

1NQ/22

2703 LB GREENWICH - FEB 06

CALCULATION CHECK

2703/54 Table 3

Check of calculation of GEH values and check of calculated %age differences. See also manual calculation.

NB - source of flow data used in Table 3 is not given in 2703/54.

Link	UPDATED MODEL		Babbie GEH	Check GEH	Babbie % diff	Check % diff	Check GEH<3? 1=Yes, 0=No
	2005 count	Updated model					
Central Way NB	219	329	9.5	6.4	-37.5%	32.6%	0
Central Way SB	409	357	12.2	2.6	-43.1%	-16.3%	1
Eastern Way EB	399	720	5.0	13.0	-18.7%	44.8%	0
Eastern Way WB	667	693	0.4	11.3	1.2%	32.3%	0
Western Way NB	965	1561	20.9	18.8	66.3%	38.2%	0
Western Way SB	505	635	0.3	16.5	-1.0%	40.8%	0
Painsteead Rd WY WB	382	1718	4.6	41.2	-10.0%	77.8%	0
Painsteead Rd WB	691	654	0.1	2.1	0.4%	6.6%	1
Carlisle Rd NB	148	319	20.2	10.9	-60.2%	52.7%	0
Carlisle Rd SB	442	218	25.8	14.5	-72.7%	-126.7%	0
H Manor Way N NB	192	1094	0.3	35.8	-1.0%	82.4%	0
H Manor Way N SB	464	689	0.5	16	-1.8%	47.3%	0
Bostall Hill East EB	9	379	0.4	26.5	-1.8%	97.6%	0
Bostall Hill East WB	148	614	0.4	24	-1.8%	76.2%	0
Wickham Lane NB	350	206	0.1	3	0.3%	-18.2%	1
Wickham Lane SB	446	242	12.5	11	-49.6%	-84.3%	0
Bostall Rd West EB	382	432	4.1	2	-17.1%	6.3%	1
Bostall Rd West WB	30	610	0.7	37.8	-2.5%	95.8%	0
						No of samples	18
						No with check GEH<3	4

CALCULATION SHEET

Sheet 1 of 1

PROJECT TGB

Prepared JPN

TOPIC 2703/54 Table 3

Date 17/2/06

Central Way Northbound

M = modelled flow = 325

C = observed flow = 219

$$\therefore GEH = \sqrt{N \frac{(m-c)^2}{(m+c)/2}} \dots \dots \text{DMRB Vol 12 S2 P11}$$

4.4.92

$$= \sqrt{N \frac{(325-219)^2}{(325+219)/2}}$$

$$= \sqrt{N \frac{106^2}{544/2}}$$

$$= \sqrt{N \frac{11236}{272}}$$

$$= \sqrt{41.309}$$

$$= \underline{6.427}$$