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# Elgin Transport Models - Progress

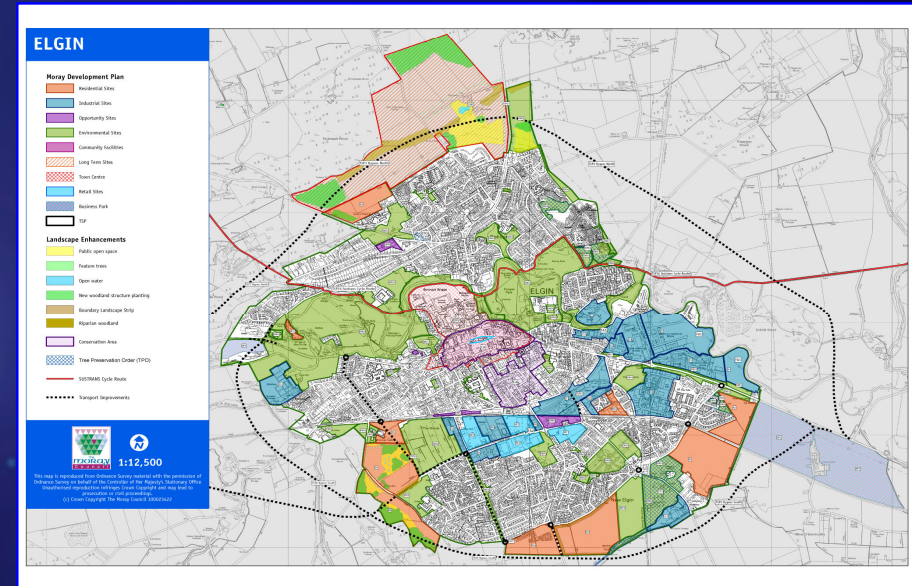




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# Elgin Transport Models - Progress

1. Background
2. Collection of Data
3. Initial Key Findings





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# Elgin Transport Models - Progress

## 1. Background



- 1997 Saturn Model
- 2000 Moray Development Plan
- 2000 Moray Local Transport Strategy
- 2002 Elgin Bypass Petition
- 2003 Bypass STAG Part 1 Report
- 2004 Elgin Traffic Model & STAG Committee Report
- 2005 Moray Development Plan Review
- 2005 Local Transport Strategy Guidance
- 2006 Regional Transport Strategy Guidance
- 2006 Elgin Transport Model & STAG Study Commissioned
- 2006 A96 Corridor Study (Hitrans/Nestrans/SE)



# Elgin Transport Models - Progress

## 1. Background

### Transport Model

Model Preparation

Dynamic and Static Data

Base Models (March 2006)

AM / PM / SAT

STAG Option Testing

### STAG

Pre-Appraisal Workshop

STAG Part 1 Appraisal

STAG Part 1 Report

STAG Part 2 Appraisal

STAG Part 2

Final Option Appraisal

STAG Part 2 Report



# Elgin Transport Models - Progress

## 1. Background

### Transport Model

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### STAG

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Final Option Appraisal

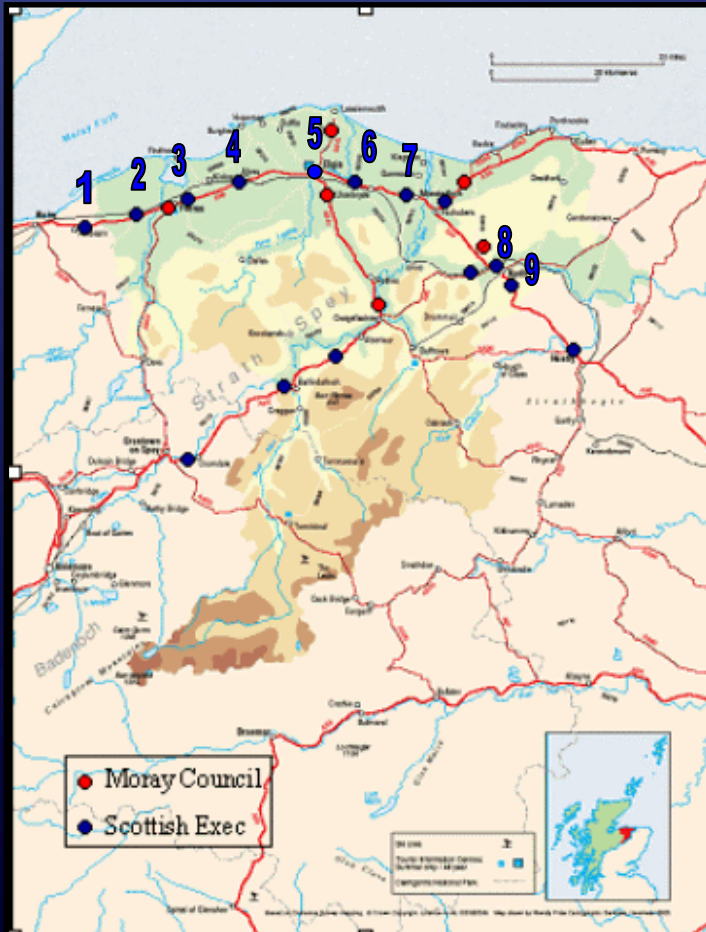
STAG Part 2 Report



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# Elgin Transport Models - Progress

## 2. Collection of Data



A96 August 2005		
SITE	5 Day Average	7 Day Average
1	8798	8628
2	12323	11950
3	13471	12921
4	13305	12717
5	19449 (18726)	18598 (17684)
6	18749	18121
7	16337	15836
8	9481	9258
9	7513	7381
A9 Annual Average Daily Traffic (AADT)		
Pitlochry Bypass		(8100)
Killicrankie		(8300)
North of Bruar		(7300)
A82 - Week Day Average		
South of Crianlarich		4300
South of Glencoe		4800

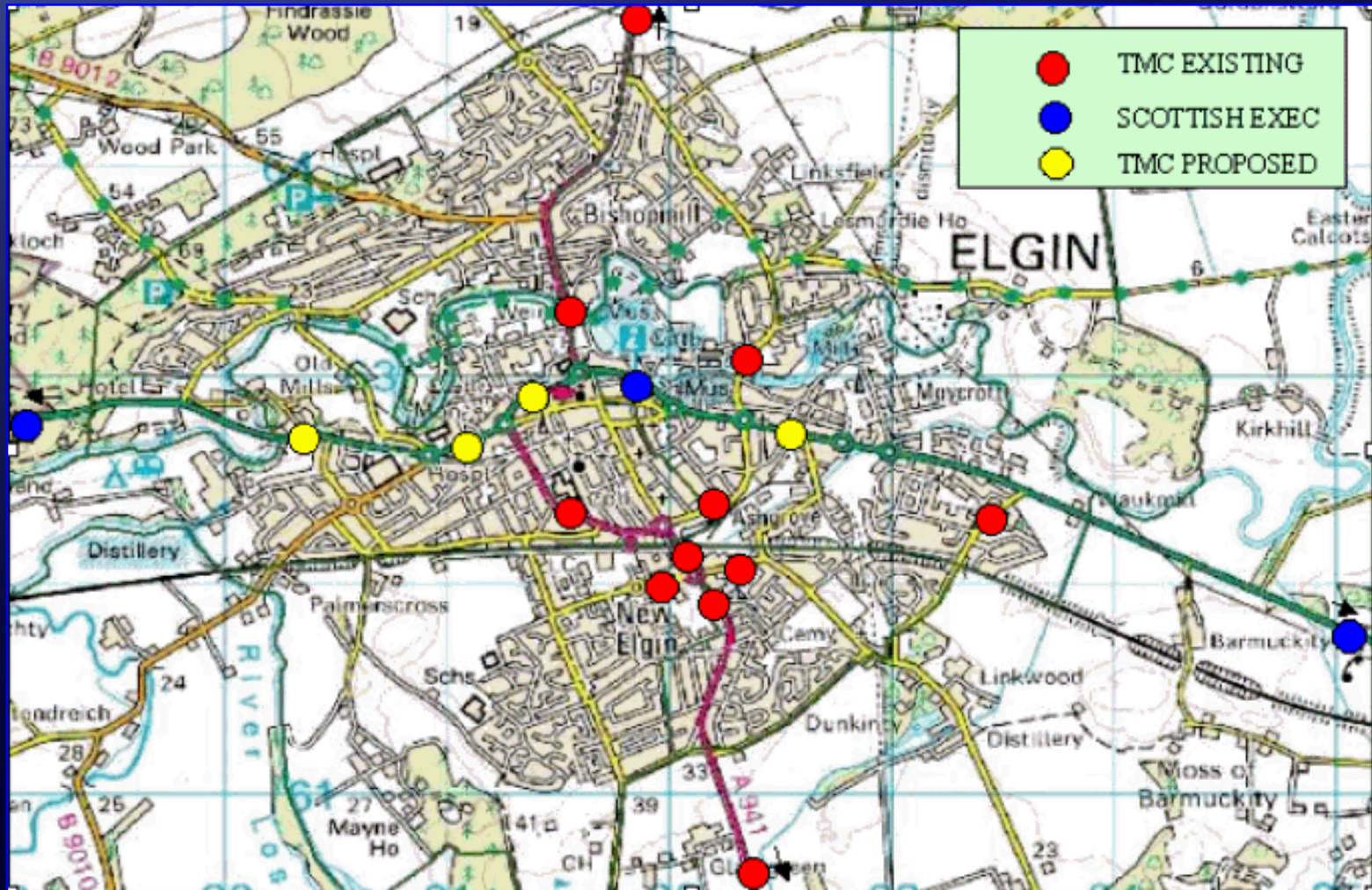
Figures in brackets are AADT



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## 2. Collection of Data



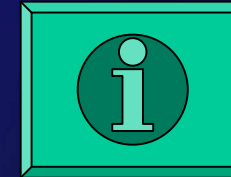


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# Elgin Transport Models - Progress

## 2. Collection of Data

### Elgin Data Collection



Permanent Automatic Traffic Count Sites

Other Surveys





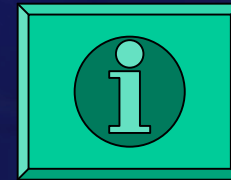
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# Elgin Transport Models - Progress

## 2. Collection of Data

### Elgin Data Collection

#### Traffic Flow Plan





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# Elgin Transport Models - Progress

## 2. Collection of Data

<b>SCHOOL CROSSING PATROLS</b>	<b>Daily Hours Operated (HH:MM)</b>
<b>Crossing at Old Post Office (A96)</b>	<b>02:30</b>
<b>South College Street/Institution Road (A96)</b>	<b>03:15</b>
Wittet Drive/Mayne Road	02:30
Glen Lossie Drive	03:15
South Street/Northfield Terrace/Hay Street	02:30
Brodie Drive/Seafield Primary	03:10
Linkwood Road	02:45
Maisondieu Road	01:35
Morrison Road/Duffus Road	02:45
Morrison Road/Bishopmill Primary	02:45
Kingsmill Bridge	02:50
Lossiemouth Road/Nelson Square	03:10
Main Street/School Brae	02:45



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# Elgin Transport Models - Progress

## 3. Initial Key Findings

### A96 Inner Cordon Survey

### Destination Proportions



#### High Street (W) - Eastbound

5 day average flow	7146
HGV	357 (5%)
Elgin	64
Fochabers/Lhanbryde	9
Aberdeen City	9
Buchan Coast	6
Aberdeenshire	6
Speyside	1
Lossiemouth	5

#### South College Street - Westbound

5 day average flow	7393
HGV	370 (6%)
Elgin	68
Inverness	10
Forres	12
Nairn	2
South Moray	2
Highlands & Islands	0
Lossiemouth	6



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# Elgin Transport Models - Progress

## 3. Initial Key Findings

### A96 Outer Cordon Survey

### Destination Proportions



A96 Rural West - Eastbound	
5 day average flow	6369
HGV	446 (7%)
Elgin	70
Fochabers/Lhanbryde	7
Aberdeen City	7
Moray Coast	5
Aberdeenshire	5
Speyside	2
Lossiemouth	4

A96 Rural East - Westbound	
5 day average flow	7168
HGV	502 (7%)
Elgin	70
Inverness	8
Forres	7
Nairn	2
Lossiemouth	3
Moray South	2
Highlands & Islands	8



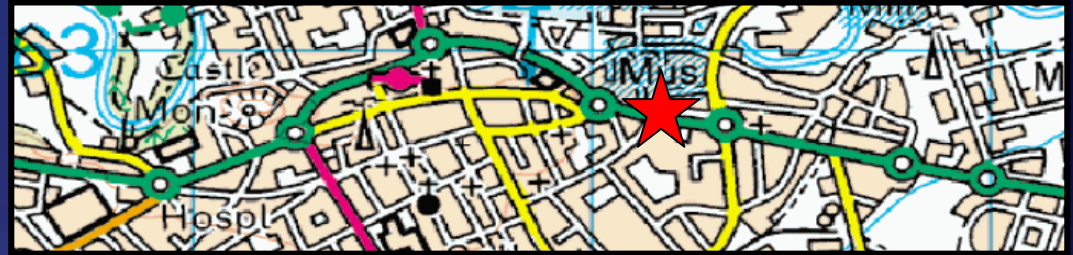
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# Elgin Transport Models - Progress

## 3. Initial Key Findings

### Elgin Transport Model Surveys

March 2006



A96 - South College Street

Time	2-Way Traffic
0800 – 0900	1305
0900 – 1000	1210
1000 – 1100	1200
1100 – 1200	1279
1200 – 1300	1330
1300 – 1400	1386
1400 – 1500	1331
1500 – 1600	1332
1600 - 1700	1259
1700 – 1800	1178
1800 – 1900	949
1900 - 2000	726



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# Elgin Transport Models - Progress

## 3. Initial Key Findings

### RSI Survey Results

March 2006



Site	2 - Way Traffic
A96 South College Street	17463
A96 Barmuckity	17021
A96 High Street (W)	15901
A96 Oakwood	14794
A941 New Elgin Road	21889
A941 Cumming Street	15587



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