

## JANUARY 2008 - NEWSLETTER #16

Happy New Year and welcome to a year of high level activity for the Bureau.

### CONFERENCES

**The Tauranga IPENZ Conference** again provided an opportunity for our members and others to taste the flavour of the progress of the Bureau.

**The AITPM Conference in Canberra**, on 31 October - 2 November, was attended by Ian Clark (giving a paper) and Malcolm Douglass (promoting NZTPDB). This was a great success and there was a high level of interest from Australian practitioners. Our first two Australian organisations have since joined the Bureau as full members. We expect many more in the months ahead.



Ian Clark and Malcolm Douglass on the platform in Canberra at the AITPM Conference

**The RTP/ITRCS London Conference** on 21 - 22 November enabled Malcolm Douglass to describe our transportation experience in NZ and the many parallels with the UK. His paper stressed the common themes and results of NZ and UK trip correlation research and our joint endeavours in integrated land use and transportation planning practice. His paper was appropriately entitled '*One Transportation Planet*'.

**TRICS/NZ Databases.** While in London, Malcolm continued the negotiations with TRICS and their consultants JMP towards closer NZTPDB cooperation. This includes the continuation of the Bureau service provided to members where through Ian Clark, Tim Kelly or Steve Abley, travel information on a wide range of land uses and sites held in the UK/TRICS data base can be used. In addition we are continuing joint research and heading towards a common definition of land uses, travel, trips and parking information in both databases, which will almost certainly include Australia as well.

### TECHNICAL NOTES

From next week it is our plan to send out one or two short Technical Notes on a regular basis. They are intended to stimulate reaction and encourage contributions. The first two are:

08/1 Trip Rates of Large Retail Formats v Traditional Shopping Centres

08/2 Changes in Retail Trip Rates with Increased Floor Areas.

These will be followed by:

08/3 Motel Occupancy and Vehicle Trip Rates

08/4 Utilising the NZTPDB Database for a City Wide Plan Change

08/5 Elderly Persons Housing

08/6 Wellington Region Trip Generation- Tony Brennan

**Contributions of 1 or 2 page technical notes are invited and welcome from any member.**

### RESEARCH UPDATE

1. *Correlation UK/NZ Research: LTR 0079*

As reported in the last newsletter (No 15), Andy Milne (MWH) has undertaken analysis of NZ and UK shopping centres. The research suggests we can accept the general nature of the similarity of the UK and NZ survey results and should now focus on more refined filtering with category analysis of sites using other parameters additional to ground floor area.

Ian Clark, Tim Kelly and Steve Abley are now undertaking similar analysis for industry, residential, offices, recreation, assembly, medical and other land uses. This project will be completed by June 2008. A recommendation on the future use of TRICS in New Zealand and Australia is dependent on the outcome of this research.

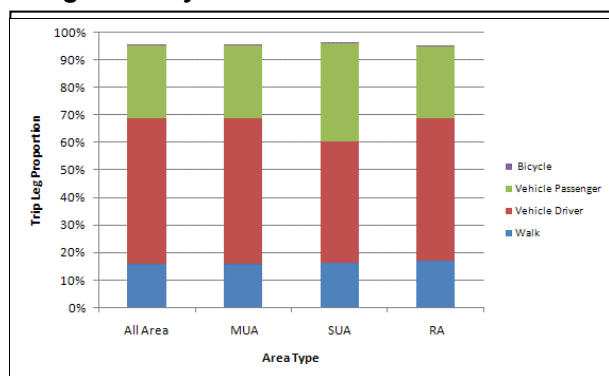
2. *Integrated Transportation Assessment Framework: LTR 0090*

Recent discussions with MOT and other parties have brought this research project up to speed again. The research builds from a similar project undertaken and completed by BECA last year and also the work of Ian Clark and his association with ARTA. All members and local authorities will soon receive a further one page

questionnaire seeking views on the direction we are taking. This will be completed by June 2008.

3. *National Travel Profiles: LTR 0115* Stage 1, the analysis of the 'mountain' of data collected in the national Household Travel Survey, has reached the point where the 'travel leg' patterns by all modes for the Main Urban Areas (MUA), Secondary Urban Areas (SUA), and Rural Areas (RA), has been completed. The modest variations between these different categories and the role of individual modes of travel are now clearly described. **Figure 1** illustrates the modest changes in mode split for all trip legs in Major Urban Areas (MUA), Secondary Urban Areas (SUA) and Rural Areas (RA) in Auckland.

**Figure 1 - Proportion of Trip Legs made by Private Transport Modes in Auckland categorised by Area**



Further analysis of the variations between some of the geographic regions has also been completed. Sufficient analysis has been done to describe typical daily trip patterns made by households in these different regions. The completion of Stage 1 has a June 2008 deadline.

Stage 2 aims to investigate the parameters and the definitions of trip legs and modes of travel in an endeavour to relate them to the more traditional transportation model systems. This applies particularly to the definition of trip purposes and also journey mode types (including linked trip legs). This will include a consideration of the statistical significance of some of the variables used in the Household Travel Survey as a means for predicting future trips. A new RFP covering this work is currently being prepared for submission to LTNZ so that (hopefully) this project can be ongoing throughout 2008-09.

## COLLECTION OF SURVEY DATA

The Tauranga Conference confirmed that in 2008, greater efforts aimed to increase the delivery of survey information and expand the database directly from existing resource consent files held by Councils and Consultants is essential. \$14,000 of members funds have been allocated to local consultants to extract travel information from existing Council and Consultant file records. This more direct and active collection of data is essential so that the database can increase rapidly. We are calling for consultants in all regions to assist us with this work. Anyone interested should contact Malcolm Douglass or Steve Abley.

## NZTPDB DATABASE

The new edition of the database is currently being posted to members. The database has been significantly improved throughout:

- Over 90 sites have been added.
- Frontage Rd AADT has been added to 35 sites.
- Catchment population has been added to over 70 sites.
- Area and employment figures were added to 20 sites.
- Pedestrian and modal splits were added to 29 sites.

This is part of the upgrading required to match your needs and bring the database to the same utility as that of TRICS. The database has been expanded to include the parameters used by TRICS and includes many new sites. Ryan Rolston (TDG) has also improved the layout of the Excel Spread Sheet with drop down screens and has retrofitted many of the original Auckland TLA surveyed sites with additional parameters not previously recorded.

To complement the expanded database there is a new 2008 edition of the Database User Guide explaining the process of surveys, the quality control to be introduced over time, including multimodal data, and the current format and structure of the database. You will all receive a new 2008 database disc containing this information and a hard copy of the 2008 Database User Guide soon.

**MALCOLM DOUGLASS – NZTPDB ADMINISTRATOR**