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TRAFFIC + TRANSPORTATION

THE DATA COLLECTION SPECIALISTS

Mouchel

22451 – Lincoln Traffic  
Survey

Wednesday 4<sup>th</sup> & Thursday  
5<sup>th</sup> March 2015

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## Contents

1. Data Quality Assurance
2. Method of Survey.
3. Incidents Encountered During Surveys.
4. Weather Conditions.
5. Maps of Survey Locations.
6. Classified Turning Counts Results.
7. Queue Lengths Results.
8. Hourly Origin-Destination Matrix Results.
9. Journey Length Results.
10. Pedestrian and Cyclists Counts Results.

## **Data Quality Assurance:**

Data Revision: Rev. 1

Analysis and Report by: Jigisha Parekh  
Date: 26/03/2015

Checked by: Victoria Hindle  
Date: 26/03/2015

Approved by: Joe Maclaren  
Date: 26/03/2015

## Method of Survey:

### VIDEO TURNING COUNTS:

Data was collected via high mast video units positioned at the following junctions and analysed manually at a later date:

1. Lincoln Rd/A158/A46 - Roundabout
2. B1182 Nettleham Rd/ Outer Cir Rd/ Searby Rd
3. A15 Wragby Rd/ Outer Cir Drive
4. A15 Bunkers Hill/ Hawthorn Rd
5. A158 Wragby Rd E/A15 Bunkers Hill/ A158
6. A158 Wragby Rd/ Greetwell Lane
7. A158 Wragby Rd E/Lodge Lane
8. A158 Wragby Rd E/ Kennel Lane
9. Outer Cir Rd/ Carlton Boulevard
10. Hawthorn Rd/St Augustine Rd
11. Hawthorn Rd/ Croft Lane
12. Kennel Lane/ Hawthorn Rd
13. Croft Lane/ Church Lane/ High St
14. Outer Cir Rd/ B1308 Greetwell Rd/Allenby Rd
15. Waterford Lane/ Fiskerton Rd
16. Church Lane/ Fiskerton Rd
17. Ferry Rd/ High St/ Chapel Rd

All possible traffic movements were recorded in 15 minutes intervals, between the times of 07:00 19:00 on Wednesday 4<sup>th</sup> March 2015. The results are provided in an Excel spreadsheet. The following classifications were used:

PC – Pedal cycles and C5 type vehicles using the road; this does not include cyclists using the pavement.

MC – Two wheeled motor cycles;

Car – Including taxis, state cars, 'people carriers' and other passenger vehicles (for example, minibuses and camper vans) with a gross vehicle weight of less than 3.5 tonnes, normally ones which can accommodate not more than 15 seats. Three-wheeled cars, motor invalid carriages, Land Rovers, Range Rovers and Jeeps and smaller ambulances are included. Cars towing caravans or trailers are counted as one vehicle;

LGV – Light Goods Vehicle. Includes all goods vehicles up to 3.5 tonnes gross vehicle weight (goods vehicles over 3.5 tonnes have sideguards fitted between axles), including those towing a trailer or caravan. This includes all car delivery vans and those of the next larger carrying capacity such as transit vans. Included here are small pickup vans, three-wheeled goods vehicles, milk floats and pedestrian controlled motor vehicles. Most of this group are delivery vans of one type or another;

OGV1 – Other Goods Vehicles Category 1. Includes all rigid vehicles over 3.5 tonnes gross vehicle weight with two or three axles. Includes larger ambulances, tractors (without trailers), road rollers for tarmac pressing, box vans and similar large vans. A two or three axle motor tractive without a trailer is also included;

OGV2 – Other Goods Vehicles Category 2. Includes all rigid vehicles with four or more axles and all articulated vehicles. Also included in this class are OGV1 goods vehicles towing a caravan or trailer;

PSV – Buses and Coaches. Includes all public service vehicles and works buses with a gross vehicle weight of 3.5 tonnes or more, usually vehicles with more than 16 seats.

## PEDESTRIAN AND CYCLISTS COUNTS:

Our enumerator recorded the number of pedestrian and cyclists travelling in each direction at following locations.

1. Hawthorn Rd (east of St Augustine Rd)
2. Hawthorn Rd (west of Croft Lane)

Data was collected between 07:00 – 10:00 & 15:00 – 18:00 on Wednesday 4<sup>th</sup> March 2015 at 15 minute periods.

The results are provided in an Excel spreadsheet.

## ORIGIN-DESTINATION SURVEYS/ LINK COUNT SURVEY:

High-mast video installations were positioned at the following points

1. Kennel Lane (South of Wragby Rd)
2. Fiskerton Rd (in vicinity of level crossing)
3. Croft Lane ( in vicinity of level crossing)
4. Carlton Boulevard (east of Carlton Centre access)
5. Hawthorn Rd (west of St Augustine Rd)

The recordings took place between 07:00 – 19:00 on Thursday 5<sup>th</sup> March 2015:

The recordings were analysed in our video suite by enumerators at a later date. Enumerators recorded:

- The cordon point passed
- Vehicle registration number
- Direction of travel
- Time the vehicle passed the cordon point (ss:mm:hh)

This data was then matched to provide an origin-destination matrix as laid out in your brief

Two way classified Link counts collected on each of the locations.

The results are presented in an Excel spreadsheet.

## CAR JOURNEY TIMES:

Enumerators travel in cars between specified points, noting the time they pass each point. The journey time between the points is then identified by the difference between recorded times.

The following routes were surveyed between 08:00 – 09:00, 10:00 – 16:00 & 17:00 – 18:00 on Wednesday 4<sup>th</sup> march 2015.

Route 1: Reepham to Outer Cir Rd/ Carlton Boulevard junctions

Route 2: Reepham to Wragby Rd/Outer Cir Rd junction

Route 3: Reepham to Greetwell Rd/ Allenby Rd junction

## QUEUE LENGTH SURVEYS:

Enumerators recorded the length of queues at the designated junctions, on the same day and time as the turning counts, every five minutes. Queue lengths were measured by number of vehicles in queue, where:

- motorbikes
- cars
- small and large vans
- mini buses

- small lorries

were counted as 1 vehicle, and

- HGVs
- full size buses/coaches

were counted as 2 vehicles.

### **Incidents Encountered During Surveys:**

There were no significant events or unforeseen circumstances to affect the results of the surveys.

### **Weather Conditions:**

It was dry and cloudy during the survey time.