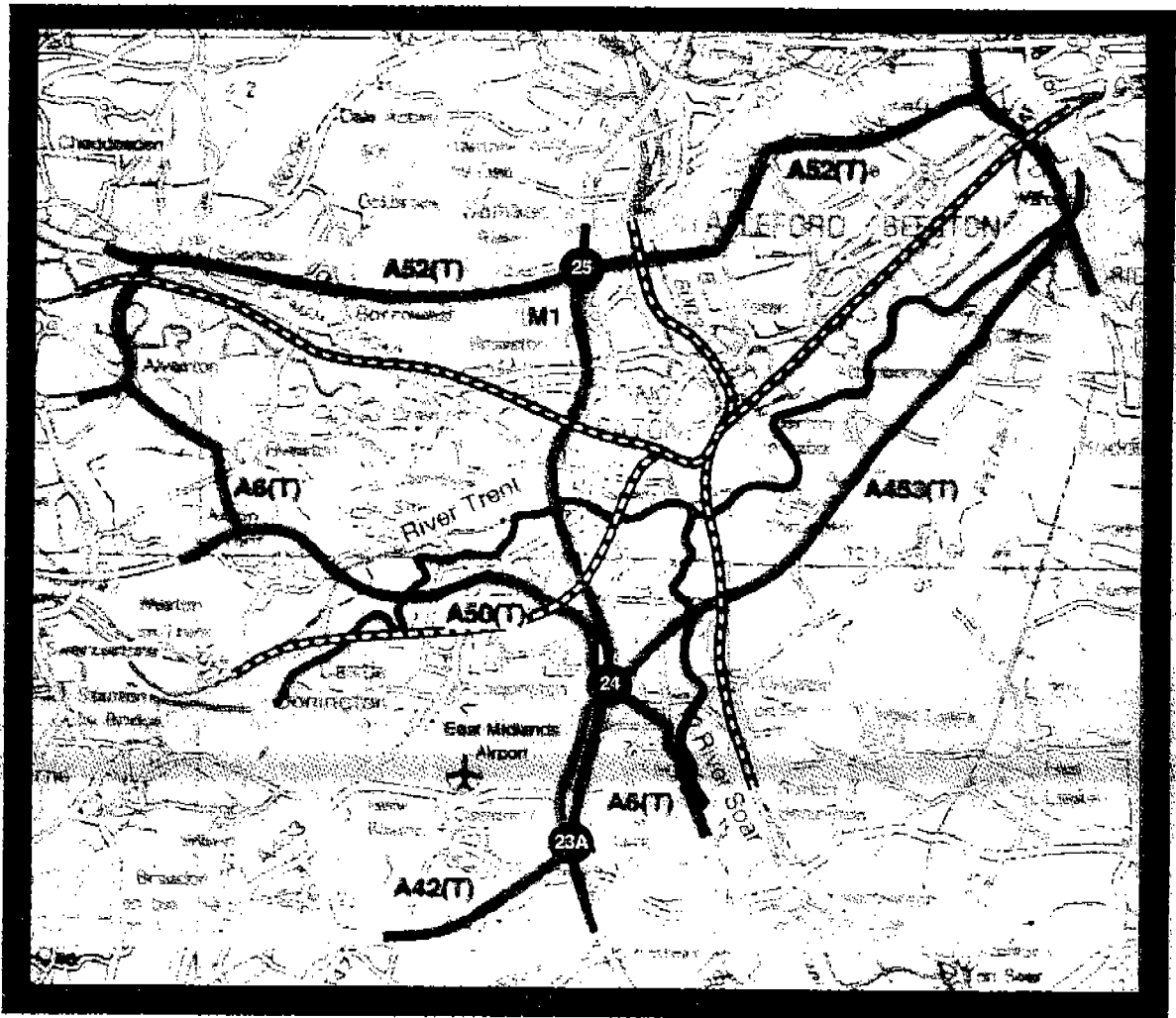


DEPARTMENT OF THE ENVIRONMENT  
 TRANSPORT AND THE REGIONS

**MULTI-MODAL STUDY  
 A453 NOTTINGHAM TO M1 JUNCTION 24  
 STUDY OVERVIEW**



PRESENTATION BY

**PELL FRISCHMANN**

Supported By

**GILLESPIES ENVIRONMENTAL CONSULTANCY  
 NATIONAL ECONOMIC RESEARCH ASSOCIATES**

**PTV CONSULT GMBH**

**CAPITAL VALUE AND RISK LTD**

and

**JOHN FEARON CONSULTANCY**

# **A453 STUDY OBJECTIVES**

- ◆ **APPRAISAL OF TOTAL TRANSPORT NEEDS IN THE CORRIDOR TO THE YEAR 2021 CONSIDERING**

***CONTRIBUTION OF VARIOUS TRAVEL MODES TO ALTERNATIVE SOLUTIONS TO PROBLEMS IDENTIFIED***

***EFFECTS AND INCIDENCE OF INTEGRATED TRANSPORT APPROACH***

- ◆ **IDENTIFY VIABLE, SUSTAINABLE COSTED OPTIONS TO SOLVE PROBLEMS**

- ◆ **RECOMMEND:**

***LONG TERM STRATEGY***

***PLAN TO ADDRESS MOST URGENT PROBLEMS INCLUDING OPPORTUNITIES TO INDUCE MODAL TRANSFER***

***DETAILED RANGE OF MEASURES TO IMPLEMENT STRATEGY SHOWING COST EFFECTIVENESS AND INCIDENCE OF (DIS) BENEFITS***

# STUDY PROGRAMME

## PROVISIONAL PROGRAMME

1999 2000

2001

D J F M A M J J A S O N D J F M A M J J A S

INCEPTION



MODEL



*Surveys*



*Development*



STRATEGY



OPTION I/D



CONSULTATION



OPTION EVALUATION



RECOMMENDATIONS



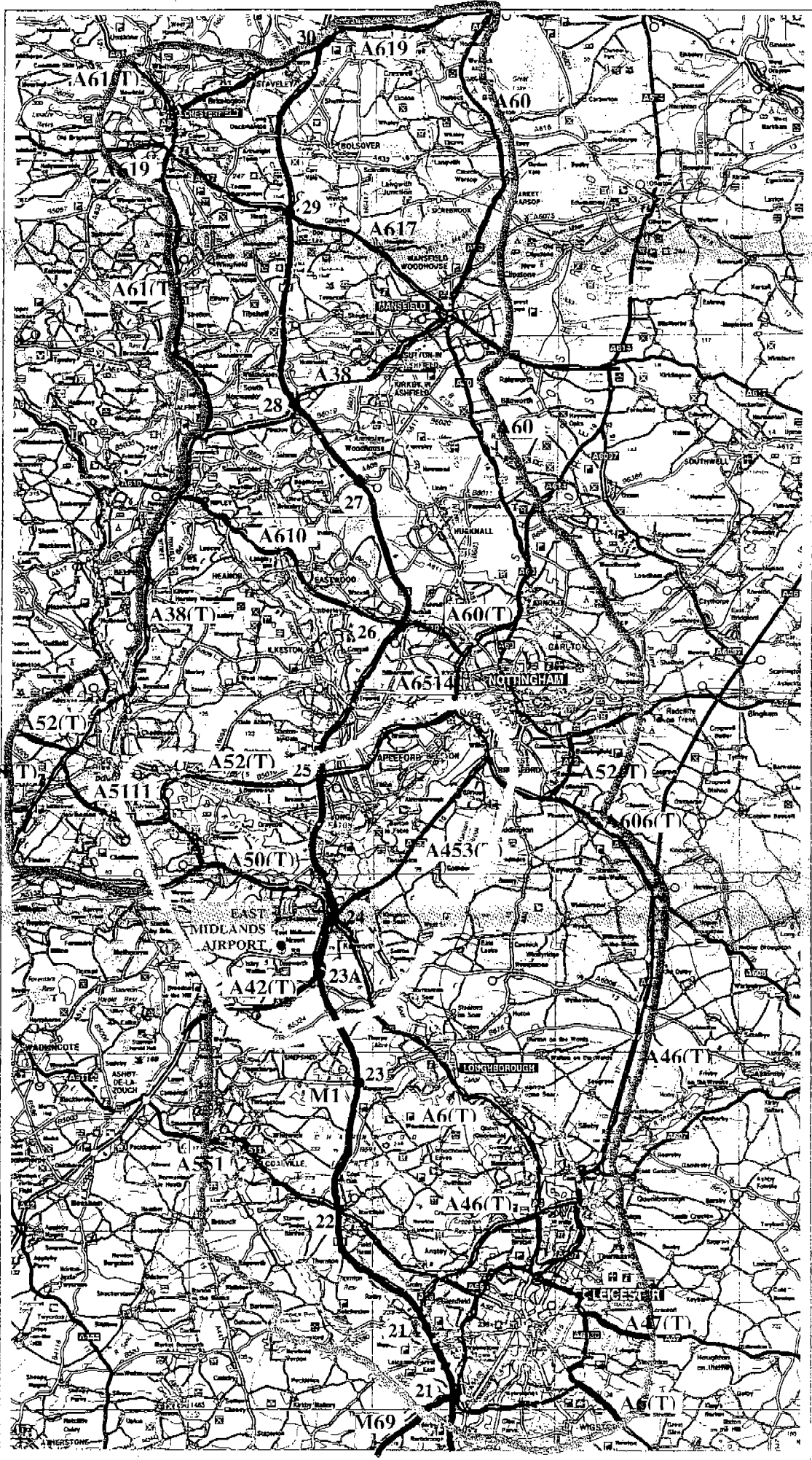
MANAGEMENT



# STUDY CONTEXT

Context Influences Include :

- Travel Characteristics
- Land Use and Environmental Issues
- Transport Strategies for Derby & Nottingham
- M1 North – South Corridor Studies
- Economic Development
- Integrated Strategy & Sustainability



KEY

A453 area boundary

MI N-S area boundary

Figure 2.2  
Modelling Areas

# **STRATEGY AND OPTION ASSESSMENT (1)**

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## **4 Appraisal Strands for Multi-modal Studies**

- ◆ Multi-Modal Approach – all modes of transport**
  - ◆ Meeting of local objectives in regional context**
  - ◆ Mitigation of local problems in regional context**
- 
- ◆ Support analysis of local issues**

**Strategic application focussed upon local Key Indicators**

# **STRATEGY AND OPTION ASSESSMENT (2)**

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**The New Approach To Appraisal – NATA**

**NATA Approach**

- ◆ **Problem identification and assessment**
- ◆ **Option identification**

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- ◆ **Option assessment**
- ◆ **Tabular presentation**
- ◆ **Appraisal Summary Table (AST)**

# **STRATEGY AND OPTION ASSESSMENT (3)**

## **Appraisal – Summary Table - AST**

*Clear presentation for decision making*

### **5 Objectives**

- ◆ **Environment**
- ◆ **Safety**
- ◆ **Economy**
- ◆ **Accessibility**
- ◆ **Integration**

**Quantitative and qualitative assessment of impacts**

**Standardised presentation for consistency**

# TRAVEL CHARACTERISTICS

## Typical Movements in the A453 Corridor:

### ◆ Strategic Movements

- J24 Confluence of M1, M42, A50 & A6
- Alternative access to Nottingham & Derby
  - J23a, J24, J25 & J26

### ◆ Intercity Nottingham Derby

- Alternative routes include A453/A50, A52, & A6005

### ◆ Hinterland to Nottingham

### ◆ Local Movements in Clifton

- Short journeys by car
- Pedestrian and cycle movements

### ◆ Frontage Access

### ◆ Major Traffic generators