

# 低碳運輸系統發展計畫

執行單位

交通部運輸研究所

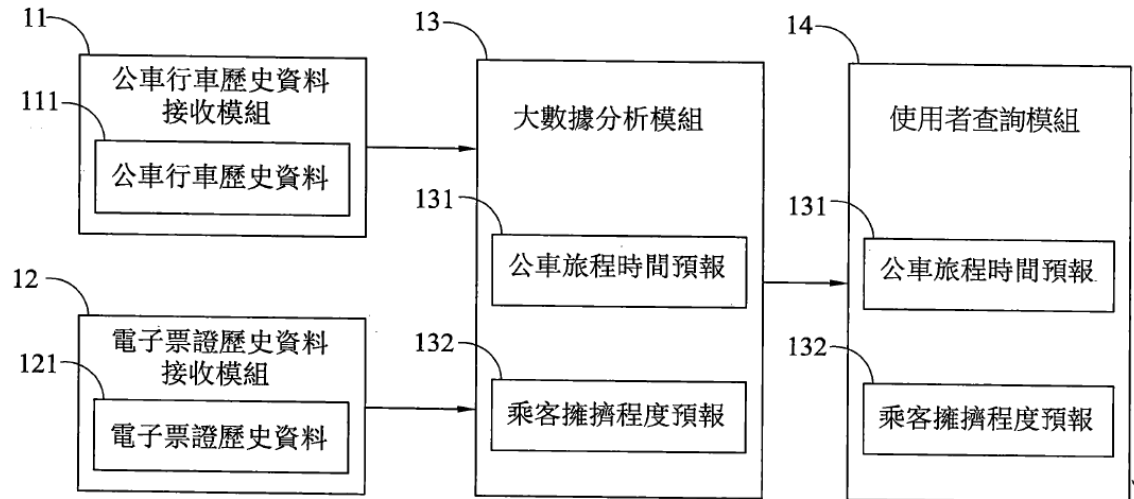
計畫主持人

曾佩如組長

- 分析公車行車歷史資料及電子票證歷史資料以產生公車旅程時間預報及乘客擁擠程度預報。
- 儲存公車旅程時間預報及乘客擁擠程度預報以提供使用者查詢功能。

## 車隊營運管理系統

公告日：2017.03.01



為貫徹交通部綠色運輸施政理念，達成運輸部門減碳目標，本計畫目前發展可區分為兩大重點：

**1. 運輸部門節能減碳政策決策支援系統：**

- A. 導入都會運輸需求模式
- B. 更新公路貨運能耗及碳排放係數與資料庫

**2. 運輸節能科技應用研析：**

- A. 擴充「公共運輸縫隙掃描決策支援系統」功能
- B. 預約式無障礙小客車運輸服務整合研究
- C. 汽車貨運產業導入績效運籌模式以強化運輸服務品質
- D. 提升車輛使用效率，達成節能減碳成效
- E. 評估快速公路LED路燈生命週期成本效益、節能減碳效果與適用性

# The Researches for Developing Green Transportation

Execution Unit

Institute of Transportation, MOTC

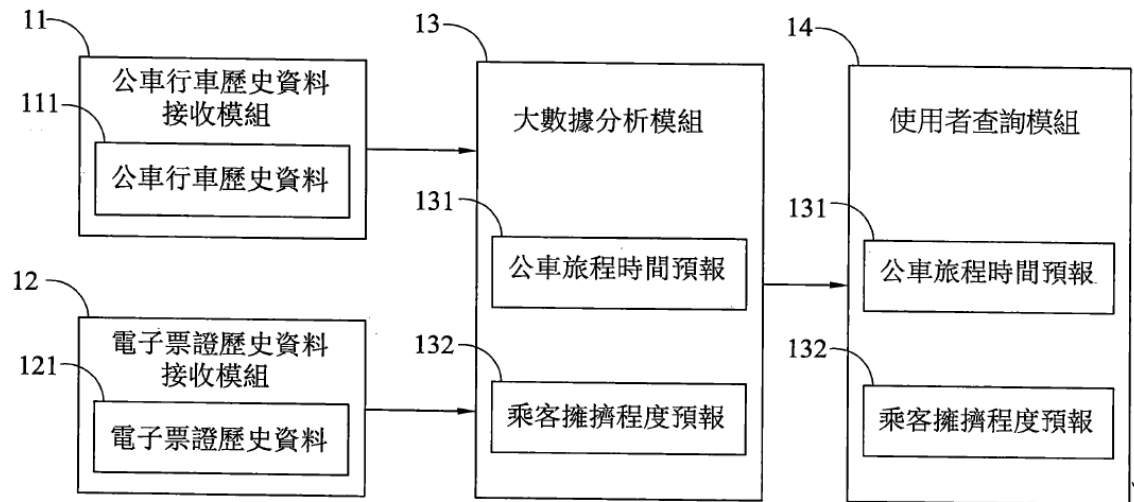
Project Director

Division Chief Pei-Ru Zeng

- Analyze bus driving history information and electronic ticket history data to produce bus journey forecast and passenger crowding forecast.
- Stores bus journey time forecast and passenger congestion forecast to provide user search function.

## Fleet Operations Management System

Issue Date: 2017.03.01



For the green transport policy and carbon reduction goals of transport sector, we divided this project into two parts:

**1. Transport sector energy-saving carbon policy decision support system:**

- A. Import city transportation demand mode.
- B. Renew carbon emission factors and database of energy consumption in road freight.

**2. Application analysis of transportation energy saving technology:**

- A. Expand the "Public Transport Slit Scanning Decision Support System"
- B. Research on the Integration of reservation - type passenger cars transportation service.
- C. Introduce performance management model into trucking carrier.
- D. Improve vehicle efficiency.
- E. Evaluate the cost-effectiveness, energy-saving and carbon-reduction effect and applicability of expressway LED street light life cycle.