

7. Appendix 7.2 – Traffic Flow Data

Figure 7-1 ATC 1 - Thorney Edge Road – 24hr Summary

Werrington, Stoke-on-Trent - ATC 1 - Thorney Edge Road

Produced by Streetwise Services Ltd.



Channel - Northbound									
	27/06/2024 Thursday	28/06/2024 Friday	29/06/2024 Saturday	30/06/2024 Sunday	01/07/2024 Monday	02/07/2024 Tuesday	03/07/2024 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	114	107	101	87	102	117	119	112	107
Mean Speed	30.6	30.0	30.2	28.5	30.1	30.7	31.0	30.5	30.1
85%ile Speed	37.8	36.3	36.9	34.6	37.8	36.7	36.7	37.1	36.7
No. Vehicles > 60 MPH Limit	0	0	0	1	0	0	0	-	1
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	1.1	0.0	0.0	0.0	-	1.1
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Channel - Southbound									
	27/06/2024 Thursday	28/06/2024 Friday	29/06/2024 Saturday	30/06/2024 Sunday	01/07/2024 Monday	02/07/2024 Tuesday	03/07/2024 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	112	86	93	88	90	97	87	94	93
Mean Speed	33.1	32.3	31.2	31.8	32.9	32.2	32.1	32.5	32.2
85%ile Speed	41.9	40.3	39.7	41.7	40.6	39.8	40.1	40.5	40.6
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	-	-
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Northbound & Southbound									
	27/06/2024 Thursday	28/06/2024 Friday	29/06/2024 Saturday	30/06/2024 Sunday	01/07/2024 Monday	02/07/2024 Tuesday	03/07/2024 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	226	193	194	175	192	214	206	206	200
Mean Speed	31.8	31.0	30.7	30.1	31.4	31.4	31.4	31.4	31.1
85%ile Speed	40.8	38.7	38.2	36.5	39.0	38.3	37.9	39.0	38.5
No. Vehicles > 60 MPH Limit	0	0	0	1	0	0	0	-	1
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.6	0.0	0.0	0.0	-	0.6
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	-	-
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi	5	Rigid 2 Axle HGV + 2 Axle (Close coupled) Trailer
1	Light Goods Vehicle	6	Rigid 3 Axle HGV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer	6	Rigid 3 Axle HGV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer	7	Artic. 2 Axle Tractor + 1 Axle Semi-Trailer
2	Rigid 2 Axle Heavy Goods Vehicle	8	Artic. 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	9	Artic. 2 Axle Tractor + 3 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	10	Artic. 3 Axle Tractor + 1 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	10	Artic. 3 Axle Tractor + 2 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	11	Artic. 3 Axle Tractor + 3 Axle Semi-Trailer
5	Rigid 2 Axle HGV + 2 Axle Drawbar Trailer	12	Bus or Coach, 2 Axle
5	Rigid 2 Axle HGV + 3 Axle Drawbar Trailer	12	Bus or Coach, 3 Axle
5	Rigid 2 Axle HGV + 1 Axle Caravan or Trailer	13	Vehicle with 7 or more Axles

Figure 7-2 ATC 2 - Armshead Road – 24hr Summary

Werrington, Stoke-on-Trent - ATC 2 - Armshead Road

Produced by Streetwise Services Ltd.



Channel - Northbound									
	27/06/2024 Thursday	28/06/2024 Friday	29/06/2024 Saturday	30/06/2024 Sunday	01/07/2024 Monday	02/07/2024 Tuesday	03/07/2024 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	1718	1726	1312	1059	1596	1696	1787	1795	1556
Mean Speed	28.4	27.8	27.4	27.9	27.4	27.2	27.6	27.7	27.7
85%ile Speed	33.8	33.4	32.9	33.1	33.3	33.0	32.7	33.2	33.2
No. Vehicles > 30 MPH Limit	596	556	378	347	477	472	530	526	479
% Vehicles > 30 MPH Limit	34.7	32.2	28.8	32.8	29.9	27.8	29.7	30.9	30.8
No. Vehicles > 45 MPH	9	8	9	7	9	10	5	8	8
% Vehicles > 45 MPH	0.5	0.5	0.7	0.7	0.6	0.6	0.3	0.5	0.5

Channel - Southbound									
	27/06/2024 Thursday	28/06/2024 Friday	29/06/2024 Saturday	30/06/2024 Sunday	01/07/2024 Monday	02/07/2024 Tuesday	03/07/2024 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	1671	1639	1216	1014	1543	1653	1756	1652	1499
Mean Speed	27.9	26.8	27.4	27.6	26.3	26.9	26.9	27.0	27.1
85%ile Speed	32.7	31.8	32.3	32.3	31.7	31.8	32.2	32.0	32.1
No. Vehicles > 30 MPH Limit	529	397	338	299	362	386	456	426	395
% Vehicles > 30 MPH Limit	31.7	24.2	27.8	29.5	23.5	23.4	26.0	25.7	26.6
No. Vehicles > 45 MPH	7	1	5	2	4	5	5	6	4
% Vehicles > 45 MPH	0.4	0.1	0.4	0.2	0.3	0.3	0.3	0.3	0.3

Northbound & Southbound									
	27/06/2024 Thursday	28/06/2024 Friday	29/06/2024 Saturday	30/06/2024 Sunday	01/07/2024 Monday	02/07/2024 Tuesday	03/07/2024 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	3389	3365	2528	2073	3139	3349	3543	3357	3055
Mean Speed	29.2	27.3	27.4	27.8	26.9	27.1	27.3	27.3	27.4
85%ile Speed	33.2	32.7	32.6	32.7	32.6	32.4	32.4	32.7	32.7
No. Vehicles > 30 MPH Limit	1125	953	716	646	839	858	986	952	875
% Vehicles > 30 MPH Limit	33.2	28.3	28.3	31.2	26.7	25.6	27.8	28.3	28.7
No. Vehicles > 45 MPH	16	9	14	9	13	15	10	13	12
% Vehicles > 45 MPH	0.5	0.3	0.6	0.4	0.4	0.4	0.3	0.4	0.4

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi	5	Rigid 2 Axle HGV + 2 Axle (Close coupled) Trailer
1	Light Goods Vehicle	6	Rigid 3 Axle HGV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer	6	Rigid 3 Axle HGV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer	7	Artic. 2 Axle Tractor + 1 Axle Semi-Trailer
2	Rigid 2 Axle Heavy Goods Vehicle	8	Artic. 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	9	Artic. 2 Axle Tractor + 3 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	10	Artic. 3 Axle Tractor + 1 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	10	Artic. 3 Axle Tractor + 2 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	11	Artic. 3 Axle Tractor + 3 Axle Semi-Trailer
5	Rigid 2 Axle HGV + 2 Axle Drawbar Trailer	12	Bus or Coach, 2 Axle
5	Rigid 2 Axle HGV + 3 Axle Drawbar Trailer	12	Bus or Coach, 3 Axle
5	Rigid 2 Axle HGV + 1 Axle Caravan or Trailer	13	Vehicle with 7 or more Axles

Figure 7-3 ATC 3 – A52 – 24hr Summary

Werrington, Stoke-on-Trent - ATC 3 - A52 Cellarhead Road

Produced by Streetwise Services Ltd.



Channel - Eastbound									
	27/06/2024 Thursday	28/06/2024 Friday	29/06/2024 Saturday	30/06/2024 Sunday	01/07/2024 Monday	02/07/2024 Tuesday	03/07/2024 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	5168	5336	4346	3686	4567	4626	5052	4990	4712
Mean Speed	33.0	33.1	34.2	34.6	31.9	32.6	31.3	32.4	33.0
85%ile Speed	37.7	37.7	38.4	38.9	37.2	37.4	36.7	37.4	37.7
No. Vehicles > 30 MPH Limit	3905	4059	3704	3224	3119	3578	3326	3597	3559
% Vehicles > 30 MPH Limit	75.6	76.1	85.2	87.4	68.3	74.1	65.8	72.0	76.1
No. Vehicles > 45 MPH	68	71	67	81	67	72	52	66	66
% Vehicles > 45 MPH	1.3	1.3	1.5	2.2	1.5	1.5	1.0	1.3	1.5

Channel - Westbound									
	27/06/2024 Thursday	28/06/2024 Friday	29/06/2024 Saturday	30/06/2024 Sunday	01/07/2024 Monday	02/07/2024 Tuesday	03/07/2024 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	2936	3117	2606	2250	2816	2773	2967	2922	2781
Mean Speed	31.8	31.8	33.4	34.5	31.7	31.9	30.3	31.5	32.2
85%ile Speed	37.6	37.7	37.6	38.8	37.2	37.9	36.8	37.4	37.7
No. Vehicles > 30 MPH Limit	2056	2127	2049	1928	1827	1915	1840	1953	1963
% Vehicles > 30 MPH Limit	70.0	68.2	78.6	85.7	64.9	69.1	62.0	66.8	71.2
No. Vehicles > 45 MPH	43	70	56	65	59	54	53	56	57
% Vehicles > 45 MPH	1.5	2.2	2.1	2.9	2.1	1.9	1.8	1.9	2.1

Eastbound & Westbound									
	27/06/2024 Thursday	28/06/2024 Friday	29/06/2024 Saturday	30/06/2024 Sunday	01/07/2024 Monday	02/07/2024 Tuesday	03/07/2024 Wednesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	8104	8453	6952	5938	7383	7598	8018	7912	7493
Mean Speed	32.6	32.6	33.9	34.5	31.8	32.3	31.0	32.1	32.7
85%ile Speed	37.7	37.7	38.2	38.9	37.2	37.6	36.8	37.4	37.7
No. Vehicles > 30 MPH Limit	5961	6186	5753	5152	4946	5493	5166	5559	5522
% Vehicles > 30 MPH Limit	73.6	73.2	82.8	86.8	67.0	72.3	64.4	70.1	74.3
No. Vehicles > 45 MPH	111	141	123	146	126	126	105	122	125
% Vehicles > 45 MPH	1.4	1.7	1.8	2.5	1.7	1.7	1.3	1.5	1.7

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi	5	Rigid 2 Axle HGV + 2 Axle (Close coupled) Trailer
1	Light Goods Vehicle	6	Rigid 3 Axle HGV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer	6	Rigid 3 Axle HGV + 3 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer	7	Artic, 2 Axle Tractor + 1 Axle Semi-Trailer
2	Rigid 2 Axle Heavy Goods Vehicle	8	Artic, 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	9	Artic, 3 Axle Tractor + 3 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 1 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 2 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	11	Artic, 3 Axle Tractor + 3 Axle Semi-Trailer
5	Rigid 2 Axle HGV + 2 Axle Drawbar Trailer	12	Bus or Coach, 2 Axle
5	Rigid 2 Axle HGV + 3 Axle Drawbar Trailer	12	Bus or Coach, 3 Axle
5	Rigid 2 Axle HGV + 1 Axle Caravan or Trailer	13	Vehicle with 7 or more Axles

Figure 7-4 ATC 4 – A520 – 24hr Summary

Werrington, Stoke-on-Trent - ATC 4 - A520 Leek Road

Produced by Streetwise Services Ltd.



Channel - Northbound									
	17/07/2024 Wednesday	18/07/2024 Thursday	19/07/2024 Friday	20/07/2024 Saturday	21/07/2024 Sunday	22/07/2024 Monday	23/07/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	8154	8217	8135	5978	5504	5668	5690	6374	6204
Mean Speed	31.8	31.7	31.8	32.0	32.2	31.5	31.5	31.7	31.8
85%ile Speed	36.2	36.0	36.2	35.9	36.2	35.5	35.5	35.9	35.9
No. Vehicles > 30 MPH Limit	4142	4051	4037	4169	3941	4290	4297	4163	4132
% Vehicles > 30 MPH Limit	67.9	65.2	65.6	69.8	70.6	64.3	64.2	65.4	66.7
No. Vehicles > 45 MPH	43	44	40	29	45	37	42	41	40
% Vehicles > 45 MPH	0.7	0.7	0.7	0.5	0.8	0.6	0.6	0.6	0.6

Channel - Southbound									
	17/07/2024 Wednesday	18/07/2024 Thursday	19/07/2024 Friday	20/07/2024 Saturday	21/07/2024 Sunday	22/07/2024 Monday	23/07/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	6330	6304	5928	5277	4601	5853	5960	6055	5779
Mean Speed	23.8	23.3	23.9	23.6	25.6	24.5	24.2	23.9	24.1
85%ile Speed	30.1	30.0	30.2	30.1	30.5	30.1	30.2	30.1	30.2
No. Vehicles > 30 MPH Limit	964	928	945	835	903	901	936	935	916
% Vehicles > 30 MPH Limit	15.2	14.7	15.9	15.8	19.4	15.4	16.0	15.5	15.9
No. Vehicles > 45 MPH	7	5	4	2	1	2	6	5	4
% Vehicles > 45 MPH	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1

Northbound & Southbound									
	17/07/2024 Wednesday	18/07/2024 Thursday	19/07/2024 Friday	20/07/2024 Saturday	21/07/2024 Sunday	22/07/2024 Monday	23/07/2024 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	12484	12521	12067	11253	10485	12521	12550	12429	11983
Mean Speed	27.7	27.4	27.8	28.1	29.1	28.2	28.1	27.9	28.1
85%ile Speed	34.0	34.0	34.1	34.2	34.5	33.9	33.8	33.9	34.1
No. Vehicles > 30 MPH Limit	5106	4979	4982	5004	4844	5191	5233	5098	5048
% Vehicles > 30 MPH Limit	40.9	39.8	41.3	44.5	46.2	41.5	41.7	41.0	42.3
No. Vehicles > 45 MPH	50	49	44	31	46	39	48	46	44
% Vehicles > 45 MPH	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi	5	Rigid 2 Axle HGV + 2 Axle (Close coupled) Trailer
1	Light Goods Vehicle	6	Rigid 3 Axle HGV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer	6	Rigid 3 Axle HGV + 3 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer	7	Artic, 2 Axle Tractor + 1 Axle Semi-Trailer
2	Rigid 2 Axle Heavy Goods Vehicle	8	Artic, 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	9	Artic, 3 Axle Tractor + 3 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 1 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 2 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	11	Artic, 3 Axle Tractor + 3 Axle Semi-Trailer
5	Rigid 2 Axle HGV + 2 Axle Drawbar Trailer	12	Bus or Coach, 2 Axle
5	Rigid 2 Axle HGV + 3 Axle Drawbar Trailer	12	Bus or Coach, 3 Axle
5	Rigid 2 Axle HGV + 1 Axle Caravan or Trailer	13	Vehicle with 7 or more Axles

