Welcome to the 1992 annual report, the second for the Institute of Transport Studies.

The summary of ITS' activities in 1992 contained in this report reinforces my belief in the importance of ITS. Over the last year, ITS has been active in both research and education, across a wide range of transport and related issues. It has provided relevant training and education in transport management at a variety of levels and engaged in valuable, practical research and consulting which has been communicated to a wide audience through extensive publications and participation at conferences and seminars.

Through their research and educational activities, the staff of ITS are striving to fulfil the objectives of the Institute and improve the quality of management within the transport industry. The support the Institute receives from a wide range of individuals and organisations demonstrates that ITS is a valuable resource for the transport industry.

ITS has grown quickly in its first two years of operation, and 1993 will be a year for consolidation, building on the strong foundations already established. I look forward to your support and involvement in 1993, which are essential for the continuing success of the Institute.

_Paul Brown_  
Chairperson  
ITS Advisory Committee
# CONTENTS

1. OVERVIEW ......................................................... 2  
   Highlights of 1992

2. BACKGROUND ..................................................... 3  
   Objectives of ITS and international links

3. STAFF ............................................................. 4  
   ITS staff members

4. FINANCIAL STATEMENT ....................................... 6  
   Income and expenditure in 1992

5. RESEARCH ACTIVITIES ....................................... 7  
   Description of research projects

6. EDUCATION ....................................................... 11  
   Educational activities at ITS

7. OTHER ACTIVITIES ............................................... 15  
   Other activities

8. PUBLICATIONS .................................................... 16  
   Publications by staff

9. PARTICIPATION .................................................. 22  
   Participation at conferences, seminars and other functions

10. POSITIONS ......................................................... 27  
    Professional positions of responsibility held by staff

11. VISITORS ......................................................... 29  
    Eminent visitors to ITS

12. ADVISORY COMMITTEE ......................................... 30  
    Members of the ITS Advisory Committee
1. **Overview**

The Institute of Transport Studies (ITS) was formally established in January 1991 within the Graduate School of Management and Public Policy. In March 1992, the Graduate School changed its name to the Graduate School of Business. The Institute is a research body complementing the transport management program offered within the Graduate School.

In 1992, ITS continued to meet its objectives in education and research. Highlights of 1992 included:

- Major new research projects: Non-motorised travel demand; PIMMS (Pricing and Investment Model for Multi-modal Systems); Shellharbour transport monitoring project
- Certificate of Transport Management: presentation dinner for pilot course graduates; first full intake of students
- Expansion of PhD program
- Transport management program end-of-year dinner for staff and students
- Short courses: Conjoint Methods short course with internationally renowned presenters
- Conferences: strong presence at 17th ATRF (Australasian Transport Research Forum); successful hosting of 14th CAITR (Conference of Australian Institutes of Transport Research)
- Publications: *Dimensions of Auto Demand* book; *TPW Policy Perspectives '91* book; extensive ITS Working Papers series
2. Background

The Institute of Transport Studies forms a link in a triangle of international ITS’s. ITS has a formal association with the Institute of Transport Studies at the University of Leeds and the Institute of Transportation Studies at the University of California (Berkeley and Irvine campuses).

The objectives of the Institute of Transport Studies are:

- To offer an interdisciplinary environment in which University and other specialists can join forces to address contemporary transport problems
- To undertake research, training and education in transportation with particular emphasis on economics, management, financing, planning and evaluation
- To encourage and provide the resources for graduate research study in transport
- To act as a focus within the University of Sydney for research in transport, co-ordinating projects, and providing a continuing basis of academic support
- To increase public interest in the subject, reinforcing the University of Sydney’s established name for excellence, and to develop sources of income for the Institute through the establishment of a series of coordinated short courses, sponsorships, consultancies and related activities
- To attract outside funding for research and for related activities, including scholarships, visiting and research associate programs, conferences and seminars
- To develop a publishing program to support the research initiatives in transport and to promote interdisciplinary contributions

ITS is guided by an Advisory Committee of experienced and knowledgeable people whose purpose is to assist in the determination of the Institute’s direction and priorities. The chairperson of the Committee is Paul Brown, formerly General Manager of TNT. The Advisory Committee met twice in 1992.
3. STAFF

David Hensher, BCom (Hons) PhD, FCIT MAPA CompIEAust MAITPM
Director, ITS
Professor of Management

Marcus Wigan, BA MA DPhil MBA, FCIT FIEAust
Professor of Management (fractional)
(from June)

Paul Hooper, BEcon (Hons) MTransEc, MCIT
Deputy Director, ITS
Senior Lecturer in Transport Management

Nariida Smith, BSc (Hons) PhD
Director, Transport Management Program
BCA (NSW) Senior Lecturer in Transport Management

Helen Battellino, BCom BA MTeC, MCIT
Lecturer in Transport Management

William Zhu, BSc MSc PhD
Research Fellow (from April)

Ian DeMellow, BCom (Hons) MTeC, MCIT
Visiting Rail Fellow

Frank Milthorpe, BSc
Principal Systems Analyst

Rhonda Daniels, BSc (Hons)
Research Analyst

Timothy Raimond, BSc (Hons)
Research Analyst (from March)

Dariel Bieshaar
Administrative Co-ordinator (from February)

Vibeke Worsoe
Administrative Co-ordinator (to February)
Ruth Tobin, BEc
Administrative Assistant (from June)

Sharyn Clarke
Administrative Assistant (to March)

Colette Vella
Administrative Assistant (part-time) (from May)

Rune Woodman
Administrative Assistant (part-time) (from October)

Visiting Staff

Michael Beesley, CBE, BCom PhD
Visiting Professor (London Business School)
(December 1991 - February 1992)

William G. Waters II, BA MA PhD, MCIT
Visiting Professor (University of British Columbia)
(August 1992 - March 1993)
### 4. Financial Statement

ITS has developed its own accounting system to monitor all income and expenditure by project, account and item. The spreadsheet system provides up-to-date summaries of ITS finances, allows University statements to be checked easily and incorporates budget planning. The following statements refer to the calendar year 1992.

#### Income

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research and consulting:</td>
<td></td>
</tr>
<tr>
<td>Australian Research Council grants</td>
<td>$101,600</td>
</tr>
<tr>
<td>Contract research</td>
<td>$144,803</td>
</tr>
<tr>
<td>Educational activities (1)</td>
<td>$373,610</td>
</tr>
<tr>
<td>Donations</td>
<td>$50,688</td>
</tr>
<tr>
<td>Other income</td>
<td>$115,429</td>
</tr>
<tr>
<td>Income from 1991 activities</td>
<td>$56,525</td>
</tr>
<tr>
<td><strong>Total income</strong></td>
<td><strong>$842,655</strong></td>
</tr>
</tbody>
</table>

#### Expenditure

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labour:</td>
<td></td>
</tr>
<tr>
<td>Permanent staff</td>
<td>$227,763</td>
</tr>
<tr>
<td>Phd scholarships</td>
<td>$29,932</td>
</tr>
<tr>
<td>Contract labour</td>
<td>$26,592</td>
</tr>
<tr>
<td>Project related expenditure</td>
<td>$83,893</td>
</tr>
<tr>
<td>Non-project related expenditure:</td>
<td></td>
</tr>
<tr>
<td>Computer hardware and software</td>
<td>$43,385</td>
</tr>
<tr>
<td>Travel and conferences</td>
<td>$38,120</td>
</tr>
<tr>
<td>Other</td>
<td>$196,668</td>
</tr>
<tr>
<td>Contribution to overheads</td>
<td>$12,250</td>
</tr>
<tr>
<td>Commitments/provisions</td>
<td>$184,052</td>
</tr>
<tr>
<td><strong>Total expenditure</strong></td>
<td><strong>$842,655</strong></td>
</tr>
</tbody>
</table>

Note:
1. Income from transport management program students is excluded, as the statement is for ITS only.
5. **RESEARCH ACTIVITIES**

*Non-motorised travel demand*

The Roads and Traffic Authority of NSW is funding a $140,000 research program over 3 years to examine current pedestrian and cyclist activity and future needs in this area. Funding for the program includes a Professor (fractional position), Marcus Wigan, and a PhD scholarship which was awarded in October to Roderick Katz. The project will provide valuable information on pedestrian and bicycle needs in NSW and produce a model on non-motorised travel demand. Lack of information is currently a hindrance to the RTA in making provision for pedestrians and cyclists. The project was formally launched in September by the Hon. Wal Murray, Deputy Premier of NSW and Minister for Roads, at a function attended by Mrs Daphne Kok, Deputy Chancellor of the University of Sydney.

The first stage of the project, an audit of available data, its use and value, is well underway. A survey of all local government areas in Sydney and a series of in-depth interviews with experts have been completed.

*Shellharbour transport monitoring*

ITS has been contracted for 18 months to monitor the implementation of demand-responsive bus services (call-buses) which complement the regular bus services in a non-metropolitan urban area. The research involves monitoring patronage and revenue, on-board bus surveys and non-user surveys to determine reactions to the innovative service, financial assessment, and documentation of the demonstration program.

A computerised patronage analysis system for electronic ticketing systems (PASET) has been developed by ITS and a report on the first phase of the service operation has been completed.

**PIMMS (Pricing and Investment Model for Multi-modal Systems)**

PIMMS is a major Australian Research Council funded project over 3 years to develop a new system to improve the current procedures for assessing and evaluating transport infrastructure projects. Funding provides for a Research Fellow, Dr William Zhu, who was appointed in April. The new approach to evaluation will emphasise and incorporate individual level travel decision-making, rather than
follow the traditional four step modelling approach. An important aspect of the project is the inclusion of the costs of externalities into the evaluation process and the development of valuation functions for externalities.

A literature review is currently underway on methods of valuing externalities associated with transport infrastructure projects. A transport network for Sydney has been acquired to enable the new system to be tested as it is being developed.

**Economic appraisal in Papua New Guinea**

Paul Hooper acted as a transport economist on a World Bank funded project on evaluation of urban transport projects in Papua New Guinea. This involved a two month visit to PNG for Paul. David Hensher also visited PNG for one week in February to give advice on economic appraisal methods and training programs for PNG Department of Transport personnel.

**Aviation Industry in Nepal**

Paul also visited Nepal for 4 weeks to work on a domestic civil aviation study involving airline economics and a cost-benefit analysis of proposals to improve Nepal’s domestic aviation industry. The project was funded by the Asian Development Bank as part of ongoing initiatives to improve Nepal’s ability to earn more from tourism.

**Tourism roads in New Zealand**

The New Zealand Ministry of Tourism commissioned ITS to conduct a short term project on quantifying the benefits of road improvements to tourism, for incorporation into project evaluation procedures. The report recommended improvements to current procedures to better value the benefits to tourism, ensuring that projects important to the tourism industry will be evaluated more appropriately. The report also outlined a long term research program to improve knowledge in this field.

**Valuation of travel time savings**

Jointly with two New Zealand consultants, ITS undertook a review of the theoretical and empirical literature on valuation of travel time savings producing guidelines on practice in New Zealand.
**Route choice evaluation**

A route choice evaluation kit has been prepared for Statewide Roads to allow road users to calculate the benefits of using the new M4 motorway, taking into account vehicle operating costs and travel time savings for the M4 and alternative routes. Two versions of the kit, a 6-panel A4 coloured brochure, were prepared: one for cars, and one for trucks. The brochure is accompanied by a research report explaining the derivation of the travel times and costs used.

**Bus priority systems**

ITS has prepared a strategy paper for the NSW Department of Transport to assess the role of bus priority systems in urban areas. A literature review was carried out to learn from international experience with bus priority schemes and guidelines were developed to help establish when bus priority systems are an appropriate public transport strategy.

**Urban public transport demand model**

The Australian Research Council is funding research to develop a dynamic model of urban public transport demand. A methodology paper has been prepared and work has commenced on data evaluation.

Projects continuing from 1991...

**Bus cost and revenue models**

The aim of this project for the State Transit Authority, the government bus operator, is to provide management with a better understanding of the costs of providing services at the route level, and link costs to the revenue earned from each service. This will enable the profitability of each bus route to be determined, and aid in negotiations over community service obligation payments. The cost and revenue models being developed will help management make more informed decisions, as they will understand the costs at the level at which services are provided.

**Productivity of Australian railways**

A major research study into the productivity of Australia’s public railways was completed in 1992. The study calculated total factor productivity measures for the railways in 5 states of Australia over a twenty year period from 1971/72 to 1990/91. The project involved substantial data compilation on the various inputs the railways use.
and their outputs, and a range of explanatory factors. The results confirmed the important contribution of good management and technological change to growth in productivity.

**Trans-Tasman shipping**

ITS assisted in the Bureau of Transport and Communications Economics' study into trans-Tasman shipping through survey administration, data processing and analysis. The work of ITS has been included in a report produced in March 1992 by the BTCE.

**Research reporting**

During 1992, ITS completed information requests on past and present research projects to be included in several databases. Information was supplied to the Australian Road Research Board for the IRRD database, to the Bureau of Transport and Communications Economics for its transport and urban environment database and to the Australian Rail Industry Advisory Council for a rail economics research database.
6. Education

Certificate of Transport Management (CTM)

The CTM course was established by the Graduate School of Business in conjunction with the Bus and Coach Association as part of the managerial training standards required for all accredited bus and coach operators under the NSW Passenger Transport Act of 1990. The course consists of 6 weekends of lectures at the Graduate School of Business.

The initial intake of students for the pilot Certificate of Transport Management course successfully completed the course in 1992 and received their Certificates at a presentation dinner in July. The first full intake of 42 students was in March 1992 with a second intake of 45 in May. Two courses will again be offered in 1994 which are currently fully booked. The waiting list extends into 1995.

Transport management program

The Transport Management program at the Graduate School of Business includes the Master of Transport Management and the Graduate Diploma of Transport Management. In 1992, there were 75 students in the program. Students in transport management benefit from ITS research and expertise through the following courses:

Semester 1:
- Transport Economics and Management
- Transport Planning and Evaluation Methods
- Transport Policy Workshop
- Logistics and Distribution Management
- Quantitative Analysis

Semester 2:
- Marketing Research Methods and Analysis
- Tourism Management
- Transport Policy Workshop
- Transport Strategy
- Urban Public Transit Management

ITS received several scholarships in 1992 to fund students in the transport management program. There were three special AIDAB
scholarships for transport education and two inaugural Orient Airlines Association scholarships for students to commence studies in 1993.

**Awards**

Awards for 1992 were presented at an end-of-year dinner attended by students, staff and members of the ITS Advisory Committee. The Chartered Institute of Transport prizes for the best students in the Master of Transport Management program were awarded to Kun Wan Ip (best first year student) and to Garry Saunders (best second year student). The Australian Institute of Transport Planning and Management prize for the most meritorious student in the Graduate Diploma program was awarded to Geoffrey Amos. The Institute of Transport Studies prize for excellence in full-time study was awarded to Leonard Regan.

*Calum Hutcheson,* a student in the Master of Transport Management program, won the 1992 HEC Enterprise Corporation National Young Professional Engineer of the Year award. The award is made to a professional young engineer for outstanding professional excellence and community involvement.

**PhD program**

ITS has a strong PhD program with 3 full-time and 6 part-time students in 1992. PhD research covers a wide range of transport management issues.

**Full-time:**
- Anne Lemaitre (1992) Airport performance management
- Michael Nyathi (1992) Network strategy in international aviation

**Part time:**
- Seu Cheng (1992) Airline deregulation/ destination choice
- Ian DeMellow (1991) Total Factor Productivity of the NSW passenger railways
- Paul Hooper (1991) Demand for packaged travel
- Vicki LePlastrier (1992) Airline carrier choice decisions
- Jerzy Mrowka (1992) Optimisation methods for fleet ownership and utilisation
- Salih Suileman (1992) Integrated land use and transport planning in Sydney
A PhD research day was held in August at which PhD students made presentations about their research. It provided a valuable opportunity for students and staff to meet each other and discuss topics.

In September, Anne Lemaitre, who received a PhD scholarship from the Federal Airports Corporation, travelled to Europe and interviewed managers of European airports, as well as airline representatives on performance evaluation of airports.

Several PhD scholarships were awarded in 1992, for commencement in 1993. Rod Katz, a student in the Master of Transport Management Program, was awarded a PhD scholarship by the Roads and Traffic Authority of NSW to investigate demand for non-motorised transport in urban NSW. The scholarship is part of a three year research program at ITS into non-motorised transport which is being funded by the RTA.

Also commencing in early 1993 are Ajay Nayyar, a student in the Masters program, who was awarded an overseas student PhD scholarship, and Rhonda Daniels who received an Australian Postgraduate Research Award PhD scholarship.

Transport Policy Workshop

The success of the Transport Policy Workshop weekly forum, a subject in the transport management program, has continued in 1992. Leading transport industry professionals presented a range of industry perspectives to students and interested members of the public. The forum promotes discussion of current transport policy issues. A selection of papers is published in the annual TPW book.

Speakers at the Transport Policy Workshop in 1992 are listed on the following page.
**Semester 1**

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prof. Peter Newman</strong></td>
<td>Murdoch University</td>
</tr>
<tr>
<td><strong>Dr Gavin Donald</strong></td>
<td>General Manager Pricing Strategy, RTA</td>
</tr>
<tr>
<td><strong>John Crowe</strong></td>
<td>Industrial Liaison (Engineering), UTS</td>
</tr>
<tr>
<td><strong>Gareth Grainger</strong></td>
<td>General Manager Special Policy, SRA</td>
</tr>
<tr>
<td><strong>Dr Phil Goodwin</strong></td>
<td>Transport Studies Unit, Oxford University</td>
</tr>
<tr>
<td><strong>Garry Brack</strong></td>
<td>Executive Director, Employers’ Federation of NSW</td>
</tr>
<tr>
<td><strong>Peter Rocke</strong></td>
<td>President, Australian Road Transport Federation</td>
</tr>
<tr>
<td><strong>Dr Derek Scrafton</strong></td>
<td>Director-General of Transport, SA</td>
</tr>
<tr>
<td><strong>Gordon Amadee</strong></td>
<td>Chair, National Road Transport Commission</td>
</tr>
<tr>
<td><strong>Rod Gilmour</strong></td>
<td>Executive Director, Vehicle Transport Policy and Regulations, NSW Dept of Transport</td>
</tr>
<tr>
<td><strong>Capt. Richard Pocock</strong></td>
<td>Shipping and Distribution Manager, Tasman Pulp and Paper</td>
</tr>
<tr>
<td><strong>Prof. David Throsby</strong></td>
<td>Chair, Ecological Sustainable Development Committee</td>
</tr>
</tbody>
</table>

**Semester 2**

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Peter Ferris</strong></td>
<td>Economist, Australian Railways Union</td>
</tr>
<tr>
<td><strong>Dr John Brotchie</strong></td>
<td>Division of Building, Construction and Engineering, CSIRO</td>
</tr>
<tr>
<td><strong>Ken Dobinson</strong></td>
<td>Director, Dobinson and Associates</td>
</tr>
<tr>
<td><strong>Rodney Swan</strong></td>
<td>General Manager Special Projects, CRI</td>
</tr>
<tr>
<td><strong>Sandy White</strong></td>
<td>Planning Manager, Federal Airports Corporation</td>
</tr>
<tr>
<td><strong>Richard Kirwan</strong></td>
<td>Director, Urban Policy Associates</td>
</tr>
<tr>
<td><strong>Alan Watson</strong></td>
<td>Deputy Managing Director, TNT Australia</td>
</tr>
<tr>
<td><strong>Bob Cain</strong></td>
<td>Manager, BDW Aviation Services</td>
</tr>
<tr>
<td><strong>Col Hughes</strong></td>
<td>Manager, Northwest Airlines</td>
</tr>
<tr>
<td><strong>Prof. Stephen Salsbury</strong></td>
<td>Dean of Economics, The University of Sydney</td>
</tr>
</tbody>
</table>
7. Other Activities

Conjoint analysis workshop

Internationally renowned academics Professor Jordan Louviere (Universities of Utah and Alberta) and Professor Al Shocker (University of Minnesota) joined Professor David Hensher to present a four day workshop in conjoint analysis and discrete choice modelling at ITS in August. These are important techniques applicable in both transportation and marketing research. It was the first time a course of this nature has been offered in Australia. Participants welcomed the opportunity to learn of current developments in the field and gain practical experience in the use of software packages.

14th CAITR (Conference of Australian Institutes of Transport Research)

In December 1992, the Institute of Transport Studies hosted the 14th CAITR (Conference of Australian Institutes of Transport Research). The conference provided a valuable forum in which transport researchers and students presented their latest research. Over 50 researchers attended the two day conference. A number of papers were presented by ITS staff and students.

Transport modelling lectures

Professor David Hensher conducted a series of Advanced Transport Modelling lectures for the Transport Study Group within the RTA. The lectures were repeated for ITS staff and PhD students. A shortened program was delivered in New Zealand for the Auckland Regional Council in September 1992.

Secretariat for ATRF

Future administrative arrangements for the Australasian Transport Research Forum were discussed during the 17th ATRF in Canberra in October 1992. As a result, ITS now performs a Secretariat role for the Forum and has responsibility for distributing conference proceedings.
8. PUBLICATIONS

Books


The publication of Dimensions of Automobile Demand in early 1992 is a significant contribution to the literature. It is the culmination of years of research to develop joint models of auto ownership and use. The authors followed over 1000 households over 4 years and gathered information on all aspects of their automobile purchases and use, as well as developing a database on the characteristics of automobiles. The research reported in the book was primarily funded by the National Energy Research Development and Demonstration Program.


Policy Perspectives '91 is a collection of addresses given by leading professionals in the transport industry at the Institute of Transport Studies' weekly Transport Policy Workshop, a forum open to the public. The book also contains student reviews of the papers. The theme of the inaugural volume in the series, containing presentations given in 1991, is policies for change in Australian transport.

Note: * indicates non-ITS author

Journal articles


**Conference proceedings**


ITS Working Papers

Note that some conference and journal papers may initially be published as ITS Working Papers.

ITS-WP-92-1  Privatisation of Public Transit: Lessons from the Wider Experience (Hensher and *Beesley)

ITS-WP-92-2  Compass Airlines: 1 December 1990 to 20 December 1991 (Nyathi, Hooper and Hensher)

ITS-WP-92-3  Transport Planning, Markets and Government: Challenges for the Future (Hensher)

ITS-WP-92-4  The Use of Discrete Choice Models in the Determination of Community Preferences Towards Sub-arterial Traffic Management Devices (Hensher and Battellino)

ITS-WP-92-5  Urban Transport Directions: Challenges for Future Research (Hensher)

ITS-WP-92-6  Safety and Productivity in the Long Distance Trucking Industry (Hensher, Daniels and Battellino)

ITS-WP-92-7  A Comparative Assessment of the Productivity of Australia's Rail Systems 1971/72 - 1990/91 (Hensher, Daniels and DeMellow)

ITS-WP-92-8  Approaching a Dynamic Urban Transit Demand Model for Sydney (Altinoglu and Smith)

ITS-WP-92-9  Integrating Revealed Preference and Stated Response Data into a Jointly Estimated Hierarchical Mode Choice Model (Hensher)

ITS-WP-92-10 The Effects of Public Transport Changes in Rural NSW (Raimond and *Parolin)

ITS-WP-92-11 Selling Travel as Part of a Package - Implications for Transport Research

ITS-WP-92-12 Socially and Environmentally Appropriate Futures for the Automobile (Hensher)

ITS-WP-92-13 Developments in International Civil Aviation: What are Southern Africa's Strategic Options? (Nyathi)

ITS-WP-92-14 Single Aviation Markets and Contestability Theory: Getting the Policy Bearings Right (Nyathi)
ITS-WP-92-15 Estimating the Demand for Packaged Travel for a Proposed High-Speed Surface Transport System Using Stated Response Methods (Hooper)

ITS-WP-92-16 Patronage Analysis for Electronic Ticketing Systems (Zhu)

ITS-WP-92-17 Allocating Shared Costs in Financial Models (Milthorpe)

ITS-WP-92-18 The Timing of Change: Discrete and Continuous Time Panels in Transportation (Hensher and Raimond)

ITS-WP-92-19 Review of Panel Surveys and Other Longitudinal Techniques: An Annotated Bibliographic Review (Raimond and Hensher)

**ITS Research Reports**

ITS-RR-92-1 Productivity of Australian Railways 1971/72 to 1990/91 (Hensher, Daniels and DeMellow)

ITS-RR-92-2 Development of a User's Route Choice Kit for Statewide Roads M4 Study: Documentation of Design and Content (Hensher, Battellino, Raimond, Daniels and Kim)

**Project Reports**


Reports prepared for the Route Costing/Profitability project for the State Transit Authority:
- Report 1 Project Methodology and Data Systems, 21 February 1992
- Report 2 Route Resources, 3 April 1992
- Report 3 Payments to Traffic Operators, 1 May 1992
- Report 4 Unit Costs, 27 May 1992
- Report 5 Revenue, 10 August 1992

Reports prepared for the State Transit Authority:
- Comparison of Bus Route Service Provision and Minimum Service Levels, 12 June 1992
- Review of MIS Requirements for the AFC Project, 13 August 1992
- The Cost of Paying Traffic Operators, 28 August 1992
Reports prepared for the Shellharbour Transport Monitoring project:
  *Progress Report 1*, 9 June 1992
  *Progress Report 2*, 30 July 1992
  *Progress Report 3* was presented as ITS-WP-92-16
  *Progress Report 4 Translink Patronage and Revenue: The first two months*, November 1992


Accepted for publication


9. Participation

Conferences chaired

Planning, Coordinating and Funding Urban Transport (IIR Conference), Sydney, 9-10 April 1992 (Chair: Hensher)

Strategic Planning and Management (IIR Conference), Sydney, 17 August 1992 (Chair: Hensher)

Aviation Reform (IIR conference), Sydney, 22-23 September 1992 (Chair: Waters)

Papers and presentations

Australian HASTUS Users Group meeting, Sydney, 28 February 1992 (HASTUS is a well known, widely used Canadian computer package for scheduling buses)

“Transport planning and its effect on transport organisations (particularly scheduling procedures)” (Smith)

Australian Bus and Coach Association Conference, Burswood (WA), 5-9 April 1992
Key address “Privatisation of public transit: lessons from the wider experience” (Hensher)

Curtin University School of Economics and Financial Studies, 8 April 1992, Seminar address “Privatisation” (Hensher)

Round table discussion at WA Department of Transport, 8 April 1992, “Current issues in transport” (Hensher)

2BL (Newcastle) breakfast show with Paul Bevan, 12 May 1992
Radio interview “Privatisation of buses in Newcastle” (Hensher)

Graduate School of Business research seminar, 29 April 1992
“Total Factor Productivity” (Hensher)

Australian Institute of Traffic Planning and Management Conference, Sydney, 28-29 May 1992
Keynote address “Transport planning, markets and government: challenges for the future” (Hensher)
Australian Council of Social Service (ACOSS)/NRMA Workshop on the Future of the Automobile, Sydney, 29 May 1992
“Socially and environmentally appropriate futures for the automobile” (Hensher)

Presentational dinner for Chartered Institute of Transport awards, Perth, 13 June 1992
Guest speaker “Managers and administrators in the public sector” (Hensher)

Chartered Institute of Transport NSW Section seminar, Sydney, June 1992
“Implications of the One Nation Statement for the transport sector” (Hooper)

6th World Conference of Transport Research, Lyon France, 29 June-3 July 1992
“The use of discrete choice models in the determination of community preferences towards sub-arterial traffic management devices” (Hensher and Battellino)
“Estimating the demand for packaged travel for a proposed high-speed surface transport system using stated response methods” (Hooper)

Department of Econometrics Workshop on Panel Data, The University of Sydney, 17 July 1992
“Continuous choice models using short panel data” (Smith)

Conference of Industry Economics (Australian National University and Bureau of Industry Economics), Canberra, 16-18 July 1992
“Contestability theory and the airline industry” (Nyathi)

University of Melbourne Transport Debate No. 3 “Getting the balance right in transport: economic development and environmental protection”, 11 August 1992
Member of Economic Reformers Team (Hensher)

Seminar at Australian Graduate School of Management at UNSW, 4 September 1992
“Joint revealed preference and stated preference model estimation” (Hensher)

Stated Preference Methods Workshop for Auckland Regional Council, New Zealand, 8-9 September 1992 (Hensher)

Note: P indicates presenter
Value of travel time savings seminar for Transit New Zealand, 1-2 October 1992 (Hensher)

17th Australasian Transport Research Forum (ATRF), Canberra, 7-9 October 1992
Keynote address "Urban transport directions: challenges for future research" (Hensher)
"Approaching a dynamic urban transit demand model for Sydney" (Altinoglu* and Smith)
"Integrating revealed preference and stated response data into a jointly estimated hierarchical discrete choice model" (Hensher)
"Urban transport directions: challenges for future research" (Hensher)
"A comparative assessment of the productivity of Australia’s rail systems 1971/72 to 1990/91" (Hensher, Daniels* and DeMellow)
"Selling travel as part of a package: implications for transport research" (Hooper)
"Allocating fixed costs in cost models" (Milthorpe)
"Developments in international civil aviation: what are southern Africa’s strategic options?" (Nyathi)
"Effects of public transport rationalisation in rural NSW: a case study of the Inverell-Tamworth bus route" (Raimond* and *Parolin)
"Values of travel time savings used in road project evaluation: a cross country/jurisdiction comparison" (Waters)

Workshop on the Economic evaluation of tourism roads, Ministry of Tourism, Wellington New Zealand, 13 October 1992 (chaired by Hooper)

Blue Mountains Community Plan Transport working group Transport Forum, Blue Mountains, 22 October 1992
"Planning to integrate transport modes" (Smith)

1st USA Invitational Conference on Panels in Transport Planning, University of California, Los Angeles (UCLA), 25-27 October 1992
"The timing of change: discrete and continuous time panels in transportation" (Hensher* and Raimond)

16th Australian Road Research Board Conference (ARRB), Perth, 9-12 November 1992
"Safety and productivity in the long distance trucking industry" (Hensher, Daniels* and Battellino)

Urban Rail Workshop, Australian Rail Industry Advisory Council, Melbourne, 17 November 1992
"Urban rail: the wider view" (Hensher)
Graduate School of Business research seminar, 25 November 1992
"Bus cost and revenue models" (Milthorpe)

14th Conference of Australian Institutes of Transport Research (CAITR), ITS Sydney, 10-11 December 1992
"Mobility and accessibility concepts in transport research" (Altinoglu)
"The timing of change - a new idea" (Hensher)
"Report on research at ITS in 1992" (Hooper presented paper by Hensher and Daniels)
"Suggested approaches for evaluating airport performance" (Lemaitre)
"The true cost of paying bus drivers" (Milthorpe)
"Bicycles: what do we know and what do we need to know" (Smith)
"The value of commercial vehicle time savings for the economic evaluation of highway investments" (Waters and Wong)
" Patronage analysis for electronic ticketing systems" (Zhu)

Industry Commission workshop, Canberra, 11 December 1992
"Measuring productivity in the bus and rail industry" (Hensher)

**Conferences and seminars attended**

SPSS National User Exchange Conference, Sydney, 6 March 1992 (Daniels, Milthorpe, Raimond, Smith)

AusBike '92, Melbourne, 23-25 March 1992 (Smith)

Round Table Conference on Transport Infrastructure, The World Bank, Asian Development Bank and PNG Department of Transport, Port Moresby, 23-26 March 1992 (Hooper)

Australian Bus and Coach Association Conference, Burswood (WA), 5-9 April 1992 (Hensher)

Planning, Coordinating and Funding Urban Transport (IIR Conference), Sydney, 9-10 April 1992 (Altinoglu, Milthorpe, Smith)

Roads and Traffic Authority Seminar: Management of Road Traffic Congestion by Dr Phil Goodwin, Sydney, 10 April 1992 (Smith)

EMME/2 Workshop, ITS Sydney, 15 April 1992 (Altinoglu, Daniels, Hensher, Milthorpe, Nyathi, Raimond)

7th Conference of the Road Engineering Association of Asia and Australia (REAAA), Singapore, 22-26 June 1992 (Hensher, Hooper)
Chartered Institute of Transport seminar “The challenge of reform in government enterprises” by Ross Sayers (SRA) and John Brew (STA), Sydney, 15 July 1992 (Battellino, Daniels, Hooper)

Department of Econometrics Workshop on Panel Data, The University of Sydney, 17 July 1992 (Altinoglu, Smith)

Chartered Institute of Transport seminar “Transport reform in NSW - a progress report” by Brian Langton, NSW Shadow Spokesman for Transport, Sydney, 19 August 1992 (Hooper)

Pricing and Regulation in Government (IIR Conference), Sydney, 18 August 1992 (Daniels)

Windows World Expo and Conference, Darling Harbour Sydney, 18-20 August 1992 (Zhu)

Seminar by Dr Jonathon Richmond on “Transport of delight - the mythical conception of rail transit in Los Angeles” Department of Urban and Regional Planning, The University of Sydney, 28 August 1992 (Altinoglu, Daniels, Milthorpe, Smith)

Seminar on Road Traffic Noise, UNSW, 15 September 1992 (Daniels)

Aviation Reform (IIR Conference) Sydney, 22-23 September 1992 (Nyathi)

Workshop on Transport Safety, Bureau of Transport and Communications Economics, Canberra, 6 October 1992 (Milthorpe, Smith)

17th Australasian Transport Research Forum, Canberra, 7-9 October 1992 (Altinoglu, Battellino, Daniels, Hensher, Hooper, Milthorpe, Nyathi, Raimond, Waters, Zhu)

Seminar on Engineering the Future with High Performance Computing by the Warren Centre for Advanced Engineering, The University of Sydney, 27 October 1992 (Smith)

14th Conference of Australian Institutes of Transport Research (CAITR), ITS Sydney, 12-13 December 1992 (Altinoglu, Battellino, Daniels, Hensher, Lemaitre, Milthorpe, Raimond, Waters, Zhu)

National Road Transport Commission Workshop on Driver Working Hours, Melbourne, 16 December 1992 (Battellino)
10. POSITIONS

Conference organisation

Chairman, Scientific Program Committee for 7th World Conference of Transport Research (to be held in Sydney 1995) (Hensher)

Member, International Scientific Committee of the World Conference of Transport Research (Hensher)

Vice-President, International Association of Travel Behaviour (Hensher)

Member, Scientific Committee of 7th International Conference on Travel Behaviour (to be held in Chile 1994) (Hensher)

Member, Scientific Program Committee for 7th World Conference of Transport Research (Hooper)

Member, Steering and Foundation Executive Committee of Australian Society for Social Research (Wigan)

Member, International Program Committee of 26th International Symposium on Automotive Engineering and Automation (Europe) (Wigan)

International committees

Founding member, USA Transportation Research Board Committee on Traveller Behaviour and Values (Hensher)

Member, USA Transportation Research Board Committee on Travel Forecasting and Sub-committees on Application of Behavioural Travel Demand Models and Value of Travel Time (Hensher)

Member, USA Transportation Research Board Committees on Freight Planning and Marketing; Motorcycles and Mopeds; Transportation Data Requirements; and Expert Systems (Wigan)

Local

Treasurer and Secretary, Australasian Transport Research Forum (Hensher and Hooper) (until October); Secretariat role for Australasian Transport Research Forum performed by ITS from October

Chairman, Standards Association of Australia Committee on Vehicle Users Helmets and Automotive Eye Protection (Wigan)
Member, General Committee of the NSW Section of the Chartered Institute of Transport and Education Sub-committee (Hooper)

Member, University of Melbourne Transport Research Centre Advisory Committee (Hensher)

**Internal**

Member, Committee for Graduate Studies (Hensher)

Member, GSB Management Advisory Committee (Hensher)

Chair, GSB Equipment Committee (Smith); Members (Milthorpe, Hensher)

Member, GSB Programs Committee and Library Committee (Smith)

Member, Institute of Transport Studies Advisory Committee (Hensher, Hooper, Smith)

Member, Certificate of Transport Management Advisory Committee (Battellino, Hensher, Smith)

**Editorial positions**

David Hensher is Area Editor of *Transport Reviews* and is on the editorial boards of *Transportation; Transportation Research; International Journal of Transport Economics; Logistics and Transportation Review; Journal of Transport Economics and Policy; Journal of Transport Policy; Transportation Planning and Technology*; and the *Journal of Tourism Studies*.

William G. Waters is Editor of *Logistics and Transportation Review*. 
11. VISITORS

Professor Michael Beesley, London Business School, January

Dr Bill Faulkner, Director, Bureau of Tourism Research, February

Dr Phil Goodwin, Transport Studies Unit, Oxford University, March

Professor Maryonne Nedeljkovic, Faculté des Affaires Internationales Université du Havre, to discuss management education, April

Professor Ron Johnson, Executive Director, Centre for Innovation and International Competitiveness, University of Sydney, May

Professor Bernardo, Dean, Asian Institute of Management (Manila), May

Professor Wang De-rong, Executive Vice Secretary, China Communications and Transportation Association, State Planning Commission of China, (and delegation) to discuss ITS research activities, June

Dr Jonathon Richmond of MIT, to discuss his PhD research on attitudes to light rail in Los Angeles, September

Professor John Black, Head, Department of Transport Engineering UNSW, to discuss organisation and hosting of the 7th World Conference of Transport Research in Sydney, September

Professor Greg McRae of MIT, to present a seminar on urban air pollution modelling, September

The Hon. Wal Murray (Deputy Premier of NSW and Minister for Roads), Mrs Daphne Kok (Deputy Chancellor of Sydney University), Patricia Gould (Chair of Bicycle Advisory Council of NSW), Peter Wolfe and David Stewart (RTA), to attend the launch of the non-motorised transport project, September

Professor Jordan Louviere of the Universities of Alberta and Utah, Professor Al Shocker of the University of Minnesota and Associate Professor John Roberts of UNSW, to conduct 4 day Conjoint Analysis workshop, October
Two Advisory Committee meetings were held in 1992. The members of the ITS Advisory Committee are:

Mr Paul Brown (Chairperson)  
formerly General Manager  
TNT Australia

Mr Paul Amos  
Director  
Travers Morgan

Dr Peter Barnard  
Manager, Economic Market Intelligence  
Australian Meat and Livestock Corporation

Professor Michael Beesley  
Professor of Economics  
London Business School

Mr Jim Bosnjak  
President  
Bus and Coach Association

Mr John Brew  
Chief Executive Officer  
State Rail Authority (from October)  
(previously CEO of State Transit Authority)

Mr John Crowe  
Director, Industrial Liaison, Faculty of Engineering  
University of Technology, Sydney

Professor Simon Domberger  
Deputy Director  
Graduate School of Business

Professor Pete Fielding  
School of Social Sciences  
University of California, Irvine
Associate Professor John Glastonbury
Dean, Faculty of Engineering
The University of Sydney

Mr Roger Graham
Director
Roger Graham and Associates

Dr Maurice Haddad
Director
Bureau of Transport and Communications Economics

Professor David Hensher
Director, Institute of Transport Studies
Graduate School of Business

Mr Paul Hooper
Deputy Director, Institute of Transport Studies
Graduate School of Business

Mr Lyall Kennedy
Director
Kennedy Consultants

Mr Max Moore-Wilton
Director-General of Transport
NSW Department of Transport

Professor Chris Nash
Director, Institute of Transport Studies
University of Leeds

Professor Tony Richardson
Director, Transport Research Centre
University of Melbourne

Professor Stephen Salsbury
Dean, Faculty of Economics
The University of Sydney

Mr Ross Sayers
Chief Executive
State Rail Authority
(member until October 1992)
Dr Derek Scrafton
Director-General of Transport
South Australia

Dr Nariida Smith
Institute of Transport Studies
Graduate School of Business

Mr Neil Smith
Director
Peninsula Bus Lines

Mr David Stewart
General Manager, Road Network Strategy
Roads and Traffic Authority

Professor John Taplin
Graduate School of Management
University of Western Australia

Ms Ann Turner
General Manager, Programming Strategy
Roads and Traffic Authority

Professor Murray Wells
Director
Graduate School of Business
Written and designed by Rhonda Daniels
Wheels by Timothy Raimond

Institute of Transport Studies
Graduate School of Business
The University of Sydney