Update : march 2010

Page 2 to 3

Since october 2008

General manager of Setec ferroviaire

Setec ferroviaire is the SETEC Group company specialized in railway engineering : operation, systemwide, maintenance.

February to september 2008

SNCF International

Project director of Casablanca Tanger HSR new line in Marocco

**January 2007
to february 2008**

INEXIA

Deputy general manager

INEXIA is a subsidiary of SNCF Group, created in 2007 and specialized in railway engineering : socio economic studies, operation, civil works, systemwide, environmental studies, maintenance.

INEXIA delivered detailed design, works survey, testing and commissioning of the East European High Speed Line (World Speed record at 360 mph).

**2004 to 2006
1999 to2004**

SNCF Engineering, Project Department

General manager

Deputy general manager

The Project Department delivered socio economic studies, environmental studies, operation and maintenance studies, technical expertise, design, survey, testing and commissioning of various railway projects, including HSR and local lines.

The Project Department was RFF (Réseau ferré de France « RFF » is the owner of French national railway network) technical adviser for the East European HSR and for the Rhin – Rhône HSR line.

The Project Department became INEXIA in 2007.

1997 to 1999

SNCF Technical Head of East European HSR project

Preliminary design

Organization setup for detailed design, real estate and works

1989 to 1997

SNCF Infrastructure

Manager of various technical engineering departments

Involvement in European Standards

1986 to 1989

SNCF PARIS-MONTPARNASSE station

Head of the preliminary and detailed design, survey, testing and commissioning of the renewed station in Paris for the operation of the new High Speed Line « LGV Atlantique » to the west and south west of France.



Curriculum Vitae – Philippe VOIGNIER

Update : march 2010

Page 3 to 3

1979 to 1986

SNCF « LGV Atlantique » high speed line

Head of the preliminary and detailed design of bridges, viaducts, cut and cover

1976 to 1979

SNCF « LGV Paris –Lyon » high speed line

Engineer for preliminary and detailed design of bridges, viaducts, cut and cover

Jean-Pierre PASZKO

Current address: Lot "Les brochets" 71210 Saint Laurent d'Andenay France	+33(0)3-85-78-00-85 (Home) +44 7 795 643 866 (Mobile) E-Mail :jppaszko@ctrl.co.uk
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Date of birth : **31st of May 1948**

Nationality : French

Married, 2 childrens

Systemwide Construction Expert

Educational Background

Degrees in Physics and Chemistry , University of Burgundy, 1967/1970

Master of Chemistry degrees, University of Burgundy, Dijon 1971

Certificate in Solid Materials & Metallurgy: Conservatoire National des Arts et Métiers 1972

Work Experience : Engineering and Construction

Dec 2009 up to now: SETEC Ferroviaire: Technical Director

As Technical Director of the Ferro Branch, in charge of the follow up of all High Speed Projects in which the Company is involved:

- The construction of the new extension in East of France of the South-East HSL, connecting Dijon and Mulhouse, a link in 130 Kms length for a design speed of 350 Kmh to be commissioned in December 2011.
- Projects under review: SEA; connection between Tours and Bordeaux (350 Kms), extension of the East European HSL by a link of 110 kms Metz to Strasbourg including a tunnel in 4 kms length; By-pass Nimes to Montpellier; connection by 70kms of mixed traffic lineHSL(300Kmh and Freight), extension of the Atlantic HSL;120 Kms link between LeMans and Rennes.

April 2008- December 2009: Marmaray Projet/ALSTOM Company.

As Construction Manager and Operational Manager, leading for Alstom the Construction team covering a consortium of Alstom, Dogus and Marubeni.,

In charge of the design and the beginning of the refurbishment of Asian line(40Kms) European line (25kms) and the systemwide equipment inside newly built Tunnel underneath Bosphorus 8;5 km in Asia, 4.5 km in Europe and 1.3 km immersed tunnel.

This Project includes also 3 new depots for new rolling Stock.

The whole Project was designed inside Istanbul and suburbs in Turkey, still under construction.

September 2006 to April 2008:

As Contract Manager for Bechtel Company, leading of 8 contracts for the immunisation of the new HSL CTRL 2, 40 Kms length including double tubes tunnels underneath Thames river and London up to St-Pancras Station for a total of 40Kms of tunnels section operated at 230Kmh. Close all the CTRL 2 systemwide contracts from June 2008 to November 2008 as Contract's Manager under the authority of the RLE Director.

In charge of the final commissioning CTRL 2 line and the Eurostar Depot in Temple Mills, and after the transfer to the Operator in November 2008, stay as technical advisor for the Guaranty period (last manager to stay).

Part time on the Crossrail Project as systemwide Construction Manager for the preparation of the bid documentation and the development of the overall programme.

This Project is a major Project underneath London with a Central section of 40 Kms of tunnels and 13 interconnection stations with the existing Tube under operation. (completion expected for 2019)

2003-2006

- **Systemwide Construction Manager RLE/CTRL Section 2**
- Management on site of an Engineering team of 24 field engineers covering the installation of ballasted on open route and concreted track inside tunnels, catenary and M&E equipment.

2002-2003:

- **Systemwide Construction Manager RLE/CTRL Section 1**
- Management of the Construction team on site for ballasted track, turnouts installation , M&E equipment
- Testing –Commissioning of the Section 1 as support of the Commissioning Manager

2000-2002:RLE/CTRL Section 1

- **Interface Coordinator Systemwide;**
- Responsible for the coordination of all Systemwide Activities on CTRL Section 1
- covering the interfaces with Civils and Utilities diversions, connections with live Railways
- Coordination of Systemwide Activities including Signalling, M&E, Controls & Communications, Radios
- Integrated programme of Construction
- Documentation from Contractors for Construction Method Statements, work Plan, Construction Plan, Quality Plan

1998-2000:

- **Track expert: RLE/CTRL**
- In charge of Feasability studies,
- Construction Methods and Specifications
- Construction Standards
- General Programme of Construction for Systemwide
- Tender documentation for Track & Catenary Contract

1998: Systra Pole Engineering

- Cairo: Expertise of a turnout's Construction site and recommendations for a Refurbishment Plan

- Taiwan: High Speed Project (THRSC): Preparation and Presentation to the Client of the Maintenance Plan and Policy

1996-1998: RLE/ CRTL

- **Design and Construction Expert, Track Manager**
- In support of the Construction Manager, preparation of the Systemwide construction Programme.
- Preparation of all the Construction Specifications & Standards for track activities
- Preparation of the tender documentation

Work Experience :High Speed Tracks Construction & Maintenance

1992-1996 : SNCF Paris Sud -Est

- **Deputy Manager of a Maintenance Unit (225 Kms of High speed track)**
 - ✓ As Deputy Manager, in charge of all the production and implementation of modernisation works
 - ✓ Safety Manager and management of the staff (250 units of labour and engineers) including the Training Plan
 - ✓ Management on daily basis of the Maintenance Contractors

1992 : SNCF Lyon/St Quentin-Fallavier

- **Deputy Manager of a new Maintenance unit**
 - ✓ Creation of the Maintenance Unit for the HST extension (104 Kms of Tracks, Catenary and Systems including Satolas Airport Station
 - ✓ That covers all the Maintenance Plan, the Equipment and Plant purchase, labour and supervision recruitment

1988-1992 :(High Speed Lines extension in Lyon)

- **Track Construction Manager (104 kms of lines)**
 - ✓ Track Construction Management of the Contractors on daily basis
 - ✓ That includes track and turnouts Construction

1984-1988:Track Maintenance Inspector at the SNCF Head Office

- In Charge of all the Specifications for track maintenance for High Speed Lines
- That Covers: South East HSL operated, Atlantic HSL under construction, North Line in projet
- Contact point between the SNCF Head-Quarter and Construction and Maintenance units

1978-1984:

- Field Engineer in charge of Civils Construction and Systemwide installation inside the Construction Team of the 1st HSL in France (225 Kms of Lines)

Languages

- French : Mother tongue
- English : fluent , 10 years in UK
- Polish : Spoken and writing

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Computer skills

- Office automation:
 - ✓ Word, Powerpoint, Excel, advanced user
- Databases
 - ✓ Prima Vera planning

Voluntary activities

Sports and hobbies



Jean Bernard

Updated June 2009

Year of birth	1953
Nationality	French
Passport	Passport number: 07 CH 66076 Date of expiry: 2017, September 12 th
Education	Graduate from Ecole Nationale des Ponts et Chaussées – Civil Engineering
Foreign languages	English, German
Joined setec in	1975
Position	Director
Main teaching experience	1976 – 1994 : Ecole Nationale des Ponts et Chaussées - Professor in Material strength and reinforced Concrete

Professional experience

Jean Bernard's field of activity is civil engineering structures, especially bridges and underground structures. His experience includes preliminary design, structural design, construction design for structures and project coordination, as well as the management of major multi-disciplinary projects.

Jean Bernard usually works as Project Director on large scale infrastructure projects such as intercity express ways or high speed railways lines.

Main references

Since 1975 **Setec travaux publics et industriels**

RAIL PROJECTS

In progress

High speed railway line between Dijon and Mulhouse (France)

Project director for Section C, stage 2: Detailed design and works supervision:

- 35 km railway line,
- 8 km viaduct,
- 3 km standard bridges

2008

High Speed Railway line Provence-Alpes-Côte-D'Azur (France)

Assessment of functional and structural capacity for 100 tunnels along the various high-speed routes being studied, as regards to the new regulations for rail tunnel safety

2008 - 2009

High speed railway line between Paris and Strasbourg (France) – Section H – 35 km

Director of Saverne tunnel project and civil engineering structures

Updating of Project established in 2001 (see description below) according to new seismic regulations and new safety regulations for rail tunnels: the Saverne tunnel is a bi-tube tunnel with a 52 m² section.



2004 - 2009

High speed railway line between Dijon and Mulhouse (France)

Project Director for Section C, stage 1: preliminary design, detailed design, preparation of tender documents and management of civil engineering works, for 30 km of new line and:

- Chavanne tunnel (1,970 m long; 80 m² section)
- 6 rail viaducts from 220 m to 716 m long
- 30 standard civil engineering structures
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2002 - 2003

High speed railway line between Lyon (France) and Turin (Italy) - Saint-Jean-de-Maurienne (F) - Bruzolo (I) Section

Responsible for "Civil Engineering" design: technical development, safety and operation design of the 72 km long central section, including the main tunnel (53 km long) under the Alps and the Bruzolo tunnel (12 km long)

2002 - 2003

High speed railway line between Perpignan (France) and Figueras (Spain)

Project Director for Preliminary design of Perthus tunnel (8.4 km long) under the Pyrénées, 6 rail viaducts and 35 standard structures.

2001 - 2000

High speed railway line between Paris and Strasbourg (France) - Section H

Project Director for the detailed design of Saverne tunnel (4,019 m long; section: 100 m²), 6 rail viaducts and 33 standard structures

PROJECT COORDINATION AND DESIGN FOR ROAD AND HIGHWAY PROJECTS

In progress

Tunnel Prado Sud in Marseille (France)

Design and integrated coordination for a 1.4 km long cut and cover with 2x2 stacked lanes

1999 - 2000

Kenodo in Japan

Project Director for the preliminary design of a 17 km section of the highway project, including 9.5 km of standard section viaduct and the bridge for crossing the Tonogawa River (length of 1335 m), for which various spans (maximum span of 260 m) and deck structures were analyzed.



1999 - 2000

A43 Maurienne Highway (France) – 33 km

Project Director for civil engineering structures and tunnels for the construction of the A43 highway:

- 23 viaducts (71,000 m² of deck + 3 canal aqueducts)
- 40 standard civil engineering structures (15,000 m² of deck)
- Two 3-lane tunnels:
 - Orelle tunnel: 3,680 m long, with partial transversal ventilation
 - Sorderettes tunnel: 400 m long
- 40,000 m² of supporting structures
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1989 - 1990

Puymorens Tunnel (France)

Project Director for the detailed design of the tunnel: 4,820 m long road tunnel on the Toulouse – Barcelona route

BUILDING STUDIES

1990

Clean rooms of the "Grenoble 92" (France) project of SGS-Thomson

Design of structures to meet very strict vibratory criteria for the process support floor, characterized by a velocity $V_{RMS} \leq 3\mu\text{m/s}$

World record at the time

Adjustment of a digital model for schematization of buildings with in-situ measurements

1977 - 1978

Study of seismic behavior of 900 MW nuclear power plants

Seismic preliminary design of 1300 MW nuclear power plants for EDF



CIVIL ENGINEERING STRUCTURE STUDIES

1990 - 1991

High speed railway line between Paris and Lille (France)

OA 15 and OA 16 bridges on the Deule river in Lille: railway bridge with lateral metal girders, with a total length of 580 m.

Construction design of the structural steel work with, in particular, an analysis of the dynamic behavior of the deck with the passing of the high speed train

1987 - 1988

Cheviré Bridge on the Loire river (France)

South viaduct of prestressed concrete (797.80 m long + 162 m isostatic metallic span) and North viaduct of prestressed concrete (602.80 m long)

Control and approval of construction documents for the concrete structures

1983 - 1984

A86 highway – Crossing of the PLM line (france)

Control and approval of construction design and technical assistance to Project Coordinator (DDE of the Val de Marne) for the construction of structures for crossing rail lines, 4 mixed decks (concrete top slab on metal girders) of a length of about 200 m

1979/1982

Lille Metro - Line n°1

Tender documents and control and approval of construction design for viaducts (lengths: 1,225 m and 1,450 m) intended to carry line n°1 of the Lille metro (Lille Urban Community): prestressed concrete deck (spans between 23 m and 45 m) cast in place on advancing scaffolding. Deep foundation work in old quarries.

PERSONNAL DETAILS

Name : LEGENDRE

First Name : Michel

Home address : 21 rue du haut pâtis 35890 Laillé (France)

Phone number : 06.70. 27.73.55 (mobile phone) / 02.99.42.31.35 (office)

Date of birth : 03/03/1947

Education : SNCF 's Apprenticeship school A. Piron (Le Mans /France)

Languages : Conversational italian /

PRESENT PROFESSIONAL STATUS

Freelance engineering consultant

WORK EXPERIENCE

Since 2002 Freelance engineering consultant LEGENDRE CONSEIL FERROVIAIRE

**1998 / 2002 Réseau Ferré de France (RFF) – Head office
Responsible for Running department**

**1993/1998 SNCF (French Railways) - Région Transport Division of Paris Nord
Head of the studies division**

**1991/1993 SNCF - Région Equipement Division of Paris Nord
Head of DV 21**

**1988/1991 SNCF- Exploitation Etablissement of Paris Banlieue Saint-Lazare
Replacement of the Establishment head**

**1985/1988 SNCF - Exploitation Etablissement of Paris Saint-Lazare
Stationmaster of Paris Saint-Lazare.**

**1980/1985 SNCF - Région Transport Division of Paris Saint-Lazare
Assistant of the Division head for the training of the Transport master
agents and future managers**

**1978/1980 SNCF - Exploitation Establishment of Paris Saint-Lazare
Assistant of the Establishment head for security and exploitation postes**

- 1974/1978** SNCF - Equipement Division of Paris Montparnasse
Definition and elaboration of signalling programs.
- 1969/1974** SNCF - Posting to the Region working service of Le Mans.
- 1965/1969** SNCF - Skilled worker in the workshops and depots of Le Mans (France).
1962/1965 SNCF On going education : apprenticeship school A. Piron (Le Mans /France)
- 1962** Entering into the French Railways (SNCF) as Material and Traction's apprentice

SUMMARY OF ACCOMPLISHMENTS

Since 2002 Freelance engineering consultant **LEGENBRE CONSEIL FERROVIAIRE**

Running assessment, analysis and dynamic transport modelling of future passenger rail link Pretoria-Johannesburg and Sandton- Airport (South Africa)

High-level running assessment of the Trans-Gabonese for new traffic' intake

Support for the Algerian government Transport Office in the frame of the 2005-2009 national transport plan (whole Algeria, Alger suburb and north ring road Oran Annaba

Assessment of Nice's station capacity

Study of the Dijon's rail junction related to West and East branches of TGV Rhin Rhône. Analysis of new junctions and facilities of east area of Dijon

Running study of the new rail link Lyon Turin

Achievement of the rail installations guiding pattern of the Nantes' complex.

Guide. Thesis related to rail running achieved by student of Valenciennes University

Supervisor. In the frame of Master of Transport – ICAM engineering school

Teacher, as rail expert . Ecole nationale des Ponts et Chaussées

Running analysis of the new 250km long railway (passenger/freight) of the Botnialine (north of Stockholm , Sweden)

**1998 / 2002 Réseau Ferré de France
Direction du Réseau Ferré**

Head of running department

Achievements of running and capacity studies for new railways:

TGV Rhin Rhône south branch, Nîmes Montpellier bypass, Montpellier Perpignan rail link, Lyon bypass

Achievement of many important french rail complexes guiding patterns : Rennes, Toulouse, Bordeaux, Rouen, Tours St Pierre des Corps, Perpignan ; Nancy (East TGV). International development in the frame of Perpignan Figueras link.

Development, in collaboration with Corys and Valenciennes University, of a tool allowing timetables and rail installations design and modelling transport.

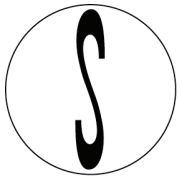
**1993/1998 SNCF -
Division du Transport Région de Paris Nord**

Head of studies' department. Achievement of suburban passenger transport plan, running and facilities assessments. Special achievement : transport plan for every events within the "Stade de France" (including 1998 world soccer cup)

1991/1993 Division de l'Equipement Région de Paris Nord

Head of DV 21 , organization in charge of projects regarging facilities, runnig and signalling

- 1988/1991** **Etablissement Exploitation de Paris Banlieue Saint-Lazare**
Remplaçant du chef d'Etablissement avec les fonctions gestion, organisation et personnel.
- 1985/1988** **Etablissement Exploitation de Paris Saint-Lazare**
Chef de gare de Paris Saint-Lazare.
- 1980/1985** **Division du Transport Région de Paris Saint-Lazare**
Etudes horaires et infrastructures.
Assistant du chef de la division pour la formation des agents Transport maîtrise et futur cadre.
- 1978/1980** **Etablissement Exploitation de Paris Banlieue Saint-Lazare**
Adjoint au chef d'Etablissement pour les fonctions sécurité et exploitation.
- 1974/1978** **Division de l'Équipement de Paris Montparnasse**
Définition et élaboration des programmes de signalisation.
- 1969/1974** **Affectation au service de l'Exploitation Région du Mans.**
Emploi dans les gares – Fonction circulation, sécurité et commerciale.
Instructeur à l'école exploitation de Viroflay (2 ans).
- 1965/1969** **Ouvrier aux ateliers et dépôt du Mans**
- 1962/1965** **Ecole d'apprentissage A. Piron Le Mans.**
- 1962** **Entrée à la SNCF comme apprenti Matériel et Traction.**



curriculum vitae

Updated : October 2007

Sylvie SOUCHON

date of birth	1962
nationality	French
education	Doctorate in Geography from the Scientific, Technical and Medical University in Grenoble 1990. PhD. equivalent in Physical Geography from the Geographical Institute of Aix-Marseille II University, 1985. Masters degree in Geography from the Geographical Institute of Aix-Marseille II University, 1984.
languages	English, Spanish
position	Senior engineer, head of Environment and Landscape department

Key record

After several years spent on high-level research, S. Souchon joined the « Environment and landscape » department of SETEC International where she carries out environmental studies and manages the Department. This involves coordinating the teams, supervising impact studies, public enquiry documents (state approval, water legislation) and socio-economic studies, and leading environmental studies of various kinds (preliminary investigations, impact studies, engineering consultancy for motorways) in France and occasionally abroad.

Since 1991 **Setec International**

ENVIRONMENTAL AND IMPACT STUDIES FOR LARGE-SCALE PROJECTS

- Since 2010**
- **Hight Speed Railway between Toulouse and Narbonne (150 km)**
Head of the Environment part of the preliminary studies, including comparative and environmental analysis of alternatives.
- Since 2009**
- **GPSO (Hight Speed new line of railway in South Western of France) between Bordeaux – Toulouse and Bordeaux – Spanish border (450 km)**
Head of Environment and Sustainable Development for the general assistance to the owner RFF, during preliminary studies, comparative analysis of alternatives and Environmental Impact Assessment.
- 2008-2009**
- **LGV EST Européenne (East European high-speed railway), Section H – Danne et Quatre-Vents - Vendenheim (35 km)**
Head of the external control of regulation procedures : public inquiry documents, alignment with local urbanisation plans, under the terms of the environmental code (Water law), applications to the *Conseil national de la protection de la nature*.

curriculum vitae : Sylvie SOUCHON (cont'd)

- **Public Private Partnership bid for the Sud Europe Atlantique high-speed railway between Tours and Bordeaux (300km)**

Head of the Environment and Sustainable Development part of the technical consultancy: co-ordination of participants and control of the studies and deliverables.

2007

- **Philharmonie de Paris in la Villette**

In charge of the impact study for planning permission of the future grand auditorium

1997 to 2007

FRANCE

- **A89 West Bordeaux to Brive motorway.**

Head of Environment for the general engineering consultancy for the Mussidan-Villac section (70 km).

Water legislation procedures for the Mussidan-Villac section.

Head of environmental studies for the preliminary design of the whole section.

2004-2006

- **Consultancy for the environment and landscape study for the eastern branch of the Rhin-Rhône high-speed railway Dijon – Mulhouse, sections A and C, 95 km**

In charge of external control for the environmental work.

2005

- **Bid for the concession of the Langon – Pau motorway**

Coordination and control of the studies relating to the environment and water law procedures.

2005-2006

- **A89 motorway West Bordeaux - Brive**

Head of the intermediate environmental impact assessment for the Mussidan - Périgueux East (33 km) and Périgueux East – Thenon (33 km) sections.

2004

- **A89 motorway West Bordeaux - Brive**

Production of the public enquiry documents for the modified state approval procedure for the A89 motorway between Peyrignac and Cublac (6 km).

2001 – 2003

- **Languedoc Roussillon high-speed railway – New line bypassing Nîmes and Montpellier**

Assistance to the owner RFF in preparing the specifications and supervision of the environmental impact assessment for the state approval procedure.

2000-2001

- **Public transport services to the south-eastern sector of Nantes**

Head of environmental studies for a public transport service for the south-eastern sector of Nantes (Tram line 3 South 3.5 km, dedicated bus lane, redevelopment of the A801 (southern radial road) (Preliminary studies, Environmental impact assessment, state approval and water law procedures)).

1999-2000

POLAND

- **A2 motorway bypass of Warsaw (Berlin-Moscow link).**

Head of environmental studies, carried out in liaison with Polish sub-contractors, which included the following phases :

- alignment investigations with comparative analysis of alternatives,
- impact study with comparative analysis of alternatives,
- impact study for the suggested alternatives,
- preparation of public enquiry documents and follow-up of consultations with authorities.

curriculum vitae : Sylvie SOUCHON (cont'd)

1999

FRANCE

- **Baussengue Canal crossing in Martigues (Bouches du Rhône).**

In charge of assessing the impact of a double bridge project over the Baussengue Canal to link the Etang de Berre (a lagoon) to the Gulf of Fos

1998

FRANCE

- **A87 Angers - La Roche-sur-Yon motorway - Mortagne sur Sèvre - La Roche-sur-Yon section (50 km in the Vendée).**

Application for authorisation under the terms of the Water Law.

In charge of producing the report on project impact and compiling the necessary documents.

1997-1998

- **Road development projects in the Essonne department.**

Project manager in charge of the following studies :

- Impact study, public enquiry documents prior to works and Water Law documents for the Prairie roundabout.
- Impact study, public enquiry documents prior to state approval, Water Law documents for the Beauvert half interchange

1996-1997

- **Doubling of the RN312 road between Bessan and Vias (Hérault), over 8 km.**

Project manager in charge of the following studies :

- Environmental study (original state),
- Impact study for the chosen solution including detailed noise and hydraulics studies.

- **Redevelopment of the RN196 trunk road between Ajaccio and Cauro. Diversion from the « Americans' bend » (Southern Corsica).**

In charge of producing the public enquiry documents prior to state approval.

1995-1996

- **A26 - Troyes/Auxerre motorway**

In charge of the environmental studies included in the preliminary design (80 km)

- **RN 193 trunk road- Corte-Omessa section (7 km)** in High Corsica.

In charge of the environmental studies included in the preliminary design and the preparation of the public enquiry documents required for state approval

- **RN 198 trunk road - Porto-Vecchio-Ste Lucie de Porto-Vecchio section (15 km)** in Southern Corsica.

Head of environmental studies for the preliminary design.

1994-1995

- **Environmental and impact studies for the RN 17 trunk road between Thélus and Vimy (10 km)** in the Pas de Calais.

Project manager in charge of the following studies :

- Environmental study (original state).
- Impact study for the solutions under consideration.
- Summary note.

- **Preliminary design documents for the redevelopment of the RN580 trunk road au droit de l'Ardoise (Gard), over 8 km.**

In charge of the following studies :

- Study of the environment and the socio-economic situation.
- Impact study for the various possible solutions.

curriculum vitae : Sylvie SOUCHON (cont'd)

- **Redevelopment project for the Dordogne Valley Road.**
 - Feasibility study for the Port-de-Couze/Le Buisson section
 - . In charge of studying the environment and the socio-economic situation
 - Public enquiry documents for the Bergerac/Port de Couze section
 - . Head of the impact study for the proposed solution,
 - . Responsible for the summary report.
- 1994**
- **Project to upgrade the Boulevard Laurent Bonnevey in Lyon.**
 - Additional study included in the preliminary design bidding
 - . Noise and landscape study.
 - **Preliminary design for the A43 motorway in the Maurienne Valley**
 - Synopsis of the preliminary environmental design
 - **RN 88 trunk road between Marsac and Séverac-Le-Château (115 km in the Tarn and Aveyron departments)**
Preliminary route design studies.
 - Project manager, in charge of the environmental studies for the phase 2 preliminary design.
- 1993**
- **Massy-La Francilienne secondary road link**
 - Preliminary design documents, concertation documents, public enquiry documents.
Head of :
 - . environmental and socio-economic studies,
 - . the impact study.
- 1992-1993**
- **A51 Grenoble-Sisteron motorway** - Preliminary design and tender documents for a 35 km section.
Head of environmental studies (original state, constraints, impact et comparison of alignment alternatives).
 - **RN113 to the East Montpellier urban motorway link (6 km)** - Preliminary design, pilot studies.
Head of environmental and impact studies.
- HUNGARY**
- **A section of the n°9 expressway including a bridge over the Danube in the Szeksard area (total length : 20 km).**
 - Head of the environmental study included in the bid for the concession of this section.
- 1992**
- **South Montpellier motorway bypass.** Preliminary study.
Analysis of the noise pollution relating to the various alignment alternatives.
 - **Road link from Les Cayrons to Le Poutaouch, in the municipality of Vence (Alpes Maritimes).**
 - In charge of the public enquiry documents :
 - . Environmental study,
 - . Impact study.
 - **Link between the future A759 motorway and the A9, to the west of Montpellier** - Preliminary design study.
 - Environmental study,
 - Comparison of the impact of each alternative.

curriculum vitae : Sylvie SOUCHON (cont'd)

- 1991-1992**
- **A26 Troyes-Auxerre. motorway**
 - Preliminary design study :
 - . Production of the environmental and socio-economic studies required in the search for appropriate alignments solutions.
 - . Comparative analysis of the impact of the various alternatives (average length 70 km).
- 1991**
- **580, 86 and 100, between Pont- St Esprit, les Angles and Remoulins.**
 - Preliminary design for the development of a 35 km route (Gard and Vaucluse) :
 - . Diagnosis of the environment-related constraints and impact analysis.

SOCIO-ECONOMIC AND IMPACT ASSESSMENT STUDIES

- 1997**
- **Massy-La Francilienne secondary road link**
- Responsible for updating the economic and social evaluation documents as part of the L.O.T.I. (official regulation for transport organization in France).
- 1995-1996**
- **A26 Troyes-Auxerre motorway**
- In charge of the economic and social evaluation studies for the preliminary design.
- 1994**
- **Dordogne Valley Road**
 - Public enquiry documents for the Bergerac/Port de Couze section
 - Evaluation of the economic and social effects of the project.
- 1993**
- **Massy-La Francilienne secondary road link**
- Evaluation of the economic and social effects of the project (en application de la L.O.T.I.)
- 1992**
- **Lorraine regional centre (Thionville-Metz-Nancy area).**
- Socio-economic study of the Lorraine regional centre and its potential for development within the European context (cartography).
- 1992**
- **A31 motorway from Toul to the Luxembourg border.**
- Assessment of the eventual saturation of the road :
- Socio-economic study (cartography).
- 1991**
- **Hyères-La Foux road link - Preliminary design study.**
- Socio-economic study aimed at assessing the potential for developing the RN98 trunk road to encourage economic and tourist activities whilst simultaneously preserving the natural landscape.

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- 1989-1991**
- Study engineer for a research association linked to the University of Grenoble :
- Statistic and graphic processing of scientific and socio-economic data,
 - Studies on the thermal potential of mountainous sites and agricultural lands with a view to development options.

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- 1986-1988**
- Research grant to work in the Climatic Environment Team at the National Scientific Research Centre (CNRS) in Grenoble :
- Development of graphics software suited to the processing of meteorological data,
 - Thesis on the variations in the pressure fields at high altitude over the Northern Hemisphere,
 - Participation in national and international symposiums.



Curriculum Vitae

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Page 1 sur 2

Christophe PERREAU

Date of birth	1975
Nationality	French
Qualifications	BTS Travaux Publics (EBTP Vincennes – 1998)
Position	Senior Engineer

Main references

Since February 2010 **Setec Ferroviaire**
Senior Engineer – head of Alignment Design Department

1999 - 2010 **SNCF (French National Railroad Company)**
Studies and Projects Department
Senior Engineer – head of Alignment Design Department

GPSO – South-western Great Projects
New High Speed lines of railway in South-western France : Bordeaux-Toulouse and Bordeaux-Spanish border : design of alignment and infrastructure for mixed high speed lines (high speed commercial trains + freight trains)

Calais-Dunkerque Project
Railroad outfitting and land settlement between Calais and Dunkerque (Northern France)

South Connection
Feasibility studies for a link between South-eastern and Western high speed lines in the South suburbs of Paris.

Tramway line in Angers
Design of alignment and infrastructure for the first line of tramway in the city of Angers (Western France)

Calais' Harbor
Design of service tracks and roads and estimating for the harbour of Calais (French North coast)

Mulhouse Short Junction
Alignment design and estimating for the junction between the city of Mulhouse and the new Rhin-Rhône Line (Eastern France)



Austerlitz Station Project

Tracks covering for Paris' Southeast station

Trans-Alps High Speed Line

Feasibility and preliminary studies for a new high speed line (commercial + freight trains) through the Alps

Languedoc-Roussillon Project

Extension of the Mediterranean high speed line around the cities of Nîmes and Montpellier – design of rail head, road alignment

Electrification of conventional lines in Boulogne-sur-Mer's area (Northern France)

Reims-Epernay doubling project

Design and estimating of a second track between Reims et Epernay

Euroairport Bâle-Mulhouse

Design and estimating for a rail link to the airport of Bâle-Mulhouse (Swiss-French border)