



TRAFFIC SURVEY REPORT

KELLAS ROAD, DUNDEE

TRANSURVEYS LIMITED

BLUE SQUARE OFFICES, 272 BATH STRET, GLASGOW, G2 4JR

TRAFFIC SURVEY REPORT

QUALITY MANAGEMENT

CLIENT Cameron + Ross
PROJECT Kellas Road, Dundee
REFERENCE TS-24-068
REVISION 001

Revision	Date	Prepared by	Signed	Checked by	Signed
001	12/07/2024	Neil Dempsey		Neil Dempsey	

DISCLAIMER

This report is for the private and confidential use of the client who is defined within the report, and for whom it was prepared for the purposes requested by the client. It should not be reproduced in whole or in part or relied upon by any third party for any use whatsoever without the express written authority of Transurveys Limited.

SURVEY NETWORK

Junction Turning Counts & Queue Surveys

1. B961 (Drumgeith Road) / Kellas Road Priority Junction



SURVEY NETWORK

Automatic Traffic Counts



ATC#1: Unnamed road east of Duntrune House

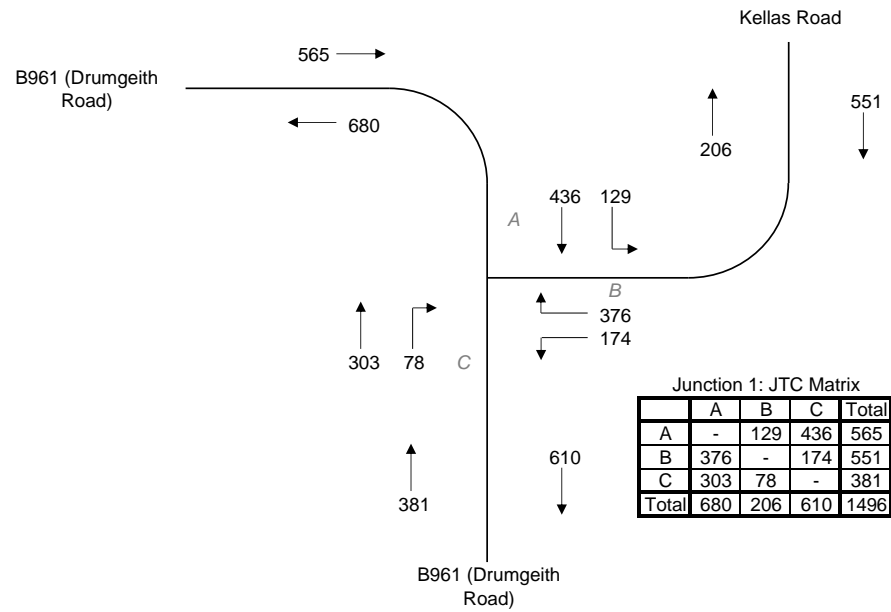


ATC#2: Kellas Road, approximately 30m south/west of unnamed road



CLASSIFIED VEHICLE JUNCTION TURNING COUNTS

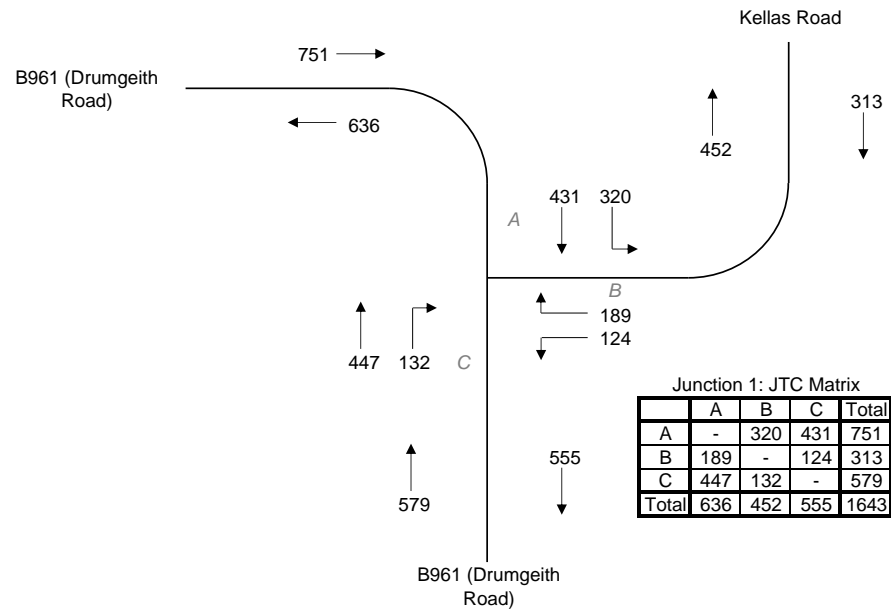
NETWORK TRAFFIC FLOW DIAGRAM



Project: Kellas Road, Dundee
Client: Cameron + Ross
Project.Ref: TS-24-068

Weekday AM Hour 07:45 - 08:45
Peak Hour
Veh.Classification TOTAL PCUs
Date: Tuesday 25 June 2024

NETWORK TRAFFIC FLOW DIAGRAM



Project: Kellas Road, Dundee
Client: Cameron + Ross
Project.Ref: TS-24-068

Weekday PM Hour 16:30 - 17:30
Veh. Classification TOTAL PCUs
Date: Tuesday 25 June 2024

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: Kellas Road, Dundee

Client: Cameron + Ross

Project Ref: TS-24-068

Date: Tuesday 25 June 2024

Weather: AM & PM: Dry / Sunny Intervals

Junction 1: B961 (Drumgeith Road) / Kellas Road Priority Junction

Movement 1.1: B961 (Drumgeith Road) (North) to Kellas Road Left Turn (A-B)

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:00 - 07:15	0	0	4	4	0	0	0	8	0	8.00
07:15 - 07:30	0	0	8	5	0	0	0	13	0	13.00
07:30 - 07:45	0	0	15	9	1	0	1	26	2	27.50
07:45 - 08:00	0	0	22	8	1	0	2	33	3	35.50
08:00 - 08:15	0	0	19	7	1	0	1	28	2	29.50
08:15 - 08:30	0	0	22	7	0	0	0	29	0	29.00
08:30 - 08:45	0	0	22	9	1	1	0	33	2	34.80
08:45 - 09:00	1	0	29	9	0	0	0	39	0	38.20
09:00 - 09:15	0	0	18	8	1	0	0	27	1	27.50
09:15 - 09:30	0	0	17	12	0	0	0	29	0	29.00
09:30 - 09:45	0	0	23	5	1	1	0	30	2	31.80
09:45 - 10:00	0	0	21	5	0	2	0	28	2	30.60
TOTAL	1	0	220	88	6	4	4	323	14	334.40

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	0	0	85	31	3	1	3	123	7	128.80
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	0	0	85	31	3	1	3	123	7	128.80

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:30 - 15:45	0	0	37	10	0	1	0	48	1	49.30
15:45 - 16:00	0	0	47	2	0	0	0	49	0	49.00
16:00 - 16:15	0	1	56	9	0	1	0	67	1	67.70
16:15 - 16:30	0	0	61	12	0	1	0	74	1	75.30
16:30 - 16:45	0	1	70	9	0	0	0	80	0	79.40
16:45 - 17:00	0	2	56	7	1	1	0	67	2	67.60
17:00 - 17:15	0	1	63	12	0	0	0	76	0	75.40
17:15 - 17:30	1	0	84	11	0	1	0	97	1	97.50
17:30 - 17:45	0	1	72	13	0	0	0	86	0	85.40
17:45 - 18:00	1	0	47	4	0	0	0	52	0	51.20
18:00 - 18:15	0	1	65	3	0	0	0	69	0	68.40
18:15 - 18:30	0	0	38	4	0	0	0	42	0	42.00
TOTAL	2	7	696	96	1	5	0	807	6	808.20

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	1	4	273	39	1	2	0	320	3	319.90
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	1	4	273	39	1	2	0	320	3	319.90

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: Kellas Road, Dundee

Client: Cameron + Ross

Project Ref: TS-24-068

Date: Tuesday 25 June 2024

Weather: AM & PM: Dry / Sunny Intervals

Junction 1: B961 (Drumgeith Road) / Kellas Road Priority Junction

Movement 1.2: B961 (Drumgeith Road) (North) to B961 (Drumgeith Road) (South) Ahead (A-C)

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:00 - 07:15	0	0	25	7	0	0	2	34	2	36.00
07:15 - 07:30	1	1	45	14	0	2	0	63	2	64.20
07:30 - 07:45	2	0	61	14	2	5	0	84	7	89.90
07:45 - 08:00	0	1	96	13	2	1	1	114	4	116.70
08:00 - 08:15	0	0	67	16	3	1	1	88	5	91.80
08:15 - 08:30	0	0	93	19	3	2	0	117	5	121.10
08:30 - 08:45	0	1	78	13	4	3	1	100	8	106.30
08:45 - 09:00	0	0	65	15	4	1	1	86	6	90.30
09:00 - 09:15	0	0	53	18	1	3	1	76	5	81.40
09:15 - 09:30	0	0	58	19	0	2	0	79	2	81.60
09:30 - 09:45	0	0	43	12	3	1	0	59	4	61.80
09:45 - 10:00	1	0	47	16	0	2	1	67	3	69.80
TOTAL	4	3	731	176	22	23	8	967	53	1010.90

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	0	2	334	61	12	7	3	419	22	435.90
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	0	2	334	61	12	7	3	419	22	435.90

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:30 - 15:45	0	0	69	22	3	1	0	95	4	97.80
15:45 - 16:00	0	0	76	11	3	3	1	94	7	100.40
16:00 - 16:15	0	0	76	13	4	1	0	94	5	97.30
16:15 - 16:30	0	0	80	15	1	2	1	99	4	103.10
16:30 - 16:45	0	0	97	18	1	2	0	118	3	121.10
16:45 - 17:00	1	0	86	10	0	2	2	101	4	104.80
17:00 - 17:15	0	0	91	14	1	0	0	106	1	106.50
17:15 - 17:30	1	0	83	11	0	1	1	97	2	98.50
17:30 - 17:45	0	0	74	13	0	0	0	87	0	87.00
17:45 - 18:00	0	0	58	5	1	0	1	65	2	66.50
18:00 - 18:15	0	0	65	3	0	0	0	68	0	68.00
18:15 - 18:30	0	0	56	9	1	1	2	69	4	72.80
TOTAL	2	0	911	144	15	13	8	1093	36	1123.80

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	2	0	357	53	2	5	3	422	10	430.90
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	2	0	357	53	2	5	3	422	10	430.90

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: Kellas Road, Dundee

Client: Cameron + Ross

Project Ref: TS-24-068

Date: Tuesday 25 June 2024

Weather: AM & PM: Dry / Sunny Intervals

Junction 1: B961 (Drumgeith Road) / Kellas Road Priority Junction

Movement 1.3: Kellas Road to B961 (Drumgeith Road) (South) Left Turn (B-C)

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:00 - 07:15	0	0	11	1	0	1	0	13	1	14.30
07:15 - 07:30	0	0	12	3	2	0	0	17	2	18.00
07:30 - 07:45	1	0	20	3	0	0	0	24	0	23.20
07:45 - 08:00	0	0	29	8	0	0	0	37	0	37.00
08:00 - 08:15	0	0	28	10	0	0	1	39	1	40.00
08:15 - 08:30	1	0	45	9	0	2	0	57	2	58.80
08:30 - 08:45	0	1	32	6	0	0	0	39	0	38.40
08:45 - 09:00	4	1	31	4	0	1	0	41	1	38.50
09:00 - 09:15	0	0	29	4	0	0	0	33	0	33.00
09:15 - 09:30	1	1	14	2	2	0	0	20	2	19.60
09:30 - 09:45	0	0	24	7	1	0	0	32	1	32.50
09:45 - 10:00	0	1	23	3	0	0	1	28	1	28.40
TOTAL	7	4	298	60	5	4	2	380	11	381.70

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	1	1	134	33	0	2	1	172	3	174.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	1	1	134	33	0	2	1	172	3	174.20

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:30 - 15:45	0	0	27	7	0	0	0	34	0	34.00
15:45 - 16:00	0	0	23	3	1	0	0	27	1	27.50
16:00 - 16:15	0	0	24	4	0	0	0	28	0	28.00
16:15 - 16:30	0	1	30	9	1	0	0	41	1	40.90
16:30 - 16:45	1	0	16	7	0	0	0	24	0	23.20
16:45 - 17:00	1	0	32	5	0	0	0	38	0	37.20
17:00 - 17:15	0	0	30	4	1	0	0	35	1	35.50
17:15 - 17:30	0	0	26	2	0	0	0	28	0	28.00
17:30 - 17:45	0	0	20	5	0	0	0	25	0	25.00
17:45 - 18:00	0	0	20	3	0	0	0	23	0	23.00
18:00 - 18:15	1	0	24	2	0	0	0	27	0	26.20
18:15 - 18:30	0	0	19	3	0	0	0	22	0	22.00
TOTAL	3	1	291	54	3	0	0	352	3	350.50

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	2	0	104	18	1	0	0	125	1	123.90
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	2	0	104	18	1	0	0	125	1	123.90

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: Kellas Road, Dundee

Client: Cameron + Ross

Project Ref: TS-24-068

Date: Tuesday 25 June 2024

Weather: AM & PM: Dry / Sunny Intervals

Junction 1: B961 (Drumgeith Road) / Kellas Road Priority Junction

Movement 1.4: Kellas Road to B961 (Drumgeith Road) (North) Right Turn (B-A)

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:00 - 07:15	0	0	47	8	0	0	0	55	0	55.00
07:15 - 07:30	0	0	46	25	0	0	0	71	0	71.00
07:30 - 07:45	0	0	73	14	0	1	0	88	1	89.30
07:45 - 08:00	1	1	72	9	2	1	0	86	3	86.90
08:00 - 08:15	0	0	88	10	0	0	0	98	0	98.00
08:15 - 08:30	0	1	83	12	0	0	1	97	1	97.40
08:30 - 08:45	0	0	85	9	0	0	0	94	0	94.00
08:45 - 09:00	0	0	44	5	0	2	0	51	2	53.60
09:00 - 09:15	0	0	51	9	1	0	1	62	2	63.50
09:15 - 09:30	0	0	45	9	0	1	0	55	1	56.30
09:30 - 09:45	0	0	28	6	0	0	0	34	0	34.00
09:45 - 10:00	0	0	31	2	0	1	0	34	1	35.30
TOTAL	1	2	693	118	3	6	2	825	11	834.30

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	1	2	328	40	2	1	1	375	4	376.30
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	1	2	328	40	2	1	1	375	4	376.30

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:30 - 15:45	0	0	41	13	0	0	0	54	0	54.00
15:45 - 16:00	0	2	30	5	0	0	1	38	1	37.80
16:00 - 16:15	0	0	27	11	0	1	1	40	2	42.30
16:15 - 16:30	0	0	33	13	0	0	0	46	0	46.00
16:30 - 16:45	0	0	31	8	0	1	3	43	4	47.30
16:45 - 17:00	1	1	43	8	1	0	0	54	1	53.10
17:00 - 17:15	0	0	35	10	0	0	0	45	0	45.00
17:15 - 17:30	0	0	36	5	0	1	0	42	1	43.30
17:30 - 17:45	0	0	34	4	0	2	0	40	2	42.60
17:45 - 18:00	0	0	32	3	0	0	0	35	0	35.00
18:00 - 18:15	0	0	36	4	0	0	0	40	0	40.00
18:15 - 18:30	0	0	29	4	0	0	0	33	0	33.00
TOTAL	1	3	407	88	1	5	5	510	11	519.40

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	1	1	145	31	1	2	3	184	6	188.70
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	1	1	145	31	1	2	3	184	6	188.70

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: Kellas Road, Dundee

Client: Cameron + Ross

Project Ref: TS-24-068

Date: Tuesday 25 June 2024

Weather: AM & PM: Dry / Sunny Intervals

Junction 1: B961 (Drumgeith Road) / Kellas Road Priority Junction

Movement 1.5: B961 (Drumgeith Road) (South) to B961 (Drumgeith Road) (North) Ahead (C-A)

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:00 - 07:15	0	0	20	5	2	2	0	29	4	32.60
07:15 - 07:30	0	0	24	7	0	2	0	33	2	35.60
07:30 - 07:45	0	0	42	8	2	2	0	54	4	57.60
07:45 - 08:00	1	0	55	16	2	0	0	74	2	74.20
08:00 - 08:15	0	0	49	14	4	3	0	70	7	75.90
08:15 - 08:30	0	0	68	14	1	2	0	85	3	88.10
08:30 - 08:45	0	0	52	11	0	0	1	64	1	65.00
08:45 - 09:00	0	0	66	6	1	2	2	77	5	82.10
09:00 - 09:15	1	0	48	13	4	4	0	70	8	76.40
09:15 - 09:30	1	0	54	12	1	1	1	70	3	72.00
09:30 - 09:45	0	0	36	11	0	0	0	47	0	47.00
09:45 - 10:00	5	0	56	21	1	1	1	85	3	83.80
TOTAL	8	0	570	138	18	19	5	758	42	790.30

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	1	0	224	55	7	5	1	293	13	303.20
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	1	0	224	55	7	5	1	293	13	303.20

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:30 - 15:45	0	0	104	12	2	4	0	122	6	128.20
15:45 - 16:00	0	0	86	11	0	2	1	100	3	103.60
16:00 - 16:15	1	0	77	16	1	2	1	98	4	101.30
16:15 - 16:30	0	0	79	13	1	2	0	95	3	98.10
16:30 - 16:45	0	0	105	16	0	1	0	122	1	123.30
16:45 - 17:00	0	0	64	12	2	0	1	79	3	81.00
17:00 - 17:15	0	0	115	17	0	0	0	132	0	132.00
17:15 - 17:30	1	0	98	8	0	1	1	109	2	110.50
17:30 - 17:45	1	0	69	3	0	1	0	74	1	74.50
17:45 - 18:00	0	0	84	8	0	1	0	93	1	94.30
18:00 - 18:15	0	0	69	4	0	1	1	75	2	77.30
18:15 - 18:30	0	0	64	6	0	0	1	71	1	72.00
TOTAL	3	0	1014	126	6	15	6	1170	27	1196.10

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	1	0	382	53	2	2	2	442	6	446.80
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	1	0	382	53	2	2	2	442	6	446.80

CLASSIFIED VEHICLE JUNCTION TURNING COUNT

Project: Kellas Road, Dundee

Client: Cameron + Ross

Project Ref: TS-24-068

Date: Tuesday 25 June 2024

Weather: AM & PM: Dry / Sunny Intervals

Junction 1: B961 (Drumgeith Road) / Kellas Road Priority Junction

Movement 1.6: B961 (Drumgeith Road) (South) to Kellas Road Right Turn (C-B)

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:00 - 07:15	0	0	10	2	0	0	0	12	0	12.00
07:15 - 07:30	0	0	16	2	0	0	0	18	0	18.00
07:30 - 07:45	0	0	9	2	0	0	1	12	1	13.00
07:45 - 08:00	0	0	7	6	0	0	0	13	0	13.00
08:00 - 08:15	0	0	13	6	2	0	0	21	2	22.00
08:15 - 08:30	0	0	13	5	1	0	0	19	1	19.50
08:30 - 08:45	0	0	16	7	0	0	0	23	0	23.00
08:45 - 09:00	0	0	22	3	0	0	0	25	0	25.00
09:00 - 09:15	0	0	18	3	0	0	1	22	1	23.00
09:15 - 09:30	0	0	13	3	0	0	0	16	0	16.00
09:30 - 09:45	0	3	15	3	0	0	0	21	0	19.20
09:45 - 10:00	0	3	14	4	0	0	0	21	0	19.20
TOTAL	0	6	166	46	3	0	2	223	5	222.90

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	0	0	49	24	3	0	0	76	3	77.50
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
07:45 - 08:45	0	0	49	24	3	0	0	76	3	77.50

TIME	VEHICLE CLASSIFICATION							TOTAL		
	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
15:30 - 15:45	0	0	21	5	0	0	0	26	0	26.00
15:45 - 16:00	1	0	30	2	2	0	0	35	2	35.20
16:00 - 16:15	2	0	30	4	0	0	0	36	0	34.40
16:15 - 16:30	0	1	27	7	1	0	0	36	1	35.90
16:30 - 16:45	0	2	35	9	0	0	1	47	1	46.80
16:45 - 17:00	0	0	24	6	0	0	0	30	0	30.00
17:00 - 17:15	1	1	31	1	0	0	0	34	0	32.60
17:15 - 17:30	0	0	23	0	0	0	0	23	0	23.00
17:30 - 17:45	0	0	30	3	0	0	0	33	0	33.00
17:45 - 18:00	0	0	35	2	0	0	0	37	0	37.00
18:00 - 18:15	0	0	17	6	0	0	1	24	1	25.00
18:15 - 18:30	0	0	15	3	0	0	0	18	0	18.00
TOTAL	4	4	318	48	3	0	2	379	5	376.90

PEAK	VEHICLE CLASSIFICATION							TOTAL		
JUNCTION	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	1	3	113	16	0	0	1	134	1	132.40
NETWORK	B/CYCLE	M/CYCLE	CAR/TAXI	LGV	OGV1	OGV2	BUS/COACH	VEHICLES	HGVs	PCUs
16:30 - 17:30	1	3	113	16	0	0	1	134	1	132.40

VEHICLE QUEUE SURVEYS

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: Kellas Road, Dundee

Client: Cameron + Ross

Project Ref: TS-24-068

Date: Tuesday 25 June 2024

Weather: Dry / Sunny Intervals

Junction 1: B961 (Drumgeith Road) / Kellas Road Priority Junction

TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE				
	B961 (DRUMGEITH ROAD) (NORTH) (A-BC)	KELLAS ROAD		B961 (DRUMGEITH ROAD) (SOUTH) (C-B) RIGHT TURN	
		NEAR. (B-C)	OFF. (B-A)		
07:00	07:05	-	0	2	0
07:05	07:10	-	0	1	0
07:10	07:15	-	0	2	0
07:15	07:20	-	0	1	1
07:20	07:25	-	0	7	2
07:25	07:30	-	0	3	1
07:30	07:35	-	0	9	2
07:35	07:40	-	0	2	1
07:40	07:45	-	0	25	1
07:45	07:50	-	0	3	1
07:50	07:55	-	0	15	1
07:55	08:00	-	0	6	1
08:00	08:05	-	0	17	2
08:05	08:10	-	0	4	1
08:10	08:15	-	0	15	0
08:15	08:20	-	3	5	2
08:20	08:25	-	1	6	1
08:25	08:30	-	0	12	2
08:30	08:35	-	0	17	1
08:35	08:40	-	0	11	0
08:40	08:45	-	0	6	2
08:45	08:50	-	0	8	1
08:50	08:55	-	0	6	2
08:55	09:00	-	0	3	0
09:00	09:05	-	0	4	1
09:05	09:10	-	0	5	0
09:10	09:15	-	0	2	2
09:15	09:20	-	1	3	0
09:20	09:25	-	0	6	1
09:25	09:30	-	0	10	1
09:30	09:35	-	0	6	0
09:35	09:40	-	0	1	1
09:40	09:45	-	1	1	1
09:45	09:50	-	1	5	2
09:50	09:55	-	0	1	1
09:55	10:00	-	0	5	0
QUEUE		NETWORK PEAK (07:45-08:45)			
MINIMUM	-	0	3	0	
AVERAGE	-	0	10	1	
85th%ILE	-	0	16	2	

STUDY NETWORK MAXIMUM QUEUE COUNT

Project: Kellas Road, Dundee

Client: Cameron + Ross

Project Ref: TS-24-068

Date: Tuesday 25 June 2024

Weather: Dry / Sunny Intervals

Junction 1: B961 (Drumgeith Road) / Kellas Road Priority Junction












TIME	VEHICLE MOVEMENT(S) / QUEUE - PCUs / LANE				
	B961 (DRUMGEITH ROAD) (NORTH) (A-BC)	KELLAS ROAD		B961 (DRUMGEITH ROAD) (SOUTH) (C-B) RIGHT TURN	
		NEAR. (B-C)	OFF. (B-A)		
15:30	15:35	-	0	5	1
15:35	15:40	-	0	14	2
15:40	15:45	-	2	2	2
15:45	15:50	-	2	6	3
15:50	15:55	-	1	1	1
15:55	16:00	-	0	2	1
16:00	16:05	-	0	8	1
16:05	16:10	-	0	6	2
16:10	16:15	-	0	2	3
16:15	16:20	-	0	14	3
16:20	16:25	-	1	9	2
16:25	16:30	-	1	4	2
16:30	16:35	-	2	3	2
16:35	16:40	-	0	6	2
16:40	16:45	-	0	8	4
16:45	16:50	-	0	7	2
16:50	16:55	-	1	15	1
16:55	17:00	-	1	5	1
17:00	17:05	-	0	4	2
17:05	17:10	-	3	14	1
17:10	17:15	-	2	4	3
17:15	17:20	-	1	4	1
17:20	17:25	-	0	2	1
17:25	17:30	-	1	8	2
17:30	17:35	-	1	2	3
17:35	17:40	-	2	3	1
17:40	17:45	-	1	1	2
17:45	17:50	-	2	4	2
17:50	17:55	-	0	2	1
17:55	18:00	-	0	5	0
18:00	18:05	-	1	2	0
18:05	18:10	-	0	1	2
18:10	18:15	-	0	1	3
18:15	18:20	-	0	1	1
18:20	18:25	-	0	2	0
18:25	18:30	-	0	4	0
QUEUE	NETWORK PEAK (16:30-17:30)				
MINIMUM	-	0	2	1	
AVERAGE	-	1	7	2	
85th%ILE	-	2	10	2	
MAXIMUM	-	3	15	4	

AUTOMATIC TRAFFIC COUNTS

TIME	TOTAL	ARX VEH CLE CLASSIFICATIONS												SPEED BIN TOTALS														SPEED STATISTICS														
		LIGHT			MEDIUM			HEAVY						0-5 mph	5-10mph	10-15mph	15-20mph	20-25mph	25-30mph	30-35mph	35-40mph	40-45mph	45-50mph	50-55mph	55-60mph	60-65mph	65-70mph	70-75mph	75-80mph	80-85mph	85-90mph	90-95mph	95-100mph	ALL VEH CLES				FREE FLOW CONDITIONS (≥4 sec HEADWAY)				
		1	2	3	4	5	6	7	8	9	10	11	12	0-5 mph	5-10mph	10-15mph	15-20mph	20-25mph	25-30mph	30-35mph	35-40mph	40-45mph	45-50mph	50-55mph	55-60mph	60-65mph	65-70mph	70-75mph	75-80mph	80-85mph	85-90mph	90-95mph	95-100mph	MEAN	MINIMUM	MAXIMUM	85%ILE	MEAN	MINIMUM	MAXIMUM	85%ILE	
14:00-15:00	59	1	51	0	4	1	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32.2	8.5	51.0	37.9	32.5	8.5	51.0	37.9
15:00-16:00	47	0	37	0	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34.3	26.3	59.2	38.5	34.6	26.3	59.2	38.7	
16:00-17:00	48	0	44	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34.7	26.4	59.9	37.6	34.2	26.4	59.9	37.4		
17:00-18:00	53	0	52	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35.3	25.9	55.4	42.3	35.0	25.9	55.4	42.6		
18:00-19:00	35	0	31	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33.2	25.3	39.6	37.7	33.1	25.3	39.6	37.8		
19:00-20:00	12	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32.8	20.2	38.1	36.9	32.8	20.2	38.1	36.9		
20:00-21:00	10	0	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33.5	28.3	38.0	-	34.1	29.4	38.0	-		
21:00-22:00	8	0	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33.4	26.7	37.4	-	33.4	26.7	37.4	-		
22:00-23:00	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30.4	26.4	36.5	-	30.4	26.4	36.5	-		
23:00-00:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30.7	29.6	31.7	-	30.7	29.6	31.7	-		
07:00-19:00	548	4	476	3	55	3	4	0	1	1	1	0	0	0	0	6	78	250	158	36	8	2	6	0	0	0	0	0	0	0	0	0	34.2	8.5	59.9	38.7	34.1	8.5	59.9	38.7		
06:00-22:00	586	4	512	3	57	3	4	0	1	1	1	0	0	0	0	7	84	268	170	36	9	2	6	0	0	0	0	0	0	0	0	0	34.1	8.5	59.9	38.5	34.1	8.5	59.9	38.5		
06:00-00:00	593	4	519	3	57	3	4	0	1	1	1	0	0	0	0	7	87	271	171	36	9	2	6	0	0	0	0	0	0	0	0	0	34.1	8.5	59.9	38.4	34.0	8.5	59.9	38.4		
00:00-00:00	603	4	523	3	63	3	4	0	1	1	1	0	0	0	0	8	89	272	176	37	9	2	6	0	0	0	0	0	0	0	0	0	34.1	8.5	59.9	38.5	34.0	8.5	59.9	38.5		
Date: 28 June 2024																																										
00:00-01:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	39.3	39.3	39.3	-	39.3	39.3	39.3	-			
01:00-02:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	41.3	36.0	46.6	-	41.3	36.0	46.6	-			
02:00-03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-			
03:00-04:00	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.9	26.1	31.7	-	28.9	26.1	31.7	-		
04:00-05:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	35.7	35.7	35.7	-	35.7	35.7	35.7	-		
05:00-06:00	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35.4	32.1	42.3	-	35.4	32.1	42.3	-		
06:00-07:00	13	0	11	0	2	0	0	0	0	0	0	0	0	0	0	3	4	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	35.0	25.7	49.5	39.0	34.8	25.7	49.5	39.6		
07:00-08:00	39	0	31	0	6	0	0	0	0	0	0	0	0	0	0	1	15	13	9	1	0	0	0	0	0	0	0	0	0	0	0	0	36.3	26.5	48.5	41.2	36.6	26.5	48.5	41.2		
08:00-09:00	70	0	62	1	7	0	0	0	0	0	0	0	0	0	0	1	3	8	23	28	4	3	0	0	0	0	0	0	0	0	0	0	34.6	17.0	49.1	39.1	35.0	17.0	49.1	39.3		
09:00-10:00	21	0	18	1	2	0	0	0	0	0	0	0	0	0	0	0	3	5	7	5	1	0	0	0	0	0	0	0	0	0	0	0	36.7	27.7	46.1	42.8	36.6	27.7	46.1	42.9		
10:00-11:00	27	0	25	0	2	0	0	0	0	0	0	0	0	0	0	0	6	8	12	1	0	0	0	0	0	0	0	0	0	0	0	0	34.2	27.3	40.0	37.9	34.2	27.3	40.0	38.0		
11:00-12:00	15	0	13	0	2	0	0	0	0	0	0	0	0	0	0	1	3	6	1	2	0	0	0	0	0	0	0	0	0	0	0	0	32.5	24.0	44.0	39.1	32.5	24.0	44.0	39.1		
12:00-13:00	42	0	33	2	7	0	0	0	0	0	0	0	0	0	0	0	7	18	14	3	0	0	0	0	0	0	0	0	0	0	0	0	34.2	27.6	41.7	37.8	34.2	27.6	41.7	37.9		
13:00-14:00	40	1	34	1	3	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.9	10.4	60.5	37.8	32.8	10.4	60.5	37.7		
14:00-15:00	33	0	26	1	6	0	0	0	0	0	0	0	0	0	0	0	8	16	11	2	0	0	0	0	0	0	0	0	0	0	0	0	31.9	22.1	62.5	36.7	32.0	22.1	62.5	36.9		
15:00-16:00	42	1	33	0	6	1	1	0	0	0	0	0	0	0	0	0	5	19	10	5	0	2	1	0	0	0	0	0	0	0	0	0	35.4	26.2	57.3	41.2	35.6	26.2	57.3	41.3		
16:00-17:00	46	0	40	2	3	1	0	0	0	0	0	0	0	0	0	0	7	19	11	3	2	1	0	0	0	0	0	0	0	0	0	0	35.3	26.3	68.5	40.4	35.3	26.3	68.5	41.5		
17:00-18:00	46	0	31	0	5	0	0	0	0	0	0	0	0	0	0	0	6	19	7	4	0	0	0	0	0	0	0	0	0	0	0	0	33.7	26.8	42.0	39.0	34.1	26.8	42.0	39.4		
18:00-19:00	26	0	26	0	2	0	0	0	0	0	0	0	0	0	0	0	4	16	8	0	0	0	0	0	0	0	0	0	0	0	0	0	36.2	25.4	47.3	38.3	36.8	25.4	47.3	38.4		
19:00-20:00	18	0	18	0	1	0	0	0	0	0	0	0	0	0	0	0	3	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	36.9	23.2	50.5	48.0	35.9	23.2	50.5	48.1		
20:00-21:00	14	2	12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	3	1	1	0	0	0	0	0	0	0	0	0	0	35.2	26.6	44.4	-	35.2	26.6	44.4	-		
21:00-22:00	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	31.2	28.6	34.6	-	31.2	28.6	34.6	-		
22:00-23:00	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	27.5	38.9	-	31.1	27.5	38.9	-		
23:00-00:00	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	27.5	38.9	-	31.1	27.5	38.9	-		
07:00-19:00	439	2	372	8	53	3	1	0	0	0	0	0	0	0	0	3	1	7	66	183	126	40	7	3	1	1	1	0	0	0	0	0	34.3	16.4	68.5	39.1	34.5	16.4	68.5	39.9		
06:00-22:00	494	4	422	8	56	3	1	0	0	0	0	0	0	0	0	3	1	7	74	201	145	45	9	4	1	1	1	0	0	0	0	0	34.4	16.4	67.3	39.2	34.6	16.4	67.3	39.9		
06:00-00:00	507	4	435	8	56	3	1	0	0	0																																

TIME	TOTAL	AR VEHICLE CLASSIFICATIONS												SPEED BIN TOTALS														SPEED STATISTICS														
		LIGHT			MEDIUM			HEAVY						0-5 mph	5-10mph	10-15mph	15-20mph	20-25mph	25-30mph	30-35mph	35-40mph	40-45mph	45-50mph	50-55mph	55-60mph	60-65mph	65-70mph	70-75mph	75-80mph	80-85mph	85-90mph	90-95mph	95-100mph	ALL VEHICLES				FREE FLOW CONDITIONS (4 sec HEADWAY)				
		1	2	3	4	5	6	7	8	9	10	11	12	0-5 mph	5-10mph	10-15mph	15-20mph	20-25mph	25-30mph	30-35mph	35-40mph	40-45mph	45-50mph	50-55mph	55-60mph	60-65mph	65-70mph	70-75mph	75-80mph	80-85mph	85-90mph	90-95mph	95-100mph	MEAN	MINIMUM	MAXIMUM	85%ILE	MEAN	MINIMUM	MAXIMUM	85%ILE	
10:00	11:00	53	0	43	0	9	0	1	0	0	0	0	0	0	0	0	0	1	1	9	25	14	2	1	0	0	0	0	0	0	0	0	0	0	33.2	13.6	65.6	37.4	33.1	13.6	45.8	37.4
11:00	12:00	57	1	46	0	9	0	0	0	0	0	0	0	0	0	0	0	1	3	12	23	13	4	0	0	0	0	0	0	0	0	0	0	32.6	8.0	50.1	37.8	32.8	8.0	50.1	37.9	
12:00	13:00	75	2	62	1	10	0	0	0	0	0	0	0	0	0	0	0	1	1	11	32	22	5	1	0	0	0	0	0	0	0	0	33.6	8.5	66.8	38.3	33.9	8.5	66.8	38.8		
13:00	14:00	74	1	63	1	7	0	1	0	0	0	0	0	0	0	0	0	1	1	13	30	20	8	1	0	0	0	0	0	0	0	0	33.9	10.4	60.5	39.1	34.0	10.4	60.5	39.5		
14:00	15:00	80	0	68	0	9	1	0	0	0	0	0	0	0	0	0	0	4	15	29	23	5	1	1	0	0	0	0	0	0	0	0	33.1	8.5	51.6	37.9	33.3	8.5	51.0	37.9		
15:00	16:00	114	1	96	1	14	1	1	0	0	0	0	0	0	0	0	0	1	3	17	50	32	9	1	1	0	0	0	0	0	0	34.0	15.1	59.2	38.7	34.3	15.1	59.2	38.8			
16:00	17:00	124	0	106	1	14	1	0	0	0	0	0	0	0	0	0	0	1	1	18	47	38	13	3	1	1	0	0	0	0	0	34.9	11.7	68.5	40.0	34.9	11.7	68.5	40.0			
17:00	18:00	124	0	114	0	10	0	0	0	0	0	0	0	0	0	0	0	1	1	14	46	43	17	4	0	1	0	0	0	0	0	35.5	21.2	58.0	40.5	35.7	21.2	58.0	40.7			
18:00	19:00	71	1	64	0	5	0	0	0	0	0	0	0	0	0	0	0	1	1	9	28	23	7	1	0	0	0	0	0	0	0	34.3	8.4	49.6	39.3	34.4	8.4	49.6	39.3			
19:00	20:00	40	0	37	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	16	13	4	1	0	0	0	0	0	0	0	35.4	20.2	87.3	39.8	35.6	20.2	87.3	40.1			
20:00	21:00	31	0	28	0	2	0	0	0	0	0	0	0	0	0	0	0	1	5	10	10	4	1	0	0	0	0	0	0	0	0	35.0	23.2	50.5	40.3	34.8	23.2	49.8	40.4			
21:00	22:00	20	0	19	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	6	2	1	0	0	0	0	0	0	0	0	34.7	14.2	51.4	39.8	34.8	14.2	51.4	40.0			
22:00	23:00	10	0	10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	2	1	0	0	0	0	0	0	0	0	0	33.1	18.7	45.3	37.6	33.1	18.7	45.3	-			
23:00	00:00	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	34.2	22.5	45.3	-	34.2	22.5	45.3	-			
07:00-19:00		1942	9	897	7	114	6	4	1	2	1	1	0	0	0	1	3	6	22	147	411	326	98	20	4	3	1	1	0	0	0	34.4	8.0	68.5	39.1	34.5	8.0	68.5	39.4			
06:00-22:00		1156	10	1003	7	120	6	4	1	2	1	1	0	0	0	1	3	6	23	162	452	385	110	24	5	3	1	1	0	0	0	34.4	8.0	87.3	39.3	34.5	8.0	87.3	39.4			
06:00-00:00		1172	10	1018	7	121	6	4	1	2	1	1	0	0	0	1	3	7	24	165	458	388	112	24	5	3	1	1	0	0	0	34.4	8.0	87.3	39.3	34.5	8.0	87.3	39.4			
00:00-00:00		1189	10	1032	7	125	6	4	1	2	1	1	0	0	0	0	1	3	7	24	169	464	374	114	25	5	3	1	1	0	0	0	34.4	8.0	87.3	39.3	34.5	8.0	87.3	39.4		
7 day (Weekly) Average																																										
00:00	01:00	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	35.3	24.9	55.3	-	35.3	24.9	55.3	-			
01:00	02:00	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	35.9	23.4	47.1	-	35.9	23.4	47.1	-			
02:00	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37.1	35.7	38.6	-	37.1	35.7	38.6	-			
03:00	04:00	3	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	30.3	18.6	42.1	-	30.0	18.6	42.1	-			
04:00	05:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	34.2	27.5	39.8	-	34.2	27.5	39.8	-			
05:00	06:00	5	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	35.2	28.9	42.3	-	35.1	28.9	42.3	-			
06:00	07:00	19	0	17	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	6	8	2	1	0	0	0	0	0	0	0	0	35.3	22.8	49.5	39.8	35.3	22.8	49.5	40.0			
07:00	08:00	51	0	43	0	7	0	0	0	0	0	0	0	0	0	0	0	1	3	15	24	7	1	0	0	0	0	0	0	0	0	36.2	18.7	56.1	40.3	36.3	18.7	56.1	40.4			
08:00	09:00	98	0	87	1	7	1	0	0	0	0	0	0	0	0	0	0	1	2	13	39	32	8	3	0	0	0	0	0	0	0	34.4	17.0	51.3	38.7	34.7	17.0	51.3	39.0			
09:00	10:00	58	1	58	1	7	0	0	0	0	0	0	0	0	0	0	0	0	1	9	28	21	7	1	1	0	0	0	0	0	0	34.5	11.5	63.9	39.6	34.4	11.5	63.9	39.5			
10:00	11:00	54	1	45	0	7	0	0	0	0	0	0	0	0	0	0	0	1	1	9	24	14	3	0	0	0	0	0	0	0	0	33.2	10.2	65.8	37.6	33.2	10.2	65.8	37.6			
11:00	12:00	58	2	48	0	8	0	0	0	0	0	0	0	0	0	0	0	1	3	11	24	14	5	0	0	0	0	0	0	0	0	33.1	8.0	67.2	38.5	33.1	8.0	67.2	38.5			
12:00	13:00	73	2	62	1	8	0	0	0	0	0	0	0	0	0	0	0	1	1	11	31	21	6	2	0	0	0	0	0	0	0	34.0	8.5	66.8	38.5	34.1	8.5	66.8	38.9			
13:00	14:00	75	2	65	1	6	0	1	0	0	0	0	0	0	0	0	0	1	0	13	30	22	7	1	1	0	0	0	0	0	0	34.1	10.4	60.5	39.0	34.2	10.4	60.5	39.3			
14:00	15:00	72	0	63	0	7	0	0	0	0	0	0	0	0	0	0	0	0	3	14	28	20	5	1	0	0	0	0	0	0	0	33.3	8.5	51.6	37.8	33.4	8.5	51.0	37.9			
15:00	16:00	97	3	82	1	11	1	0	0	0	0	0	0	0	0	0	0	1	2	15	42	27	9	1	0	1	0	0	0	0	0	34.1	13.8	59.2	38.8	34.3	13.8	59.2	39.0			
16:00	17:00	105	0	92	1	11	1	0	0	0	0	0	0	0	0	0	0	1	2	15	41	32	11	2	1	1	0	0	0	0	0	34.8	11.7	68.5	39.6	34.7	11.7	68.5	39.6			
17:00	18:00	104	0	96	0	7	0	0	0	0	0	0	0	0	0	0	0	0	1	13	39	35	14	3	0	1	0	0	0	0	0	35.4	21.2	58.0	40.3	35.5	21.2	58.0	40.5			
18:00	19:00	61	1	56	0	4	0	0	0	0	0	0	0	0	0	0	0	1	8	24	20	6	1	0	0	0	0	0	0	0	0	34.3	8.4	49.6	39.3	34.4	8.4	49.6	39.4			
19:00	20:00	36	0	33	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	15	11	4	1	0	0	0	0	0	0	0	35.4	20.2	87.3	40.5	35.6	20.2	87.3	40.7			
20:00	21:00	27	0	25	0	1	0	0	0	0	0	0	0	0	0	0	0	1	5	9	8	3	1	0	0	0	0	0	0	0	0	34.8	20.3	50.5	40.0	34.7	20.3	49.8	40.0			
21:00	22:00	20	0	19	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	7	2	1	0	0	0	0	0	0	0	35.0	14.2	51.4	39.5	35.0	14.2	51.4	40.0			
22:00	23:00	11	0	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	2	1	0	0	0	0	0	0	0	0	0	33.8	18.7	50.8	39.4	33.7	18.7	50.8	39.8			

TIME	TOTAL	ARX VEHICLE CLASSIFICATIONS												SPEED BIN TOTALS														SPEED STATISTICS														
		LIGHT			MEDIUM			HEAVY						0-5mph	5-10mph	10-15mph	15-20mph	20-25mph	25-30mph	30-35mph	35-40mph	40-45mph	45-50mph	50-55mph	55-60mph	60-65mph	65-70mph	70-75mph	75-80mph	80-85mph	85-90mph	90-95mph	95-100mph	ALL VEHICLES				FREE FLOW CONDITIONS (≥4 sec HEADWAY)				
		1	2	3	4	5	6	7	8	9	10	11	12	MEAN	MINIMUM	MAXIMUM	85TH PILE	MEAN	MINIMUM	MAXIMUM	85TH PILE																					
10:00	11:00	87	1	74	0	10	1	0	0	0	0	0	0	0	0	0	0	1	4	11	12	24	25	8	2	0	0	0	0	0	0	0	0	0	37.4	14.9	63.2	44.3	37.8	14.9	63.2	44.4
11:00	12:00	101	1	86	0	10	2	0	0	0	1	0	0	0	0	0	0	1	9	11	11	30	28	9	1	1	0	0	0	0	0	0	0	37.1	7.5	64.7	44.0	37.6	7.5	64.7	44.2	
12:00	13:00	121	1	106	1	12	1	0	0	0	0	0	0	0	0	0	0	1	9	19	14	32	29	11	5	1	0	0	0	0	0	0	36.8	11.8	65.6	44.6	37.4	12.4	65.6	45.1		
13:00	14:00	130	1	113	1	12	2	0	0	0	0	0	0	0	0	0	0	1	9	17	20	33	33	13	4	1	0	0	0	0	0	0	37.1	12.8	64.4	44.5	37.8	12.8	64.4	45.2		
14:00	15:00	129	1	115	1	10	1	0	0	0	0	0	0	0	0	0	0	1	12	18	13	31	38	13	2	0	0	0	0	0	0	0	36.9	10.6	68.1	44.4	37.6	10.6	68.1	44.9		
15:00	16:00	146	0	131	1	10	2	0	0	0	0	0	0	0	0	0	0	0	9	18	16	41	39	14	5	1	0	0	0	0	0	0	37.6	11.1	60.6	44.6	38.2	11.1	60.6	45.2		
16:00	17:00	177	1	155	1	14	2	3	0	0	1	0	0	0	0	0	0	0	10	21	17	40	53	25	8	1	0	1	0	0	0	0	38.8	12.8	69.5	46.0	39.6	20.9	69.5	46.9		
17:00	18:00	184	1	169	0	10	2	0	0	0	0	0	0	0	0	0	0	0	12	16	11	41	61	32	9	1	0	0	0	0	0	0	39.6	11.4	67.3	47.1	40.4	11.4	67.3	47.5		
18:00	19:00	122	1	113	0	5	2	0	0	0	0	0	0	0	0	0	0	1	8	14	12	22	38	18	6	2	1	0	0	0	0	0	38.9	11.5	62.8	46.6	39.6	11.5	62.8	47.7		
19:00	20:00	97	1	90	0	4	2	0	0	0	0	0	0	0	0	0	0	0	5	9	8	21	32	15	5	2	0	0	0	0	0	0	39.5	9.9	59.5	46.5	40.0	9.9	59.5	46.9		
20:00	21:00	74	0	70	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4	4	7	19	26	9	3	1	0	0	0	0	0	39.4	21.9	57.2	45.8	39.7	21.9	57.2	46.3			
21:00	22:00	49	0	46	0	2	1	0	0	0	0	0	0	0	0	0	0	0	1	4	3	10	16	9	4	1	0	0	0	0	0	41.3	18.8	67.9	48.7	41.4	21.2	67.9	48.7			
22:00	23:00	33	0	32	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	1	3	12	8	3	1	0	0	0	0	0	0	38.5	10.7	64.3	45.7	38.8	10.7	64.3	45.9			
23:00	00:00	14	0	13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	5	4	2	1	0	0	0	0	0	0	39.9	19.2	68.4	47.9	40.0	19.2	68.4	48.0			
07:00-19:00		1478	12	1291	7	128	24	5	1	3	3	4	0	0	0	0	0	5	9	108	205	159	358	465	169	48	9	2	1	0	0	0	37.5	7.5	69.5	45.1	38.0	7.5	69.5	45.6		
06:00-22:00		1725	14	1517	8	140	27	6	1	4	3	4	0	0	0	0	0	5	10	120	229	180	414	485	205	61	12	3	2	0	0	0	37.8	7.5	69.5	45.3	38.3	7.5	69.5	45.9		
06:00-00:00		1772	15	1562	8	140	29	6	1	4	3	4	0	0	0	0	0	5	11	123	230	184	430	497	210	63	13	4	2	0	0	0	37.8	7.5	69.5	45.4	38.3	7.5	69.5	45.9		
00:00-00:00		1804	15	1588	8	146	29	6	1	4	3	4	0	0	0	0	0	5	12	126	237	188	436	502	213	65	13	4	2	0	0	0	37.7	7.5	69.5	45.4	38.2	7.5	69.5	45.9		
7 day (Weekly) Average																																										
00:00	01:00	11	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	1	1	0	0	0	0	0	0	40.3	18.8	54.0	47.0	40.3	18.8	54.0	47.3			
01:00	02:00	8	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	2	2	2	1	0	0	0	0	0	0	41.2	23.3	61.7	-	41.2	23.3	61.7	-			
02:00	03:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38.0	23.6	50.0	-	38.0	23.6	50.0	-			
03:00	04:00	5	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	0	0	0	0	0	0	0	0	0	26.5	12.7	47.2	-	26.5	12.7	47.2	-			
04:00	05:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	34.3	27.5	42.6	-	34.3	27.5	42.6	-			
05:00	06:00	7	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	0	0	0	0	0	0	0	0	0	34.2	21.9	53.8	-	34.5	24.8	53.8	-			
06:00	07:00	22	1	16	0	3	1	0	0	1	0	0	0	0	0	0	0	0	1	2	5	3	4	4	3	1	0	0	0	0	0	35.8	15.1	64.2	46.7	36.0	15.1	64.2	46.8			
07:00	08:00	49	1	39	0	6	2	0	0	0	0	0	0	0	0	0	0	0	3	12	4	10	12	5	2	0	0	0	0	0	0	36.7	14.6	64.4	45.1	36.9	14.6	64.4	45.2			
08:00	09:00	100	1	85	0	9	4	0	0	0	0	0	0	0	0	0	0	0	11	24	15	20	19	8	1	0	0	0	0	0	0	34.5	16.8	59.4	43.4	35.0	16.8	59.4	43.8			
09:00	10:00	87	1	71	0	11	2	0	0	0	0	0	0	0	0	0	0	1	7	11	10	24	22	8	2	0	0	0	0	0	0	36.6	10.7	65.2	44.2	36.9	10.7	65.2	44.4			
10:00	11:00	86	1	77	0	9	1	0	0	0	0	0	0	0	0	0	0	1	4	11	12	25	25	8	2	0	0	0	0	0	0	37.4	13.6	63.2	44.3	37.8	13.6	63.2	44.4			
11:00	12:00	102	1	88	1	9	2	0	0	1	1	0	0	0	0	0	0	0	7	12	12	28	29	10	2	1	0	0	0	0	0	37.6	7.5	64.7	44.6	38.0	7.5	64.7	44.9			
12:00	13:00	120	1	107	1	9	1	0	0	0	0	0	0	0	0	0	0	1	1	8	17	13	32	33	11	5	0	0	0	0	0	37.3	11.8	65.6	44.6	37.9	12.4	65.6	45.1			
13:00	14:00	129	1	115	1	10	2	0	0	0	0	0	0	0	0	0	0	0	8	17	17	35	36	12	4	1	0	0	0	0	0	37.5	12.8	64.4	44.4	37.9	12.8	64.4	45.1			
14:00	15:00	130	1	119	1	8	1	0	0	0	0	0	0	0	0	0	0	1	10	16	13	32	39	13	3	1	0	0	0	0	0	37.5	10.6	68.1	44.7	38.1	10.6	68.1	45.2			
15:00	16:00	138	1	125	1	8	2	0	0	0	0	0	0	0	0	0	0	0	1	8	16	15	38	38	16	5	1	0	0	0	0	38.0	11.1	62.1	45.2	38.5	11.1	62.1	45.7			
16:00	17:00	162	1	145	1	11	2	2	0	0	1	0	0	0	0	0	0	0	9	19	17	39	48	23	6	1	0	0	0	0	0	38.7	12.8	69.5	45.9	39.4	19.4	69.5	46.5			
17:00	18:00	161	2	149	1	7	2	0	0	0	0	0	0	0	0	0	0	1	9	16	10	36	52	27	8	1	0	0	0	0	0	39.5	11.4	67.3	46.8	40.1	11.4	67.3	47.5			
18:00	19:00	111	1	103	0	4	2	0	0	0	0	0	0	0	0	0	0	1	6	13	10	22	34	16	5	2	1	0	0	0	0	39.0	11.5	70.5	46.6	39.6	11.5	70.5	47.3			
19:00	20:00	83	1	78	0	3	2	0	0	0	0	0	0	0	0	0	0	0	4	8	7	19	27	12	4	1	0	0	0	0	0	39.4	9.9	59.5	46.6	39.8	9.9	59.5	47.0			
20:00	21:00	68	0	64	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	4	7	19	23	8	3	1	0	0	0	0	0	39.5	21.8	77.5	45.8	39.7	21.8	77.5	46.6			
21:00	22:00	46	0	43	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	4	4	10	14	8	4	1	0	0	0	0	0	40.9	18.8	67.9	48.6	41.0	20.7	67.9	48.7			
22:00	23:00	34	0	32	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2	4	10	9	4	2	0	0	0	0	0	0	38.9	10.7	66.3	46.3	39.1	10.7	66.3	46.7			
23:00	00:00	14	0	13																																						

CLASS	AXLES	AXLE GROUPS	DESCRIPTION	DOMINATE VEHICLE	AGGREGATE
1	2	1 or 2	Very Short - Bicycle or Motorcycle		LIGHT
2	2	1 or 2	Short - Car, 4WD or Light Van		
3	3 / 4 / 5	3	Short Towing - Trailer, Caravan etc.		
4	2	2	2-Axle Truck or Bus		MEDIUM
5	3	2	3-Axle Truck or Bus		
6	>3	2	4-Axle Truck		
7	3	3	3-Axle Articulated Vehicle or Rigid Vehicle & Trailer		HEAVY
8	4	>2	4-Axle Articulated Vehicle or Rigid Vehicle & Trailer		
9	5	>2	5-Axle Articulated Vehicle or Rigid Vehicle & Trailer		
10	>=6	>2	6 (or more) Axle Articulated Vehicle or Rigid Vehicle & Trailer		
11	>6	4	B-Double or Heavy Truck & Trailer		
12	>6	>=5	Double or Triple Heavy Truck & 2 (or more) Trailers	