

APPENDIX B

TRAFFIC SURVEYS AND TRAFFIC CALCULATIONS



Midlands

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WOODS HARDWICK CROWLAND TRAFFIC SURVEY

SURVEY REPORT JUNE 2014

PROJECT NO.	4095
CHECKED	N. TOONE
DATE	10/07/2014
CONTACT	M. NORRIS
REVISION	



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INTRODUCTION

Nationwide Data Collection (NDC) was instructed by the Woods Hardwick to undertake classified turning counts in Crowland, Lincolnshire. A general location plan is given in Diagram 1.

Classified Turning Counts

Classified turning counts were undertaken at the following junctions:

Site 1 – Harvester Way priority junction

Site 2 – Crease Drove

The surveys were carried out on Wednesday 25th June 2014. Survey hours were 07:00 to 19:00. All information was collected in fifteen-minute intervals and has been tabulated in Excel with hourly totals. Details of the observed movements are given in Drawing 4095-01.

Vehicles were classified into the following categories:

Cars and taxis (**CAR**), Light Goods Vehicles (**LGV**), Other Goods Vehicles type 1 (**OGV1**), Other Goods Vehicles type 2 (**OGV2**), Public Service Vehicles (**PSV**), Motorcycles (**MCL**) & Pedal Cycles (**PCL**).

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

The results of the classified counts are contained in Appendix B.

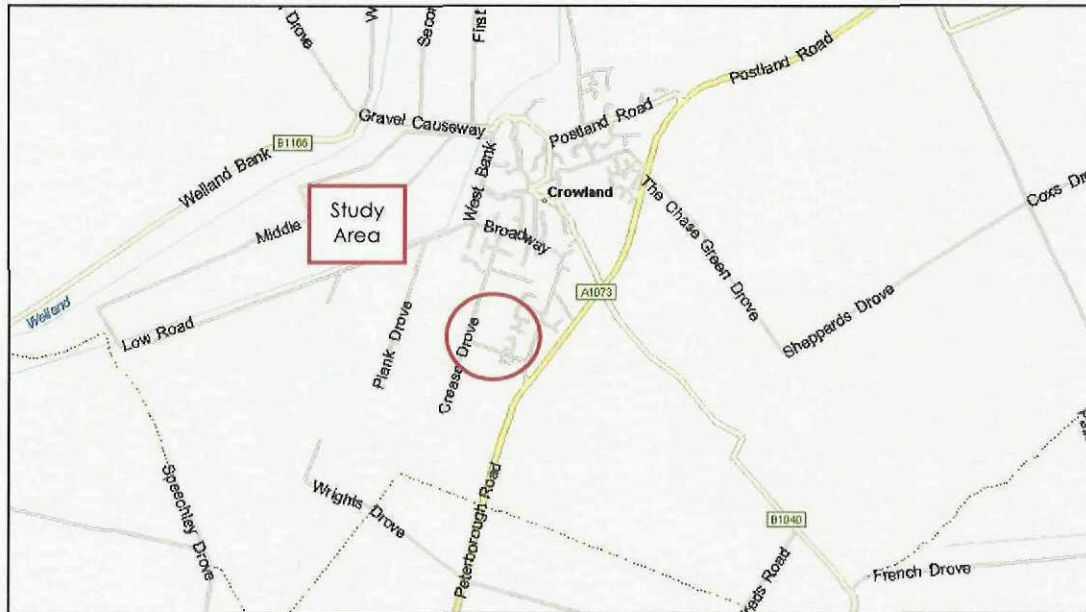
Site Notes

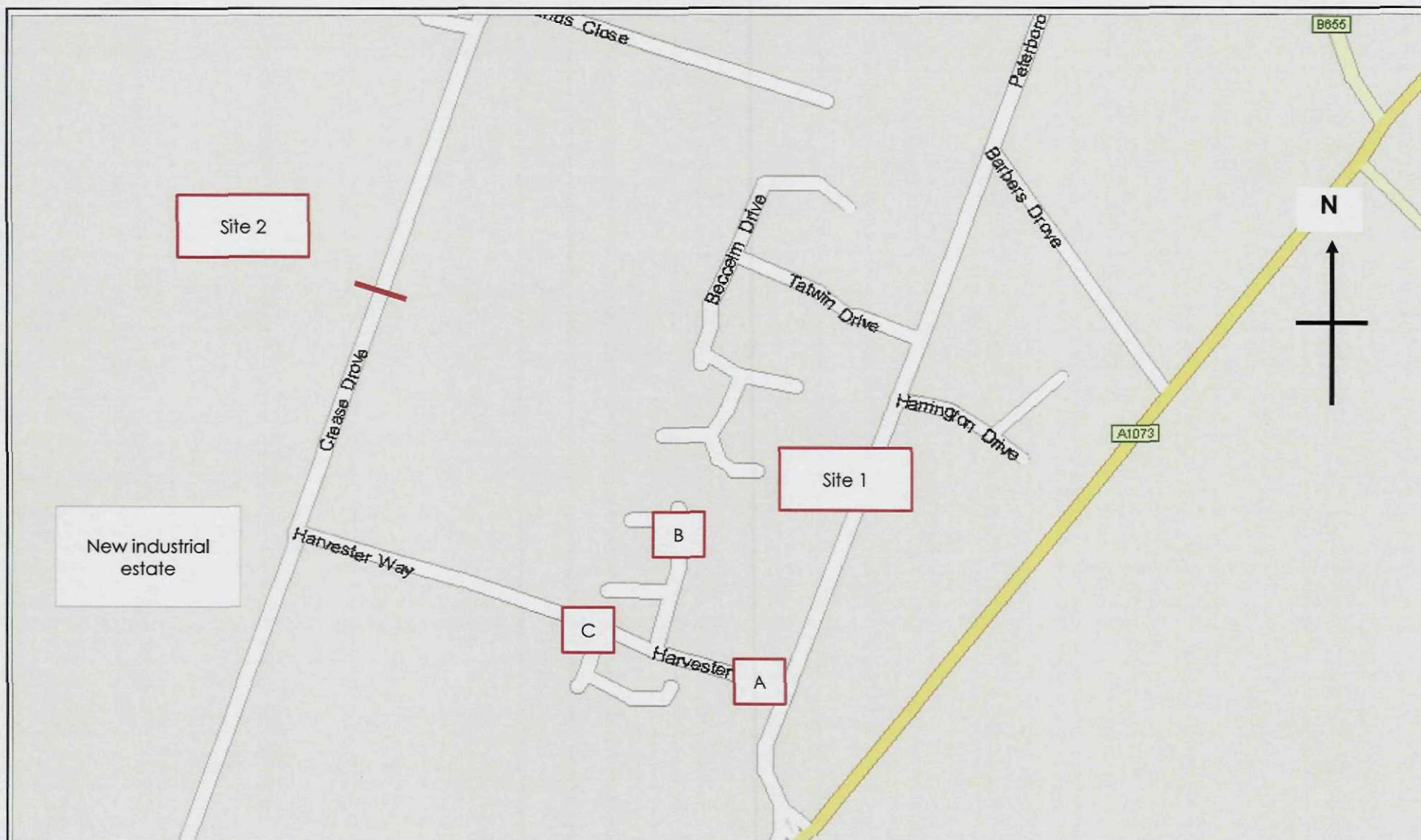
All data has been emailed to George Beevor-Reid at g.beevor-reid@woodshardwick.com

A new industrial estate has been built at the junction of Harvester Way and Crease Drove between sites 1 & 2.

The weather remained fine and sunny throughout the survey and there were no incidents or accidents likely to have had an effect on the results.

Diagram 1 – General Location Plan





	Site / Location:	Site 1, Harvester Way; Site 2, Crease Drive	Project No:	4095	Drawing No:	4095-01	Drawn By:	MN
	Survey Date:	Wednesday 25th June 2014	Project Name:	Crowland				
	Survey Times:	07:00 to 19:00	Drawing Title:	Site Layout and Observed Movements				



APPENDIX A

Vehicle Categories

COBA VEHICLE CATEGORIES

CAR	 SALOON  ESTATE  PEOPLE CARRIER  CAR TOWING CARAVAN / TRAILER
LIGHT GOODS VEHICLE (LGV)	 VAN  <3.5 TONNES – single rear tyres  PICK-UP
OTHER GOODS VEHICLE (OGV1)	 > 3.5 TONNES – twin rear tyres  2-AXLES RIGID  2-AXLES RIGID  3 AXLES-RIGID
OTHER GOODS VEHICLE (OGV2)	 4 OR MORE AXLES RIGID  3-AXLES ARTIC  4 OR MORE AXLES ARTIC  OTHER GOODS VEHICLE WITH TRAILER
BUSES & COACHES (PSV)	 DOUBLE DECK BUS  SINGLE DECK BUS OR COACH



APPENDIX B

Classified Count Data



4095 / CROWLAND
JUNE 2014
CLASSIFIED TURNING COUNT

SITE: 1

DATE: 25/06/2014

LOCATION: Harvester Way

DAY: Wednesday

TIME	CAR	LGV	OGV1	A to C OGV2	PSV	MCL	PCL	TOT
07:00	5	0	0	0	0	0	0	5
07:15	9	0	2	0	0	0	0	11
07:30	7	0	0	0	0	0	0	7
07:45	15	2	0	2	0	0	0	19
H/TOT	36	2	2	2	0	0	0	42
08:00	6	0	1	0	0	0	0	7
08:15	2	1	0	0	0	0	0	3
08:30	1	2	0	0	0	0	0	3
08:45	4	4	1	0	0	0	0	9
H/TOT	13	7	2	0	0	0	0	22
09:00	5	1	0	0	0	0	0	6
09:15	5	2	0	0	1	0	0	8
09:30	8	0	0	0	0	0	0	8
09:45	2	1	0	0	0	1	0	4
H/TOT	20	4	0	0	1	1	0	26
10:00	7	1	0	0	0	0	0	8
10:15	3	2	0	0	0	0	0	5
10:30	5	0	0	0	0	0	0	5
10:45	1	2	0	0	0	0	0	3
H/TOT	16	5	0	0	0	0	0	21
11:00	1	0	1	0	0	0	0	2
11:15	4	4	0	0	0	0	0	8
11:30	2	2	1	0	0	0	0	5
11:45	3	3	2	0	0	0	0	8
H/TOT	10	9	4	0	0	0	0	23
12:00	5	4	2	0	0	0	0	11
12:15	2	1	0	0	0	0	0	3
12:30	3	3	1	0	0	1	1	9
12:45	1	1	0	0	0	0	0	2
H/TOT	11	9	3	0	0	1	1	25
13:00	7	1	1	0	0	0	0	9
13:15	3	0	1	0	0	0	0	4
13:30	2	0	1	0	0	0	0	3
13:45	3	2	1	0	0	0	0	6
H/TOT	15	3	4	0	0	0	0	22
14:00	6	0	0	0	0	0	0	6
14:15	3	0	0	0	0	0	0	3
14:30	6	1	0	0	0	0	1	8
14:45	5	0	1	0	0	0	0	6
H/TOT	20	1	1	0	0	0	1	23
15:00	5	2	0	0	0	0	0	7
15:15	4	3	2	0	0	0	0	9
15:30	5	3	0	1	0	0	1	10
15:45	8	3	1	1	0	0	0	13
H/TOT	22	11	3	2	0	0	1	39
16:00	6	1	0	1	0	0	0	8
16:15	9	4	1	2	0	0	0	16
16:30	12	2	1	0	0	0	0	15
16:45	6	4	0	0	0	0	0	10
H/TOT	33	11	2	3	0	0	0	49
17:00	6	1	0	1	0	0	0	8
17:15	9	0	1	0	0	0	0	10
17:30	11	0	0	0	0	0	0	11
17:45	15	0	0	0	0	0	0	15
H/TOT	41	1	1	1	0	0	0	44
18:00	7	0	0	0	0	0	0	7
18:15	8	0	1	0	0	0	0	9
18:30	6	0	0	0	0	0	0	6
18:45	5	0	0	0	0	0	0	5
H/TOT	26	0	1	0	0	0	0	27
P/TOT	263	63	23	8	1	2	3	363



4095 / CROWLAND
JUNE 2014
CLASSIFIED TURNING COUNT

SITE: 1

DATE: 25/06/2014

LOCATION: Harvester Way

DAY: Wednesday

TIME	CAR	LGV	OGV1	A to B OGV2	PSV	MCL	PCL	TOT
07:00	2	0	0	0	0	0	0	2
07:15	0	0	0	0	0	0	0	0
07:30	1	0	0	0	0	0	0	1
07:45	2	1	0	0	0	0	0	3
H/TOT	5	1	0	0	0	0	0	6
08:00	0	0	0	0	0	0	0	0
08:15	2	0	0	0	0	0	0	2
08:30	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	0	0	0
H/TOT	2	0	0	0	0	0	0	2
09:00	1	0	0	0	0	0	0	1
09:15	1	0	0	0	0	0	0	1
09:30	2	0	0	0	0	0	0	2
09:45	2	0	0	0	0	0	0	2
H/TOT	6	0	0	0	0	0	0	6
10:00	1	0	0	0	0	0	0	1
10:15	0	0	0	0	0	0	0	0
10:30	1	0	0	0	0	0	0	1
10:45	0	0	0	0	0	0	0	0
H/TOT	2	0	0	0	0	0	0	2
11:00	1	0	0	0	0	0	0	1
11:15	1	0	0	0	0	0	0	1
11:30	0	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0
H/TOT	2	0	0	0	0	0	0	2
12:00	0	0	0	0	0	0	0	0
12:15	1	1	0	0	0	0	0	2
12:30	1	0	0	0	0	0	0	1
12:45	2	0	0	0	0	0	0	2
H/TOT	4	1	0	0	0	0	0	5
13:00	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0
13:45	1	0	0	0	0	0	0	1
H/TOT	1	0	0	0	0	0	0	1
14:00	3	1	0	0	0	0	0	4
14:15	2	0	0	0	0	0	0	2
14:30	2	0	0	0	0	0	0	2
14:45	1	0	0	0	0	0	0	1
H/TOT	8	1	0	0	0	0	0	9
15:00	0	0	0	0	0	0	0	0
15:15	6	0	0	0	0	0	0	6
15:30	1	0	0	0	0	0	0	1
15:45	2	0	0	0	0	0	0	2
H/TOT	9	0	0	0	0	0	0	9
16:00	1	0	0	0	0	0	0	1
16:15	0	0	0	0	0	0	0	0
16:30	1	0	0	0	0	0	0	1
16:45	2	1	0	0	0	0	0	3
H/TOT	4	1	0	0	0	0	0	5
17:00	0	0	0	0	0	0	0	0
17:15	0	1	0	0	0	0	0	1
17:30	2	0	0	0	0	0	0	2
17:45	11	0	0	0	0	0	0	11
H/TOT	13	1	0	0	0	0	0	14
18:00	4	0	0	0	0	0	0	4
18:15	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	0
H/TOT	4	0	0	0	0	0	0	4
P/TOT	60	5	0	0	0	0	0	65



4095 / CROWLAND
JUNE 2014
CLASSIFIED TURNING COUNT

SITE: 1

DATE: 25/06/2014

LOCATION: Harvester Way

DAY: Wednesday

TIME	CAR	LGV	OGV1	B to A OGV2	PSV	MCL	PCL	TOT
07:00	2	0	0	0	0	0	0	2
07:15	2	0	0	0	0	0	0	2
07:30	5	0	0	0	0	0	0	5
07:45	5	0	0	0	0	0	0	5
H/TOT	14	0	0	0	0	0	0	14
08:00	1	1	0	0	0	0	0	2
08:15	4	1	0	0	0	0	0	5
08:30	8	0	0	0	0	0	0	8
08:45	3	0	0	0	0	0	0	3
H/TOT	16	2	0	0	0	0	0	18
09:00	2	0	0	0	0	0	0	2
09:15	1	0	0	0	0	0	0	1
09:30	3	0	0	0	0	0	0	3
09:45	1	1	1	0	0	0	0	3
H/TOT	7	1	1	0	0	0	0	9
10:00	1	0	0	0	0	0	0	1
10:15	2	0	0	0	0	0	0	2
10:30	2	0	0	0	0	0	0	2
10:45	1	0	0	0	0	0	0	1
H/TOT	6	0	0	0	0	0	0	6
11:00	0	0	0	0	0	0	0	0
11:15	0	1	0	0	0	0	0	1
11:30	0	0	0	0	0	0	0	0
11:45	1	0	0	0	0	0	0	1
H/TOT	1	1	0	0	0	0	0	2
12:00	1	0	0	0	0	0	0	1
12:15	1	0	0	0	0	0	0	1
12:30	0	0	0	0	0	0	0	0
12:45	1	0	0	0	0	0	0	1
H/TOT	3	0	0	0	0	0	0	3
13:00	0	0	0	0	0	0	0	0
13:15	1	1	0	0	0	0	0	2
13:30	0	0	0	0	0	0	0	0
13:45	1	0	0	0	0	0	0	1
H/TOT	2	1	0	0	0	0	0	3
14:00	3	0	0	0	0	0	0	3
14:15	0	0	0	0	0	0	0	0
14:30	1	0	0	0	0	0	0	1
14:45	0	0	0	0	0	0	0	0
H/TOT	4	0	0	0	0	0	0	4
15:00	4	0	0	0	0	0	0	4
15:15	0	0	0	0	0	0	0	0
15:30	2	0	0	0	0	0	0	2
15:45	0	0	0	0	0	0	0	0
H/TOT	6	0	0	0	0	0	0	6
16:00	0	0	0	0	0	0	0	0
16:15	1	0	0	0	0	0	0	1
16:30	2	0	0	0	0	0	0	2
16:45	1	0	0	0	0	0	0	1
H/TOT	4	0	0	0	0	0	0	4
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0
18:15	1	0	0	0	0	0	0	1
18:30	0	0	0	0	0	0	0	0
18:45	1	0	0	0	0	0	0	1
H/TOT	2	0	0	0	0	0	0	2
P/TOT	65	5	1	0	0	0	0	71



4095 / CROWLAND
JUNE 2014
CLASSIFIED TURNING COUNT

SITE: 1

DATE: 25/06/2014

LOCATION: Harvester Way

DAY: Wednesday

TIME	CAR	LGV	OGV1	B to C OGV2	PSV	MCL	PCL	TOT
07:00	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0
07:30	1	0	0	0	0	0	0	1
07:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	0	0	0	0	1
08:00	0	0	0	0	0	0	0	0
08:15	1	0	0	0	0	0	0	1
08:30	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	0	0	0	0	1
09:00	0	0	0	0	0	0	0	0
09:15	0	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	0
09:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
12:00	0	0	0	0	0	0	0	0
12:15	0	1	0	0	0	0	0	1
12:30	1	0	0	0	0	0	0	1
12:45	0	0	0	0	0	0	0	0
H/TOT	1	1	0	0	0	0	0	2
13:00	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
14:00	0	1	0	0	0	0	0	1
14:15	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0
H/TOT	0	1	0	0	0	0	0	1
15:00	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	1	0	0	0	0	0	0	1
H/TOT	1	0	0	0	0	0	0	1
18:00	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
P/TOT	4	2	0	0	0	0	0	6



4095 / CROWLAND
JUNE 2014
CLASSIFIED TURNING COUNT

SITE: 1

DATE: 25/06/2014

LOCATION: Harvester Way

DAY: Wednesday

TIME	CAR	LGV	OGV1	C to B OGV2	PSV	MCL	PCL	TOT
07:00	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0
08:30	1	1	0	0	0	0	0	2
08:45	2	0	0	0	0	0	0	2
H/TOT	3	1	0	0	0	0	0	4
09:00	0	0	0	0	0	0	0	0
09:15	0	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	0
09:45	1	0	0	0	0	0	0	1
H/TOT	1	0	0	0	0	0	0	1
10:00	0	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0
11:15	1	1	0	0	0	0	0	2
11:30	0	0	0	0	0	0	0	0
11:45	1	0	0	0	0	0	0	1
H/TOT	2	1	0	0	0	0	0	3
12:00	1	0	0	0	0	0	0	1
12:15	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	0	0	0	0	1
13:00	0	0	0	0	0	0	0	0
13:15	1	0	0	0	0	0	0	1
13:30	0	0	0	0	0	0	0	0
13:45	1	0	0	0	0	0	0	1
H/TOT	2	0	0	0	0	0	0	2
14:00	0	0	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0
14:45	1	0	0	0	0	0	0	1
H/TOT	1	0	0	0	0	0	0	1
15:00	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0
15:30	1	0	0	0	0	0	0	1
15:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	0	0	0	0	1
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	1	0	0	0	0	0	0	1
17:30	1	0	0	0	0	0	0	1
17:45	1	0	0	0	0	0	0	1
H/TOT	3	0	0	0	0	0	0	3
18:00	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0
18:30	1	0	0	0	0	0	0	1
18:45	0	0	0	0	0	0	0	0
H/TOT	1	0	0	0	0	0	0	1
P/TOT	15	2	0	0	0	0	0	17