

Name of Staff: David M. Shelley
Profession: Transport Economist / Finance (PPP) Specialist
Date of Birth: November 6, 1956
Years with Firm/Entity:
Nationality: British
Contact: Email: shelleydavid2000@yahoo.co.uk Skype ID available upon request

Membership of Professional Societies:

Member, Consulting Economists Association
Member, Transport Economists Group, UK
Member Chartered Inst. of Logistics and Transport, UK
Member Inst. of Transportation Engineers, USA
Alumni Assoc. Anderson Graduate School of Management, University of California, Los Angeles, USA

Countries of Work Experience:

- **South East Asia/ Asia Pacific:** Bangladesh, Cambodia, Laos, Indonesia (including Papua), Philippines, Taiwan, Thailand and Viet Nam
- **Central Asia:** Bhutan, Kazakhstan, India, Mongolia, Pakistan, Russia (Siberia & Far East)
- **Europe:** Albania, Belarus, Bulgaria, Denmark, Estonia, France, Germany, Ireland, Latvia, Lithuania, Kosova, Macedonia, Romania, Russia (European), Sweden and the UK
- **Africa:** Burkina Faso, Cameroon, Cote d'Ivoire, Ethiopia, Ghana, Kenya, Madagascar, Malawi, Mozambique, Namibia, Tanzania, Togo and Uganda
- **Central and South America:** Brazil, Dominican Republic, Guyana, Jamaica, Suriname, Trinidad and Tobago
- **Middle East:** Afghanistan, Armenia, Iraq, Syria, United Arab Emirates

Agency Experience:

- **Bi Laterals:** Sida, NDF, KfW, DANIDA, DfID, JICA, JBIC, AusAID, MCA/MCC (USA)
- **Multi-laterals:** World Bank, Asian Development Bank, African Development Bank, UN System: (UNDP, UNCDF, ILO, UNOPS, UNCHS), EU System: (Brussels, EDF, TACIS, PHARE, Delegations), EBRD, EIB
- **Private Investment Authorities and Clients:** various

KEY QUALIFICATIONS:

Mr. David Shelley has undertaken postgraduate business studies and finance at UCLA and AIF, and elsewhere, and holds a Masters degree in Transportation from Birmingham University, UK. He has extensive experience and training in Finance, Economics and Infrastructure Development. During the last 30 years, he has carried out more than 80 consulting missions overseas including Institutional Development, Planning and Economics, Programme Management and Procurement and M&E for a wide range of Government Agencies and private sector clients.

His particular experience covers Institutions, development of Feasibility Studies for all modes, Demand analysis and Forecasting, Feasibility Studies, Financial Appraisal and PPP/PSP development. He has specific worldwide consulting experience in transport policy formulation at the Prime Ministerial level, financing and transaction advice and PSP development.

He has a successful track record as a Project Manager/ Team Leader on a number of large internationally funded development projects.

EDUCATION:

| | |
|------|---------------------------------------------------------------------------------------------------------------------|
| 1979 | Master of Science Transportation, University of Birmingham, UK, Bowater Trust Award (Valencia, Spain). |
| 1996 | Executive Management, The Anderson Graduate School of Management, University of California, Los Angeles (UCLA), USA |
| 2000 | Project Finance, Amsterdam Institute of Finance, The Netherlands |
| 2004 | Risk Analysis (Oil and Gas sectors), MDT International, London |

EMPLOYMENT RECORD IN LAST 30 YEARS [BY SECTOR]:

83. March-October 2009 (intermittent)

Mongolia
Ongoing

Acting Team Leader Urban Transport Development Project, ADB, Mongolia Institutions/Finance

Responsible for Project Inception report and Presentation of study findings. Responsible for the institutional aspects of the project: Examine the institutional framework for the planning, supply, regulation, and operation of public transport in Ulaanbaatar; identify problems and propose institutional and regulatory reform designed to achieve the policy objectives to be agreed with MGU as part of this project; Review alternative approaches for the supply of bus service. Options including route and area franchising with either net or gross cost contracts should be examined. A review of approaches taken in other systems around the world should be reviewed and used to support the recommendation. Propose the most optimal private-public partnership (PPP) options for rapid transit system management including management contract, leasing, concession, etc.

82. February-March 2009 (intermittent)

Ethiopia

Economist "TO IMPROVE AND UPDATE THE STUDY ON THE MANAGEMENT OF COMMERCIAL ROAD TRANSPORT IN ETHIOPIA

The major specific tasks of the Consultant are the following:

- Improve the quality of the final study report with adequate available data and rigorous analysis;
- Tackle the critical omissions and lack of precision found in the final report;
- Incorporate items overlooked by the Ethiopian consultancy firm as identified by the independent review;
- Adjust the lack of conceptual clarity and consistency observed in the final report of the study;
- Include appropriate additional issues to ensure a more balanced and complete coverage within the focus of the study;

81. February-June 2009 (intermittent)

Kenya
Ongoing

M&E Specialist, Mt Kenya Roads Programme Impact Monitoring System, Baseline Survey Study/ KfW/ EU based in Nairobi

- Establish an Impact Monitoring System to monitor the impact of the project in the project Area.
- Establishment of a project Baseline Survey; and
- Report on Indicator Framework.

80. December 2008

Ethiopia

External Reviewer, LONG TERM CONSULTANCY CONTRACT TO PROVIDE INTERNATIONAL CONSULTANCY SERVICES IN SUPPORT OF THE PSD-HUB PROGRAMME IN ETHIOPIA, Addis Ababa Chamber of Commerce & Sectoral Associations, Ethiopia

External Review of Consultant DFR. Review Report accepted by Private Sector Hub and Consultant engaged in follow on activities: see 82 above.

- 79. June-December 2008 (intermittent)**
Kenya
- Economist, Mt Kenya Roads Programme Economic Re-assessment Study/ KfW/ EU based in Nairobi**
- Provision of traffic forecasting
 - Preparation of an economic re-assessment report for the KfW rural roads programme around Mt Kenya to enable funding by the EU.
 - Study Report accepted by KfW / the EU. Project proceeded to implementation.
- 78. December 2007 – April 2009 intermittent**
Vietnam
Final Stage
- Institutional Expert The Comprehensive Study on the Sustainable Development of Transport System (VITRANSS 2) in Vietnam based in Hanoi**
- Development of Institutional Framework for PSP in the transport sector
 - Review of National Transport Existing Organisational and Administrative Arrangements. Elaboration of Specific Institutional Arrangements for Alternative Transport Development Scenarios, including preparation of proposals for transport regulators.
 - Formulation of proposals for intermodal transport, port planning, logistics and coastal shipping improvement.
 - Development of policy and regulatory frameworks for intermodal and logistical industry development. Specific recommendations for High Speed rail network.
- 77. December 2007 – February 2009 intermittent**
Philippines
- Finance Specialist PPP Study Philippines AusAID including development of Business Case Studies and Panguil Bay Bridge/ Ferry Project based in Manila**
- Undertake comprehensive financial review;
 - Prepare and train GoP staff on preparing a business case for potential transport sector PPP projects;
 - Recommend an approach for project funding / implementation through an analysed BOT-PPP arrangement;
 - Demonstrate the preferred approach through a developed business case;
 - Assist public outreach and interactions with bidders during the tender process;
 - Assist in the evaluation of bids and contract award; and
 - Assist in contract negotiations and financial closure.
- 76. October 2007 – November 2008 intermittent**
Tanzania
- Economist, NDF / TANROADS Tanzania**
- Tanzania: Nzega- Tabora Road Upgrading Project based in Dar es Salaam**
- The Nzega – Tabora road (116 km) forms a part of the Mid West Corridor (T008) that links the TANZAM Highway Corridor to the Central Corridor through Mbeya and Tabora regions, respectively. The Transport Economist is responsible for:
- The Consultant shall advise on the evaluation and the financing arrangements of the proposed road infrastructure investments.
 - The Consultant shall identify, describe and quantify existing and potential traffic generating factors in the immediate areas served by the project road and areas likely to be influenced by future economic development
 - The Consultant shall undertake traffic forecasting, and evaluation of the economic viability of each option for the 20 years following the completion of the *construction/rehabilitation/Upgrading* of the road using HDM-4 at a discount rate of 12%. Particular attention to international long distance truck and bus traffic between the Port of Dar es Salaam, Mwanza, Burundi and Rwanda.
- 75. June–December 2007**
- Team Leader, KfW/ DG Railways**
- Indonesia: Track and Workshop Rehabilitation Project based in Jakarta**

**intermittent
Indonesia**

Establishment of a Rail Sub-sector PPP project. The Team Leader and Transport Economist is responsible for:

- Project management of the project, including guidance and monitoring of international and local experts;
- Managing and overseeing all technical project activities;
- Specific responsibility for the preparation of all transport policy, traffic forecasting, economics- and finance-related analyses and deliveries of the project as opposed to the more technical and operational analyses which will fall under the specific responsibility of the project engineers and operations specialists;
- Liaison with the Client, KfW and all other involved stakeholders as well as preparation and execution of consultative meetings / workshops.

**74. June 2007–
April 2009
intermittent
Kenya**

**Acting Team Leader, NDF/ Institutions/ M&E Specialist
Kenya: Indicators Project based in Nairobi**

The Expert is responsible for:

- Design of a comprehensive Framework for Transport Sector Indicator Management, addressing the following aspects:
 - define indicators by categories; performance, output, impact etc.
 - determine who, where, and how indicator data are to be collected and managed,
 - assess cost and time required for collection, evaluation and dissemination to users., common acceptance, and above all for sustainability.-
- Project management of the project, including guidance and monitoring of international and local experts.

In the Roads sub-sector the Consultant shall advise the Kenyan Roads Board (KRB) on the evaluation and the financing arrangements of the sectoral road infrastructure and road transport operations investment programmes.

In the non roads sectors, visits to all main institutions including KPA, KAA, Rift Valley Railways, Associations, etc.

**73. January –
May 2007
intermittent
Vietnam**

**Senior Economist, NDF/ ADB Project Feasibility Study
Vietnam: Central Region Transport Network Project (based in Danang)**

The economic evaluation of the rehabilitation of approximately 600 km of provincial and district roads will be undertaken, corresponding to the works programme for Phase III. The Consultants will identify improvement options and cost estimates, and carry out an economic evaluation and will recommend the level of Improvement for each candidate sub-project road. The Consultants will assist PPMU's and PMU1 in selection of eligible roads from the list of roads proposed by the PDOT's.

The Civil works programme in Phase 3 will cover 10 Provinces and amount to some US \$ 60 million. The economic rate of return (ERR) and economic net present value (NPV) for various rehabilitation/level of service alternatives for each road section will be estimated.

**72. December
2006- June 2008
intermittent
Armenia**

**Economist, [MCC] Millennium Challenge Corporation USA Armenia
Feasibility Study Rural Road Rehabilitation Project based in Yerevan**

The economic evaluation of the rehabilitation of approximately 943 km of "lifeline" rural roads that connect rural communities to the main road network will be undertaken, in three separate tranches, corresponding to each years works programme. The project roads have therefore been divided into three "packages" of 389 km, 331 km and 224 km, respectively.

The economic rate of return (ERR) and economic net present value (NPV) for various rehabilitation/level of service alternatives for each road sections will be estimated. The analysis will compute the net incremental income benefits over a 20-year project evaluation period.

**71. December
2006- March 2007
Mongolia/ China**

**Rail Finance Specialist, MCC Millennium Challenge Corporation [USA] Mongolia/
China based in Ulan Baatar
TASKS to be undertaken:**

In anticipation of the new mining developments, thoughts are being given to the construction of new railways linking mine sites in southern Mongolia to steel mills in Inner Mongolia, Xinjiang Autonomous Regions and Gansu Province in China. At least one 400 km new railway has already been constructed in China to the Mongolian border.

Most of the potential new mining developments to satisfy this demand are in South Gobi and will need rail links to China. Other potential developments are more distant from the Chinese border and will also need additional railway capacity, although some will be able to make use of the existing broad gauge line to the China. Tasks:

II-C. Economic and Financial Analysis

II-C.1. Evaluate the Accuracy/Completeness of Three Years of Financial Documents

II-C.2. Identify and Evaluate Assumptions for Revenue and Cost Information

III-C.4. Confirm Validity of Projected Income Statements for Five-Year Term

II-C.8. Determine Appropriate Framework for Modernization Program Financing

Undertake financial modeling for preferred options.

Supervised a small team to undertake a full financial review of Mongolian Railways (UBTZ) including critical review of accounting system weaknesses. Outline suggestions for improvements to financial management/auditing systems.

**70. November-
December 2006**

Laos

Finance Specialist / Economist, Asian Development Bank, Laos based in Vientiane

The project components are grouped into two parts: part A: urban infrastructure and service improvement, which includes (i) townwide infrastructure and amenities; (ii) town cleanliness and environmental services; and (iii) village upgrading and livelihood promotion.

The task was to produce economic and financial calculations for the remaining Phase 2 Town: Phongsaly and Phase 3 Towns: Houayxai, Xayaboury and Saravane.

The second task was to produce *Cost Recovery Proposals* for the proposed investments for the remaining Phase 2 Town: Phongsaly and Phase 3 Towns: Houayxai, Xayaboury and Saravane.

**69. June –
November 2006**

Indonesia

Private Transport Sector Finance Specialist / Economic Analyst, World Bank

The Private Provision of Infrastructure Technical Assistance (PPITA) based in Jakarta

The overall objective is to assist the GOI to develop and implement national policy and regulatory reforms, and in doing so, to provide the GOI with the institutional and social foundations needed to enable, promote, and facilitate efficient and sustainable large-scale private investment in infrastructure.

A key aspect of the PPITA-MOT scope of work is to pursue PPP/PSP initiatives in the sub-sectors of rail, land, sea, and air and create Demonstration Projects as a means to test reforms and thereby serve as a benchmark for future PPP/PSP initiatives.

Assisted PPITA MOT to produce a number of deliverables including:

- Guidelines for Tariff Setting;
- *Procedures Manual for PPP in the Transport Sector/Sub-sectors*;
- Institutional Reform and Analysis of forming a Regulatory Body;
- PPP Sector Node and Capacity Building;
- PPP/PSP Demonstration Projects, including Airport Rail Access link, Sumatra/Java Ferry Project.

Assisted with developing the Demonstration Projects and bringing them to tender, preparation/refinement of information memos, refinement of economic feasibility and financial viability analyses including Kariangau Container Terminal, Bata, Container Terminal, Medan Airport Terminal, development of PPP/PSP modalities for the Demonstration Projects, preparation of PQ and bidding documents, concession agreements.

**68. July –
December 2006**

Transport Planner, Lattakia, Homs, Damascus, Tartous and Aleppo Municipalities, EU based in Damascus

- Syria**
- Minor input with assistance with developing the Traffic and Transport Master Plan for the port city of Lattakia including urban transport operations.
- Intermittent**
- Minor input with assistance with developing the Traffic and Transport Master Plan for Homs including urban transport operations.
- 67. April- June 2006**
- Romania**
- Private Sector Economist / Finance Specialist, Vrancea Development Study, Investment Planning for Focsani and Adjud Municipalities Private Clients based in Bucharest**
- Preparation of Project fiches and investment programmes in accordance with Transport Sector Operational Programme (SOP), Sectoral Acquis in order to target ERDF funds. Responsible for developing mechanisms for cost recovery for five investment proposals.
- Strategy Report (of which Transport was one component) and Investment fiches accepted by Private Clients. Fiches developed, inter alia, for improved access to rail terminals, improvement of trucking operations.
- 66. March - April 2006**
- Vietnam**
- Economist, Vietnam Road Safety Improvement Project, World Bank based in Hanoi**
- Involved in a Road Safety project in Vietnam with responsibility for analyses of road traffic accident statistics and for establishing a strategy for ranking low cost interventions at road traffic accident blackspots within priority areas of Vietnam. Assembly of a small Investment Programme; Accident Cost Estimation and Road Safety Economic Appraisal for accidents located on the main national highways (corridors) in Vietnam.
- Project input completed and accepted by World Bank and the Client Ministry.
- 65. November 2005- February 2006**
- Vietnam**
- Financial Analyst / Economist (Inland Waterways/ Ferries), Southern Corridor Study, ADB based in HCMC**
- Responsible for the appraisal of the improvement options for the Tac Cau Ferry, and multi-modal planning (IWT and Road Transport, using HDM4) within the Southern Corridor influence area. Study visits to Kien Giang and Ca Mau Provinces. Interviews with local water passenger and freight operations. Responsible for economic and financial appraisals and optimum tariff formulation and adjustment.
- Final Report accepted by World Bank and the Client Ministry.
- 64. January – June 2006**
- Macedonia intermittent**
- Procurement Expert, Tender Evaluation for Bureau of Statistics, Macedonia [Sida Framework Procurement contract] based in Skopje**
- TA support for a Large Procurement Tender. Preparation of Procurement Notice, Preparation of Procurement Schedule, Preparation of Tender Dossier, Preparation of Bid Evaluation Minutes, etc.
- Assisted in obtaining successful Acceptance of the Tender by the Ministry and by Sida.
- 63. February 2005- March 2006**
- Guyana (Brazil, Suriname, Trinidad)**
- Team Leader/ Project Manager, National Transport Sector Strategy for Guyana, EU EDF based in Georgetown**
- Responsible for all aspects of the preparation of a National Transport Sector Strategy for Guyana supervising a Team of 12 Foreign Experts and 7 Local Experts. Extensive regional co-operation visits to neighbouring countries. Developed a website: guyanatransportstudy.com.
- Review of Government ferry services provided by the Transport and Harbours Dept. (THD) across the mouths of the Essequibo and the Berbice rivers, and by Canawaima Ferry Services across the Corentyne River. Review of coastal service between Georgetown and Mabaruma in the far north–west. Review of private sector river services and speedboats. Made traffic forecasts for ferry passenger and freight services. Made recommendations for roll-on/ roll-off type vessels, construction of stellings and ramps, operational requirements.
- Review of forward PPP investment plans for three railways: (private rail freight lines to Bauxite/ Alumina and Manganese Mines – Port access, suburban coastal railway.
- Review of forward airport development plans for Cheddi Jagan International airport and Ogle regional Airport. Development of Road Transport and Trucking fleet analysis and

proposed recommendations for improvement. Review of subsidy requirements for certain road transport operations, pattern of route franchises and enhancement of competition in the road transport service industry.

Prepared forward multi-modal investment programmes (: IAP, medium-term and longer-term scenarios) of Public and Private sector (PSP) investment projects in roads, ports and airports.

**62. December
2004 – January
2005 Laos**

Senior Economist, Government of Lao PDR Final Completion Report for the Road Maintenance Programme Phase 1 (RMP-1), Contract No. ICR-RMP1-001-DoR/04/, World Bank based in Vientiane

December 2004 – February 2005. Provided detailed support to economic assessment sections of the report /Client support. The Community Roads Model (CRM) was applied for investments (new construction, improvement or major rehabilitation) and for periodic maintenance on existing district and rural roads.

Project Completion Report accepted by Client and the World Bank.

**61. October 2004-
January 2005**

Team Leader, Tanzam Highway Appraisal Mission, Danida based in Dar es Salaam

Tanzania

Team Leader responsible for team of engineers, economists and other specialists in the appraisal of three roads sections on the Tanzam highway linking Tanzania with Zambia. Carried out economic analysis of road safety and pavement improvements along the Tanzam corridor.

Presentation at Danida/UM Copenhagen followed by progression to implementation phase.

**60. July 2004-
June 2005**

Economist/ Planner, Pre-Feasibility Study, Sida based in Kabul and New Delhi

Afghanistan

Responsible for first stage of economic evaluation of the Herat- Chaghcharan road project using HDM4 for the main access link, and elucidation of *preliminary findings* for surrounding rural road programme. Project Report writing and data analyses based in Delhi Office, India. Project subsequently progressed to full -Feasibility Study stage.

**59. September –
December 2004**

Senior Economist, Road Feasibility Study, World Bank based in New Delhi

India

Responsible for traffic forecasting and economic evaluation of a main highway project to Srinigar in Kashmir involving the assessment of widening from 2 to 4 lanes using HDM4. Inputs to financial analysis of project components.

**58. May - June
2004**

Senior Economist, Road Maintenance Program Phase 2 (RMP-2) Road Asset Needs Assessment World Bank Japanese PHRD Grant based in Vientiane

Laos

Responsible for Transport Planning and Economics Aspects of Road and Bridge Needs Assessment using RMS and HDM models. Component B.

Project Report subsequently accepted by the Ministry and the World Bank.

**57. September
2003- April 2004**

Senior Economist, Inter Island Transport Project, ADB based in Jakarta

Indonesia

Study of Aviation and Sea Transport Modes for Eastern Indonesia. Reviewed current Aviation and Shipping deregulation policies and made traffic forecasts for both modes. Managed screening of Project Longlist using MCA. Reviewed Shipping Port and Aviation Pricing and Tariff Policies and Sub Sector Regulation.

Derived Sea Passenger and Freight Forecasts for ports in Eastern Indonesia. Undertook vessel forecasts and assessed operational requirements for passenger and freight vessels. Responsible for economic evaluation of Balikpapan, Jayapura and Manokwari Ports and Ternate and Sorong Aviation projects for ADB and MoC. Investigated Port sub-sector investment proposals. Review of port development including PPP arrangements. Responsible for justification of rate adjustment mechanisms for Ports sub-sector.

**56. June -
December 2003
(intermittent)**

Senior Financial Sector (PSP) Specialist, Masterplan Study, EU based in Paramaribo

Suriname

Responsible for review of finances and forward subsidy requirements for all main Transport Sector Institutions and SOE's, as part of Transport Masterplan Preparations. Made policy recommendations for business restructuring of major Transport Authorities

Made policy recommendations for business restructuring of major Transport Authorities (Railway, Ports, Airports, Surname Airlines and other key sector institutions such as Road Fund, National Bus Company, etc. Specific analysis of commercial bus and trucking operations and development of recommendations for improvement, working with trade and industry associations.

Investigated Port sub-sector investment proposals, intermodal requirements and investment needs.

- 55. June - July 2003**
Viet Nam
Economist, Assessment of economic/ poverty impacts of rural transport projects, DFID based in Hanoi
Provision of short-term inputs to DFID study of poverty aspects of road improvements.
- 54. April - September 2003 (intermittent)**
Mozambique
Economist, Feasibility Study for Limpopo River Bridge, NDF based in Maputo
Feasibility study to determine the scope for a replaced Limpopo River crossing; Evaluation of economic alternatives. Reviewed mineral sands development potential and Greater Limpopo (Kruger) Park Tourism potential as part of traffic forecasts. (Some work in Portuguese language). Responsible for developing mechanisms for cost recovery for the alternative bridge investment proposals.
- 53. April September 2003 (intermittent)**
Croatia
Economist and Financial Specialist, Feasibility Study for Port of Rijeka Expansion, World Bank based in Rijeka
Provision of Economic and financial evaluations for all aspects of new port facilities, focusing on new passenger terminal development and Zagreb Pier (deep-water berth) extensions. Investigated development options for improved road and rail access. Reviewed Port /Rail development Concession Agreements.
- 52. February 2003- March 2004 (intermittent)**
Russia
Management Economist/ M&E Specialist, Assistance with Monitoring, Systems and Quality Management, EBRD based in Moscow
Phase I Cost Benefit Analysis of Management systems for Network Performance and Monitoring. Undertook MCA / Cost effectiveness assessment of appropriate systems for Network Performance and Monitoring, Quality Management and Information Systems.
- 51. December 2002 - March 2003**
Cambodia
Economist, Roads Improvement Study, UN ILO [Direct Appointment] Cambodia based in Siem Reap
The Cost Effectiveness (CE) analysis was adopted for periodic maintenance and rehabilitation for all rural roads selected for the First Year Work Programme (FYWP). The evaluation of periodic maintenance works was undertaken using the simplified cost-effectiveness model used in World Bank financed projects in Andhra Pradesh, India and in Vietnam. The Ministry of Rural Development (MRD) implemented the FYWP roads components for Tertiary Roads. Project completed and accepted by ILO and the Client Ministry.
- 50. September 2002- September 2003 (intermittent)**
Vietnam
Institutional Specialist, Urban Masterplan and Feasibility Study, JICA based in HCMC
Review of Existing Organisational and Administrative Arrangements. Elaboration of Specific Institutional Arrangements for Alternative Urban Development Scenarios, including MRT, including preparation of proposals for urban transport regulator. Formulation of appropriate Specific Administrative Arrangements for the Selected Masterplan Elements. Specific focus on improvements for urban and inter-urban bus operations, urban rail and MRT development.
- 49. October 2002 May 2003 (intermittent)**
Vietnam
Administration / Institutions / PPP Finance Specialist, Transport Sector Review Study, JBIC based in Hanoi
Review of existing organisational and administrative arrangements in financing in Rail, Roads and Ports sub-sectors. Elaboration of specific institutional arrangements for future JBIC support and investment to Private and Public sectors in Transport sector.
- 48. June - October 2002 (intermittent)**
Kazakhstan
Development Economist, Road Sector Development Programme, EBRD based in Astana and Almaty
Full Economic and Financial Evaluations for the RSDP Including Pre-Feasibility Study

of Aktau-Atyrau Road Involving Projection/ Evaluation of Oil (Tenghiz) and Gas (Kashagan) Field Development and Forecasts; Preparation of a Second Improvement Project. Responsible for developing mechanisms for cost recovery for the investment proposals. Project Completion aspects (report/detail discussions).

**47. July 2002-
April 2003
(intermittent)**

Armenia

Economist, Highway and Urban Accident Study, World Bank based in Yerevan

Provision of Economic and Financial Evaluations of Black spots, assembly of a small Investment Programme, Accident Cost Estimation and Road Safety Economic Appraisals. Carried out economic analysis of road safety improvement along the main national highways (corridors) into Yerevan.

Carried out economic analysis of road safety improvements at key urban intersections including costing of fatalities and measures aimed at separating pedestrian and vehicular flows. Project completed and accepted by World Bank and the Client Ministry.

Economist, Rural Transport Development Programme Preparation, World Bank based in Dhaka

**46. March -
November 2002
(intermittent)**

Bangladesh

Provision of Economic and Financial Evaluations for Feeder Roads, Growth Centre Markets, Ghats (Jetties) and Flood Refuge Centres (US\$ 220 Million).

For low volume roads (less than 50 vpd) proposed a cost –effectiveness model to be applied on 39 links in four provinces (methodology developed by the World Bank in Andhra Pradesh India and in Vietnam). Project completed and accepted by World Bank and the Client Ministry.

**45. November -
December 2001**

Viet Nam

Development Specialist, Preparations for National Planning and Investment Conference, Hanoi, JBIC based in Hanoi

Donor survey of Japan's (JBIC & JICA), World Bank, Asian Development Bank, AusAID, UK DfID, DANIDA, GTZ, FRANCE (ACF), CIDA, EU and other multilateral and bilateral donors in Viet Nam and preparation of Briefing Paper/Report in advance of the December 2000 Donor Conference. Particular focus on inclusion of investment projects within the Sector and the establishment of project databases.

**44. June 2001-
January 2002
(intermittent)**

**Russia &
Denmark**

CBA/ Finance and Maritime Economist, Port Development Project, EU TACIS based in Kaliningrad

Economic and Financial Evaluations for all Aspects of New Container Port and Existing Port Project Development and Maritime Restructuring. Forecasting of Future Revenue Streams for each Sub-Project Investment.

**43. February -
July 2001
(intermittent)**

Malawi

Sector Evaluation Mission Member, EU EDF based in Lilongwe

Jointly responsible for Evaluation Mission of the EU's Road Sector Management Programme in Malawi. Review of EU's development sub projects, delivery system and grant conditions. Pre and Post Mission briefings in Brussels.

Project Evaluation Report accepted October 2001 by Client and the EU.

**42. 2000- 2001
(intermittent)**

Armenia

Economist, Bridge Rehabilitation Study, World Bank based in Yerevan

Provision of Economic and Financial Evaluations of Bridge improvement programme.

Carried out economic analysis of bridge improvements throughout Armenia. Project completed and accepted by World Bank and the Client Ministry.

Development Economist, Pre-Feasibility Study, EU based in Sweden

**41. January - July
2001
(intermittent)**

**Dominican
Republic**

Minor Project Backstopping inputs on appraisal. EU Mine sector support programme in Dominican Republic. Development of a prioritized programme of rehabilitation and maintenance of mine access roads, in four regions.

**40. June 2000-
January 2001
(intermittent)**

Albania

M&E Specialist / Management Specialist. TA Ministry of Economic Co-operation and Trade, UNDP based in Tirana

Guidance on identification, formulation, monitoring and appraisal of investment projects (for Ministry of Economic Co-operation and Trade) at the Ministry of Public Works (Urban Land Management, Urban Community Development, Land Titling, Water Supply

and Sewerage and Urban Infrastructure projects) and the Ministry of Transport (projects involving cross border projects: Durres port development, Kosovo, Macedonia, Montenegro, Greece and Italy).

- 39. May 2000-
January 2001
(intermittent)**
Vietnam
- Senior Economist Major Port Planning - Hai Phong Port Rehabilitation Project, Second Phase JBIC based in Hanoi and Hai Phong**
- Provision of Traffic Forecasts and economic and Financial Evaluations for all Aspects of Phase II, the Extension of the Existing Container Port Facilities and the Improvement of the Port Access Channel, using the UN ESCAP Model.
- 38. May 2000**
Viet Nam
- Economist, RT2 Project, World Bank based in Hanoi**
- Provision of short review paper on Costing Models plus contributions to a brief Project Evaluation model critique.
- 37. April 2000**
Laos
- Economist, Panam Boulapha Study, Sida based in Vientiane**
- Very short input to provide traffic forecasts and outline economic evaluations for Road & Bridge improvements within Khammauane Province, a rural area of Laos.
- 36. January -
March 2000**
Vietnam
- Senior Economist Planner, Preparation of a Regional Development Strategy for the Central Region of Vietnam, ADB based in Hanoi**
- Technical Advice and Support to the Study Team within the Ministry of Planning and Investment. Provided Inputs concerning Provincial Network Development and Investment Strategy within the Central Region, with Reference to Improving Access to Tourism Sites/ agricultural projects.
- 35. May -
December 1999**
Vietnam
- Head, Project Preparation Team, RTP2 Rural Project Preparation Team, PMU 18, World Bank/ DFID based in Hanoi**
- Technical Advice and Support to the Project for Transport Economic aspects in RTP2 regions of Vietnam. Prepared Documentation and Justification of the Proposed RTP2 Programme to meet the requirements of the World Bank, UK DFID SEA Thailand and the Government of Vietnam.
- 34. September -
October 1998**
Vietnam
- Senior Economist Hai Phong Port Rehabilitation Project – First Phase, OECF Japan based in Hanoi**
- Provision of Revision of Earlier Traffic Forecasts and Rerun of Economic and Financial Evaluations using UNDP ESCAP Model.
- 33. September -
December 1998**
**Ethiopia [& Cote
D’Ivoire]**
- Economist, Sector Project Preparation to Ethiopia [& Cote D’Ivoire], AFDB / Sida based in Addis Ababa and Abidjan**
- Developing Terms of Reference for Road Sector Project Feasibility Studies. Provision of Inputs to Aide Memoire, BTO Report, Presidents Report and ToR’s in Abidjan.
- Project Identification/Formulation Report accepted by the Client and Sida.
- 32. June-
December 1998
(intermittent)**
**Burkina Faso,
Ghana & Togo**
- Economist, Feasibility Study of Two Cross Border Road Projects Connecting Togo and Ghana and Burkina Faso and Ghana Respectively, AFDB based in Accra, Ouagadougou and Lome**
- Conducted Field Surveys and Visits to MTP (Ministères Travaux Publiques). Prepared Vehicle Operating Cost Model. Provision of Traffic Forecasts and Assessed Developmental Benefits. Co-ordinated Regional Development Aspects of the Trans West Africa Highway. Study of Takoradi port.
- 31. May - June
1998**
Romania
- External Evaluator / Procurement Expert, Tender Evaluation for PHARE Ministry / European Commission, PHARE based in Bucharest**
- External Evaluator for a Large Procurement Tender. Assisted in Obtaining Acceptance of Tender by MOT and the EU.
- 30. March - April
1998**
- Investment Specialist, EU TACIS based in Kaliningrad**

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| Russia | Transport Aspects of the Special Enterprise Zone, Kaliningrad - EU TACIS. Investigated Improvement of Road and Rail Crossing Facilities. Co-ordinated Brief (railway) Border Crossing Investment Proposal for <i>Kaliningrad Information Days</i> Investors Conference. |
| 29. February– March 1998 | Economist, Port of Lüderitz Development Project - Project Appraisal Mission for DANIDA based in Lüderitz |
| Namibia | Developed Previous EIB Financial Appraisal of Port Expansion Plans. |
| 28. December 1997- March 1998 | Senior Economist, Cai Lan Port Expansion Project, OECF Japan based in Hanoi |
| Vietnam | Provision of Traffic Forecasts Economic and Financial Evaluations for Three New Berths. (One Container and Two General Cargo Berths) using the UN ESCAP Model. |
| 27. November 1997 – June 1998 (intermittent) | Economist/Financial Specialist, Ministry of Railways, EU PHARE based in Tallinn |
| Estonia | Responsible for traffic forecasting, economic and financial evaluation, and inputs to Feasibility Studies. Proposed PPP Investments in New Trackwork and Station Facilities and recommended a Locomotive Traction Study. Reviewed forecasts and tariffs for the Port of Tallinn in relation to recent trends and future development prospects of the Russian rail transit traffic market. |
| 26. January - October 1997 (intermittent) | Team Leader/ Economist, 1st World Bank Highway / Bridge Sector Programme in Siberia and the Russian Far East (Based In Irkutsk) World Bank |
| Russia | Undertook traffic forecasting and Feasibility Studies. Involved in the Development of a Bridge Evaluation Model for Siberia in Conjunction with Russian Consultants and World Bank Advisors; Appraised Improvement Options for over 200 Bridges within Siberia. Developed an Investment Programme accepted by the World Bank. |
| 25. January - April 1997 | Team Leader, Promotional Aspects of the Special Enterprise Zone, Kaliningrad, EU TACIS based in Kaliningrad |
| Russia | Led Small Team. Prepared an Action Plan, Maintenance Planning and an Investment Programme. In-depth study of commercial bus and truck operations including formulation of targeted investment programmes and promulgation of institutional and legal recommendations to foster road transport industry development. Working with trade and industry associations. Conducted fleet analysis by vehicle type and age. |
| 24. December 1996-November 1997 (intermittent) | Economist, Financial Analyst, Takoradi Expressway Extension Feasibility Study and Agoni Bypass Study, DANIDA based in Accra |
| Ghana | Full Economic and Financial Feasibility Study for proposed Toll road. Responsible for development of Tolls and justification of rate adjustment mechanisms. |
| 23. December 1996 – February 1999 (intermittent) | Resource Person/ Member Transport Sector Identification, Pre- Appraisal and Appraisal Missions, World Bank based in Antananarivo |
| Madagascar | Provision of Traffic Forecasts. Design of a Prioritized Road Sector Investment Programme across Primary, Secondary and Tertiary Networks, Suitable for Donor Support. (US\$ 50 Million). Recommended Capacity Building Actions for Achieving Sustainable Road Networks in the Medium Term. Study of Ambilobe sugar port. |
| 22. October 1996- October 1997 (intermittent) | Economist, Ministry of Transport, Kampala, Uganda & Accra, Ghana, AFDB based in Kampala and Accra |
| Uganda & Ghana | Preparation of Road Sector Feasibility Studies and Prioritization of Road Sector Investments Using World Bank HDM Model/Multi-Criteria Analyses. Supervised Analyses of Stated Preference and Willingness-To-Pay Surveys. |
| 21. July - September 1995 | Deputy Project Manager/ Economist, 1st Rural Roads Development Programme, World Bank based in Hanoi |
| Vietnam | Identified Prioritized Rural Road Networks in North, Central and South Vietnam. Undertook Extensive Fieldwork in Several Study Visits. Defined and Implemented a |

Data Collection System whereby Local Statistical Information on Population, Agricultural Production, Traffic, etc. was centrally collated from the 70 Districts for analysis. Supervised Socio-Economic Analyses with a Focus on Poverty Alleviation and Stimulation of Rural Employment. Prepared a Rural Investment Programme of Low Volume Roads. Accepted by the Bank.

- 20. November 1994- July 1996**
Bulgaria
PHARE Programme Manager, Procurement Expert MoT, Sofia, EU PHARE based in Sofia
Responsible for Day-To-Day Operations of the PMU and for Implementation of National, Regional and Sub-Regional Sector Programmes for all Modes. Technical and Economic Feasibility Analysis of Projects and Preparation of the Tender and Contract Process.
Responsible for Programme Management and I.A. Tender and Contract Procedures for Technical Assistance, Works and Supply Contracts, including for assistance to restructuring of BDZ (Bulgarian State Railways). (Minimum 10 TA and Supply Contracts successfully tendered). Review of Port of Lom and Rouse studies. Co-author (and Presenter) of a Paper to the PTRC annual conference in UK
- 19. September - October 1994**
Cameroon
Economist, Rural Infrastructure, SOWEDA Rural Roads Project, AFDB based in Buea and Yaounde
Preparation of Technical and Financial Project Proposal for the Project. Field Visits to Project Sites near Buea on Slopes of Mount Cameroon.
- 18. August - September 1994**
Ethiopia
Economist, Project Formulation Mission, Simien Mountains, UNCDF based in Addis Ababa and Simien
Assisted UNCDF to formulate a 7.0 Million US\$ Low Volume Road Programme in the Northern Highlands of Ethiopia (Altitude 3- 4,000 M), Prepared traffic forecasts and developed an Operating Cost Model.
Project Formulation Report accepted by the Client and UNCDF.
- 17. June - August 1994**
Ethiopia
Economist/ PADEP Project Re-Programming Mission, Shewa, EU EDF based in Addis Ababa
Assisted EDF to re-programme the PADEP Programme in the Shewa Province. A major re-emphasis in road construction was proposed. Project Re-Programming Report accepted by the Client and the EU.
- 16. January- July 1994**
Pakistan
Economist, ADB 3rd Farm to Market Roads Study, Islamabad - Ministry of Local Government and Rural Development, ADB based in Islamabad
Overview of Governments Transport Policy for all Modes and for Policy Dialogue. Provision of Subsector Policy Advice to Government / the ADB. Review of scope for development of inland 'Dry Ports' in proximity to main rail trunk network (Lahore/Karachi). Responsible for planning and economic appraisal for a low volume Farm-to-Market Roads Programme.
- 15. October 1993- October 1994 (intermittent)**
Latvia
Investment Planning Advisor, Technical Assistance to MoT, Riga, EU PHARE based in Riga
Provision of Investment Planning and M&E Advice to PHARE Programme. Established an Outline Computerized MIS System to Categorize and List Project Proposals; assisted in the Formulation of a Three Year Investment Programme. Review of reorganisation of Latvian Railway services.
- 14. January - September 1993**
Lithuania
Investment Planning Advisor, Technical Assistance to MoT, Vilnius - EU PHARE based in Vilnius
Provision of Investment and Policy Advice to PHARE Programme. EU PHARE. Assisted in a Review of Investment Plans. Established a Computerized System of Investment Programming and Drafting of ToR's for TA in Conjunction with European Commission's Aid Co-Ordination Unit. .
- 13. June - December 1992 (intermittent)**
Bhutan
Economist, UNCDF based in Thimphu and Tashigang
Project Formulation Mission, Thimphu and Tashigang. Formulated an Investment Programme of High Altitude Low Volume Roads within the Eastern Region of Bhutan; Developed traffic forecasts and undertook Socio-Economic Analysis.

Project Formulation Report accepted by the Client and UNCDF.

**12. September
1992- October
1995
(intermittent)
Bangladesh**

Team Leader, Urban Transportation Study, UNCHS based in Chittagong

Preparation of a Long-Term Transport-Planning Strategy for the Chittagong Port City. Prepared Inputs to an Immediate Action Programme. Estimation of Increased Revenue from New Funding Sources and Realistic Assessment of Scope for Increases in Existing Toll and Tax Revenues. Review of operators associations for urban road passenger transport, trucking operations and water transport services. Conducted fleet analysis by type and age. Review of costs and tariffs.

Supervised sub-regional rail transport study (development of suburban and regional rail and bus services). Supervised port access study.

**11. March-April
1992
Guyana**

Team Leader, Pre-Feasibility Demerara Harbour Crossing, EC based in Georgetown

Led a Consulting Team in Pre-Feasibility Study to Determine the Scope for a Future Demerara Harbour Crossing; Evaluation of Economic Alternatives; Financial Analysis and Establishment of Future Toll Levels based on Willingness to Pay. Evaluation of Investment options. Responsible for developing mechanisms for cost recovery for the alternative bridge investment proposals.

**10. January - May
1992
Ethiopia**

Economist / Peasant Agriculture Development Project (PADEP), Addis-EU EDF based in Addis Ababa

Assisted EU EDF to formulate a 30.0 Million US\$ Road Construction Programme in Shewa Province; undertook extensive fieldwork, undertook traffic forecasting and prepared all project economic and financial appraisals.

**9. January -
September 1991
Jamaica**

Economist: Rural Programme Feasibility Studies. Jamaica EU EDF based in Kingston

Undertook traffic forecasting, financial and economic analysis including the development of a Project Appraisal Model for the European Commission. Prepared a long-list of investment project proposals in conjunction with Ministry officials & Commission staff.

**8. July -
December 1990
Indonesia**

Transport Analyst, World Bank based in Jakarta

Establishment of highway inventory and maintenance MIS systems for Jakarta

**7. June 1986-
June 1990
Indonesia**

Project Monitoring Systems Specialist: 1st & 2nd World Bank Rural Development Programmes, World Bank based in Jakarta

Developed and implemented a countrywide rural roads progress and benefit monitoring system. Within a Project Management Unit, provided Management and Project Monitoring advice for World Bank US\$ 190 million rural investment programme. Designed reporting and data collection /transfer systems and protocols for 43 kabupaten (districts) in eight IBRD provinces of Sumatra, Java, Kalimantan, NTT and Sulawesi. Established consultants monthly and annual reporting systems including physical and financial progress monitoring systems.

**6. January - May
1986
UK**

Transport Planner: West London Relief Road Study and West London Assessment Study based in London

Development of Forecasts, all surveys and review of road transport operations for the West London Relief Road Study and West London Assessment Study, UK's Ministry of Environment, Department of Transport, England.

**5. June 1985-
January 1986
Taiwan**

Transport Planner: Mass Rapid Transit (Metro) System, Taipei based in Taipei

Mass Rapid Transit (Metro) Systems Planning for the Tamshui Line, Taipei, Ministry of Communications, Taiwan. Public Transport Modelling and project Feasibility assessment. Following acceptance of Feasibility Study Report, Project was

subsequently implemented.

**4. January 1984 -
May 1985**

UAE

Transport Planner: Al Ain Masterplan Study based in Al Ain

Provision of traffic forecasts, accident Blackspot analyses, strategy development and project appraisal.

**3. July -
December 1983**

UK

Transport Planner: Industrial Estate Study – Department Of Transport based in London

The Traffic Generation Study involved the estimation of the traffic generated by industrial estates within the UK and Northern Ireland. This entailed preliminary site investigation in advance of surveys 58 industrial estates in England, Wales, Scotland and Northern Ireland.

**2. June 1982-
May 1983**

Iraq

Transport Planner: Baghdad Comprehensive Planning Study based in Baghdad

Responsible for public transport modelling and planning aspects of the land-use transportation plan for Baghdad, in particular strategy development and the evaluation of public bus and rail systems. Undertook a detailed operational appraisal of the proposed metro/rail system. Assessment of the future role of regional bus services. Assistance to cartographical (tourist) map for Baghdad.

**1. October 1979-
May 1982**

Ireland

Transport Planner: Dublin Transport Studies based in Dublin

Dublin Transportation Authority contract to study public transport (road/rail) priority. Co-author of paper presented to Cork Planning Association.

LANGUAGES:

| Languages: | Speaking | Reading | Writing |
|-------------------|-----------------|----------------|----------------|
| English | Excellent | Excellent | Excellent |
| French | Fair | Good | Poor |
| Spanish | Fair/ Poor | Fair | Poor |