

**SOUTH DUBLIN COUNTY COUNCIL
BEECHDALE AVENUE-KILLEEN ROAD
TRAFFIC SURVEY**

**SURVEY REPORT
FEBRUARY 2015**

PROJECT NO.	4801
CHECKED	P. MURRAY
DATE	16/02/2015
CONTACT	A.CHAMBERS
REVISION	

CONTENTS

Introduction

Automatic Traffic Count

Link Count

Pedestrian Count

Diagrams 4801-01 & 4801-02

Appendix A – Vehicle Categories

INTRODUCTION

Nationwide Data Collection (NDC) was instructed by South Dublin County Council to undertake a link count and pedestrian count on Killeen Road and an automatic traffic count on Beechdale Avenue, Co. Dublin.

General location plans are given in Diagrams 4801-01 & 4801-02.

AUTOMATIC TRAFFIC COUNT

An automatic traffic count was undertaken at the following site:

Site No.	Location.	Days / Dates
1	Beechdale Avenue, west of Beechdale Close	Friday 6th February to Thursday 12th February 2015

A METROCOUNT 5600 series automatic traffic counter, attached to pneumatic tubes, was used at this site. Data was collected in both directions at this location, with one counter being used for a single carriageway site (1 lane per direction).

The survey was carried out with survey hours of 00:00 to 00(24):00.

The results have been provided in excel, in hourly totals and includes the following information:

- Total Vehicles
- Class Bin Totals (12 Class)
- Number of Vehicles over Speed Limit
- Percentage of Vehicles over Speed Limit
- Number of Vehicles over Speed Limit 1 (Speed Limit + 5kph)
- Percentage of Vehicles over Speed Limit 1
- Number of Vehicles over Speed Limit 2 – (Speed Limit + 10kph)
- Percentage of Vehicles over Speed Limit 2
- Mean Speed
- 85th Percentile Speed
- Speed Bin Totals (Range 0 to 140kph)

12hr (07:00 to 19:00), 16hr (06:00 to 22:00), 18hr (06:00 to 00:00) and 24hr (00:00 to 00:00) totals are also included along with a virtual day, week and grand total. The peak time period for both the a.m (00:00 to 12:00) and p.m (12:00 to 24:00) are also highlighted.

A detailed description of the vehicles included in each category is provided in Appendix A.

LINK COUNT

A link count was undertaken at the following site:

Site No.	Location.	Days / Dates
2	Killeen Road	Thursday 5th February to Friday 6th February 2015

*Exact location shown in Diagram 4801-02.

The site was surveyed using a telescopically mounted video cameras from which the information was subsequently extracted.

The survey was carried out with survey hours of 08:00 to 08:00 (24 hours). All information was collected in 15 minute intervals and has been tabulated with period totals.

Vehicles were classified into the following categories:

- Light Vehicles (**LV**),
- Heavy Goods Vehicles (**HGV**),
- Buses (**PSV**) and
- Pedal Cycles (**P/C**).

A detailed description of the vehicles included in each category is provided in Appendix A.

PEDESTRIAN COUNT

A two-way pedestrian count was undertaken in 15 minute intervals, and tabulated with period totals.

Pedestrians were classified into the following categories:

- Adult
- Elderly
- Children
- Disabled

SITE REPORT

Weather Clear and dry during the survey period.

Accidents None.

Roadworks None.

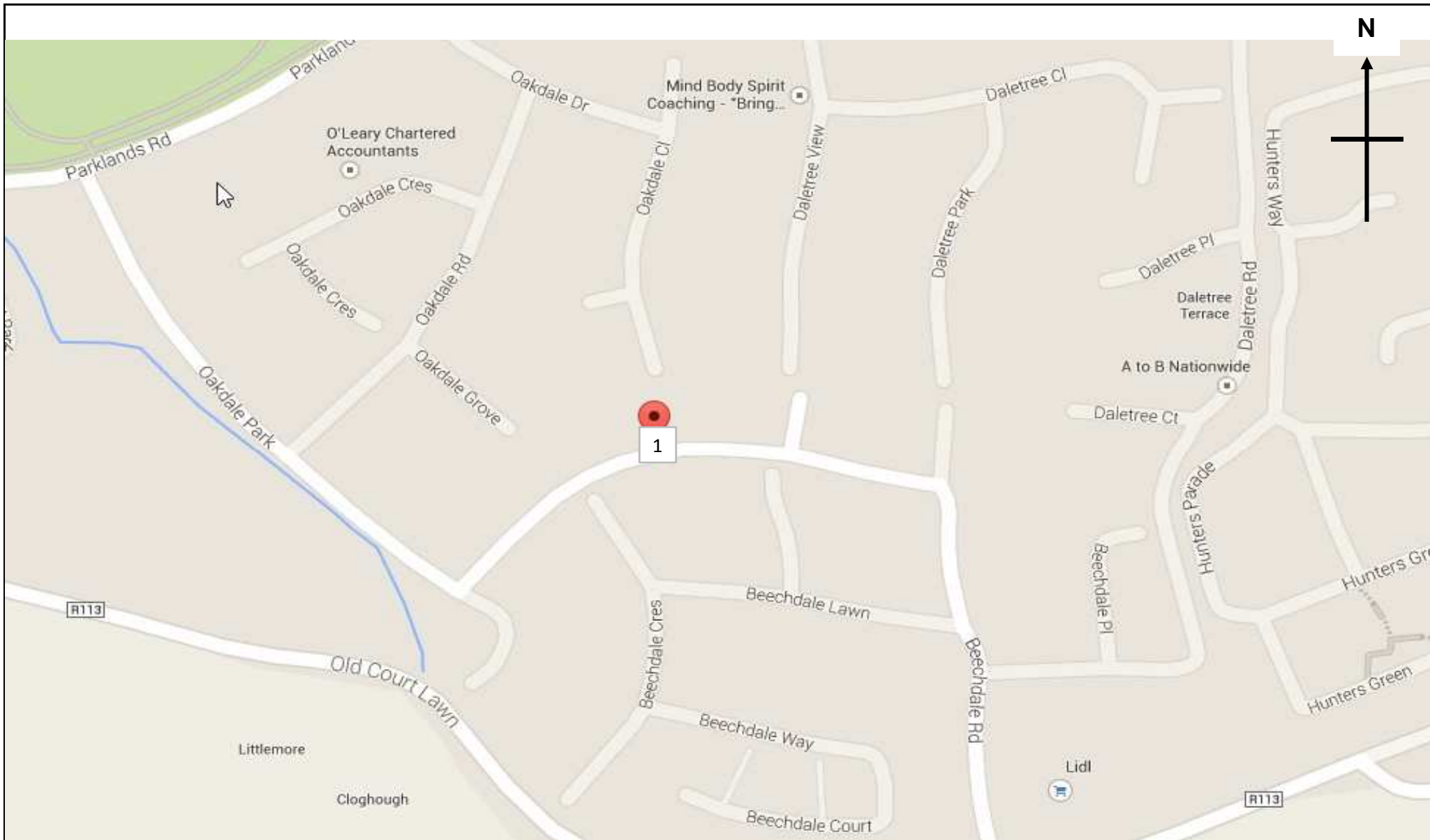
Queues Not required.


Pedestrians Recorded at Site 2.

General Site Notes. None.


APPENDIX A

VEHICLE CATEGORIES














	Site / Location:	1 / Beechdale Avenue, west of Beechdale Close	Project No:	4801	Diagram No:	4801-01	Drawn By:	AC
	Survey Date:	Friday 6th February to Thursday 12th February 2015	Project Name:	BEECHDALE AVENUE-KILLEEN ROAD				
	Survey Times:	00:00 to 00(24):00	Diagram Title:	General Location Plan				

















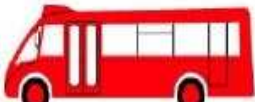


	Site / Location:	2 / Killeen Road	Project No:	4801	Diagram No:	4801-02	Drawn By:	AC
	Survey Date:	Thursday 5th February to Friday 6th February 2015	Project Name:	BEECHDALE AVENUE-KILLEEN ROAD				
	Survey Times:	08:00 to 08:00 (24 hours)	Diagram Title:	General Location Plan				

ATC VEHICLE CATEGORIES

Axles	Groups	Description	Class		Parameters	Dominant Vehicle	Aggregate
2	1 or 2	Very Short - Bicycle or Motorcycle	MC	1	$d(1) < 1.7\text{m}$ & axles=2		1 (Light)
2	1 or 2	Short - Sedan, Wagon, 4WD, Utility, Light Van	SV	2	$d(1) \geq 1.7\text{m}$, $d(1) \leq 3.2\text{m}$ & axles=2		
3, 4 or 5	3	Short Towing - Trailer, Caravan, Boat, etc.	SVT	3	groups=3, $d(1) \geq 2.1\text{m}$, $d(1) \leq 3.2\text{m}$, $d(2) \geq 2.1\text{m}$ & axles=3,4,5		
2	2	Two axle truck or Bus	TB2	4	$d(1) > 3.2\text{m}$ & axles=2		2 (Medium)
3	2	Three axle truck or Bus	TB3	5	axles=3 & groups=2		
>3	2	Four axle truck	T4	6	axles>3 & groups=2		
3	3	Three axle articulated vehicle or Rigid vehicle and trailer	ART3	7	$d(1) > 3.2\text{m}$, axles=3 & groups=3		3 (Heavy)
4	>2	Four axle articulated vehicle or Rigid vehicle and trailer	ART4	8	$d(2) < 2.1\text{m}$ or $d(1) < 2.1\text{m}$ or $d(1) > 3.2\text{m}$ axles = 4 & groups>2		
5	>2	Five axle articulated vehicle or Rigid vehicle and trailer	ART5	9	$d(2) < 2.1\text{m}$ or $d(1) < 2.1\text{m}$ or $d(1) > 3.2\text{m}$ axles=5 & groups>2		
>=6	>2	Six (or more) axle articulated vehicle or Rigid vehicle and trailer	ART6	10	axles=6 & groups>2 or axles>6 & groups=3		
>6	4	B-Double or Heavy truck and trailer	BD	11	groups=4 & axles>6		
>6	>=5	Double or triple road train or Heavy truck and two (or more) trailers	DRT	12	groups>=5 & axles>6		

VEHICLE CATEGORIES

CAR & LIGHT GOODS VEHICLES (LV)	<div>  <p>SALOON</p> </div> <div>  <p>ESTATE</p> </div> <div>  <p>PEOPLE CARRIER</p> </div> <div>  <p>CAR TOWING CARAVAN / TRAILER</p> </div> <div>  <p>VAN</p> </div> <div>  <p><3.5 TONNES – single rear tyres</p> </div> <div>  <p>PICK-UP</p> </div>
HEAVY GOODS VEHICLE (HGV)	<div>  <p>> 3.5 TONNES – twin rear tyres</p> </div> <div>  <p>2-AXLES RIGID</p> </div> <div>  <p>2-AXLES RIGID</p> </div> <div>  <p>3 AXLES-RIGID</p> </div> <div>  <p>4 OR MORE AXLES RIGID</p> </div> <div>  <p>3-AXLES ARTIC</p> </div> <div>  <p>4 OR MORE AXLES ARTIC</p> </div> <div>  <p>OTHER GOODS VEHICLE WITH TRAILER</p> </div>
BUSES & COACHES (PSV)	<div>  <p>DOUBLE DECK BUS</p> </div> <div>  <p>SINGLE DECK BUS OR COACH</p> </div>