

**HGVs on the A338 and A346 through Tidworth, Collingbournes,
Savernake and Marlborough**

**Information taken from the
WCC A338/A346 HGV Registration Plate Survey of October 2006.**

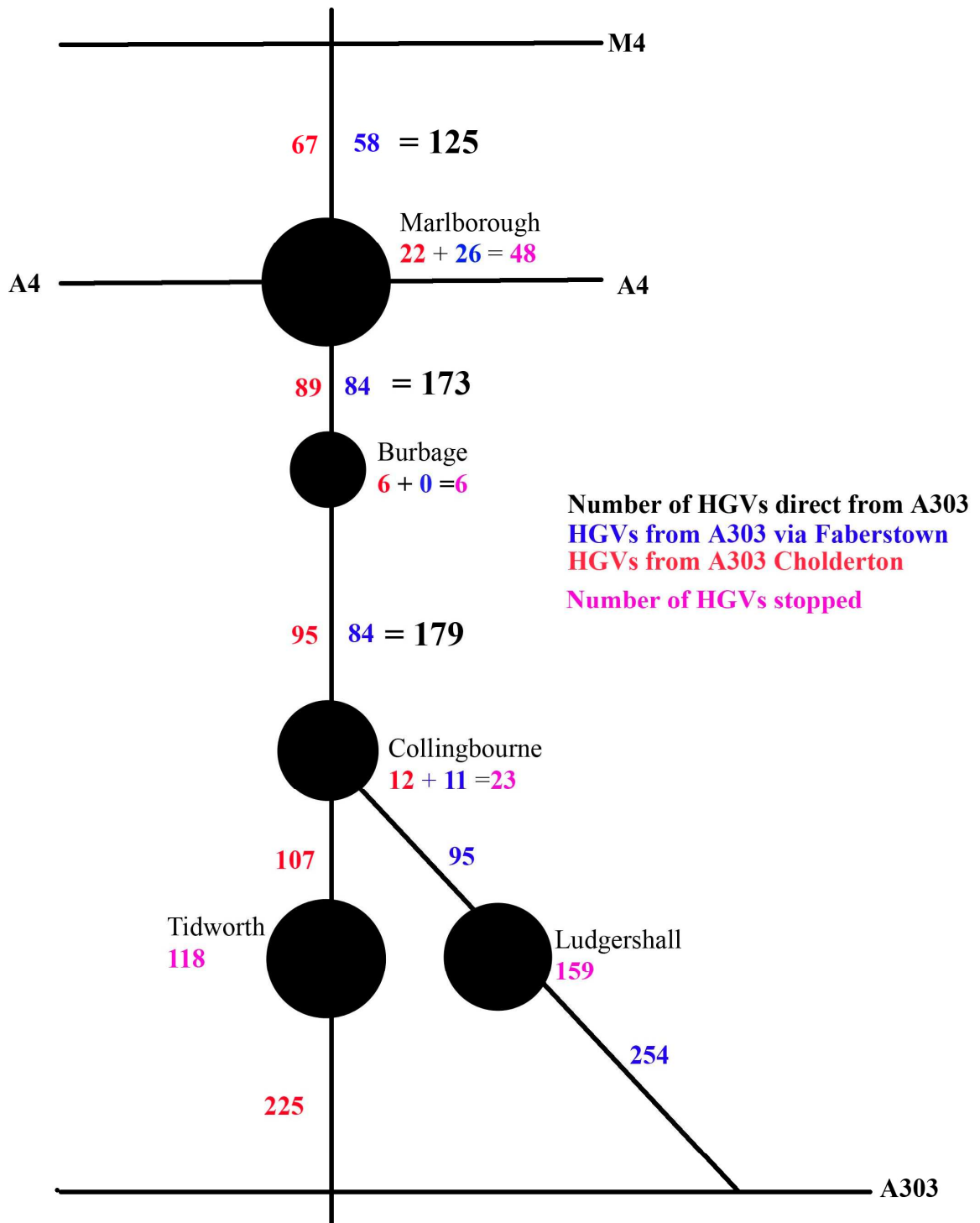
**The number and percentage of HGVs through the different sections of the
route is illustrated both by flow diagrams and in tabulated form.
by Joan Davies and Charles Howard, December 2008**

The number plate recognition survey was carried out over a 10 hour period on a day in October 2006. This survey looked at northbound lorry movements between the A303 from both Faberstown and Cholderton via the Collingbournes, Burbage, Savernake, and Marlborough to the M4 J15 at Chisledon. The report gave information about the number of HGVs which stopped at places on the route as well as those which started or entered at intermediate places on the route. The WCC report gives the total number and percentage of HGVs through the beginning and ends of the corridor but it lacks these details for the Collingbournes and Savernake. By using all of the data in the report it is possible to work out the traffic flows at points along the route and to calculate the figures for intermediate places. The WCC gives the percentage of through HGVs as 26% at the southern end and 29% at the northern end of the corridor. The method shows the percentages to be higher at intermediate points on the route.

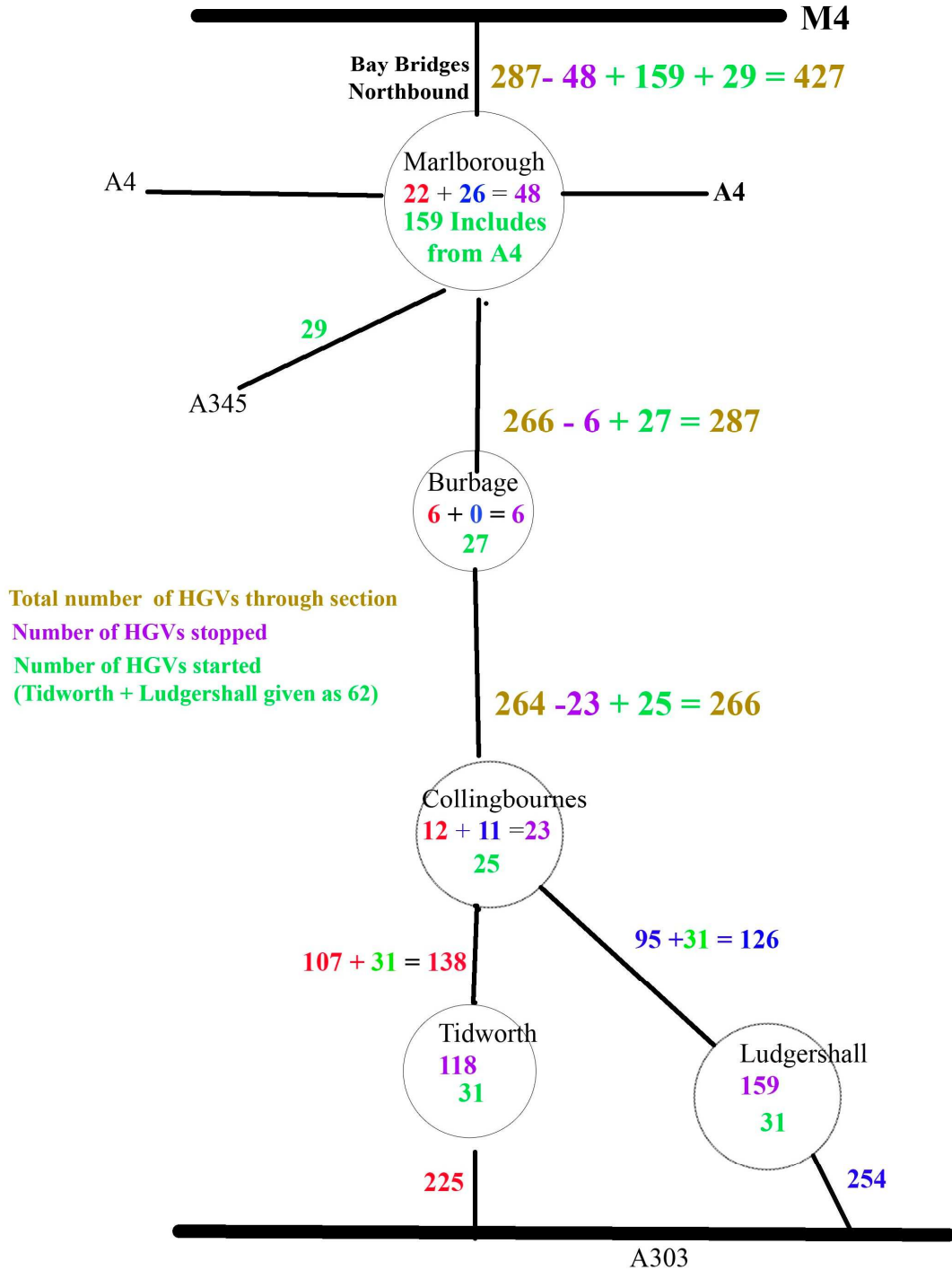
The method used was a step by step one:-

1. Fig1 illustrates the number of HGVs which do not stop between the A303 and the M4. The number of HGVs entering at the southern end at both Faberstown and at Cholderton is given and at each subsequent place the number that stopped is subtracted to give the number of HGVs continuing along the route. The numbers stopping at the different places is taken from Table 4.1 of the WCC report (duplicated on page 5). The number of HGVs arriving at Bay Bridges (north of Marlborough) without stopping on route is 125 of which 58 came from Faberstown and 67 came from Cholderton. This is illustrated in Fig 1 and entered in the first four columns of the table on page 4.
2. Fig 2 shows the total number of HGVs travelling through each section of the route. The number that started and entered at various places along the route is taken from section 4.4 in the list following Table 4.3 of the WCC Survey report (duplicated on page 5). This information is combined with the data of the HGVs which stopped as in fig 1. The results have been entered into the Table in columns 5 and 6.
3. In the table the final column gives the percentage of straight through HGVs at the different sections on the route.

**Number of HGVs travelling North on the A338 & A346
in a 10 hour period. Illustrating the number direct from the A303**
Information from the HGV Registration Plate Survey, October 2006 (WCC Report)



**Number of HGVs travelling North on the A338 & A346
in a 10 hr period,
from the HGV Registration Plate Survey, October 2006, (WCC Survey Report, August 2007)**



Northbound HGVS during a 10 hour period

Place	HGVs entered	Stopped	Continued	Started	Total HGVs continued	125 through HGVs (58 from Faberstown + 67 Cholderton)
Total from A303 ie combined Faberstown & Cholderton	479				479	$125/479 \times 100 = 26\%$
Faberstown	254				254	$58/254 \times 100 = 23\%$
Ludgershall	254	159	95	31	126	$58/126 \times 100 = 46\%$
A346/2 C Ducis	126				126	$58/126 \times 100 = 46\%$
Cholderton	225				225	$67/225 \times 100 = 30\%$
Tidworth	225	118	107	31	138	$67/138 \times 100 = 49\%$
A338 C Ducis on bends, by church,	138				138	$67/138 \times 100 = 49\%$
Collingbournes (combined A338 & A 342/6)	264	23	241	25	266	$125/266 \times 100 = 47\%$
Burbage	266	6	260	27	287	$125/287 \times 100 = 44\%$
Savernake	287				287	$125/287 \times 100 = 44\%$
Marlborough	287	48	239	159 (includes from A4) + 29 from A345	427	$125/427 \times 100 = 29\%$
Bay Bridges	427				427	$125/427 \times 100 = 29\%$

Information copied from the WCC Report and used in the above

Table 4.1 – HGVs & Coaches Entering from A303/A338						
To From	Tidworth / Ludgershall	Collingbourne	Burbage	Marlborough	M4 J15	TOTAL
A342 Faberstown	159 (63%)	11 (4%)	0	26 (10%)	58 (23%)	254
A338 Cholderton	118 (52%)	12 (5%)	6 (3%)	22 (10%)	67 (30%)	225
Combined	277 (58%)	23 (5%)	6 (1%)	48 (10%)	125 (26%)	479

The number of sites used in the 2006 registration plate survey has enabled the approximate origins from within the corridor, and other external trips passing the A346 Bay Bridge site to be established. The approximate origins are as follows;

A346 North of Marlborough – Approximate Origins of HGV/Coach Trips;

A303 (via A342 Faberstown)	58	}	
A303 & A338 (Salisbury)	67	}	<i>Combined through trips 125</i>
Tidworth/Ludgershall	62		
Collingbournes	25		
Burbage/Savernake	27		
A345/Amesbury/Durrington	6		
A345 Upavon/Pewsey	23		
A4 / Marlborough	159		
Total	427		