

Redwood Partnership Transportation Limited

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REDWOOD PARTNERSHIP

Consulting Engineers
Transportation Planners



**BROADFIELDS INNOVATION & BUSINESS PARK
TILBURY ROAD
EAST HORNDON
BRENTWOOD
ESSEX
CM13 3LS**

TRANSPORT ASSESSMENT

Volume 4 of 5

on behalf of
MM PROPERTIES (LONDON) LIMITED

PMcL/3386d5/September 2022



Volume 1 of 5

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DRAWINGS

NWA-0503-A20-007 - Indicative Site Layout (Nicholas Webb Architects plc)

REDW-3386-404 – A128 Tilbury Road / Station Road Traffic Signals Layout

Volume 3 of 5

REDW-3386-405 – Site Access Plan

REDW-3386-406 - Accessibility Plan

REDW-3386-407 - Bus Services Accessibility Plan

Volume 4 of 5

REDW-3235-104-B- Approved Roundabout - A128 Tilbury Road/Tilbury Road junction

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APPENDIX B

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Arcady Results – A127/A128 Interchange

APPENDIX C

Picady Results existing layout – A128 Tilbury Road/Station Road
Picady Results proposed layout– A128 Tilbury Road/Station Road

APPENDIX D

Linsig Results – A128 Tilbury Road/Station Road Pre-DHGV Development
Linsig Results – A128 Tilbury Road/Station Road Post-DHGV Development

APPENDIX E

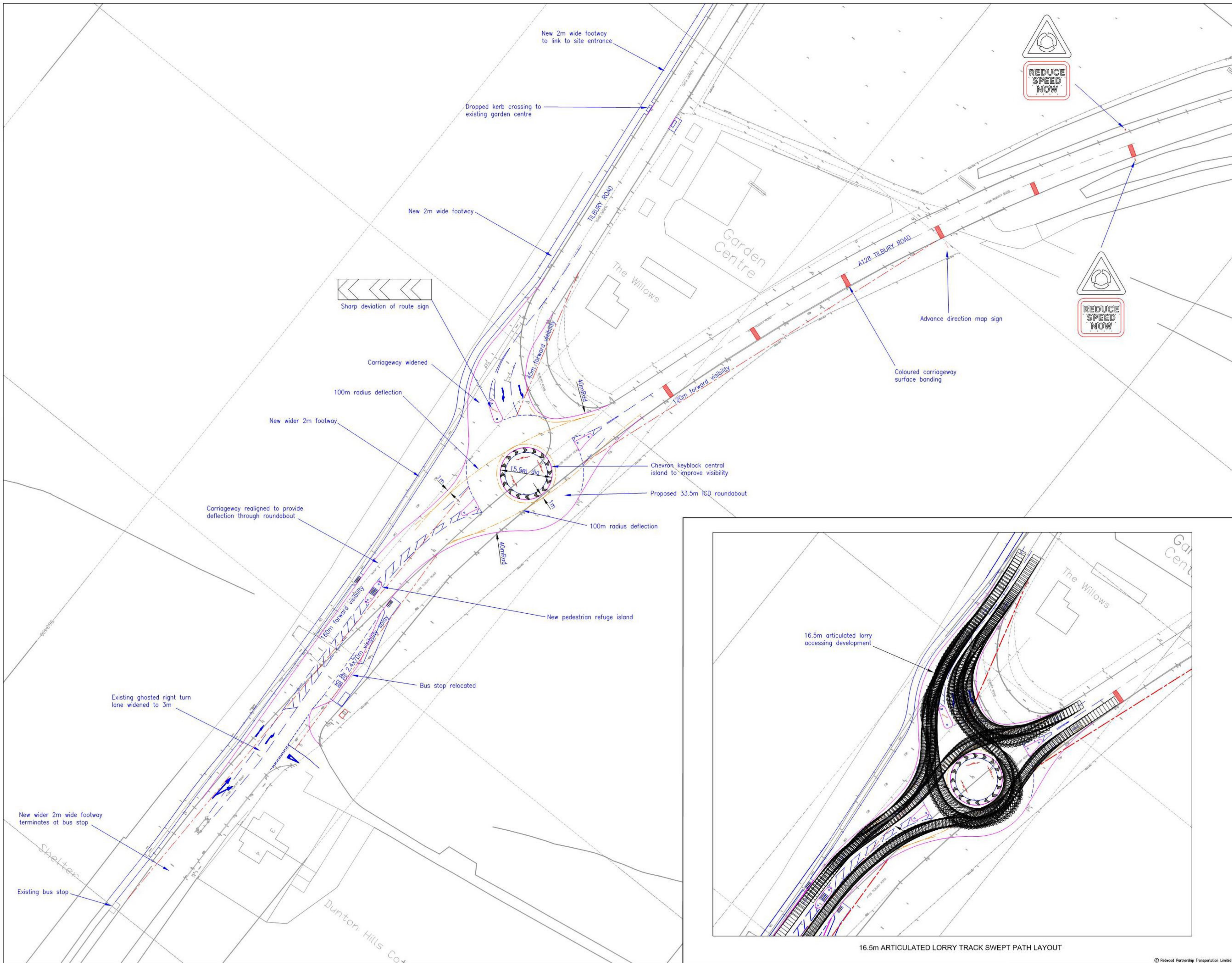
Personal Injury Accident Data



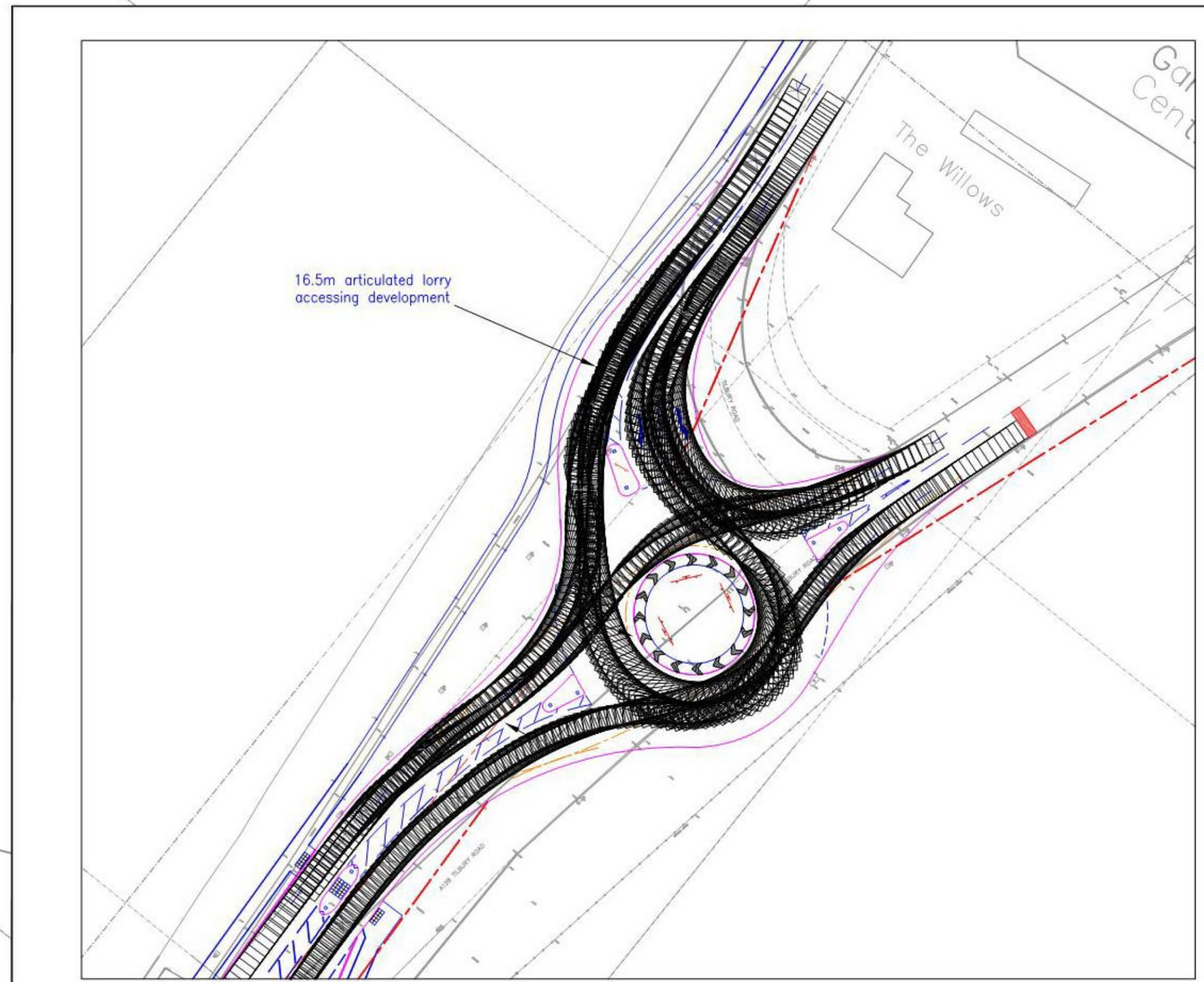
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APPENDIX F

TRICS Assessment



- NOTES
1. All dimensions are in metres unless otherwise stated
 2. Chevron keyblock central island; roundabout warning signs and advanced direction signs proposed to mitigate reduced southbound forward visibility



B	Jan 18	Countdown signs deleted; sharp deviation of route sign & roundabout warning signs added	pl
A	Nov 17	Forward visibility amended	pl
Rev	Date	Details	Drawn

FOR APPROVAL

REDWOOD PARTNERSHIP
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Client: MM PROPERTIES (LONDON) LIMITED

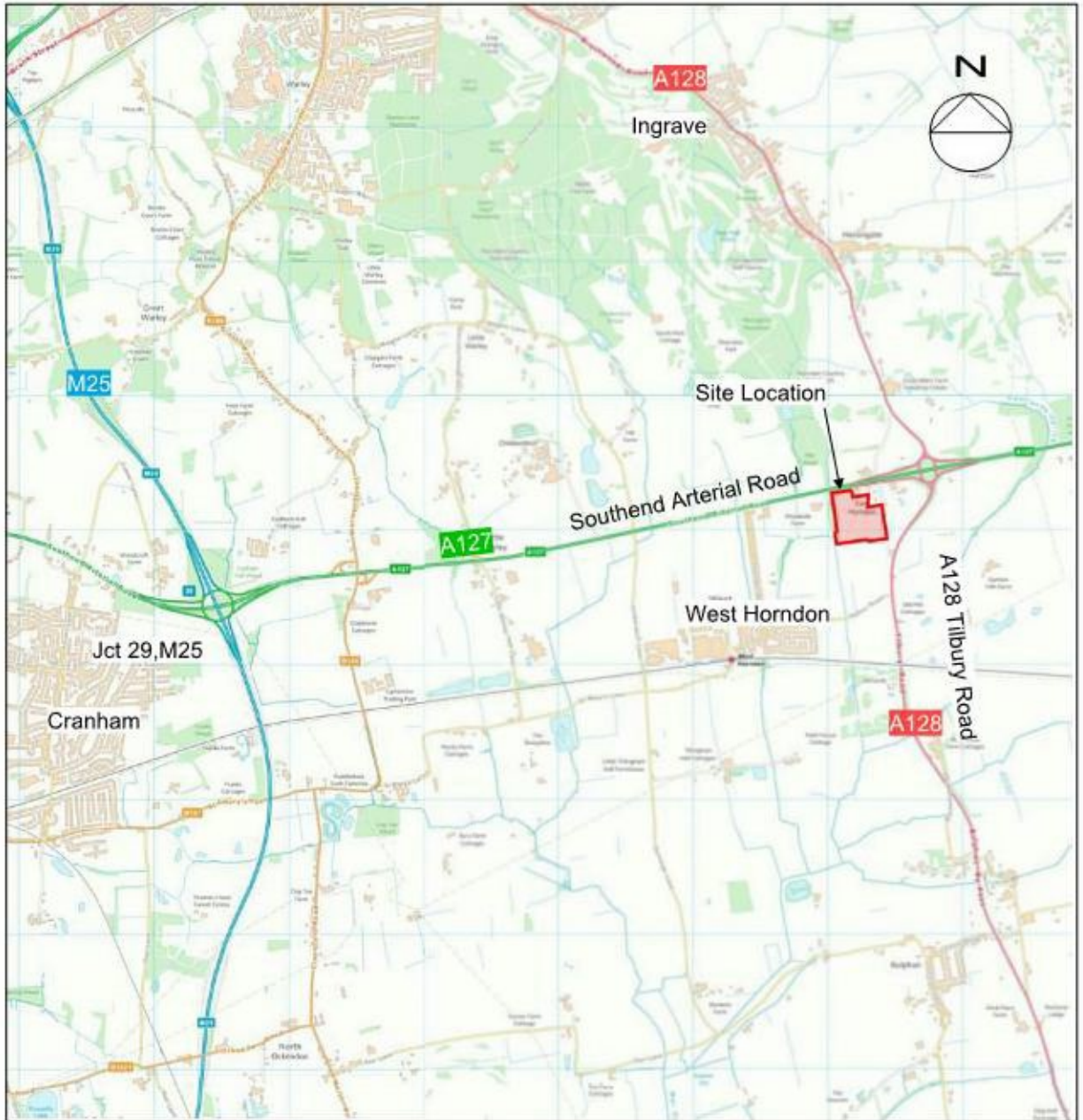
Project: EAST HORNDON BUSINESS PARK
TILBURY ROAD, BRENTWOOD, ESSEX

Title: TILBURY ROAD / A128 TILBURY ROAD
ROUNDBOULT
JUNCTION IMPROVEMENT

Drawn	PL	Scale	1:500	Date	OCTOBER 2017
Sheet	A1				

Drawing No. **REDW-3235-104** Rev **B**

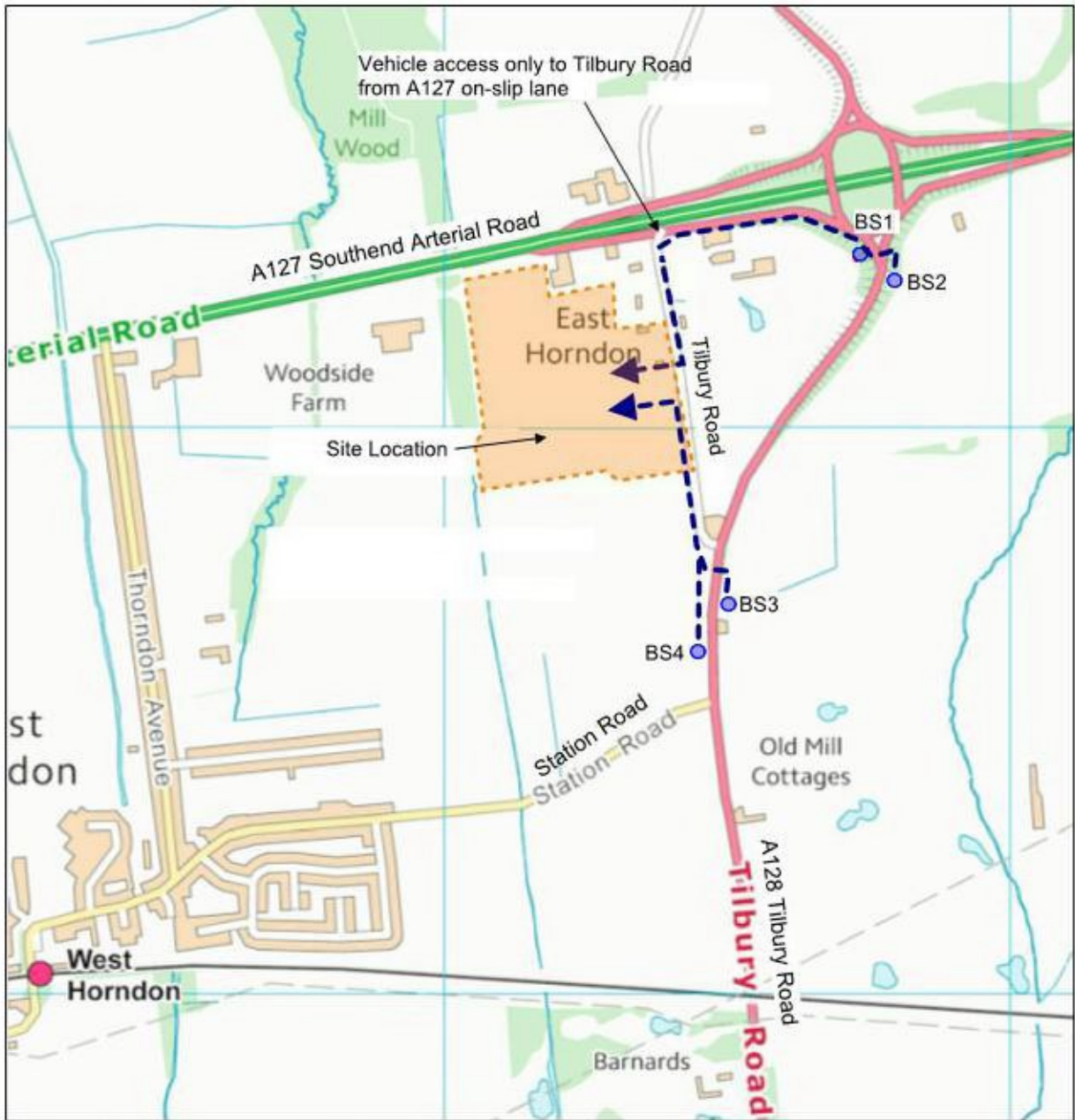
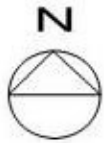
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**3386 Mixed Use Development, Tilbury Road, East Horndon
Site Location Plan**

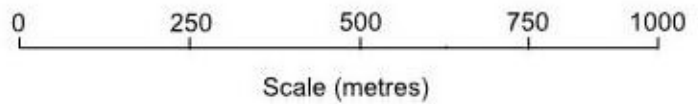
FIGURE A1



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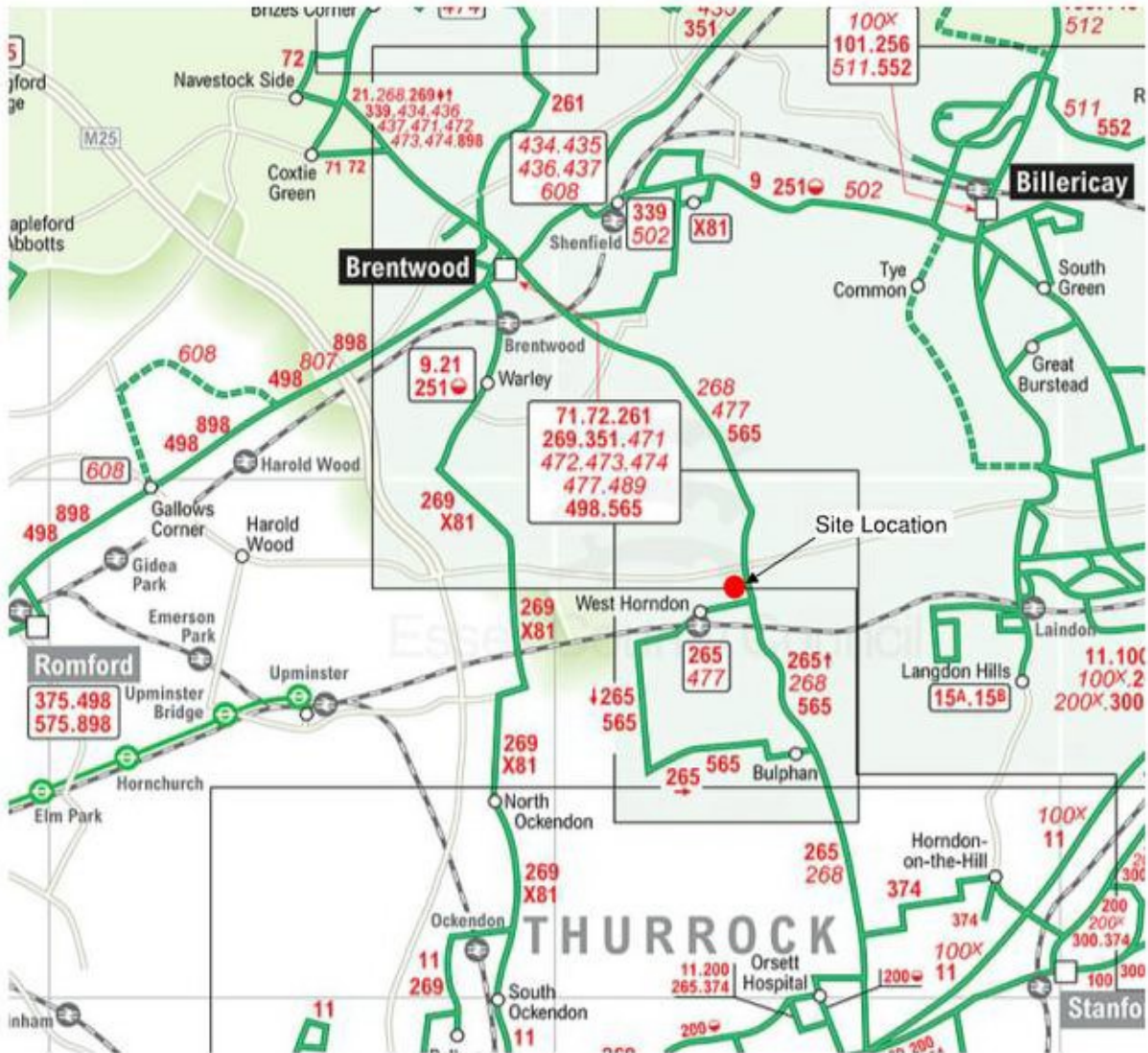
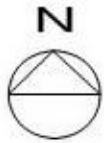
KEY

- Pedestrian route to site
- BS4 Bus stop (no.4)
- Railway Station



3386 Mixed Use Development, Tilbury Road, East Horndon
Junction Location Plan

FIGURE A2



Source: http://www.cartogold.co.uk/Essex_Public_Transport/

3386 Mixed Use Development, Tilbury Road, East Horndon
Bus Transport Plan

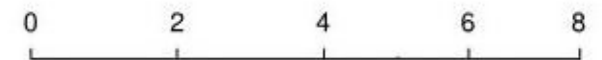
FIGURE A3



KEY



5 mile (8km) cycle catchment isochrone



Scale (metres)

3386 Mixed Use Development, Tilbury Road, East Horndon
Cycle Catchment Isochrone Plan

FIGURE A4



Time of day	B1c (9,844 sqm)				B2 (4,800 sqm)				B8 (17,000 sqm)				B1(b) (0 sqm)				Accum
	Trip Rate/100sqm		Vehicles		Trip Rate/100sqm		Vehicles		Trip Rate/100sqm		Vehicles		Trip Rate/100sqm		Vehicles		
	in	out	in	out	in	out	in	out	in	out	in	out	in	out	in	out	3
0600-0630	0.026	0.000	3	0	0.000	0.000	0	0	0.136	0.000	29	0	0.000	0.000	0	0	35
0630-0700	0.123	0.044	15	5	0.000	0.000	0	0	0.102	0.034	22	7	0.000	0.000	0	0	59
0700-0730	0.078	0.009	10	1	0.135	0.041	8	2	0.050	0.017	11	4	0.000	0.000	0	0	80
0730-0800	0.167	0.009	21	1	0.240	0.045	14	3	0.065	0.038	14	8	0.000	0.000	0	0	117
0800-0830	0.476	0.035	59	4	0.219	0.094	13	6	0.038	0.027	8	6	0.000	0.000	0	0	181
0830-0900	0.260	0.049	32	6	0.205	0.074	12	4	0.124	0.022	26	5	0.000	0.000	0	0	237
0900-0930	0.133	0.046	16	6	0.143	0.098	9	6	0.054	0.054	11	11	0.000	0.000	0	0	250
0930-1000	0.107	0.055	13	7	0.112	0.093	7	6	0.059	0.065	13	14	0.000	0.000	0	0	257
1000-1030	0.087	0.063	11	8	0.119	0.112	7	7	0.038	0.048	8	10	0.000	0.000	0	0	258
1030-1100	0.072	0.058	9	7	0.096	0.096	6	6	0.022	0.048	5	10	0.000	0.000	0	0	254
1100-1130	0.040	0.049	5	6	0.118	0.117	7	7	0.054	0.043	11	9	0.000	0.000	0	0	255
1130-1200	0.029	0.049	4	6	0.114	0.114	7	7	0.027	0.016	6	3	0.000	0.000	0	0	255
1200-1230	0.055	0.089	7	11	0.100	0.122	6	7	0.054	0.059	11	13	0.000	0.000	0	0	249
1230-1300	0.063	0.061	8	8	0.115	0.124	7	7	0.065	0.038	14	8	0.000	0.000	0	0	254
1300-1330	0.089	0.101	11	12	0.121	0.129	7	8	0.086	0.070	18	15	0.000	0.000	0	0	255
1330-1400	0.049	0.040	6	5	0.103	0.114	6	7	0.032	0.054	7	11	0.000	0.000	0	0	251
1400-1430	0.058	0.040	7	5	0.108	0.099	6	6	0.059	0.091	13	19	0.000	0.000	0	0	247
1430-1500	0.052	0.075	6	9	0.104	0.106	6	6	0.059	0.048	13	10	0.000	0.000	0	0	247
1500-1530	0.026	0.087	3	11	0.122	0.113	7	7	0.054	0.038	11	8	0.000	0.000	0	0	243
1530-1600	0.038	0.058	5	7	0.086	0.128	5	8	0.027	0.043	6	9	0.000	0.000	0	0	235
1600-1630	0.032	0.081	4	10	0.108	0.198	6	12	0.032	0.043	7	9	0.000	0.000	0	0	221
1630-1700	0.049	0.153	6	19	0.070	0.159	4	10	0.048	0.070	10	15	0.000	0.000	0	0	198
1700-1730	0.043	0.167	5	21	0.049	0.261	3	16	0.027	0.086	6	18	0.000	0.000	0	0	158
1730-1800	0.032	0.470	4	58	0.035	0.130	2	8	0.005	0.065	1	14	0.000	0.000	0	0	85
1800-1830	0.035	0.234	4	29	0.025	0.079	2	5	0.022	0.043	5	9	0.000	0.000	0	0	53
1830-1900	0.009	0.066	1	8	0.031	0.043	2	3	0.011	0.032	2	7	0.000	0.000	0	0	41
1900-1930	0.035	0.044	4	5	0.000	0.000	0	0	0.169	0.102	36	22	0.000	0.000	0	0	54
1930-2000	0.009	0.088	1	11	0.000	0.000	0	0	0.034	0.102	7	22	0.000	0.000	0	0	30
2000-2030	0.000	0.000	0	0	0.000	0.000	0	0	0.034	0.034	7	7	0.000	0.000	0	0	30
2030-2100	0.000	0.000	0	0	0.000	0.000	0	0	0.068	0.102	14	22	0.000	0.000	0	0	23
2100-2130	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	0	23
2130-2200	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	5	18
2200-2230	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	0	18
2230-2300	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	0	18
2300-2330	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	0	18
2330-2400	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	0	0.000	0.000	0	0	18
Total arrivals			280				161				352				0		

3386 Mixed Use Development, Tilbury Road, East Horndon
Car Park Accumulation Table

FIGURE A5



QS701EW - Method of travel to work

Show/Hide To

Download (.xlsx) - or older .xls format
Table population: All usual residents aged 16 to 74
Rural Urban by Method of Travel to Work

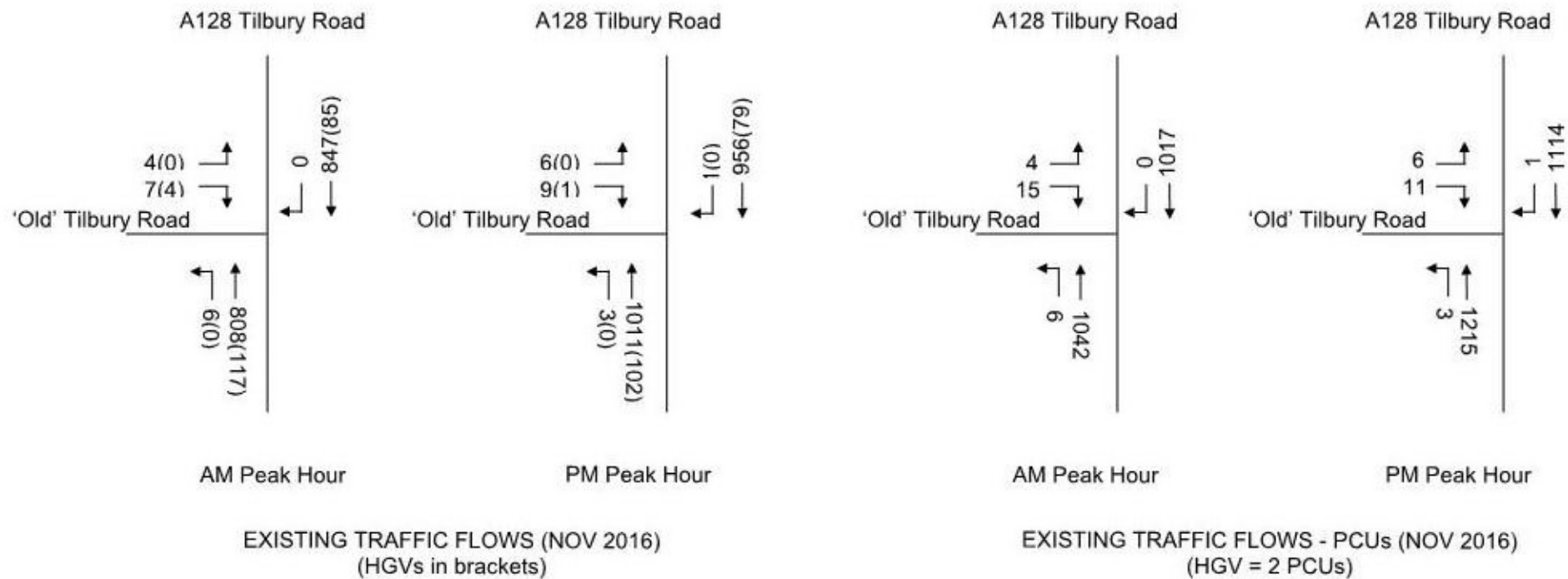
Units: Persons

Date: 2011

Geography: Brentwood

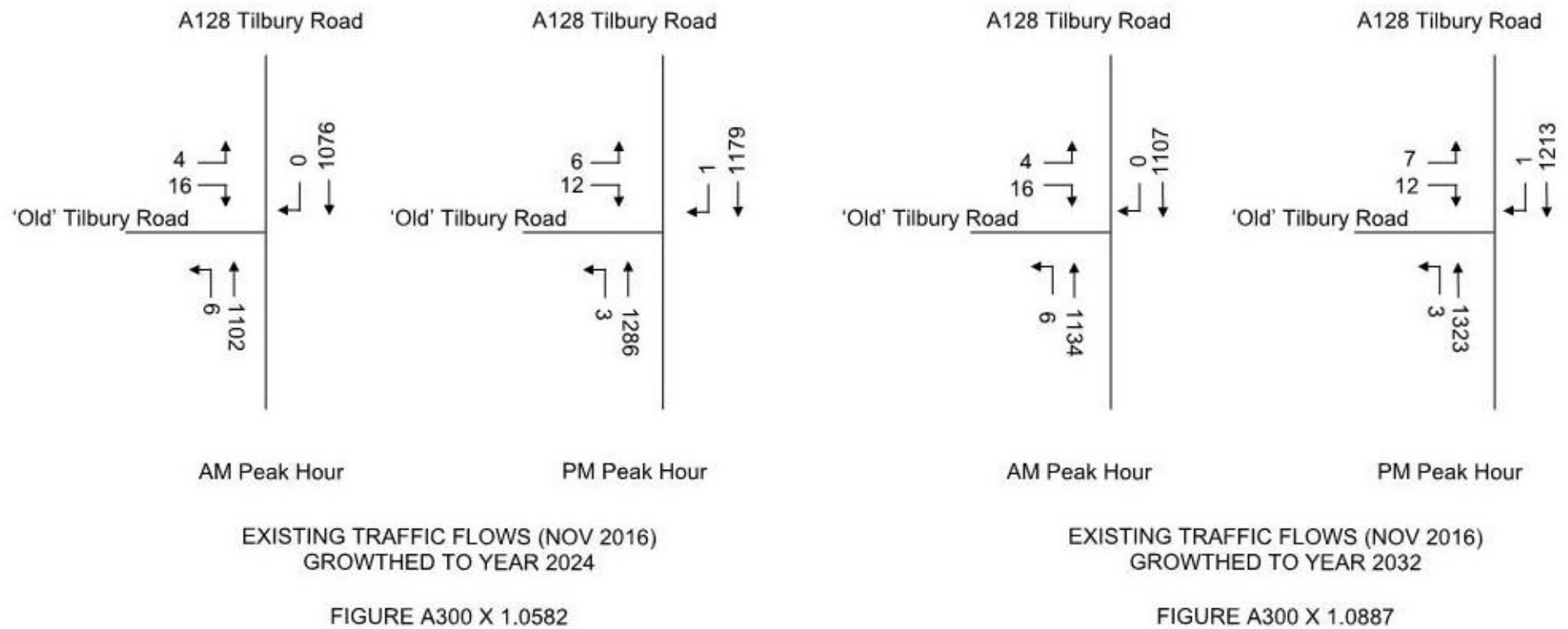
Measures: value

	All categories: Method of travel to work	Work mainly at or from home	Underground, metro, light rail, tram	Train	Bus, minibus or coach	Taxi	Motorcycle, scooter or moped	Driving a car or van	Passenger in a car or van	Bicycle	On foot	Other method of travel to work	Not in employment
Total	52,959	2,239	683	8,385	655	227	238	19,234	1,219	337	2,828	206	16,708
Urban (total)	37,943	1,428	492	6,705	537	177	159	13,198	879	273	2,333	153	11,609
Urban major conurbation	0	0	0	0	0	0	0	0	0	0	0	0	0
Urban minor conurbation	0	0	0	0	0	0	0	0	0	0	0	0	0
Urban city and town	37,943	1,428	492	6,705	537	177	159	13,198	879	273	2,333	153	11,609
Urban city and town in a sparse setting	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural (total)	15,016	811	191	1,680	118	50	79	6,036	340	64	495	53	5,099
Rural town and fringe	9,343	396	109	1,156	72	34	58	3,715	204	43	311	32	3,213
Rural town and fringe in a sparse setting	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural village	2,321	147	29	209	24	8	10	971	64	9	72	4	774
Rural village in a sparse setting	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural hamlet and isolated dwellings	3,352	268	53	315	22	8	11	1,350	72	12	112	17	1,112
Rural hamlet and isolated dwellings in a sparse setting	0	0	0	0	0	0	0	0	0	0	0	0	0



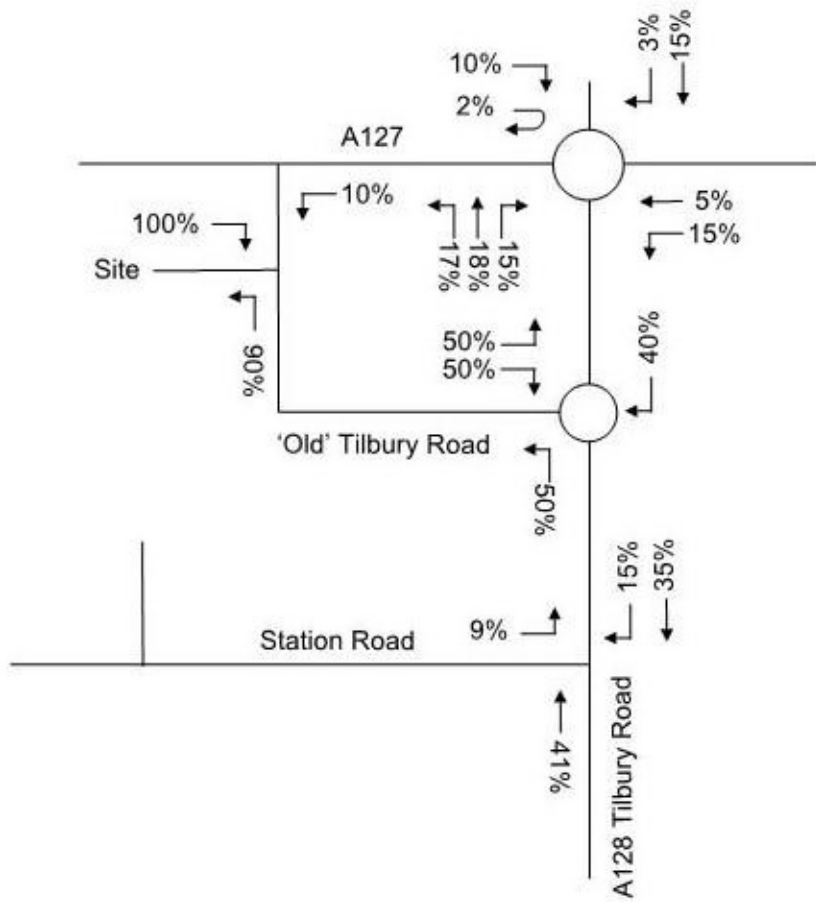
3386 Broadfields Mixed Use Development, Tilbury Road, East Horndon
Year 2016 Existing Peak Hour Traffic Flows - A128 Tilbury Road / Tilbury Road

FIGURE A300

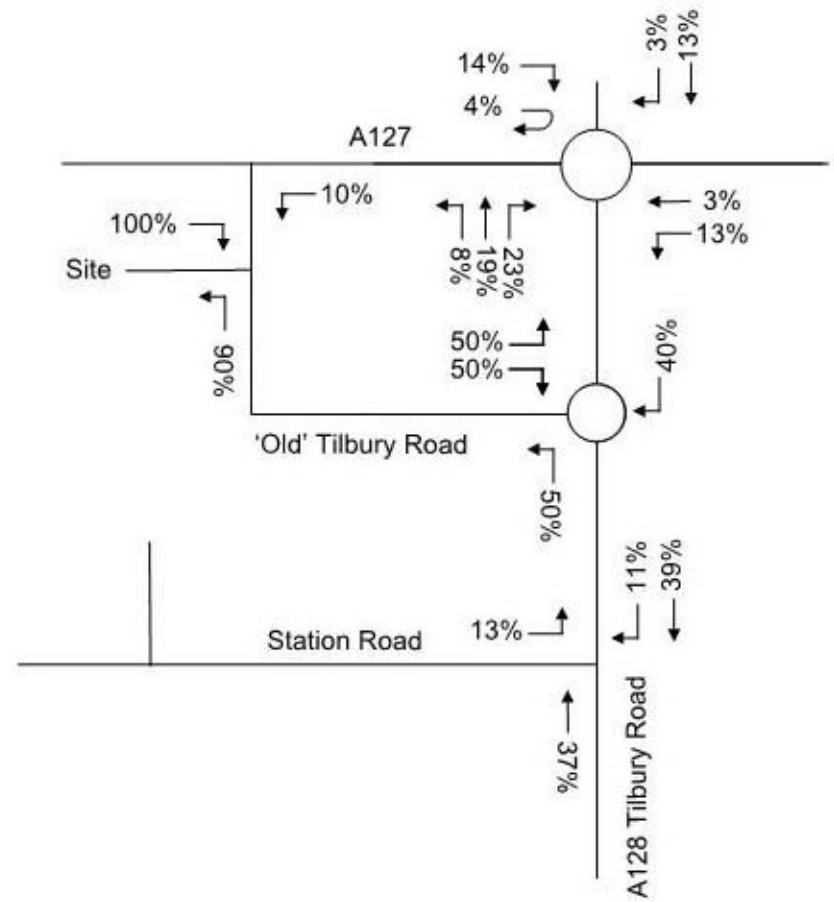


3386 Broadfields Mixed Use Development, Tilbury Road, East Horndon
 Existing Peak Hour Traffic Flows (PCUs) - A128 Tilbury Road / Old Tilbury Road

FIGURE A301



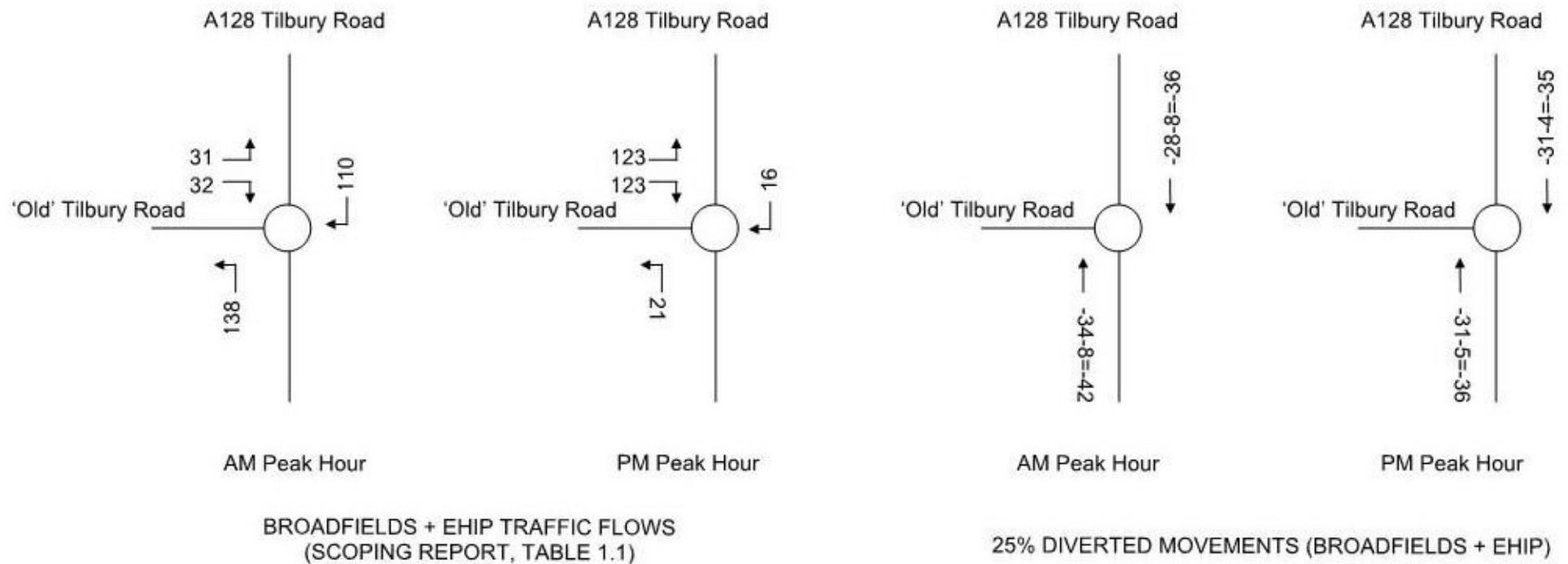
AM PEAK % DISTRIBUTION



PM PEAK % DISTRIBUTION

**3386 Broadfields Mixed Use Development, Tilbury Road, East Horndon
 Development Peak Hour Traffic Distribution**

FIGURE A302



EHIP = EAST HORNDON INDUSTRIAL PARK

3386 Mixed Use Development, Tilbury Road, East Horndon
Development Traffic & 25% Diverted Movements - A128 Tilbury Road / 'Tilbury Road

FIGURE A303

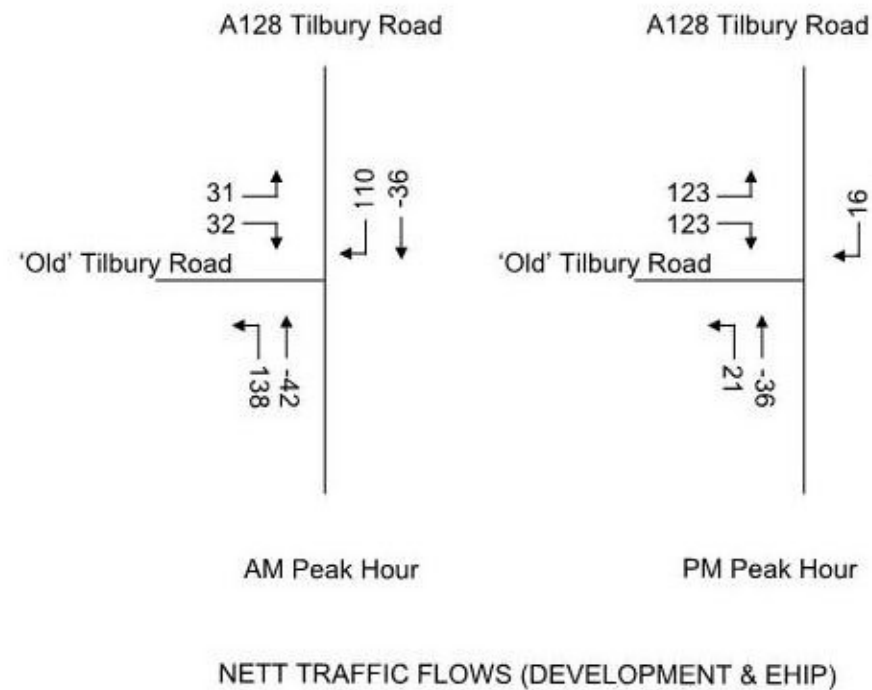
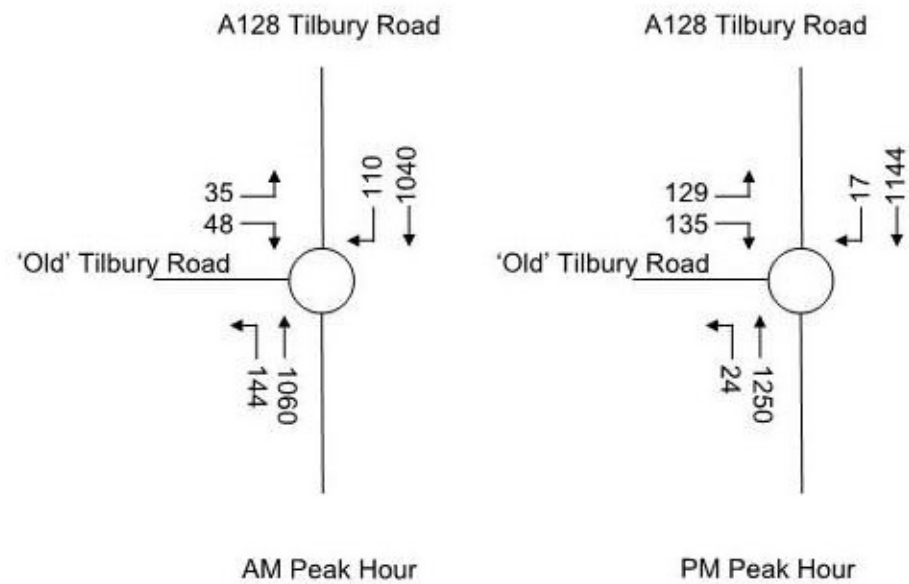
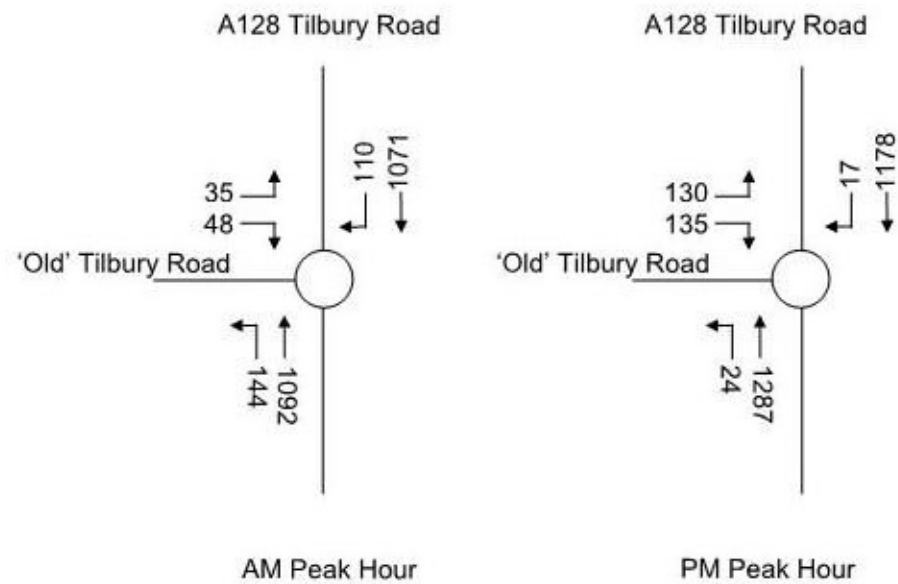


FIGURE A303 (Broadfields+EHIP+diverted movements)



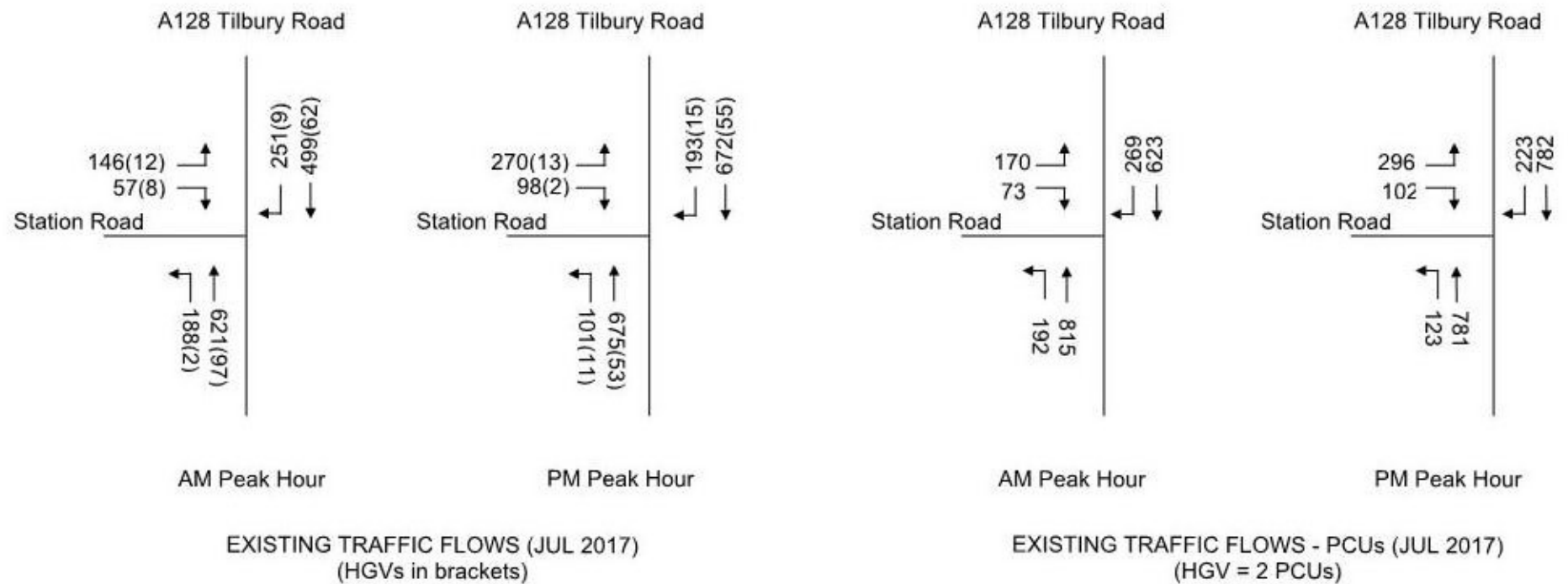
TOTAL TRAFFIC FLOWS
 EXISTING TRAFFIC 2016 GROWTHED TO 2024 + BROADFIELDS + EHIP

FIGURE A301 + FIGURE A304



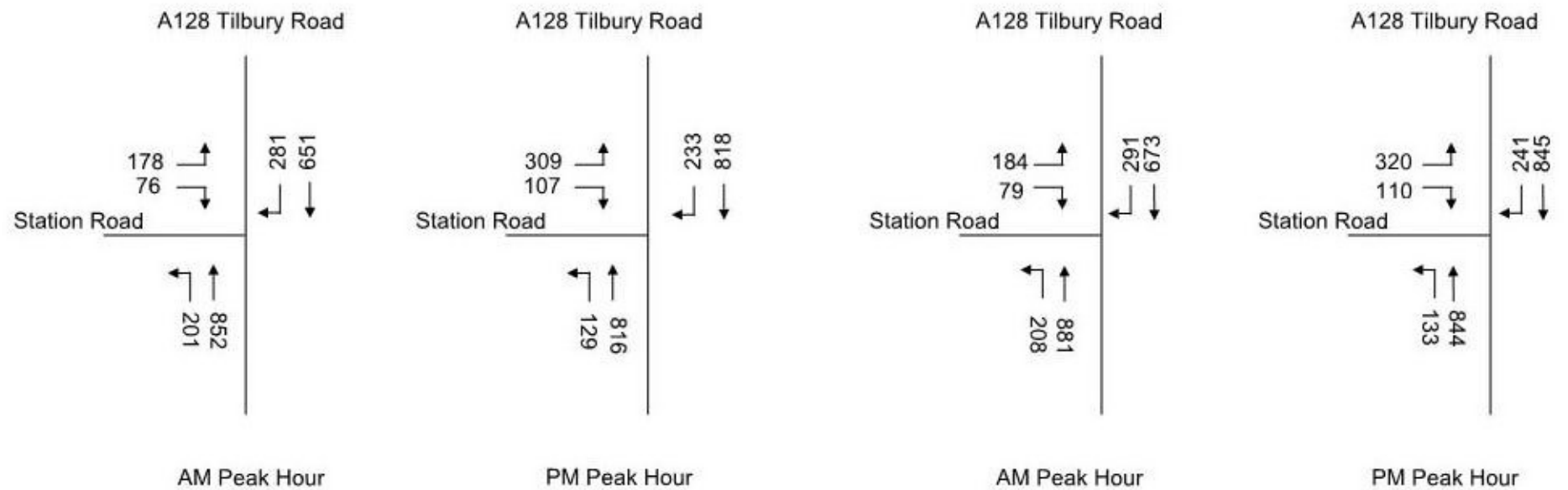
TOTAL TRAFFIC FLOWS
 EXISTING TRAFFIC 2016 GROWTHED TO 2032 + BROADFIELDS + EHIP

FIGURE A301 + FIGURE A304



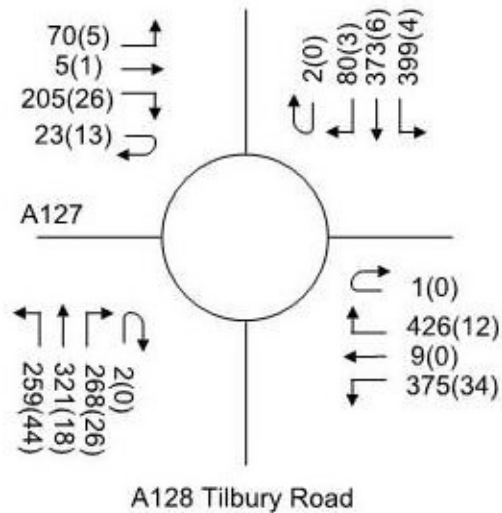
3386 Mixed Use Development, Tilbury Road, East Horndon
Existing Peak Hour Traffic Flows - A128 Tilbury Road / Station Road Junction

FIGURE A307

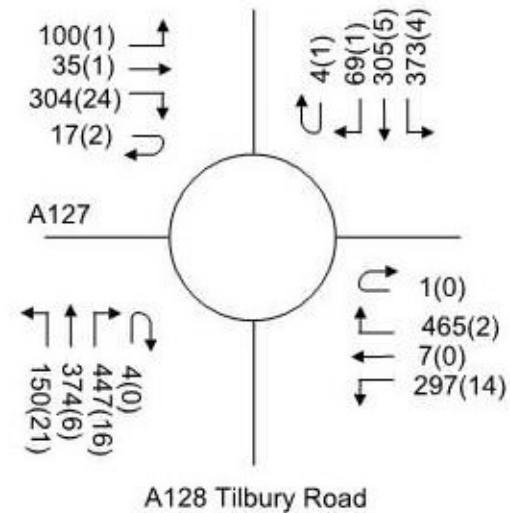


EXISTING 2017 TRAFFIC FLOWS GROWTHED TO YEAR 2024
 (FIGURE A307 PCUs x 1.0454)

EXISTING 2017 TRAFFIC FLOWS GROWTHED TO YEAR 2032
 (FIGURE A307 PCUs x 1.0810)

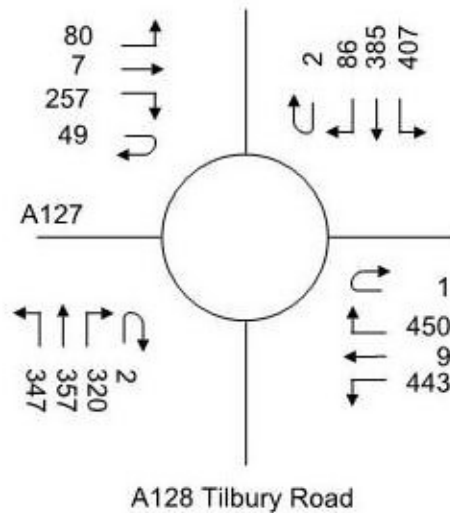


AM PEAK HOUR - 07:15-08:15 HRS
 WEDNESDAY 1st MARCH 2017

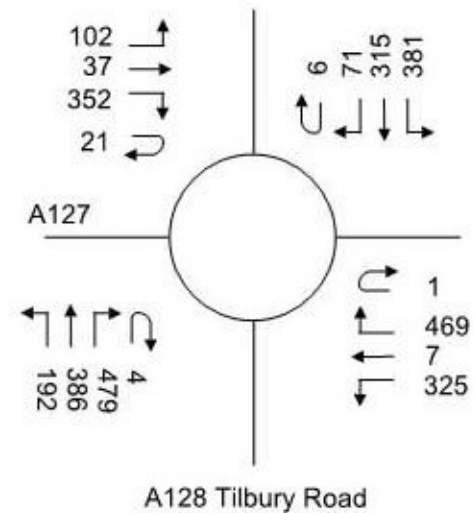


PM PEAK HOUR - 16:45-17:45 HRS
 WEDNESDAY 1st MARCH 2017

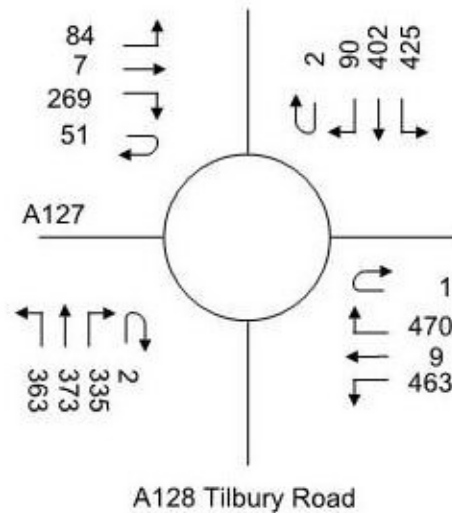
Note: Figures in brackets include MGV/HGV1/HGV2/PSV



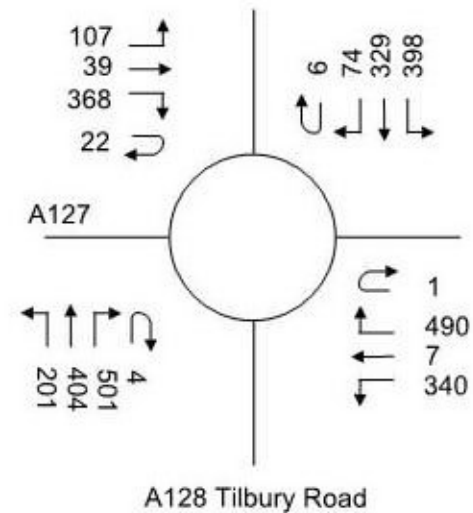
AM PEAK HOUR - 07:15-08:15 HRS
 WEDNESDAY 1st MARCH 2017
 PASSENGER CAR UNITS (PCUs)



PM PEAK HOUR - 16:45-17:45 HRS
 WEDNESDAY 1st MARCH 2017
 PASSENGER CAR UNITS (PCUs)

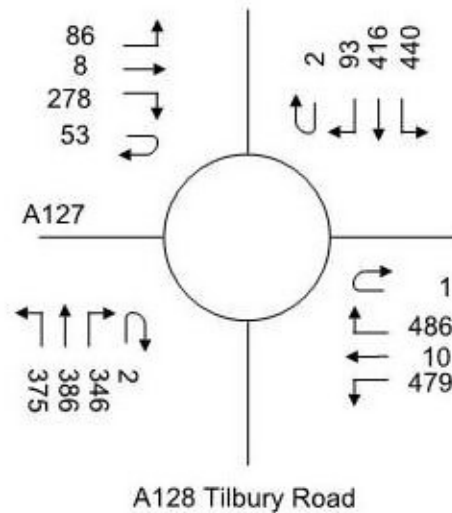


AM PEAK HOUR - 07:15-08:15 HRS
WEDNESDAY 1st MARCH 2017
GROWTHED TO YEAR 2024

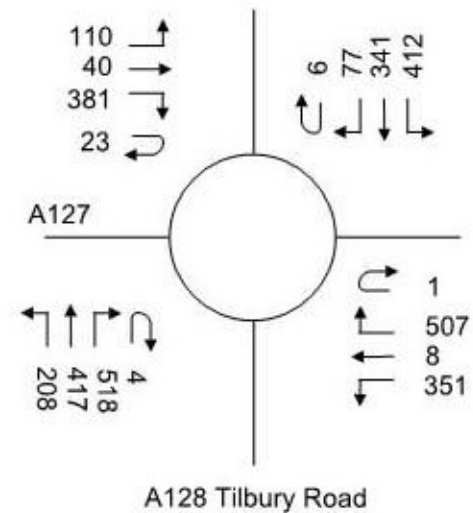


PM PEAK HOUR - 16:45-17:45 HRS
WEDNESDAY 1st MARCH 2017
GROWTHED TO YEAR 2024

FIGURE A310 x 1.0454

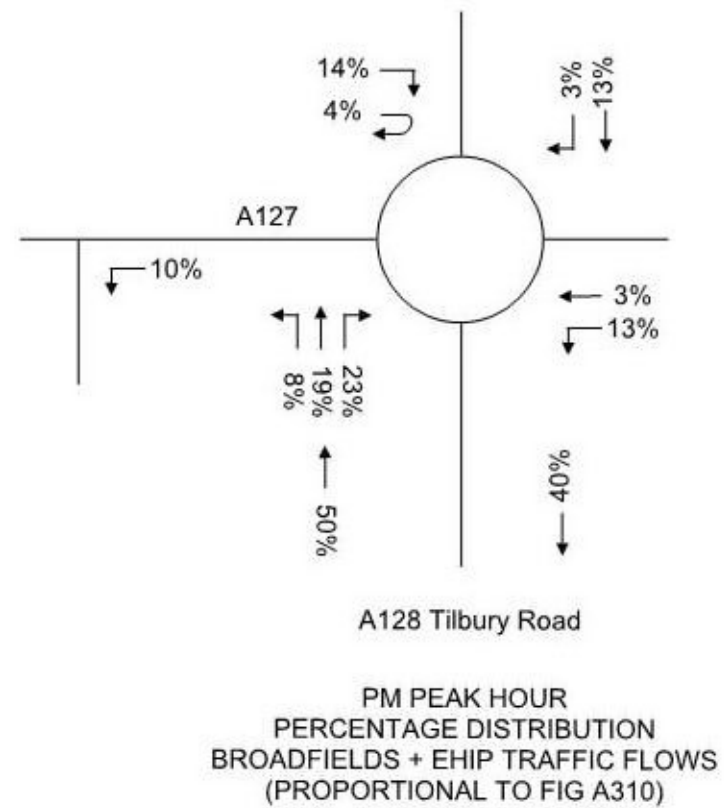
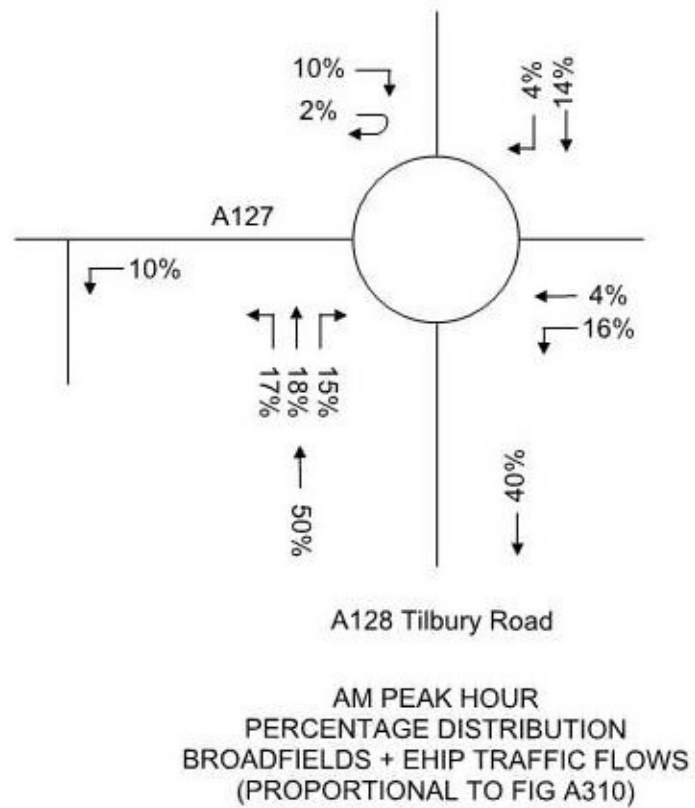


AM PEAK HOUR - 07:15-08:15 HRS
 WEDNESDAY 1st MARCH 2017
 GROWTHED TO YEAR 2032



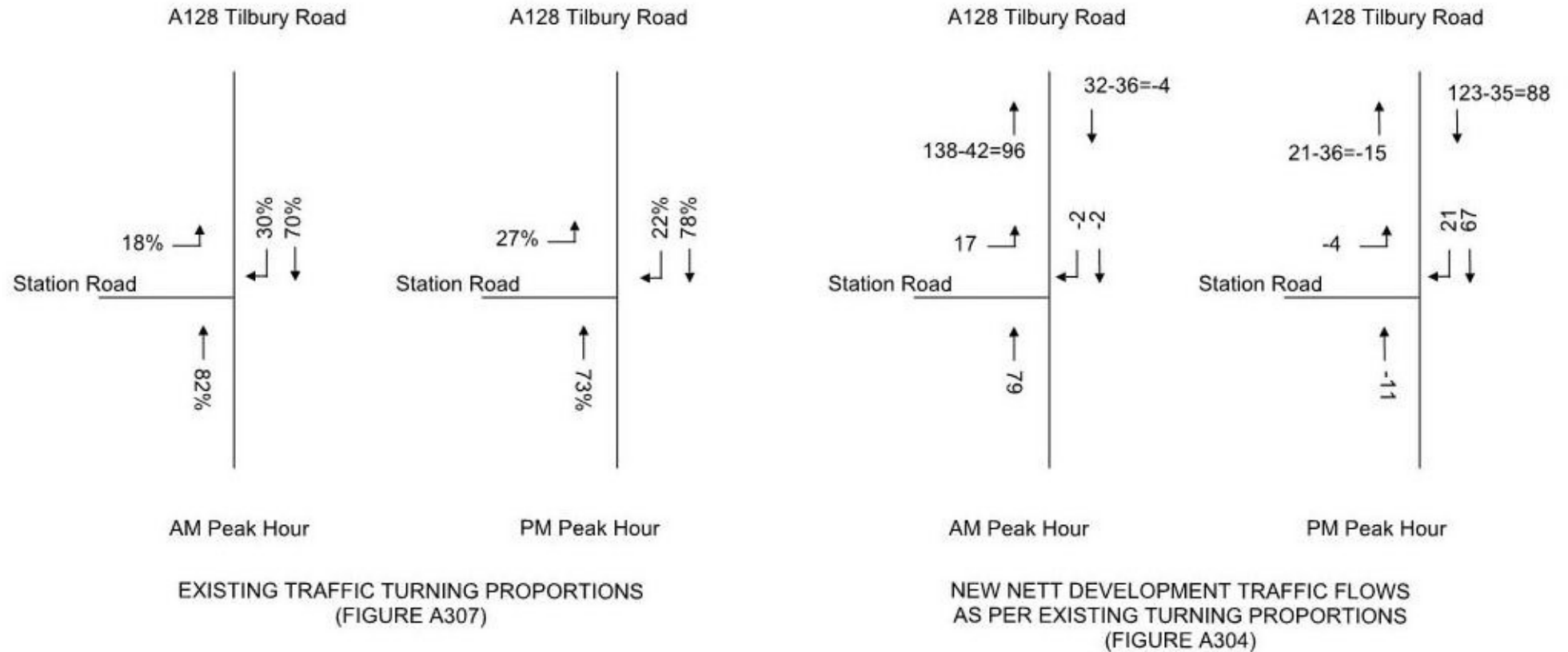
PM PEAK HOUR - 16:45-17:45 HRS
 WEDNESDAY 1st MARCH 2017
 GROWTHED TO YEAR 2032

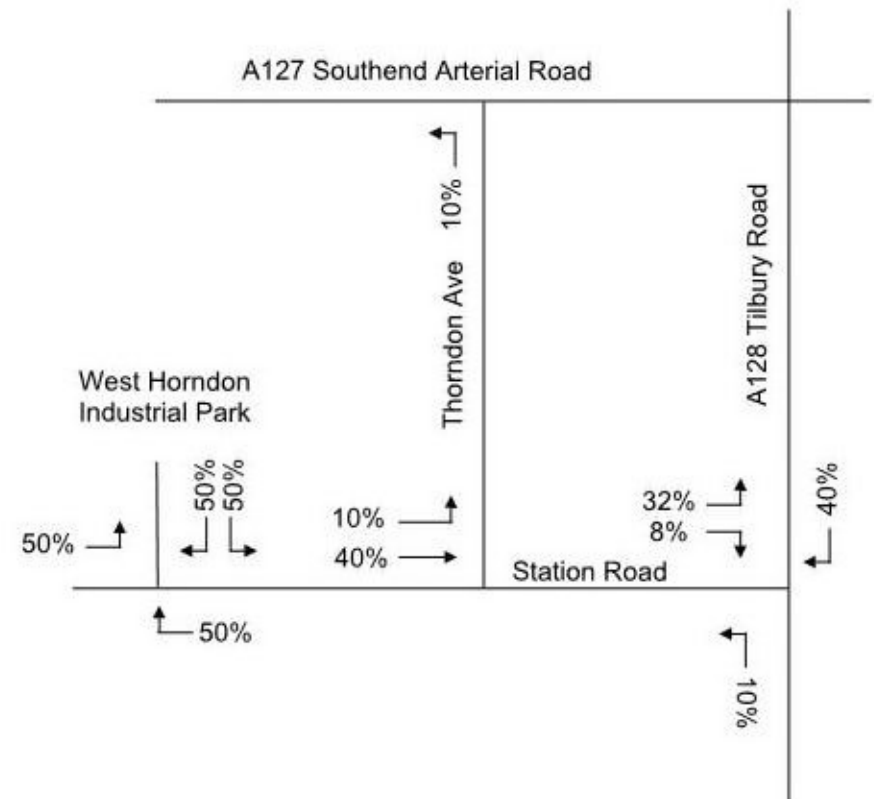
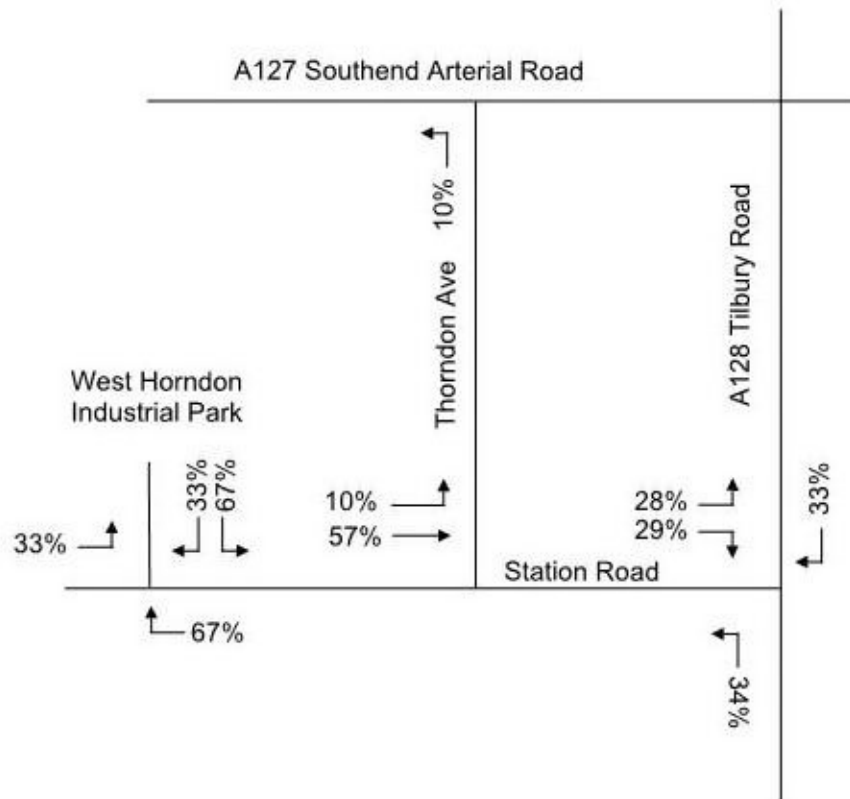
FIGURE A310 x 1.0810



3235 Mixed Use Development, Tilbury Road, East Horndon
 Percentage Distribution Development +EHIP Traffic Flows - A128/A127 Interchange

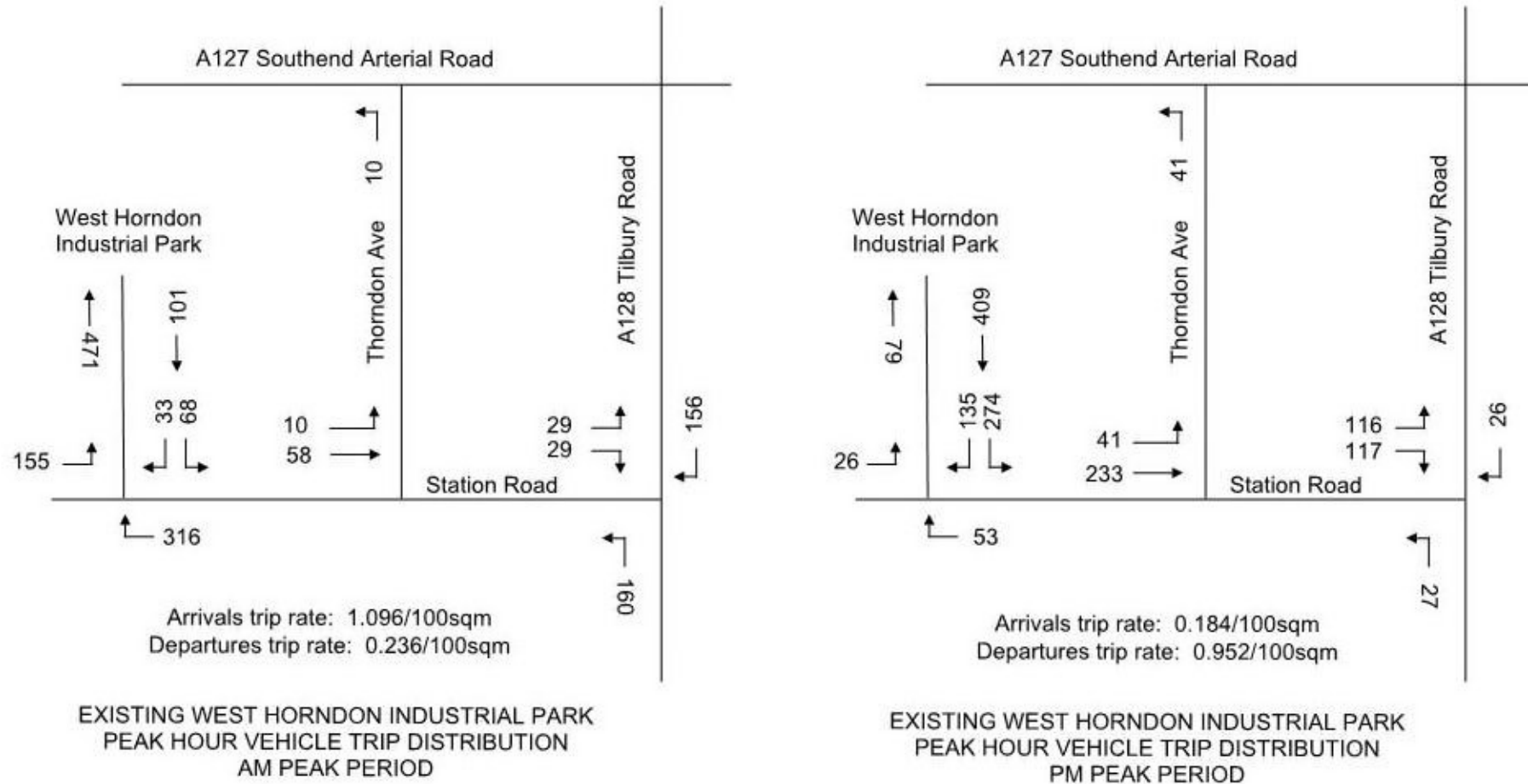
FIGURE A313





**3386 Mixed Use Development, Tilbury Road, East Horndon
 West Horndon Industrial Park - Vehicle Trip Percentage Distribution**

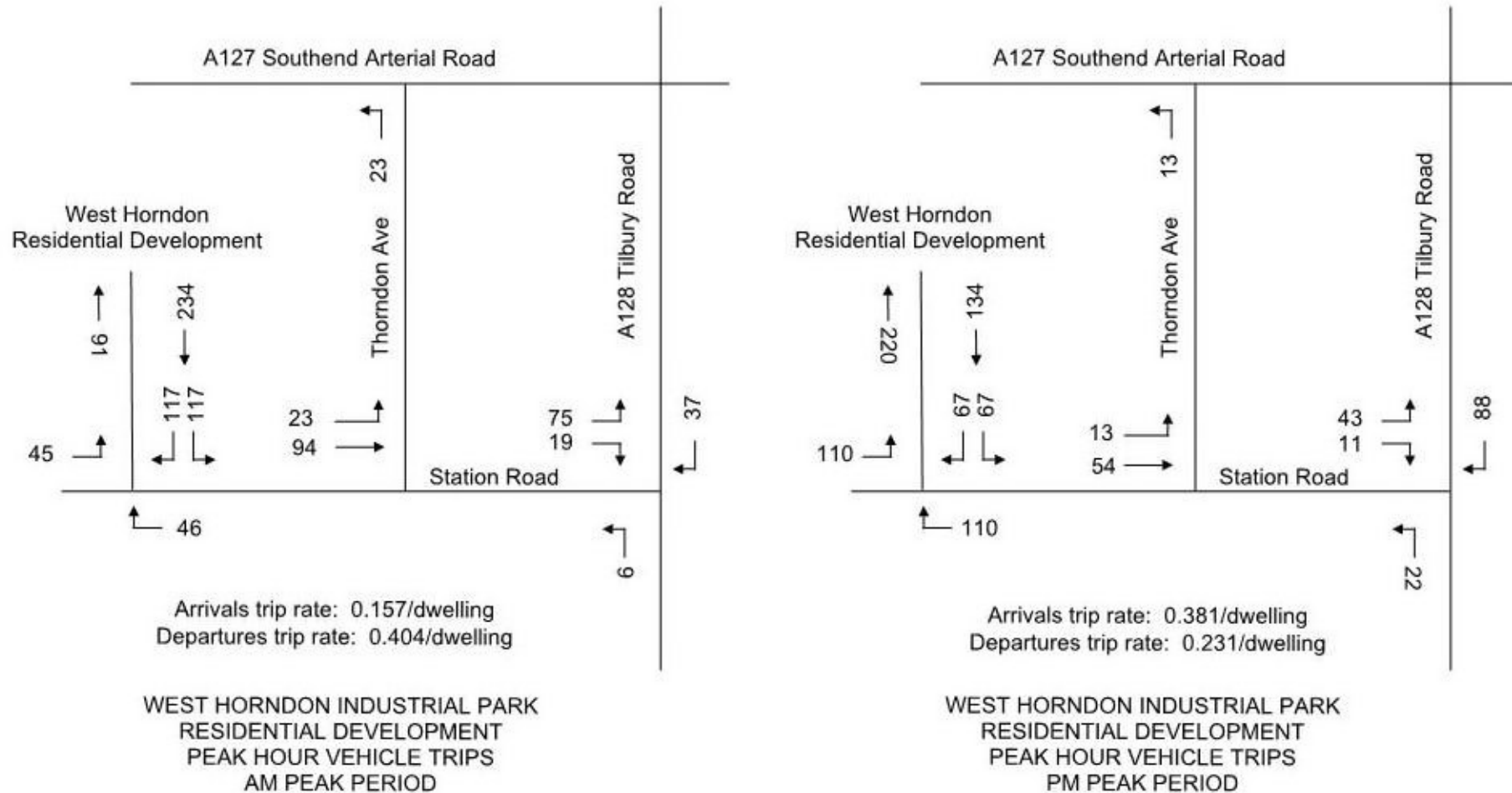
FIGURE A315



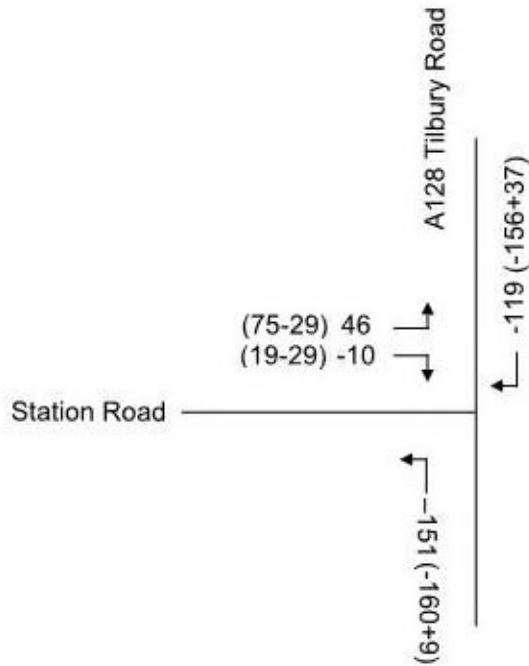
Note: 43,000 sqm of Industrial space to be replaced by residential development

**3386 Mixed Use Development, Tilbury Road, East Horndon
 West Horndon Industrial Park - Existing Peak Hour Industrial Vehicle Trips**

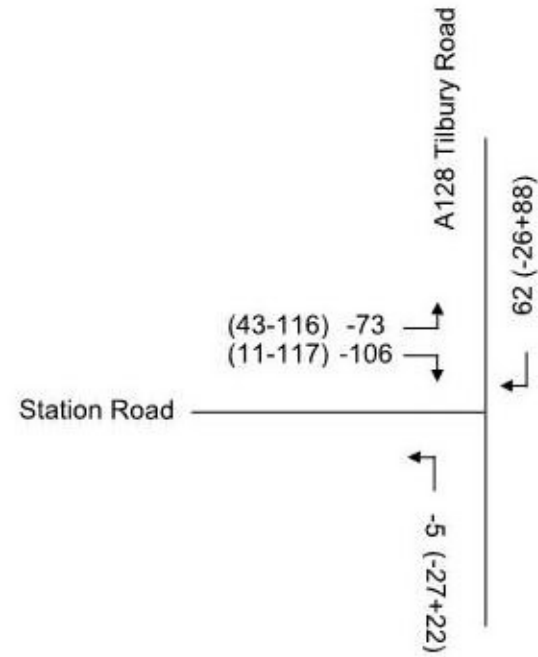
FIGURE A316



Note: 580 new dwellings proposed on West Horndon Industrial Park

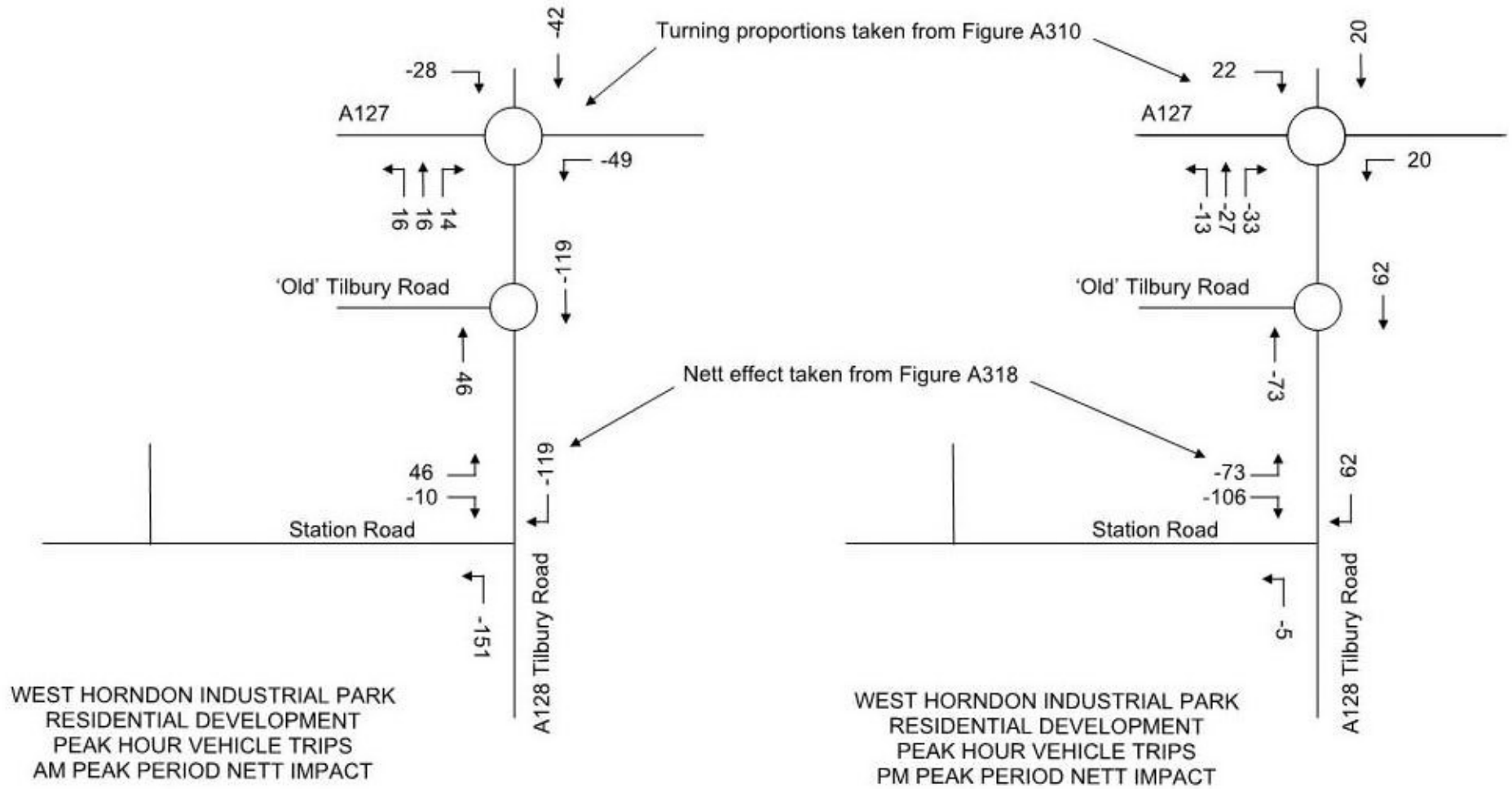


WEST HORNDON RE-DEVELOPMENT
 NETT EFFECT
 AM PEAK PERIOD



WEST HORNDON RE-DEVELOPMENT
 NETT EFFECT
 PM PEAK PERIOD

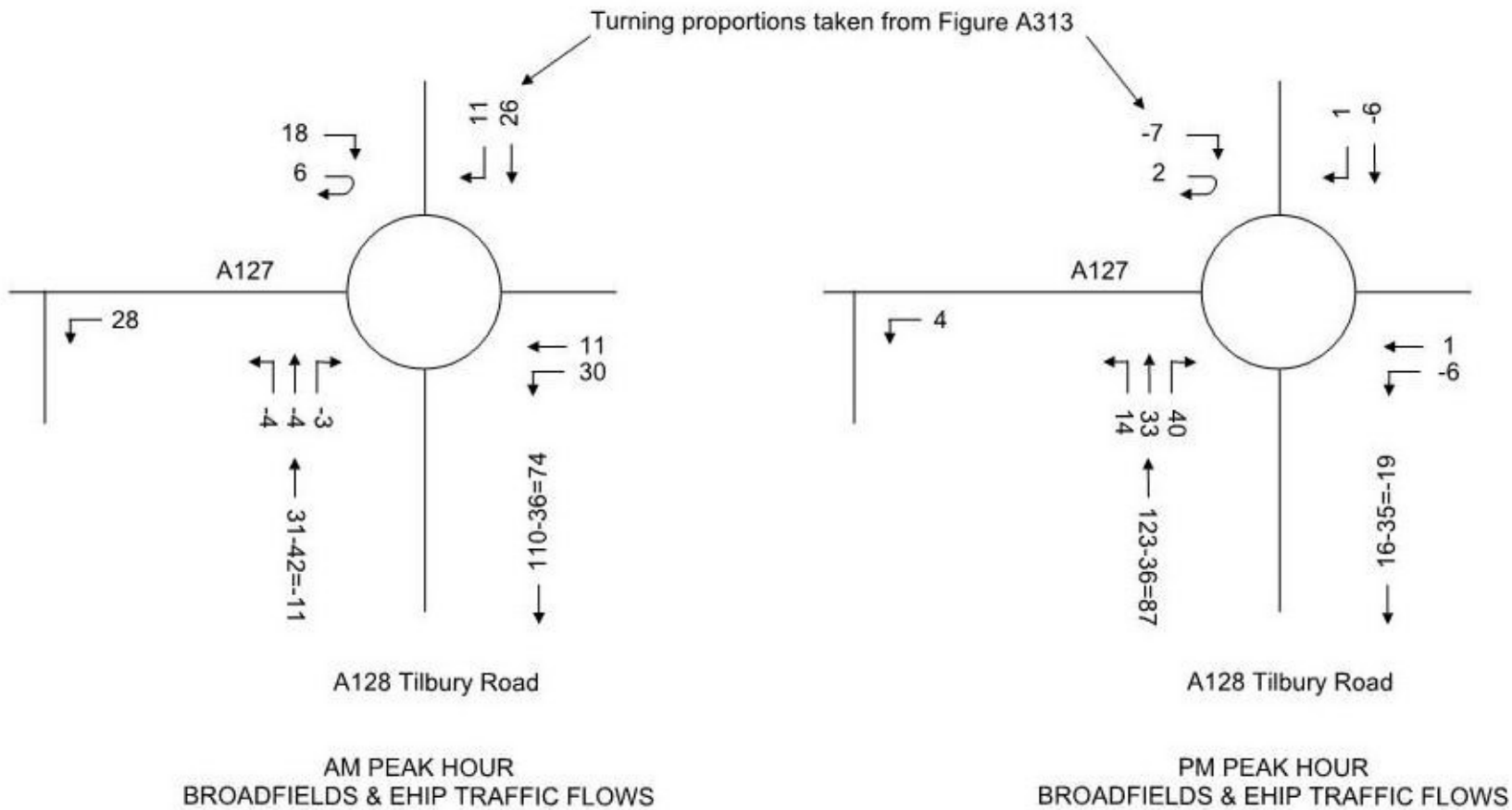
FIGURE A317 - FIGURE A316



Note: 580 new dwellings proposed on West Horndon Industrial Park

3386 Mixed Use Development, Tilbury Road, East Horndon
West Horndon Industrial Park - Re-development Peak Hour Traffic Distribution

FIGURE A319



NETT FLOWS TAKEN FROM FIGURE A304

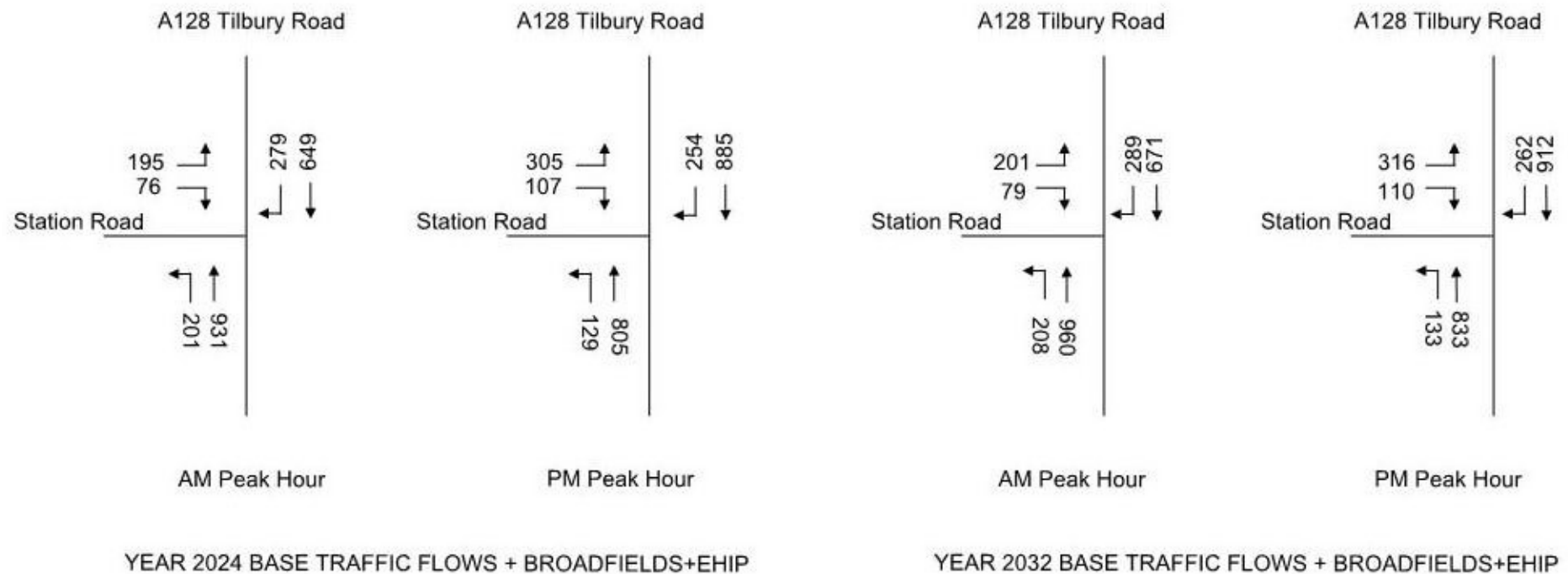


FIGURE A308 + FIGURE A314

3386 Mixed Use Development, Tilbury Road, East Horndon
Total Traffic Traffic Flows - A128 Tilbury Road / Station Road Junction

FIGURE A321

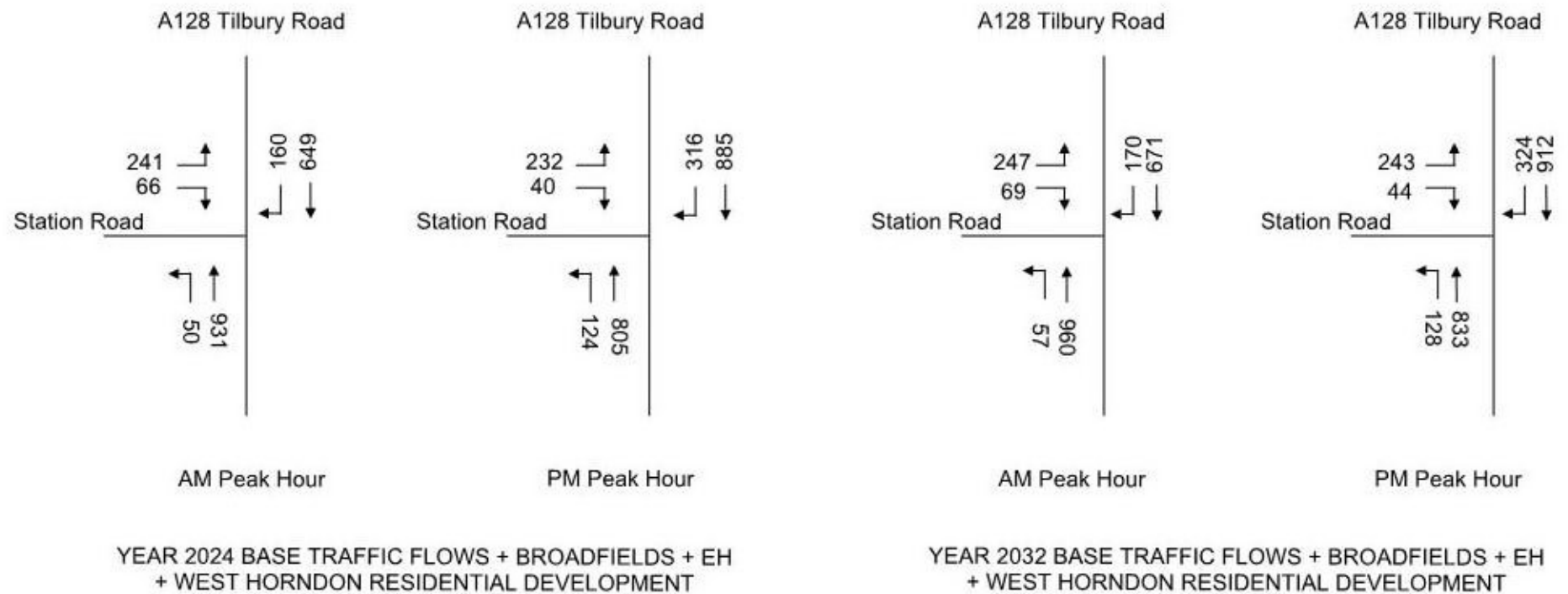
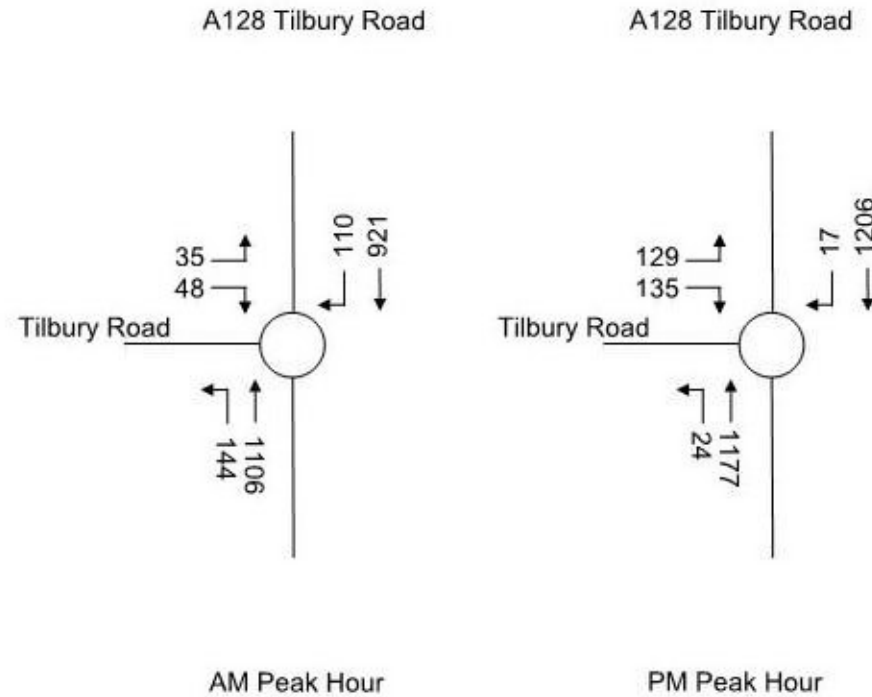


FIGURE A321 + FIGURE A318

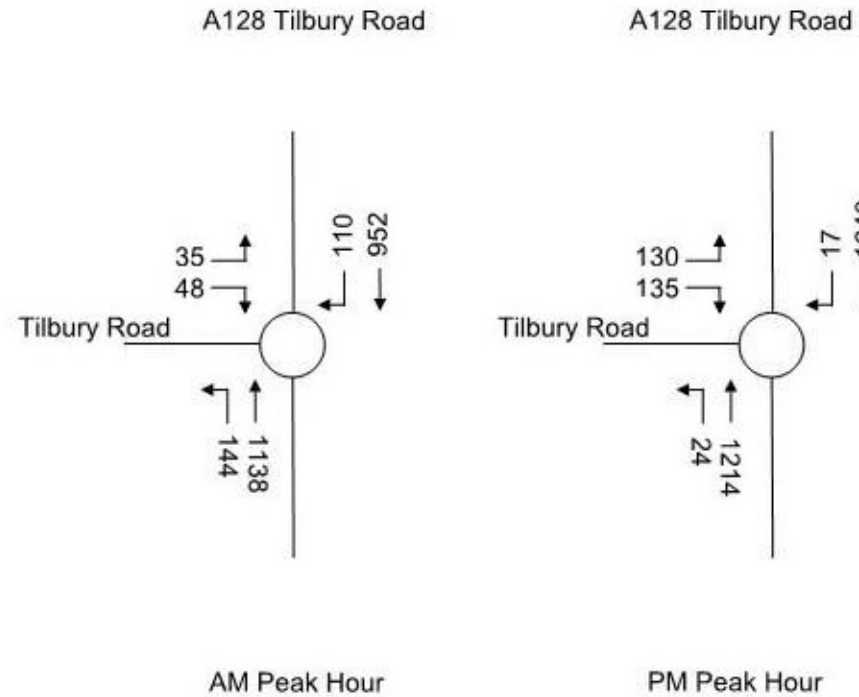
3386 Mixed Use Development, Tilbury Road, East Horndon
Total Traffic Traffic Flows+West Horndon - A128 Tilbury Road / Station Road

FIGURE A322



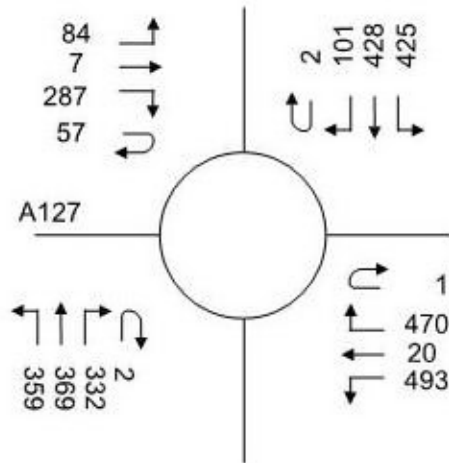
TOTAL TRAFFIC FLOWS
 EXISTING TRAFFIC 2016 GROWTHED TO 2024 + BROADFIELDS + WEST
 HORNDON RESIDENTIAL DEVELOPMENT

FIGURE A305 + FIGURE A319



TOTAL TRAFFIC FLOWS
 EXISTING TRAFFIC 2016 GROWTHED TO 2032 + BROADFIELDS + EHIP
 + WEST HORNDON RESIDENTIAL DEVELOPMENT

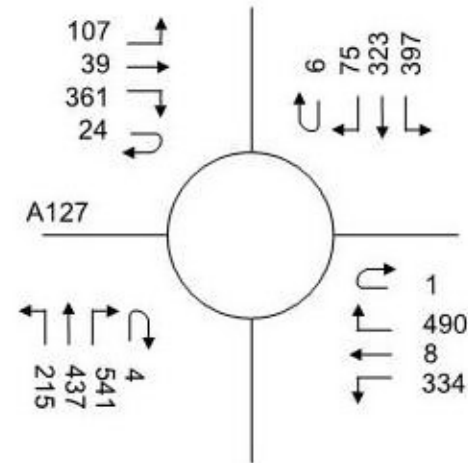
FIGURE A306 + FIGURE A319



A128 Tilbury Road

AM PEAK HOUR - 07:15-08:15 HRS

BASE TRAFFIC TO YEAR 2024+
 BROADFIELDS + EHIP TRAFFIC

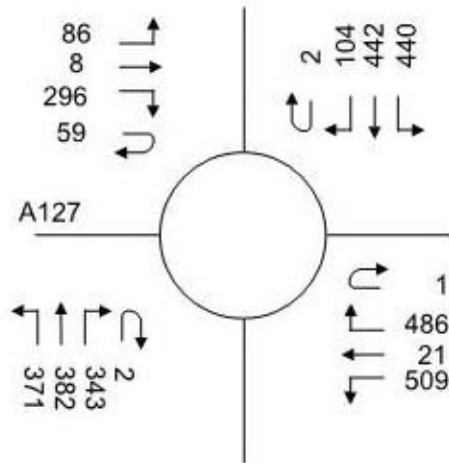


A128 Tilbury Road

PM PEAK HOUR - 16:45-17:45 HRS

BASE TRAFFIC TO YEAR 2024+
 BROADFIELDS + EHIP TRAFFIC

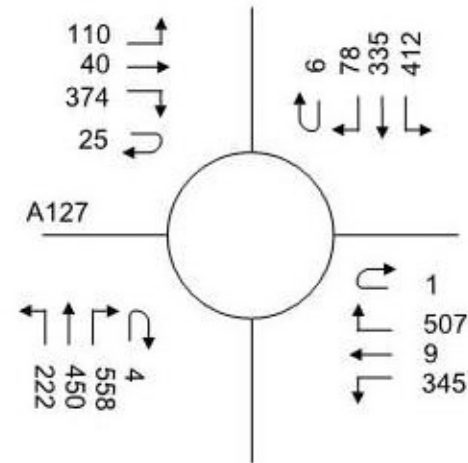
FIGURE A311 + FIGURE A320



A128 Tilbury Road

AM PEAK HOUR - 07:15-08:15 HRS

BASE TRAFFIC TO YEAR 2032
 + BROADFIELDS + EHIP TRAFFIC

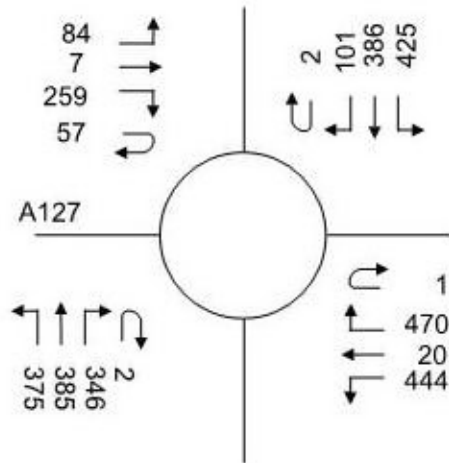


A128 Tilbury Road

PM PEAK HOUR - 16:45-17:45 HRS

BASE TRAFFIC TO YEAR 2032
 + BROADFIELDS + EHIP TRAFFIC

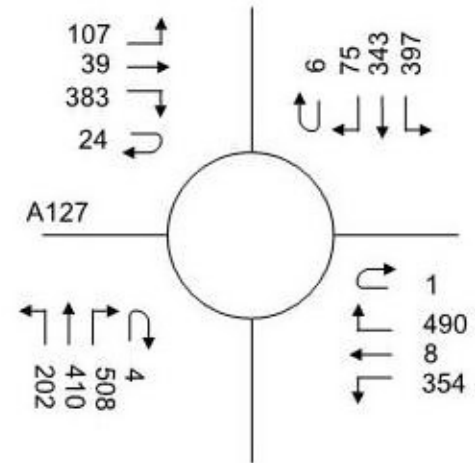
FIGURE A312 + FIGURE A320



A128 Tilbury Road

AM PEAK HOUR - 07:15-08:15 HRS

BASE TRAFFIC TO YEAR 2024
 + DEVELOPMENT + EHIP
 + WEST HORNDON TRAFFIC

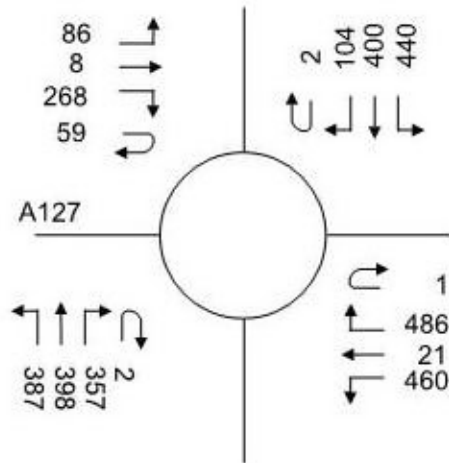


A128 Tilbury Road

PM PEAK HOUR - 16:45-17:45 HRS

BASE TRAFFIC TO YEAR 2024
 + DEVELOPMENT + EHIP
 + WEST HORNDON TRAFFIC

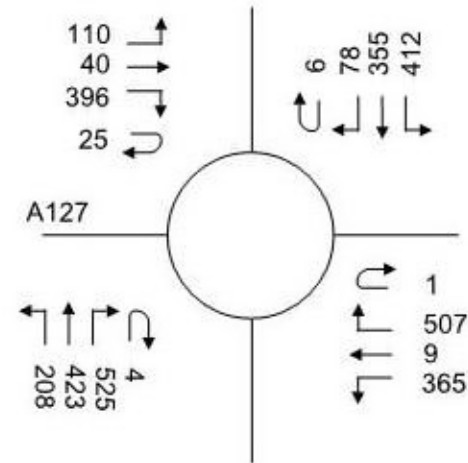
FIGURE A319 + FIGURE A325



A128 Tilbury Road

AM PEAK HOUR - 07:15-08:15 HRS

BASE TRAFFIC TO YEAR 2032
 + BROADFIELDS + EHIP
 + WEST HORNDON TRAFFIC

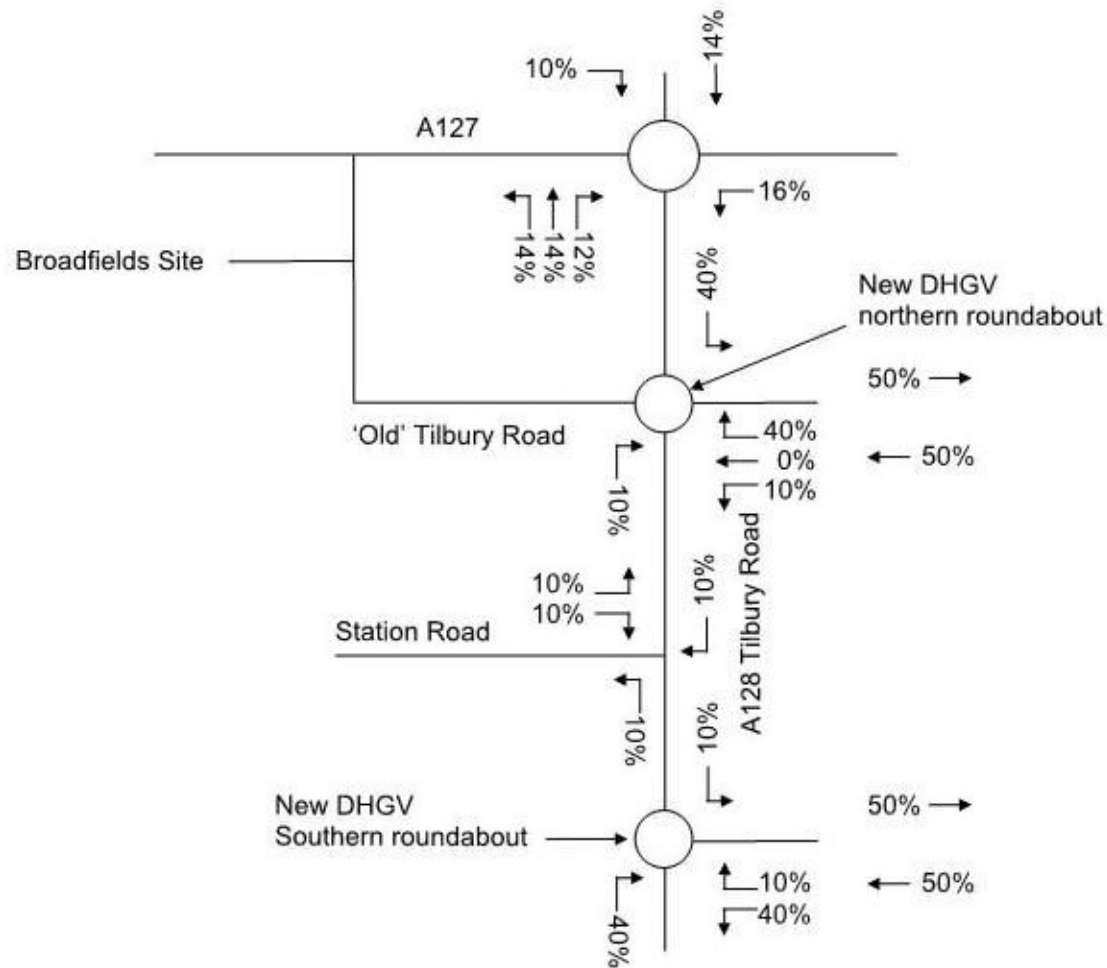


A128 Tilbury Road

PM PEAK HOUR - 16:45-17:45 HRS

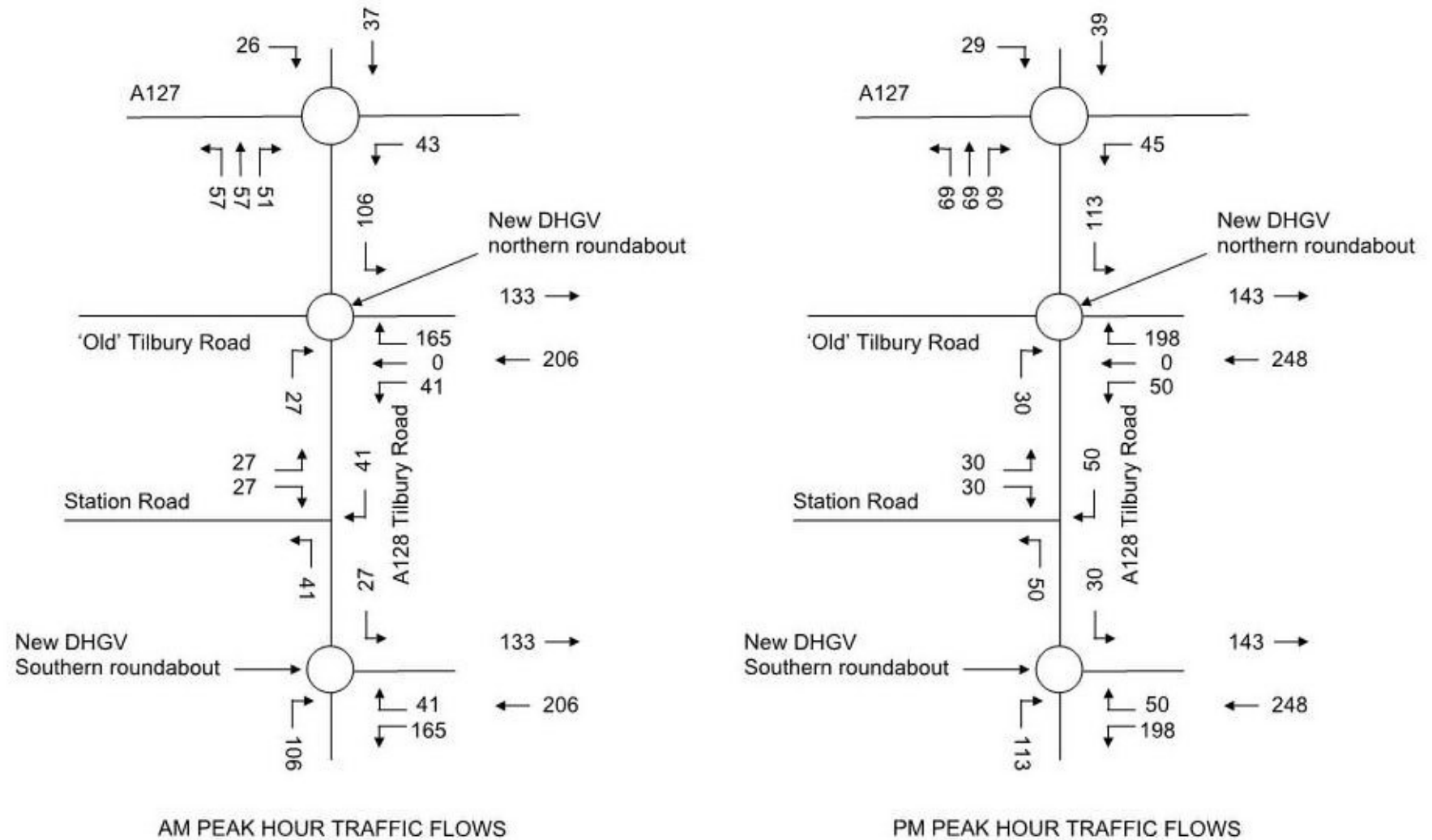
BASE TRAFFIC TO YEAR 2032
 + BROADFIELDS + EHIP
 + WEST HORNDON TRAFFIC

FIGURE A319 + FIGURE A326



3386 Broadfields Mixed Use Development, Tilbury Road, East Horndon
 DHGV Peak Hour Traffic Distribution

FIGURE A329



**3386 Broadfields Mixed Use Development, Tilbury Road, East Horndon
 DHGV Peak Hour Traffic Flows**

FIGURE A330

Junctions 9
ARCADY 9 - Roundabout Module
Version: 9.0.2.5947 © Copyright TRL Limited, 2017
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The users of this computer program for the solution of an engineering problem are in no way relieved of their responsibility for the correctness of the solution

Filename: 3386A705 EHIP roundabout+new Broadfield+EHIP+west horndon .j9

Path: \\STORE-1\Documents\New Projects\3386 Broadfields, East Horndon2 ESSEX-Dan McAllister\Design\Arcady

Report generation date: 25/08/2022 10:50:03

»A128 Tilbury Road / Old Tilbury Road - Proposed roundabout - Year 2024 Broadfields+EHIP+West Horndon Fig A323, AM

»A128 Tilbury Road / Old Tilbury Road - Proposed roundabout - Year 2024 Broadfields+EHIP+West Horndon Fig A323, PM

»A128 Tilbury Road / Old Tilbury Road - Proposed roundabout - Year 2032 Broadfields+EHIP+West Horndon Fig A324, AM

»A128 Tilbury Road / Old Tilbury Road - Proposed roundabout - Year 2032 Broadfields+EHIP+West Horndon Fig A324, PM

Summary of junction performance

	AM					PM				
	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity
A128 Tilbury Road / Old Tilbury Road - Proposed roundabout - Year 2024 Broadfields+EHIP+West Horndon Fig A323										
Arm A	3.9	10.49	0.78	B	20 % [Arm A]	2.8	7.73	0.72	A	15 % [Arm C]
Arm B	0.1	3.92	0.09	A		0.4	5.34	0.30	A	
Arm C	2.1	6.66	0.66	A		4.5	12.51	0.81	B	
A128 Tilbury Road / Old Tilbury Road - Proposed roundabout - Year 2032 Broadfields+EHIP+West Horndon Fig A324										
Arm A	4.3	11.19	0.80	B	17 % [Arm A]	3.1	8.40	0.75	A	12 % [Arm C]
Arm B	0.1	4.02	0.09	A		0.4	5.56	0.30	A	
Arm C	2.3	7.01	0.68	A		5.3	14.18	0.84	B	

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle. Network Residual Capacity indicates the amount by which network flow could be increased before a user-definable threshold (see Analysis Options) is met.

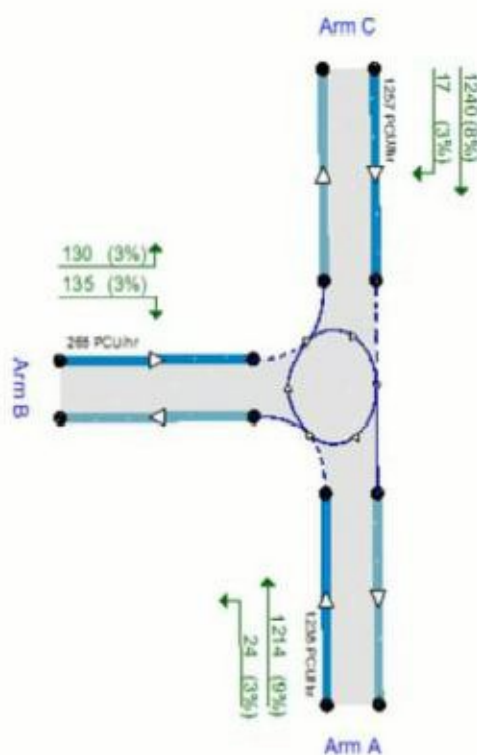
File summary

File Description

Title	East Horndon Industrial Park
Location	A128 Tilbury Road/Old Tilbury Road
Site number	
Date	20/09/2018
Version	
Status	Final Version
Identifier	
Client	MM Properties London Ltd
Jobnumber	3235
Enumerator	PMcL
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	PCU	PCU	perHour	s	-Min	perMin



The junction diagram reflects the last run of Junctions.

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queuing delay	Calculate residual capacity	Residual capacity criteria type	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75			✓	Delay	0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Year 2024 Broadfields+EHIP+West Horndon Fig A323	AM	ONE HOUR	07:45	09:15	15	✓
D2	Year 2024 Broadfields+EHIP+West Horndon Fig A323	PM	ONE HOUR	16:45	18:15	15	✓
D3	Year 2032 Broadfields+EHIP+West Horndon Fig A324	AM	ONE HOUR	07:45	09:15	15	✓
D4	Year 2032 Broadfields+EHIP+West Horndon Fig A324	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

ID	Name	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	A126 Tilbury Road / Old Tilbury Road - Proposed roundabout	✓	100.000	100.000

A128 Tilbury Road / Old Tilbury Road - Proposed roundabout - Year 2024 Broadfields+EHIP+West Horndon Fig A323, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Arm order	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Tilbury Road roundabout	Standard Roundabout	A, B, C	8.59	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	20	Arm A

Arms

Arms

Arm	Name	Description
A	A128 Tilbury Road northbound	
B	Old Tilbury Road	
C	A128 Tilbury Road southbound	

Roundabout Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit only
A	4.30	7.36	11.0	21.2	33.5	23.0	
B	3.85	9.25	19.0	7.6	33.5	35.0	
C	3.90	6.70	10.5	52.0	33.5	18.0	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
A	0.691	1842
B	0.650	1827
C	0.687	1757

The slope and intercept shown above include any corrections and adjustments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Year 2024 Broadfields+EHIP+West Horndon Fig A323	AM	ONE HOUR	07:45	09:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1250	100.000
B		ONE HOUR	✓	83	100.000
C		ONE HOUR	✓	1031	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	144	1106
	B	48	0	35
	C	921	110	0

Proportions

		To		
		A	B	C
From	A	0.00	0.12	0.88
	B	0.58	0.00	0.42
	C	0.89	0.11	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	3	13
	B	3	0	3
	C	9	3	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.030	1.130
	B	1.030	1.000	1.030
	C	1.090	1.030	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	941	941
	B	62	62
	C	776	776
08:00-08:15	A	1124	1124
	B	75	75
	C	927	927
08:15-08:30	A	1376	1376
	B	91	91
	C	1135	1135
08:30-08:45	A	1376	1376
	B	91	91
	C	1135	1135
08:45-09:00	A	1124	1124
	B	75	75
	C	927	927
09:00-09:15	A	941	941
	B	62	62
	C	776	776

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
A	0.78	10.49	3.9	B	1147	1721
B	0.09	3.92	0.1	A	76	114
C	0.66	6.66	2.1	A	946	1419

A128 Tilbury Road / Old Tilbury Road - Proposed roundabout - Year 2024 Broadfields+EHIP+West Horndon Fig A323, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Arm order	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Tilbury Road roundabout	Standard Roundabout	A, B, C	9.67	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	15	Arm C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	Year 2024 Broadfields+EHIP+West Horndon Fig A323	PM	ONE HOUR	16:45	18:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1201	100.000
B		ONE HOUR	✓	264	100.000
C		ONE HOUR	✓	1223	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	24	1177
	B	135	0	129
	C	1206	17	0

Proportions

		To		
		A	B	C
From	A	0.00	0.02	0.98
	B	0.51	0.00	0.49
	C	0.99	0.01	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	3	9
	B	3	0	3
	C	8	3	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.030	1.090
	B	1.030	1.000	1.030
	C	1.060	1.030	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
	A	904	904

16:45-17:00	B	199	199
	C	921	921
17:00-17:15	A	1080	1080
	B	237	237
	C	1099	1099
17:15-17:30	A	1322	1322
	B	291	291
	C	1347	1347
17:30-17:45	A	1322	1322
	B	291	291
	C	1347	1347
17:45-18:00	A	1080	1080
	B	237	237
	C	1099	1099
18:00-18:15	A	904	904
	B	199	199
	C	921	921

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
A	0.72	7.73	2.8	A	1102	1653
B	0.30	5.34	0.4	A	242	363
C	0.81	12.51	4.5	B	1122	1683

A128 Tilbury Road / Old Tilbury Road - Proposed roundabout - Year 2032 Broadfields+EHIP+West Horndon Fig A324, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Arm order	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Tilbury Road roundabout	Standard Roundabout	A, B, C	9.11	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	17	Arm A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	Year 2032 Broadfields+EHIP+West Horndon Fig A324	AM	ONE HOUR	07:45	09:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1282	100.000
B		ONE HOUR	✓	83	100.000
C		ONE HOUR	✓	1062	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	144	1138
	B	48	0	35
	C	952	110	0

Proportions

		To		
		A	B	C
From	A	0.00	0.11	0.89
	B	0.58	0.00	0.42
	C	0.90	0.10	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	3	9
	B	3	0	3
	C	8	3	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.030	1.090
	B	1.030	1.000	1.030
	C	1.080	1.030	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
	A	965	965

07:45-08:00	B	62	62
	C	800	800
08:00-08:15	A	1152	1152
	B	75	75
	C	955	955
08:15-08:30	A	1412	1412
	B	91	91
	C	1169	1169
08:30-08:45	A	1412	1412
	B	91	91
	C	1169	1169
08:45-09:00	A	1152	1152
	B	75	75
	C	955	955
09:00-09:15	A	965	965
	B	62	62
	C	800	800

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
A	0.80	11.19	4.3	B	1176	1765
B	0.09	4.02	0.1	A	76	114
C	0.68	7.01	2.3	A	975	1462

A128 Tilbury Road / Old Tilbury Road - Proposed roundabout - Year 2032 Broadfields+EHIP+West Horndon Fig A324, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Arm order	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Tilbury Road roundabout	Standard Roundabout	A, B, C	10.78	B

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	12	Arm C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	Year 2032 Broadfields+EHIP+West Horndon Fig A324	PM	ONE HOUR	16:45	18:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1238	100.000
B		ONE HOUR	✓	265	100.000
C		ONE HOUR	✓	1257	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	24	1214
	B	135	0	130
	C	1240	17	0

Proportions

		To		
		A	B	C
From	A	0.00	0.02	0.98
	B	0.51	0.00	0.49
	C	0.99	0.01	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	3	9
	B	3	0	3
	C	8	3	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.030	1.090
	B	1.030	1.000	1.030
	C	1.080	1.030	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
	A	932	932

16:45-17:00	B	200	200
	C	946	946
17:00-17:15	A	1113	1113
	B	238	238
	C	1130	1130
17:15-17:30	A	1363	1363
	B	292	292
	C	1384	1384
17:30-17:45	A	1363	1363
	B	292	292
	C	1384	1384
17:45-18:00	A	1113	1113
	B	238	238
	C	1130	1130
18:00-18:15	A	932	932
	B	200	200
	C	946	946

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
A	0.75	8.40	3.1	A	1136	1704
B	0.30	5.56	0.4	A	243	365
C	0.84	14.18	5.3	B	1153	1730

Junctions 9

ARCADY 9 - Roundabout Module

Version: 9.0.2.5947
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Filename: 3386A707 proposed Dunton Hills roundabout+EHIP+west horndon+Broadfield.j9
Path: \\STORE-1\Documents\New Projects\3386 Broadfields, East Horndon2 ESSEX-Dan McAllister\Design\Arcady
Report generation date: 26/08/2022 11:50:59

- »A128 Tilbury Road / Old Tilbury Road junction - Proposed Dunton Hills roundabout - Year 2032+DHGV , AM
- »A128 Tilbury Road / Old Tilbury Road junction - Proposed Dunton Hills roundabout - Year 2032+DHGV, PM

Summary of junction performance

	AM					PM				
	Queue (Veh)	Delay (s)	RFC	LOS	Network Residual Capacity	Queue (Veh)	Delay (s)	RFC	LOS	Network Residual Capacity
A128 Tilbury Road / Old Tilbury Road junction - Proposed Dunton Hills roundabout - Year 2032+DHGV										
Arm 1	13.8	33.56	0.95	D	0 % [Arm 1]	7.1	17.00	0.88	C	5 % [Arm 3]
Arm 2	0.1	5.03	0.11	A		0.6	7.40	0.37	A	
Arm 3	2.6	7.13	0.72	A		9.0	20.74	0.91	C	
Arm 4	0.3	5.23	0.25	A		0.3	5.97	0.21	A	

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle. Network Residual Capacity indicates the amount by which network flow could be increased before a user-definable threshold (see Analysis Options) is met.

File summary

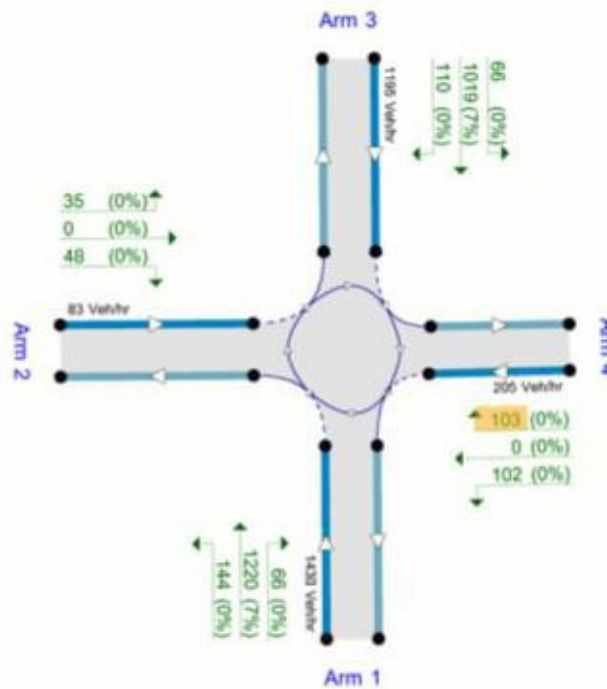
File Description

Title	Broadfields Business Park
Location	A128 Tilbury Road/Old Tilbury Road
Site number	
Date	04/02/2022
Version	
Status	Final Version
Identifier	Dunton Hills roundabout
Client	MM Properties London Ltd
Jobnumber	3386
Enumerator	PMcL

Description	
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Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	Veh	Veh	perHour	s	-Min	perMin



Please also refer to the Junction Diagram.

The junction diagram reflects the last run of Junctions.

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	Residual capacity criteria type	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75			✓	Delay	0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Year 2032+DHGV	AM	ONE HOUR	07:45	09:15	15	✓
D2	Year 2032+DHGV	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

ID	Name	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)

A1	A128 Tilbury Road / Old Tilbury Road junction - Proposed Dunton Hills roundabout	✓	100.000	100.000
----	--	---	---------	---------

A128 Tilbury Road / Old Tilbury Road junction - Proposed Dunton Hills roundabout - Year 2032+DHGV , AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 1 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.

Junction Network

Junctions

Junction	Name	Junction Type	Arm order	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Tilbury Road roundabout	Standard Roundabout	1, 2, 3, 4	19.99	C

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	0	Arm 1

Arms

Arms

Arm	Name	Description
1	A128 Tilbury Road (northern arm)	
2	Dunton Hills site access	
3	A128 Tilbury Road (southern arm)	
4	Old Tilbury Road	

Roundabout Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	l' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit only
1	3.52	7.02	36.2	20.0	65.0	27.8	
2	3.00	7.13	27.3	20.0	65.0	54.8	
3	6.00	7.07	9.9	20.0	65.0	38.2	
4	3.48	7.07	16.1	15.0	65.0	40.2	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
1	0.563	1891
2	0.492	1601
3	0.572	2000
4	0.501	1602

The slope and intercept shown above include any corrections and adjustments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Year 2032+DHGV	AM	ONE HOUR	07:45	09:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	1430	100.000
2		ONE HOUR	✓	83	100.000
3		ONE HOUR	✓	1195	100.000
4		ONE HOUR	✓	205	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1	2	3	4
From	1	0	144	1220	66
	2	48	0	35	0
	3	1019	110	0	66
	4	102	0	103	0

Proportions

		To			
		1	2	3	4
From	1	0.00	0.10	0.85	0.05
	2	0.58	0.00	0.42	0.00
	3	0.85	0.09	0.00	0.06
	4	0.50	0.00	0.50	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To			
		1	2	3	4
From	1	0	0	7	0
	2	0	0	0	0
	3	7	0	0	0
	4	0	0	0	0

Average PCU Per Veh

		To			
		1	2	3	4
From	1	1.000	1.000	1.070	1.000
	2	1.000	1.000	1.000	1.000
	3	1.070	1.000	1.000	1.000
	4	1.000	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (Veh/hr)	Demand in PCU (PCU/hr)
07:45-08:00	1	1077	1141
	2	62	62
	3	900	953
	4	154	154
08:00-08:15	1	1286	1362
	2	75	75
	3	1074	1138
	4	184	184

08:15-08:30	1	1574	1668
	2	91	91
	3	1316	1394
	4	226	226
08:30-08:45	1	1574	1668
	2	91	91
	3	1316	1394
	4	226	226
08:45-09:00	1	1286	1362
	2	75	75
	3	1074	1138
	4	184	184
09:00-09:15	1	1077	1141
	2	62	62
	3	900	953
	4	154	154

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1	0.95	33.56	13.8	D	1312	1968
2	0.11	5.03	0.1	A	76	114
3	0.72	7.13	2.6	A	1097	1645
4	0.25	5.23	0.3	A	188	282

A128 Tilbury Road / Old Tilbury Road junction - Proposed Dunton Hills roundabout - Year 2032+DHGV, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Geometry	Arm 1 - Roundabout Geometry	Effective flare length is over 30m, which is outside the normal range. Treat capacities with increasing caution.

Junction Network

Junctions

Junction	Name	Junction Type	Arm order	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Tilbury Road roundabout	Standard Roundabout	1, 2, 3, 4	17.46	C

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
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Left	Normal/unknown	5	Arm 3
------	----------------	---	-------

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	Year 2032+DHGV	PM	ONE HOUR	16:45	18:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
1		ONE HOUR	✓	1423	100.000
2		ONE HOUR	✓	265	100.000
3		ONE HOUR	✓	1505	100.000
4		ONE HOUR	✓	143	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		1	2	3	4
From	1	0	24	1275	124
	2	135	0	130	0
	3	1364	17	0	124
	4	72	0	71	0

Proportions

		To			
		1	2	3	4
From	1	0.00	0.02	0.90	0.09
	2	0.51	0.00	0.49	0.00
	3	0.91	0.01	0.00	0.08
	4	0.50	0.00	0.50	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To			
		1	2	3	4
From	1	0	0	4	0
	2	0	0	0	0
	3	1	0	0	0
	4	0	0	0	0

Average PCU Per Veh

		To			
		1	2	3	4
From	1	1.000	1.000	1.040	1.000
	2	1.000	1.000	1.000	1.000
	3	1.010	1.000	1.000	1.000
	4	1.000	1.000	1.000	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (Veh/hr)	Demand in PCU (PCU/hr)
16:45-17:00	1	1071	1110
	2	200	200
	3	1133	1143
	4	108	108
17:00-17:15	1	1279	1325

	2	238	238
	3	1353	1365
	4	129	129
17:15-17:30	1	1567	1623
	2	292	292
	3	1657	1672
	4	157	157
17:30-17:45	1	1567	1623
	2	292	292
	3	1657	1672
	4	157	157
17:45-18:00	1	1279	1325
	2	238	238
	3	1353	1365
	4	129	129
18:00-18:15	1	1071	1110
	2	200	200
	3	1133	1143
	4	108	108

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
1	0.88	17.00	7.1	C	1306	1959
2	0.37	7.40	0.6	A	243	365
3	0.91	20.74	9.0	C	1381	2072
4	0.21	5.97	0.3	A	131	197

Junctions 9

ARCADY 9 - Roundabout Module

Version: 9.0.2.5947
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Filename: 3386A706 A127 roundabout+EHIP+west horndon+new Broadfield.j9

Path: \\STORE-1\Documents\New Projects\3386 Broadfields, East Horndon2 ESSEX-Dan McAllister\Design\Arcady

Report generation date: 25/08/2022 17:03:40

»A127 Southend Arterial/A128 Tilbury Road Grade Separated Junction - Year 2024 Broadfields+EHIP+west horndon A327, AM

»A127 Southend Arterial/A128 Tilbury Road Grade Separated Junction - Year 2024 Broadfields+EHIP+west horndon A327, PM

»A127 Southend Arterial/A128 Tilbury Road Grade Separated Junction - Year 2032 Broadfields+EHIP+west horndon A328, AM

»A127 Southend Arterial/A128 Tilbury Road Grade Separated Junction - Year 2032 Broadfields+EHIP+west horndon A328, PM

Summary of junction performance

	AM					PM				
	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity
A127 Southend Arterial/A128 Tilbury Road Grade Separated Junction - Year 2024 Broadfields+EHIP+west horndon A327										
Arm A	1.0	3.51	0.49	A	17 % [Arm B]	1.1	4.24	0.51	A	21 % [Arm D]
Arm B	2.6	9.40	0.72	A		2.0	7.89	0.67	A	
Arm C	1.7	4.91	0.60	A		1.5	4.50	0.60	A	
Arm D	0.6	4.85	0.35	A		1.3	7.78	0.55	A	
A127 Southend Arterial/A128 Tilbury Road Grade Separated Junction - Year 2032 Broadfields+EHIP+west horndon A328										
Arm A	1.1	3.71	0.51	A	13 % [Arm B]	1.2	4.59	0.54	A	17 % [Arm B]
Arm B	3.2	11.15	0.76	B		2.4	9.05	0.71	A	
Arm C	1.8	5.32	0.63	A		1.7	4.86	0.62	A	
Arm D	0.7	5.16	0.37	A		1.5	8.89	0.60	A	

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle. Network Residual Capacity indicates the amount by which network flow could be increased before a user-definable threshold (see Analysis Options) is met.

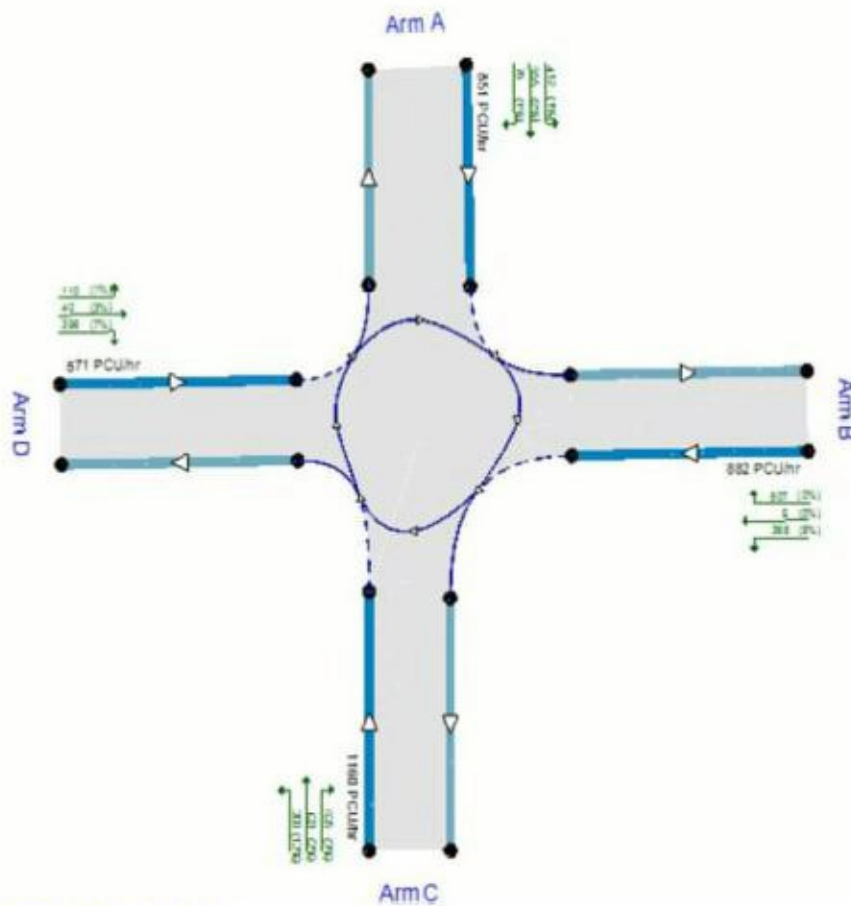
File summary

File Description

Title	East Horndon Industrial Park
Location	A127 Southend Arterial Road/A128 Tilbury Road
Site number	
Date	20/09/2018
Version	
Status	Final Version
Identifier	
Client	MM Properties London Ltd
Jobnumber	3235
Enumerator	PMcL
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	PCU	PCU	per/hour	s	-Min	per/Min



The junction diagram reflects the last run of Junctions.

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queuing delay	Calculate residual capacity	Residual capacity criteria type	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75			✓	Delay	0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Year 2024 Broadfields+EHIP+west hamdon A327	AM	ONE HOUR	07:00	08:30	15	✓
D2	Year 2024 Broadfields+EHIP+west hamdon A327	PM	ONE HOUR	16:30	18:00	15	✓
D3	Year 2032 Broadfields+EHIP+west hamdon A328	AM	ONE HOUR	07:00	08:30	15	✓
D4	Year 2032 Broadfields+EHIP+west hamdon A328	PM	ONE HOUR	16:30	18:00	15	✓

Analysis Set Details

ID	Name	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	A127 Southend Arterial/A128 Tibury Road Grade Separated Junction	✓	100.000	100.000

A127 Southend Arterial/A128 Tilbury Road Grade Separated Junction - Year 2024

Broadfields+EHIP+west horndon A327, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Arm order	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/A127 Tilbury Road roundabout	Large Roundabout	A, B, C, D	5.77	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	17	Arm B

Arms

Arms

Arm	Name	Description
A	Brentwood Road	
B	A127 east approach	
C	A128 Tilbury Road	
D	A127 west approach	

Roundabout Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	l' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit only
A	6.20	6.20	0.0	999.0	124.0	8.0	
B	5.50	5.50	0.0	999.0	124.0	8.0	
C	6.30	6.30	0.0	46.0	124.0	28.0	
D	6.60	6.60	0.0	999.0	124.0	11.0	

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Entry-to-exit separation (m)
A	1132	0.00
B	920	143.00
C	899	0.00
D	1731	160.00

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
A	0.903	2719
B	0.887	2220
C	0.920	2682
D	0.802	2350

The slope and intercept shown above include any corrections and adjustments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Year 2024 Broadfields+EHIP+west horndon A327	AM	ONE HOUR	07:00	08:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	914	100.000
B		ONE HOUR	✓	935	100.000
C		ONE HOUR	✓	1108	100.000
D		ONE HOUR	✓	407	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	2	425	386	101
	B	470	1	444	20
	C	385	346	2	375
	D	84	7	259	57

Proportions

		To			
		A	B	C	D
From	A	0.00	0.46	0.42	0.11
	B	0.50	0.00	0.47	0.02
	C	0.35	0.31	0.00	0.34
	D	0.21	0.02	0.64	0.14

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A	B	C	D
From	A	0	1	2	4
	B	3	0	8	0
	C	5	9	0	15
	D	7	0	11	36

Average PCU Per Veh

		To			
		A	B	C	D
From	A	1.000	1.010	1.020	1.040
	B	1.030	1.000	1.080	1.000
	C	1.050	1.090	1.000	1.150
	D	1.070	1.000	1.110	1.360

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:00-07:15	A	688	688
	B	704	704
	C	834	834
	D	306	306
07:15-07:30	A	822	822
	B	841	841
	C	996	996
	D	366	366
07:30-07:45	A	1006	1006
	B	1029	1029
	C	1220	1220
	D	448	448
07:45-08:00	A	1006	1006
	B	1029	1029
	C	1220	1220
	D	448	448
08:00-08:15	A	822	822
	B	841	841
	C	996	996
	D	366	366
08:15-08:30	A	688	688
	B	704	704
	C	834	834
	D	306	306

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
A	0.49	3.51	1.0	A	839	1258

B	0.72	9.40	2.6	A	858	1287
C	0.60	4.91	1.7	A	1017	1525
D	0.35	4.85	0.6	A	373	560

A127 Southend Arterial/A128 Tilbury Road Grade Separated Junction - Year 2024

Broadfields+EHIP+west horndon A327, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Arm order	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/A127 Tilbury Road roundabout	Large Roundabout	A, B, C, D	5.84	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	21	Arm D

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Entry-to-exit separation (m)
A	1132	0.00
B	920	143.00
C	699	0.00
D	1731	160.00

Slope / Intercept / Capacity

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	Year 2024 Broadfields+EHIP+west horndon A327	PM	ONE HOUR	16:30	18:00	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	821	100.000
B		ONE HOUR	✓	853	100.000
C		ONE HOUR	✓	1124	100.000
D		ONE HOUR	✓	553	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	D

Proportions

	To			
	A	B	C	D

From	A	6	397	343	75
	B	490	1	354	8
	C	410	508	4	202
	D	107	39	383	24

From	A	0.01	0.48	0.42	0.09
	B	0.57	0.00	0.42	0.01
	C	0.36	0.45	0.00	0.18
	D	0.19	0.07	0.69	0.04

Vehicle Mix

Heavy Vehicle Percentages

From	To				
		A	B	C	D
	A	20	1	2	1
	B	0	0	5	0
	C	2	3	0	12
D	1	3	7	11	

Average PCU Per Veh

From	To				
		A	B	C	D
	A	1.200	1.010	1.020	1.010
	B	1.000	1.000	1.050	1.000
	C	1.020	1.030	1.000	1.120
D	1.010	1.030	1.070	1.110	

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:30-16:45	A	618	618
	B	642	642
	C	846	846
	D	416	416
16:45-17:00	A	738	738
	B	767	767
	C	1010	1010
	D	497	497
17:00-17:15	A	904	904
	B	939	939
	C	1238	1238
	D	609	609
17:15-17:30	A	904	904
	B	939	939
	C	1238	1238
	D	609	609
17:30-17:45	A	738	738
	B	767	767
	C	1010	1010
	D	497	497
17:45-18:00	A	618	618
	B	642	642
	C	846	846
	D	416	416

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
A	0.51	4.24	1.1	A	753	1130
B	0.67	7.89	2.0	A	783	1174
C	0.60	4.50	1.5	A	1031	1547
D	0.55	7.78	1.3	A	507	761

A127 Southend Arterial/A128 Tilbury Road Grade Separated Junction - Year 2032

Broadfields+EHIP+west horndon A328, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Arm order	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/A127 Tilbury Road roundabout	Large Roundabout	A, B, C, D	6.48	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	13	Arm B

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Entry-to-exit separation (m)
A	1132	0.00
B	920	143.00
C	699	0.00
D	1731	160.00

Slope / Intercept / Capacity

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	Year 2032 Broadfields+EHIP+west horndon A328	AM	ONE HOUR	07:00	08:30	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	946	100.000
B		ONE HOUR	✓	968	100.000
C		ONE HOUR	✓	1144	100.000
D		ONE HOUR	✓	421	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	D

Proportions

	To			
	A	B	C	D

From	A	2	440	400	104
	B	486	1	460	21
	C	398	357	2	387
	D	86	8	268	59

From	A	0.00	0.47	0.42	0.11
	B	0.50	0.00	0.48	0.02
	C	0.35	0.31	0.00	0.34
	D	0.20	0.02	0.64	0.14

Vehicle Mix

Heavy Vehicle Percentages

From	To				
		A	B	C	D
	A	0	1	2	4
	B	3	0	8	0
	C	5	9	0	15
D	7	0	11	36	

Average PCU Per Veh

From	To				
		A	B	C	D
	A	1.000	1.010	1.020	1.040
	B	1.030	1.000	1.080	1.000
	C	1.050	1.090	1.000	1.150
D	1.070	1.000	1.110	1.360	

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:00-07:15	A	712	712
	B	729	729
	C	861	861
	D	317	317
07:15-07:30	A	850	850
	B	870	870
	C	1028	1028
	D	378	378
07:30-07:45	A	1042	1042
	B	1066	1066
	C	1260	1260
	D	464	464
07:45-08:00	A	1042	1042
	B	1066	1066
	C	1260	1260
	D	464	464
08:00-08:15	A	850	850
	B	870	870
	C	1028	1028
	D	378	378
08:15-08:30	A	712	712
	B	729	729
	C	861	861
	D	317	317

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
A	0.51	3.71	1.1	A	868	1302
B	0.76	11.15	3.2	B	888	1332
C	0.63	5.32	1.8	A	1050	1575
D	0.37	5.16	0.7	A	386	579

A127 Southend Arterial/A128 Tilbury Road Grade Separated Junction - Year 2032

Broadfields+EHIP+west horndon A328, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Arm order	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/A127 Tilbury Road roundabout	Large Roundabout	A, B, C, D	6.53	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	17	Arm B

Arms

Arms

[same as above]

Roundabout Geometry

[same as above]

Large Roundabout Data

Arm	Circulating flow (PCU/hr)	Entry-to-exit separation (m)
A	1132	0.00
B	920	143.00
C	699	0.00
D	1731	160.00

Slope / Intercept / Capacity

[same as above]

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	Year 2032 Broadfields+EHIP+west horndon A328	PM	ONE HOUR	16:30	18:00	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	851	100.000
B		ONE HOUR	✓	882	100.000
C		ONE HOUR	✓	1160	100.000
D		ONE HOUR	✓	571	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	D

Proportions

	To			
	A	B	C	D

From	A	6	412	355	78
	B	507	1	365	9
	C	423	525	4	208
	D	110	40	396	25

From	A	0.01	0.48	0.42	0.09
	B	0.57	0.00	0.41	0.01
	C	0.36	0.45	0.00	0.18
	D	0.19	0.07	0.69	0.04

Vehicle Mix

Heavy Vehicle Percentages

From	To				
		A	B	C	D
	A	20	1	2	1
	B	0	0	5	0
	C	2	3	0	12
D	1	3	7	11	

Average PCU Per Veh

From	To				
		A	B	C	D
	A	1.200	1.010	1.020	1.010
	B	1.000	1.000	1.050	1.000
	C	1.020	1.030	1.000	1.120
D	1.010	1.030	1.070	1.110	

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:30-16:45	A	641	641
	B	664	664
	C	873	873
	D	430	430
16:45-17:00	A	765	765
	B	793	793
	C	1043	1043
	D	513	513
17:00-17:15	A	937	937
	B	971	971
	C	1277	1277
	D	629	629
17:15-17:30	A	937	937
	B	971	971
	C	1277	1277
	D	629	629
17:30-17:45	A	765	765
	B	793	793
	C	1043	1043
	D	513	513
17:45-18:00	A	641	641
	B	664	664
	C	873	873
	D	430	430

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
A	0.54	4.59	1.2	A	781	1171
B	0.71	9.05	2.4	A	809	1214
C	0.62	4.86	1.7	A	1064	1597
D	0.60	8.89	1.5	A	524	786

Junctions 9
PICADY 9 - Priority Intersection Module
Version: 9.0.2.5947 © Copyright TRL Limited, 2017
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Filename: Station Road verges cleared and junction widened to 2 lanes .j9

Path: \\STORE-1\Documents\New Projects\3386 Broadfields, East Horndon2 ESSEX-Dan McAllister\Design\Picady

Report generation date: 24/09/2021 13:05:21

- »Improved layout - Year 2023 with development+EHIP A221, AM
- »Improved layout - Year 2023 with development+EHIP A221, PM
- »Improved layout - Year 2031 with development+EHIP A221, AM
- »Improved layout - Year 2031 with development+EHIP A221, PM
- »Improved layout - Year 2023 with development+EHIP+west horndon A222, AM
- »Improved layout - Year 2023 with development+EHIP+west horndon A222, PM
- »Improved layout - Year 2031 with development+EHIP+west horndon A222, AM
- »Improved layout - Year 2031 with development+EHIP+west horndon A222, PM

Summary of junction performance

	AM							PM						
	Queue (PCU)	Delay (s)	RFC	LOS	Junction Delay (s)	Junction LOS	Network Residual Capacity	Queue (PCU)	Delay (s)	RFC	LOS	Junction Delay (s)	Junction LOS	Network Residual Capacity
Improved layout - Year 2023 with development+EHIP A221														
Stream B-C	10.9	166.24	1.07	F	25.79	D	-16 %	32.5	305.76	1.21	F	54.85	F	-17 %
Stream B-A	5.8	253.95	0.98	F				12.3	357.32	1.17	F			
Stream C-AB	2.5	29.95	0.72	D				1.3	17.84	0.56	C			
Improved layout - Year 2031 with development+EHIP A221														
Stream B-C	29.7	403.34	1.36	F	53.19	F	-19 %	59.8	563.56	1.51	F	97.72	F	-20 %
Stream B-A	12.5	467.93	1.31	F				21.5	605.29	1.47	F			
Stream C-AB	3.0	35.48	0.76	E				1.5	19.39	0.59	C			
Improved layout - Year 2023 with development+EHIP+west horndon A222														
Stream B-C	1.1	15.90	0.52	C	4.18	A	-4 %	1.1	15.79	0.52	C	7.14	A	-12 %
Stream B-A	0.9	44.42	0.45	E				1.5	135.26	0.64	F			
Stream C-AB	0.6	12.30	0.37	B				2.4	25.62	0.70	D			
Improved layout - Year 2031 with development+EHIP+west horndon A222														
Stream B-C	1.3	18.00	0.56	C	4.89	A	-7 %	13.1	143.86	1.12	F	23.05	C	-15 %
Stream B-A	1.1	57.32	0.52	F				3.9	291.83	0.96	F			
Stream C-AB	0.7	13.19	0.40	B				2.7	28.80	0.73	D			

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle. Junction LOS and Junction Delay are demand-weighted averages. Network Residual Capacity indicates the amount by which network flow could be increased before a user-definable threshold (see Analysis Options) is met.

File summary

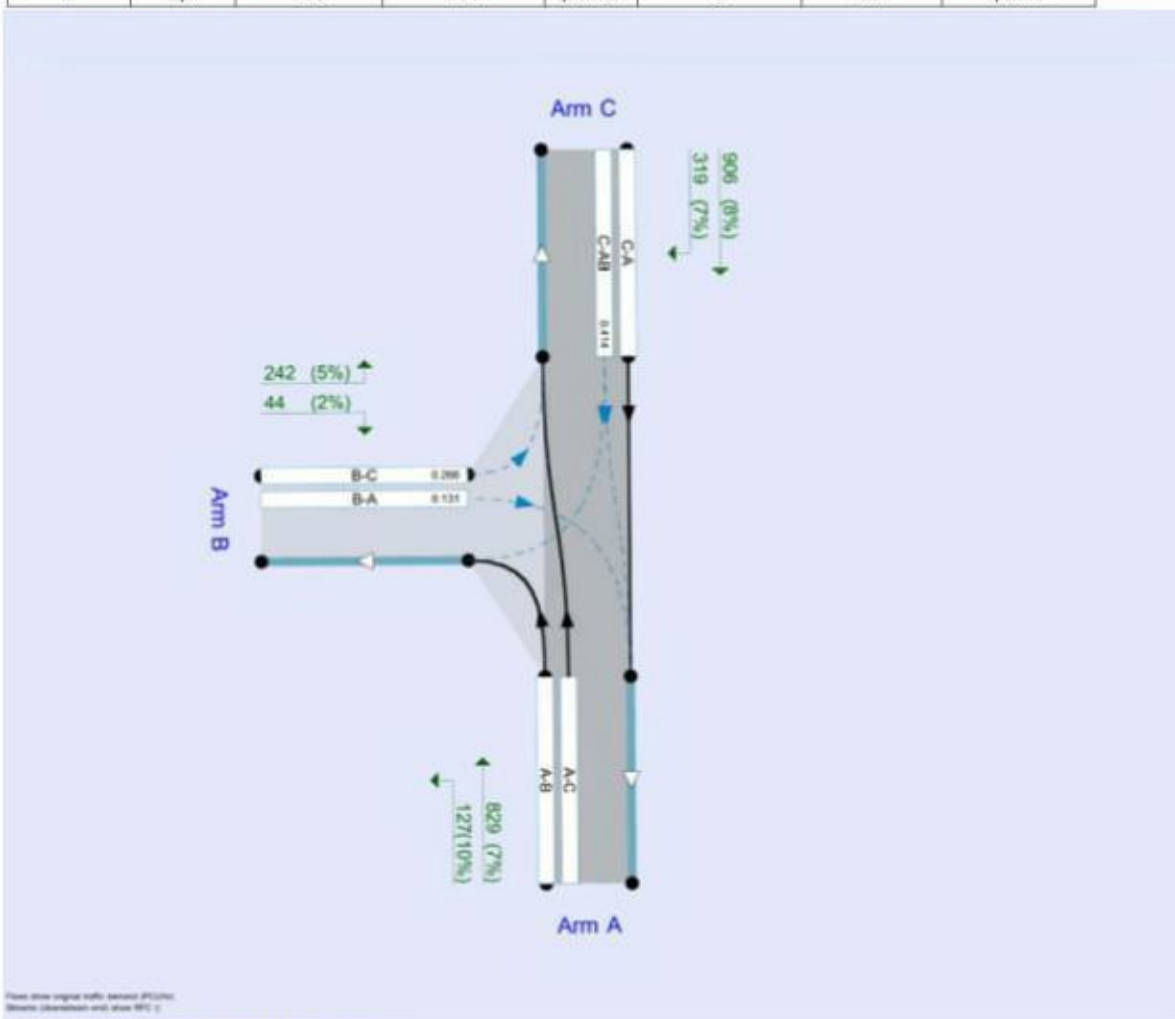
File Description

Title	East Horndon Industrial Estate
Location	A128 Tilbury Road/Tilbury Road Junction
Site number	
Date	20/09/2018
Version	
Status	Final Version
Identifier	
Client	MM Developments London ILtd
Jobnumber	3235
Enumerator	PMcL
Description	

Units

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	mph	PCU	PCU	perHour	s	-Min	perMin



Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queuing delay	Calculate residual capacity	Residual capacity criteria type	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75			✓	Delay	0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Year 2023 with development+EHIP A221	AM	AM Peak Hour	ONE HOUR	07:45	09:15	15	✓
D2	Year 2023 with development+EHIP A221	PM	PM Peak Hour	ONE HOUR	16:45	18:15	15	✓
D3	Year 2031 with development+EHIP A221	AM	AM Peak Hour	ONE HOUR	07:45	09:15	15	✓
D4	Year 2031 with development+EHIP A221	PM	PM Peak Hour	ONE HOUR	16:45	18:15	15	✓
D5	Year 2023 with development+EHIP+west horndon A222	AM	AM Peak Hour	ONE HOUR	07:45	09:15	15	✓
D6	Year 2023 with development+EHIP+west horndon A222	PM	PM Peak Hour	ONE HOUR	16:45	18:15	15	✓
D7	Year 2031 with development+EHIP+west horndon A222	AM	AM Peak Hour	ONE HOUR	07:45	09:15	15	✓
D8	Year 2031 with development+EHIP+west horndon A222	PM	PM Peak Hour	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

ID	Name	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	Improved layout	✓	100.000	100.000

Improved layout - Year 2023 with development+EHIP A221, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Station Road	T-Junction	Two-way	25.79	D

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-16	Stream B-A

Arms

Arms

Arm	Name	Description	Arm type
A	A128 Tilbury Road northbound		Major
B	Station Road		Minor
C	A128 Tilbury Road southbound		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	7.10		✓	3.10	250.0	✓	21.00

Geometries for Arm C are measured opposite Arm B. Geometries for Arm A (if relevant) are measured opposite Arm D.

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B	One lane plus flare	10.00	9.62	7.01	6.37	5.90		7.00	250	250

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	698	0.121	0.306	0.193	0.437
1	B-C	919	0.134	0.339	-	-
1	C-B	789	0.291	0.291	-	-

The slopes and intercepts shown above do NOT include any corrections or adjustments.

Streams may be combined, in which case capacity will be adjusted.

Values are shown for the first time segment only; they may differ for subsequent time segments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	Year 2023 with development+EHIP A221	AM	AM Peak Hour	ONE HOUR	07:45	09:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1123	100.000
B		ONE HOUR	✓	269	100.000
C		ONE HOUR	✓	925	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	200	923
	B	76	0	193
	C	646	279	0

Proportions

		To		
		A	B	C
From	A	0.00	0.18	0.82
	B	0.28	0.00	0.72
	C	0.70	0.90	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	1	14
	B	12	0	8
	C	11	3	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.010	1.140
	B	1.120	1.000	1.080
	C	1.110	1.030	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	845	845
	B	203	203
	C	696	696
08:00-08:15	A	1010	1010
	B	242	242
	C	832	832
08:15-08:30	A	1236	1236
	B	296	296
	C	1018	1018
08:30-08:45	A	1236	1236
	B	296	296
	C	1018	1018
08:45-09:00	A	1010	1010
	B	242	242
	C	832	832
09:00-09:15	A	845	845
	B	203	203
	C	696	696

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.07	166.24	10.9	F	177	266
B-A	0.98	253.95	5.8	F	70	105
C-AB	0.72	29.95	2.5	D	256	384
C-A					593	889
A-B					184	275
A-C					847	1270

Improved layout - Year 2023 with development+EHIP A221, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Station Road	T-Junction	Two-way	54.85	F

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-17	Stream B-A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	Year 2023 with development+EHIP A221	PM	PM Peak Hour	ONE HOUR	16.45	18.15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	931	100.000
B		ONE HOUR	✓	411	100.000
C		ONE HOUR	✓	1130	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	128	803
	B	106	0	305
	C	880	250	0

Proportions

		To		
		A	B	C
From	A	0.00	0.14	0.86
	B	0.26	0.00	0.74
	C	0.78	0.22	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	10	7
	B	2	0	5
	C	8	7	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.100	1.070
	B	1.020	1.000	1.050
	C	1.080	1.070	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	701	701
	B	309	309

	C	851	851
17:00-17:15	A	837	837
	B	369	369
	C	1016	1016
17:15-17:30	A	1025	1025
	B	453	453
	C	1244	1244
17:30-17:45	A	1025	1025
	B	453	453
	C	1244	1244
17:45-18:00	A	837	837
	B	369	369
	C	1016	1016
18:00-18:15	A	701	701
	B	309	309
	C	851	851

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.21	305.76	32.5	F	280	420
B-A	1.17	357.32	12.3	F	97	146
C-AB	0.56	17.84	1.3	C	229	344
C-A					808	1211
A-B					117	176
A-C					737	1105

Improved layout - Year 2031 with development+EHIP A221, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Station Road	T-Junction	Two-way	53.19	F

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-19	Stream B-A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	Year 2031 with development+EHIP A221	AM	AM Peak Hour	ONE HOUR	07:45	09:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1156	100.000
B		ONE HOUR	✓	277	100.000
C		ONE HOUR	✓	955	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	206	950
	B	78	0	199
	C	667	288	0

Proportions

		To		
		A	B	C
From	A	0.00	0.18	0.82
	B	0.28	0.00	0.72
	C	0.70	0.30	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	1	14
	B	12	0	8
	C	11	3	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.010	1.140
	B	1.120	1.000	1.080
	C	1.110	1.030	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	870	870
	B	209	209

	C	719	719
08:00-08:15	A	1039	1039
	B	249	249
	C	859	859
08:15-08:30	A	1273	1273
	B	305	305
	C	1051	1051
08:30-08:45	A	1273	1273
	B	305	305
	C	1051	1051
08:45-09:00	A	1039	1039
	B	249	249
	C	859	859
09:00-09:15	A	870	870
	B	209	209
	C	719	719

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.36	403.34	29.7	F	183	274
B-A	1.31	467.93	12.5	F	72	107
C-AB	0.76	35.48	3.0	E	265	397
C-A					611	917
A-B					189	284
A-C					872	1308

Improved layout - Year 2031 with development+EHIP A221, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Station Road	T-Junction	Two-way	97.72	F

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-20	Stream B-A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	Year 2031 with development+EHIP A221	PM	PM Peak Hour	ONE HOUR	16.45	18.15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	961	100.000
B		ONE HOUR	✓	425	100.000
C		ONE HOUR	✓	1163	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	132	829
	B	110	0	315
	C	906	257	0

Proportions

		To		
		A	B	C
From	A	0.00	0.14	0.86
	B	0.26	0.00	0.74
	C	0.78	0.22	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	10	7
	B	2	0	5
	C	8	7	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.100	1.070
	B	1.020	1.000	1.050
	C	1.080	1.070	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	723	723
	B	320	320

	C	876	876
17:00-17:15	A	864	864
	B	382	382
	C	1046	1046
17:15-17:30	A	1058	1058
	B	468	468
	C	1280	1280
17:30-17:45	A	1058	1058
	B	468	468
	C	1280	1280
17:45-18:00	A	864	864
	B	382	382
	C	1046	1046
18:00-18:15	A	723	723
	B	320	320
	C	876	876

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.51	563.56	59.8	F	289	434
B-A	1.47	605.29	21.5	F	101	151
C-AB	0.59	19.39	1.5	C	236	354
C-A					631	1247
A-B					121	182
A-C					761	1141

Improved layout - Year 2023 with development+EHIP+west horndon A222, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Station Road	T-Junction	Two-way	4.18	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-4	Stream B-A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	Year 2023 with development+EHIP+west horndon A222	AM	AM Peak Hour	ONE HOUR	07:45	09:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	972	100.000
B		ONE HOUR	✓	305	100.000
C		ONE HOUR	✓	806	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	49	923
	B	66	0	239
	C	646	160	0

Proportions

		To		
		A	B	C
From	A	0.00	0.05	0.95
	B	0.22	0.00	0.78
	C	0.80	0.20	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	1	14
	B	12	0	8
	C	11	3	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.010	1.140
	B	1.120	1.000	1.080
	C	1.110	1.030	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	732	732

	B	230	230
	C	607	607
08:00-08:15	A	874	874
	B	274	274
	C	725	725
08:15-08:30	A	1070	1070
	B	336	336
	C	887	887
08:30-08:45	A	1070	1070
	B	336	336
	C	887	887
08:45-09:00	A	874	874
	B	274	274
	C	725	725
09:00-09:15	A	732	732
	B	230	230
	C	607	607

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.52	15.90	1.1	C	219	329
B-A	0.45	44.42	0.9	E	61	91
C-AB	0.37	12.30	0.6	B	147	220
C-A					593	889
A-B					45	67
A-C					847	1270

Improved layout - Year 2023 with development+EHIP+west horndon A222, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Station Road	T-Junction	Two-way	7.14	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-12	Stream B-A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	Year 2023 with development+EHIP+west horndon A222	PM	PM Peak Hour	ONE HOUR	16:45	18:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	926	100.000
B		ONE HOUR	✓	272	100.000
C		ONE HOUR	✓	1192	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	123	803
	B	40	0	232
	C	880	312	0

Proportions

		To		
		A	B	C
From	A	0.00	0.13	0.87
	B	0.15	0.00	0.85
	C	0.74	0.26	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	10	7
	B	2	0	5
	C	8	7	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.100	1.070
	B	1.020	1.000	1.050
	C	1.080	1.070	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	697	697

	B	205	205
	C	897	897
17:00-17:15	A	832	832
	B	245	245
	C	1072	1072
17:15-17:30	A	1020	1020
	B	299	299
	C	1312	1312
17:30-17:45	A	1020	1020
	B	299	299
	C	1312	1312
17:45-18:00	A	832	832
	B	245	245
	C	1072	1072
18:00-18:15	A	697	697
	B	205	205
	C	897	897

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.52	15.79	1.1	C	213	319
B-A	0.64	135.26	1.5	F	37	55
C-AB	0.70	25.62	2.4	D	286	430
C-A					807	1211
A-B					113	169
A-C					737	1105

Improved layout - Year 2031 with development+EHIP+west horndon A222, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Station Road	T-Junction	Two-way	4.89	A

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-7	Stream B-A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	Year 2031 with development+EHIP+west horndon A222	AM	AM Peak Hour	ONE HOUR	07:45	09:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1005	100.000
B		ONE HOUR	✓	313	100.000
C		ONE HOUR	✓	836	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	55	950
	B	68	0	245
	C	667	169	0

Proportions

		To		
		A	B	C
From	A	0.00	0.05	0.95
	B	0.22	0.00	0.78
	C	0.80	0.20	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	1	14
	B	12	0	8
	C	11	3	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.010	1.140
	B	1.120	1.000	1.080
	C	1.110	1.030	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	757	757

	B	236	236
	C	629	629
08:00-08:15	A	903	903
	B	281	281
	C	752	752
08:15-08:30	A	1107	1107
	B	345	345
	C	920	920
08:30-08:45	A	1107	1107
	B	345	345
	C	920	920
08:45-09:00	A	903	903
	B	281	281
	C	752	752
09:00-09:15	A	757	757
	B	236	236
	C	629	629

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.56	18.00	1.3	C	225	337
B-A	0.52	57.32	1.1	F	62	94
C-AB	0.40	13.19	0.7	B	155	233
C-A					612	918
A-B					50	76
A-C					872	1308

Improved layout - Year 2031 with development+EHIP+west horndon A222, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	A128 Tilbury Road/Station Road	T-Junction	Two-way	23.05	C

Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	-15	Stream B-A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	Year 2031 with development+EHIP+west horndon A222	PM	PM Peak Hour	ONE HOUR	16:45	18:15	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	956	100.000
B		ONE HOUR	✓	286	100.000
C		ONE HOUR	✓	1225	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	127	829
	B	44	0	242
	C	906	319	0

Proportions

		To		
		A	B	C
From	A	0.00	0.13	0.87
	B	0.15	0.00	0.85
	C	0.74	0.26	0.00

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	10	7
	B	2	0	5
	C	8	7	0

Average PCU Per Veh

		To		
		A	B	C
From	A	1.000	1.100	1.070
	B	1.020	1.000	1.050
	C	1.080	1.070	1.000

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	720	720

	B	215	215
	C	922	922
17:00-17:15	A	859	859
	B	257	257
	C	1101	1101
17:15-17:30	A	1053	1053
	B	315	315
	C	1349	1349
17:30-17:45	A	1053	1053
	B	315	315
	C	1349	1349
17:45-18:00	A	859	859
	B	257	257
	C	1101	1101
18:00-18:15	A	720	720
	B	215	215
	C	922	922

Results

Results Summary for whole modelled period

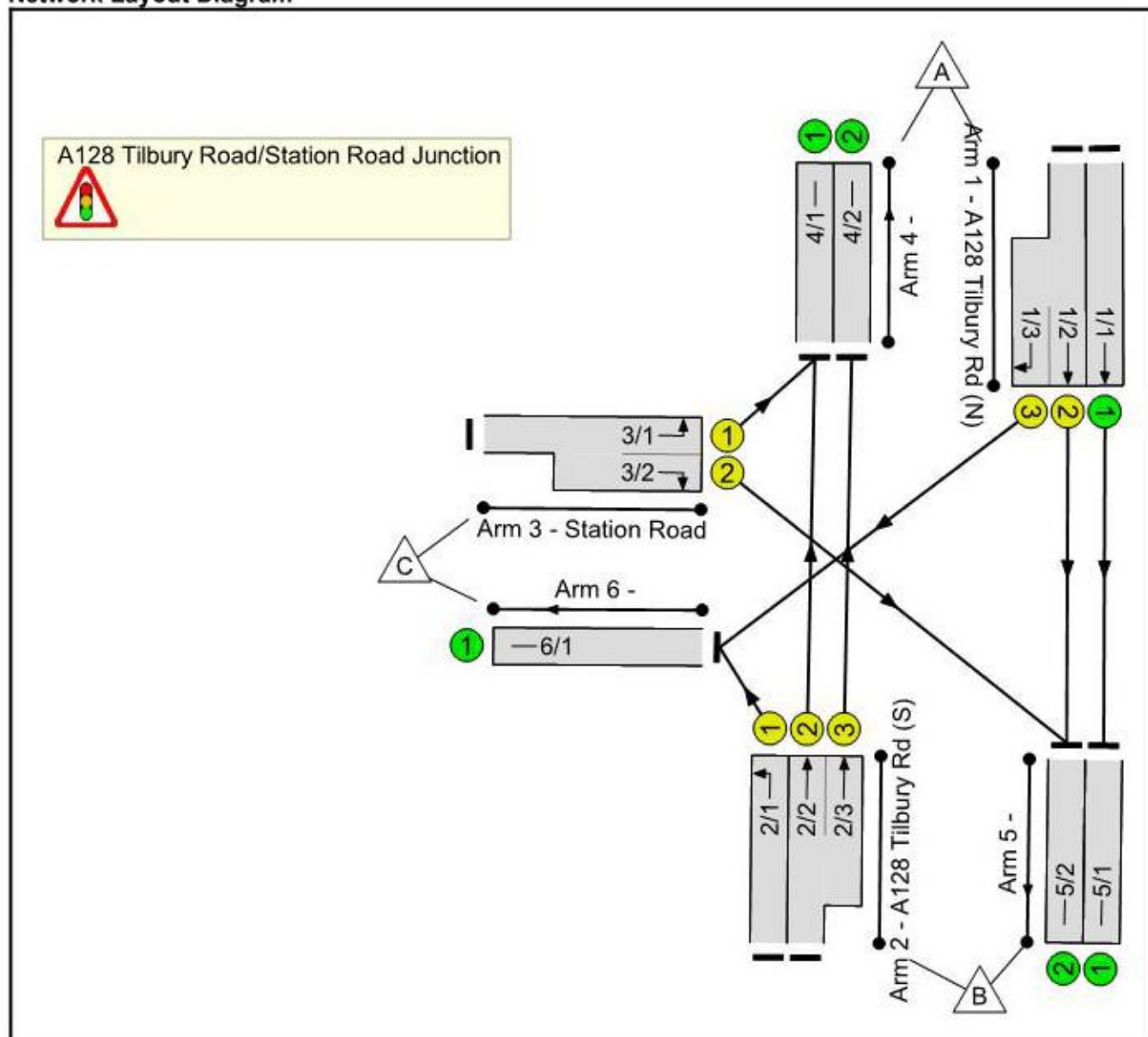
Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.12	143.86	13.1	F	222	333
B-A	0.96	291.83	3.9	F	40	61
C-AB	0.73	28.80	2.7	D	293	440
C-A					831	1246
A-B					117	175
A-C					761	1141

Full Input Data And Results
Full Input Data And Results

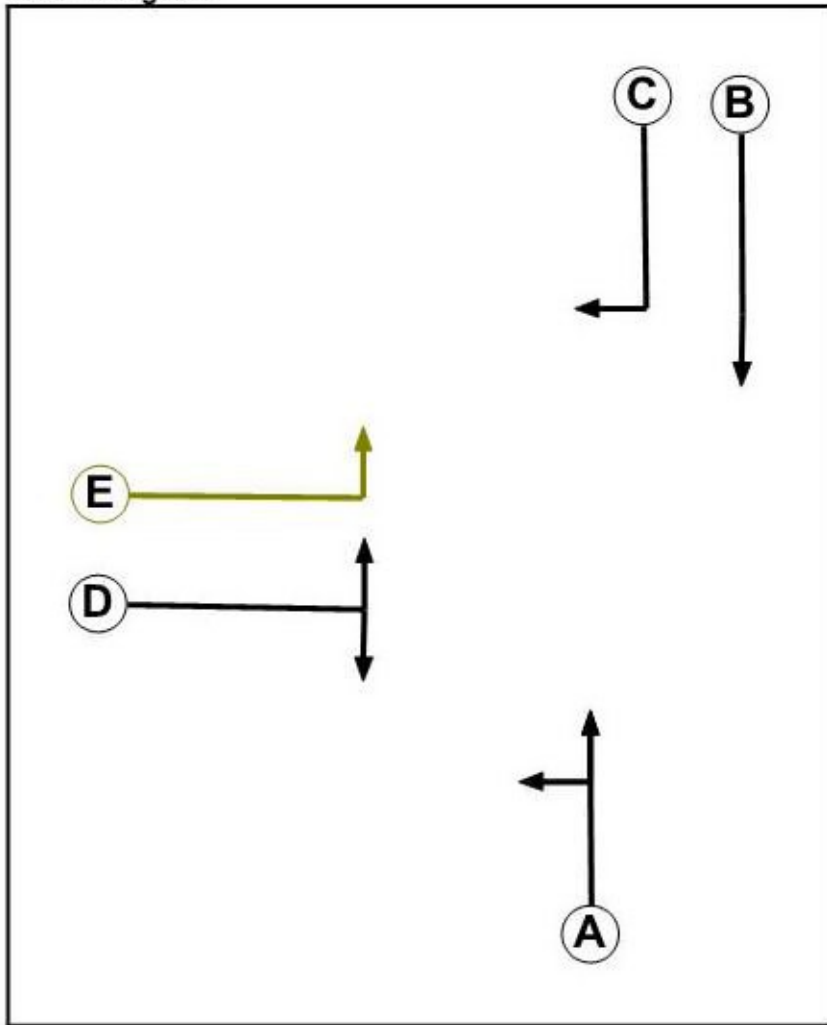
User and Project Details

Project:	Broadfields, East Horndon
Title:	A128/Station Rd/Dunton Hills proposed signals
Location:	A128/Station Road
Additional detail:	
File name:	128 - Station Road DH signals3 Pre-DH with 90mins+wider lanes+extra NB lane-2.lsg3x
Author:	Paul McLaughlin
Company:	Redwood Partnership
Address:	

Network Layout Diagram



Phase Diagram



Phase Input Data

Phase Name	Phase Type	Assoc. Phase	Street Min	Cont Min
A	Traffic		7	7
B	Traffic		7	7
C	Traffic		7	7
D	Traffic		7	7
E	Filter	D	4	0

Full Input Data And Results

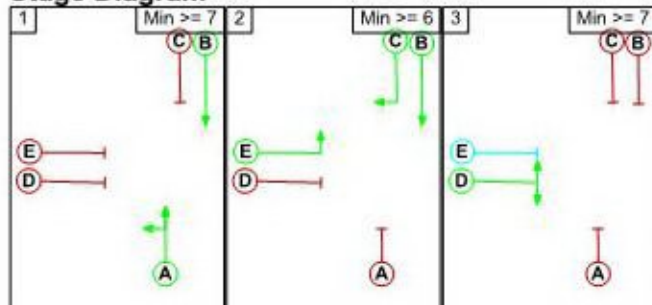
Phase Intergrens Matrix

		Starting Phase				
		A	B	C	D	E
Terminating Phase	A	-	-	5	6	6
	B	-	-	-	5	-
	C	5	-	-	5	-
	D	5	5	5	-	-
	E	5	-	-	-	-

Phases in Stage

Stage No.	Phases in Stage
1	A B
2	B C E
3	D

Stage Diagram



Phase Delays

Term. Stage	Start Stage	Phase	Type	Value	Cont value
1	3	B	Losing	1	1

Prohibited Stage Change

		To Stage		
		1	2	3
From Stage	1	-	6	6
	2	X	-	5
	3	5	5	-

Full Input Data And Results

Give-Way Lane Input Data

Junction: A128 Tilbury Road/Station Road Junction

There are no Opposed Lanes in this Junction

Full Input Data And Results

Lane Input Data

Junction: A128 Tilbury Road/Station Road Junction												
Lane	Lane Type	Phases	Start Disp.	End Disp.	Physical Length (PCU)	Sat Flow Type	Def User Saturation Flow (PCU/Hr)	Lane Width (m)	Gradient	Nearside Lane	Turns	Turning Radius (m)
1/1 (A128 Tilbury Rd (N))	U		2	3	60.0	Inf	-	-	-	-	-	-
1/2 (A128 Tilbury Rd (N))	U	B	2	3	60.0	Geom	-	3.30	0.00	Y	Arm 5 Ahead	Inf
1/3 (A128 Tilbury Rd (N))	U	C	2	3	6.0	Geom	-	3.30	0.00	N	Arm 6 Right	19.00
2/1 (A128 Tilbury Rd (S))	U	A	2	3	60.0	Geom	-	3.00	0.00	Y	Arm 6 Left	19.00
2/2 (A128 Tilbury Rd (S))	U	A	2	3	60.0	Geom	-	3.25	0.00	N	Arm 4 Ahead	Inf
2/3 (A128 Tilbury Rd (S))	U	A	2	3	7.0	Geom	-	3.30	0.00	N	Arm 4 Ahead	Inf
3/1 (Station Road)	U	D E	2	3	60.0	Geom	-	3.30	0.00	Y	Arm 4 Left	21.00
3/2 (Station Road)	U	D	2	3	6.0	Geom	-	3.30	0.00	N	Arm 5 Right	12.00
4/1	U		2	3	60.0	Inf	-	-	-	-	-	-
4/2	U		2	3	60.0	Inf	-	-	-	-	-	-
5/1	U		2	3	60.0	Inf	-	-	-	-	-	-
5/2	U		2	3	60.0	Inf	-	-	-	-	-	-
6/1	U		2	3	60.0	Inf	-	-	-	-	-	-

Traffic Flow Groups

Flow Group	Start Time	End Time	Duration	Formula
1: '2032 Base+EH+Broadfields+west horndon AM - A322'	08:00	09:00	01:00	
2: '2033 Base+EH+Broadfields+west horndon PM - A322'	17:00	18:00	01:00	

Full Input Data And Results

Scenario 1: 'Scenario 1' (FG1: '2032 Base+EH+Broadfields+west horndon AM - A322', Plan 1: 'Network Control Plan 1')

Traffic Flows, Desired

Desired Flow :

	Destination				
		A	B	C	Tot.
Origin	A	0	671	170	841
	B	960	0	57	1017
	C	247	69	0	316
	Tot.	1207	740	227	2174

Traffic Lane Flows

Lane	Scenario 1: Scenario 1
Junction: A128 Tilbury Road/Station Road Junction	
1/1	0
1/2 (with short)	841(In) 671(Out)
1/3 (short)	170
2/1	57
2/2 (with short)	542(In) 0(Out)
2/3 (short)	542
3/1 (with short)	316(In) 247(Out)
3/2 (short)	69
4/1	247
4/2	542
5/1	0
5/2	740
6/1	227

Full Input Data And Results

Lane Saturation Flows

Junction: A128 Tilbury Road/Station Road Junction								
Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
1/1 (A128 Tilbury Rd (N) Lane 1)	Infinite Saturation Flow						Inf	Inf
1/2 (A128 Tilbury Rd (N))	3.30	0.00	Y	Arm 5 Ahead	Inf	100.0 %	1945	1945
1/3 (A128 Tilbury Rd (N))	3.30	0.00	N	Arm 6 Right	19.00	100.0 %	1932	1932
2/1 (A128 Tilbury Rd (S))	3.00	0.00	Y	Arm 6 Left	19.00	100.0 %	1775	1775
2/2 (A128 Tilbury Rd (S))	3.25	0.00	N	Arm 4 Ahead	Inf	0.0 %	2080	2080
2/3 (A128 Tilbury Rd (S))	3.30	0.00	N	Arm 4 Ahead	Inf	100.0 %	2085	2085
3/1 (Station Road)	3.30	0.00	Y	Arm 4 Left	21.00	100.0 %	1815	1815
3/2 (Station Road)	3.30	0.00	N	Arm 5 Right	12.00	100.0 %	1853	1853
4/1	Infinite Saturation Flow						Inf	Inf
4/2	Infinite Saturation Flow						Inf	Inf
5/1	Infinite Saturation Flow						Inf	Inf
5/2	Infinite Saturation Flow						Inf	Inf
6/1	Infinite Saturation Flow						Inf	Inf

Scenario 2: 'Scenario 2' (FG2: '2033 Base+EH+Broadfields+west horndon PM - A322', Plan 1: 'Network Control Plan 1')

Traffic Flows, Desired

Desired Flow :

	Destination				
		A	B	C	Tot.
Origin	A	0	912	324	1236
	B	833	0	128	961
	C	243	44	0	287
	Tot.	1076	956	452	2484

Full Input Data And Results

Traffic Lane Flows

Lane	Scenario 2: Scenario 2
Junction: A128 Tilbury Road/Station Road Junction	
1/1	0
1/2 (with short)	1236(In) 912(Out)
1/3 (short)	324
2/1	128
2/2 (with short)	553(In) 0(Out)
2/3 (short)	553
3/1 (with short)	287(In) 243(Out)
3/2 (short)	44
4/1	243
4/2	553
5/1	0
5/2	956
6/1	452

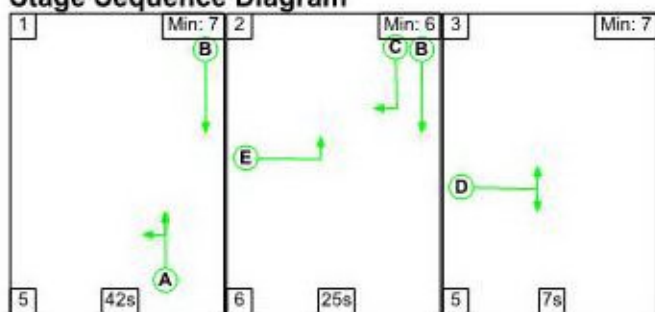
Lane Saturation Flows

Junction: A128 Tilbury Road/Station Road Junction								
Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
1/1 (A128 Tilbury Rd (N) Lane 1)	Infinite Saturation Flow						Inf	Inf
1/2 (A128 Tilbury Rd (N))	3.30	0.00	Y	Arm 5 Ahead	Inf	100.0 %	1945	1945
1/3 (A128 Tilbury Rd (N))	3.30	0.00	N	Arm 6 Right	19.00	100.0 %	1932	1932
2/1 (A128 Tilbury Rd (S))	3.00	0.00	Y	Arm 6 Left	19.00	100.0 %	1775	1775
2/2 (A128 Tilbury Rd (S))	3.25	0.00	N	Arm 4 Ahead	Inf	0.0 %	2080	2080
2/3 (A128 Tilbury Rd (S))	3.30	0.00	N	Arm 4 Ahead	Inf	100.0 %	2085	2085
3/1 (Station Road)	3.30	0.00	Y	Arm 4 Left	21.00	100.0 %	1815	1815
3/2 (Station Road)	3.30	0.00	N	Arm 5 Right	12.00	100.0 %	1853	1853
4/1	Infinite Saturation Flow						Inf	Inf
4/2	Infinite Saturation Flow						Inf	Inf
5/1	Infinite Saturation Flow						Inf	Inf
5/2	Infinite Saturation Flow						Inf	Inf
6/1	Infinite Saturation Flow						Inf	Inf

Full Input Data And Results

Scenario 1: 'Scenario 1' (FG1: '2032 Base+EH+Broadfields+west horndon AM - A322', Plan 1: 'Network Control Plan 1')

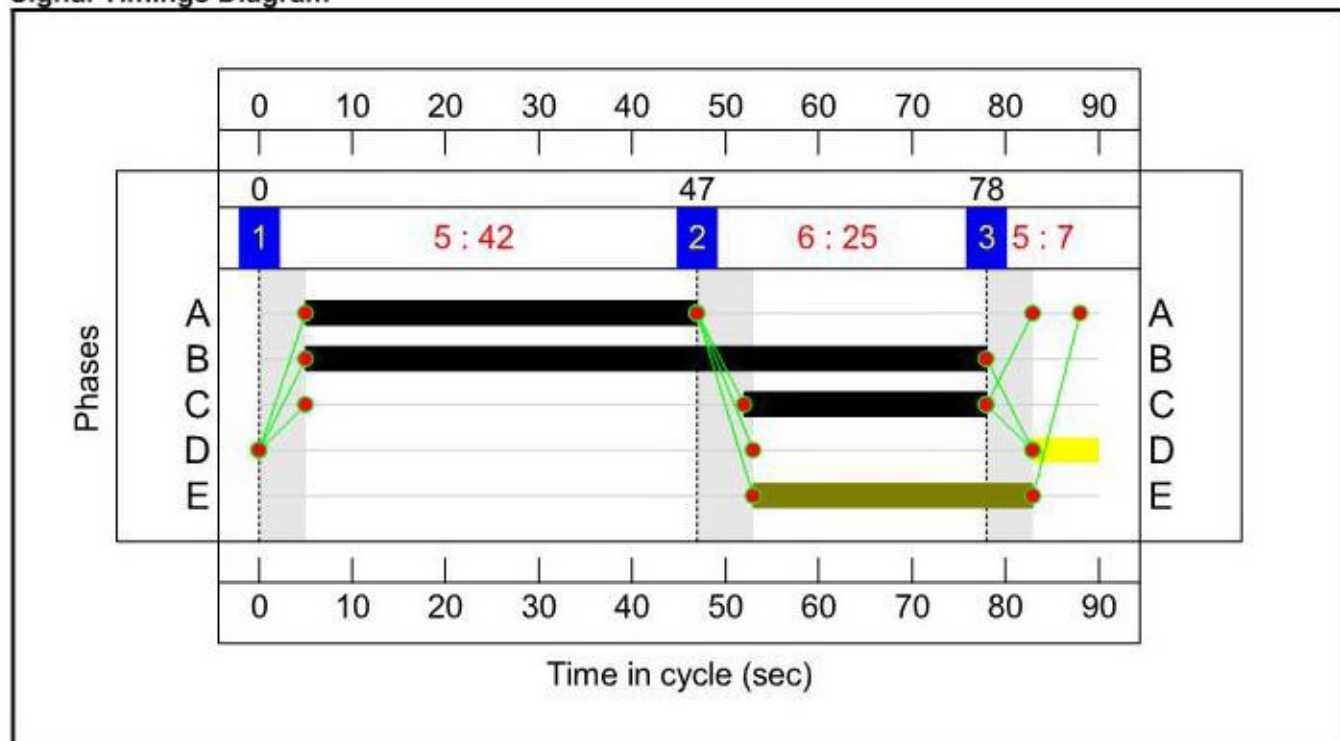
Stage Sequence Diagram



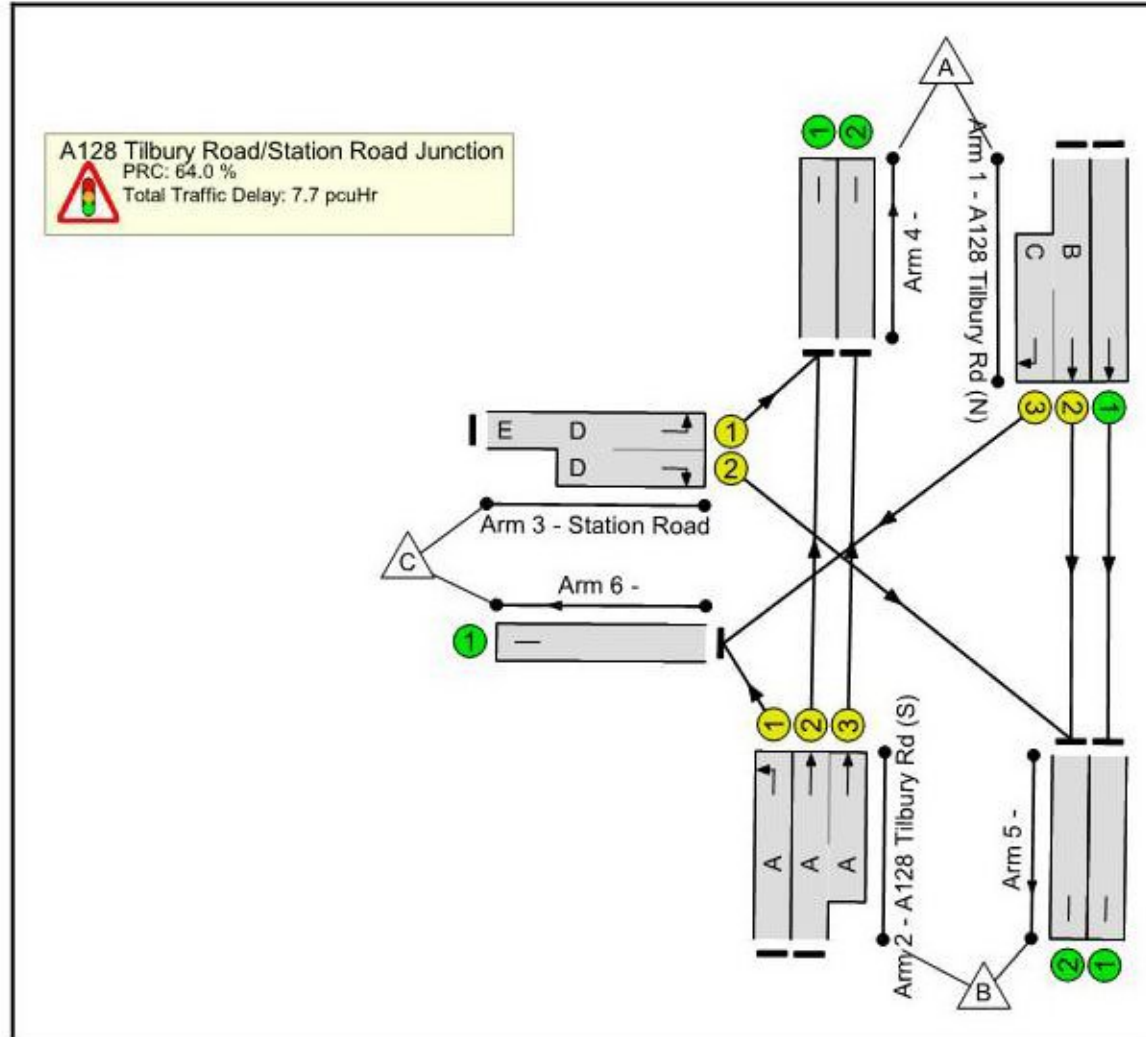
Stage Timings

Stage	1	2	3
Duration	42	25	7
Change Point	0	47	78

Signal Timings Diagram



Full Input Data And Results
Network Layout Diagram



Full Input Data And Results

Network Results

Item	Lane Description	Lane Type	Controller Stream	Position In Filtered Route	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)
Network: A128/Station Rd/Dunton Hills proposed signals	-	-	N/A	-	-		-	-	-	-	-	-	54.9%
A128 Tilbury Road/Station Road Junction	-	-	N/A	-	-		-	-	-	-	-	-	54.9%
1/1	A128 Tilbury Rd (N) Ahead	U	N/A	N/A	-		-	-	-	0	Inf	Inf	0.0%
1/2+1/3	A128 Tilbury Rd (N) Ahead Right	U	N/A	N/A	B C		1	73:26	-	841	1945:1932	1223+310	54.9 : 54.9%
2/1	A128 Tilbury Rd (S) Left	U	N/A	N/A	A		1	42	-	57	1775	848	6.7%
2/2+2/3	A128 Tilbury Rd (S) Ahead	U	N/A	N/A	A		1	42	-	542	2080:2085	0+996	0.0 : 54.4%
3/1+3/2	Station Road Left Right	U	N/A	N/A	D	E	1	37:7	30	316	1815:1853	652+165	37.9 : 41.9%
4/1		U	N/A	N/A	-		-	-	-	247	Inf	Inf	0.0%
4/2		U	N/A	N/A	-		-	-	-	542	Inf	Inf	0.0%
5/1		U	N/A	N/A	-		-	-	-	0	Inf	Inf	0.0%
5/2		U	N/A	N/A	-		-	-	-	740	Inf	Inf	0.0%
6/1		U	N/A	N/A	-		-	-	-	227	Inf	Inf	0.0%

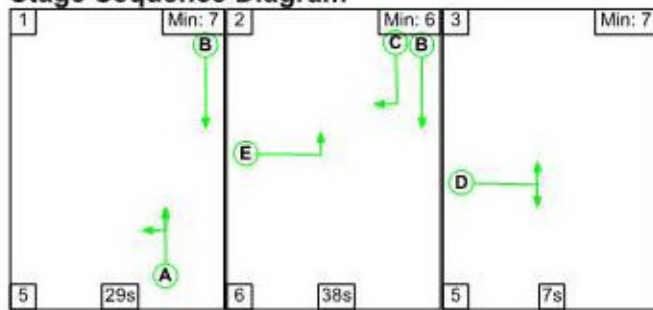
Full Input Data And Results

Item	Arriving (pcu)	Leaving (pcu)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Uniform Delay (pcuHr)	Rand + Oversat Delay (pcuHr)	Storage Area Uniform Delay (pcuHr)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Max. Back of Uniform Queue (pcu)	Rand + Oversat Queue (pcu)	Mean Max Queue (pcu)
Network: A128/Station Rd/Dunton Hills proposed signals	-	-	0	0	0	6.2	1.6	0.0	7.7	-	-	-	-
A128 Tilbury Road/Station Road Junction	-	-	0	0	0	6.2	1.6	0.0	7.7	-	-	-	-
1/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
1/2+1/3	841	841	-	-	-	1.5	0.6	-	2.2	9.2	4.5	0.6	5.1
2/1	57	57	-	-	-	0.2	0.0	-	0.2	15.0	0.8	0.0	0.8
2/2+2/3	542	542	-	-	-	2.5	0.6	-	3.1	20.5	9.5	0.6	10.1
3/1+3/2	316	316	-	-	-	1.9	0.3	-	2.3	25.7	4.1	0.3	4.4
4/1	247	247	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
4/2	542	542	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
5/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
5/2	740	740	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
6/1	227	227	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
C1			PRC for Signalled Lanes (%): 64.0		64.0	Total Delay for Signalled Lanes (pcuHr): 7.74		7.74	Cycle Time (s): 90				
			PRC Over All Lanes (%): 64.0			Total Delay Over All Lanes(pcuHr): 7.74							

Full Input Data And Results

Scenario 2: 'Scenario 2' (FG2: '2033 Base+EH+Broadfields+west horndon PM - A322', Plan 1: 'Network Control Plan 1')

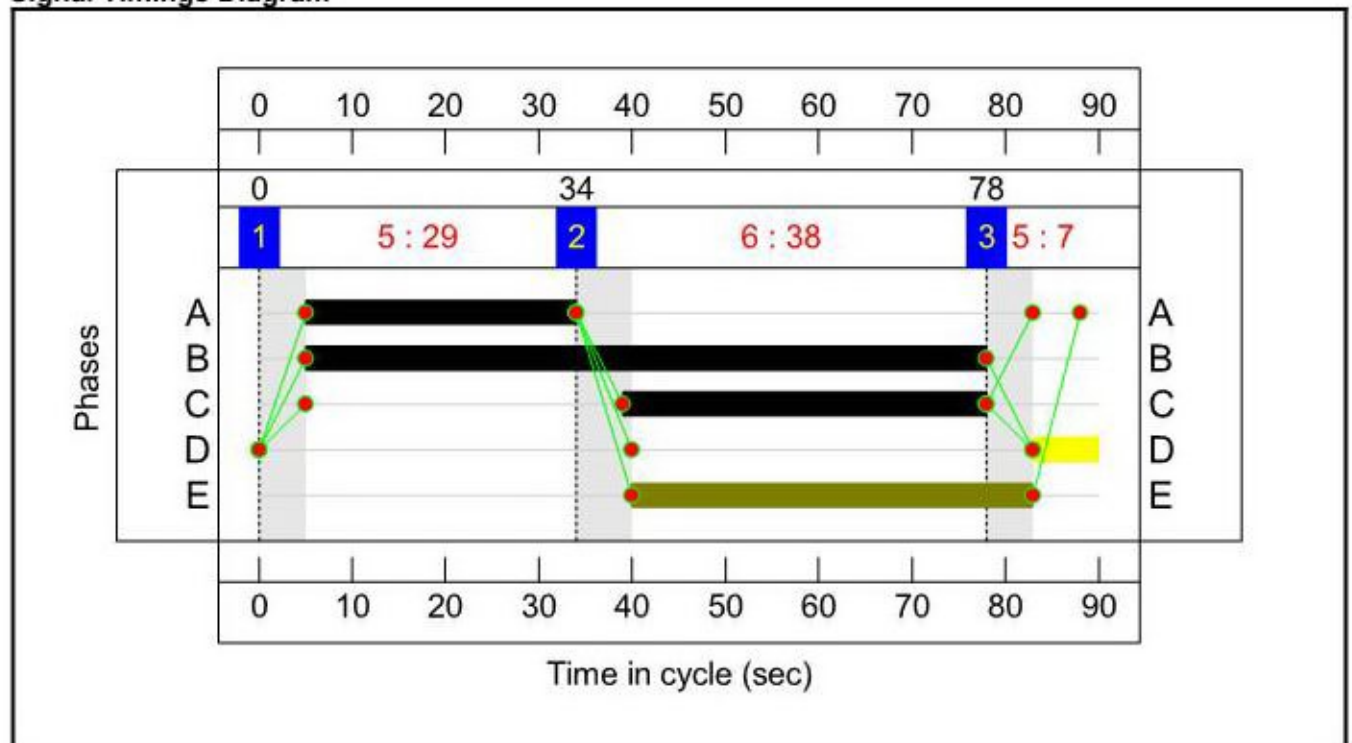
Stage Sequence Diagram



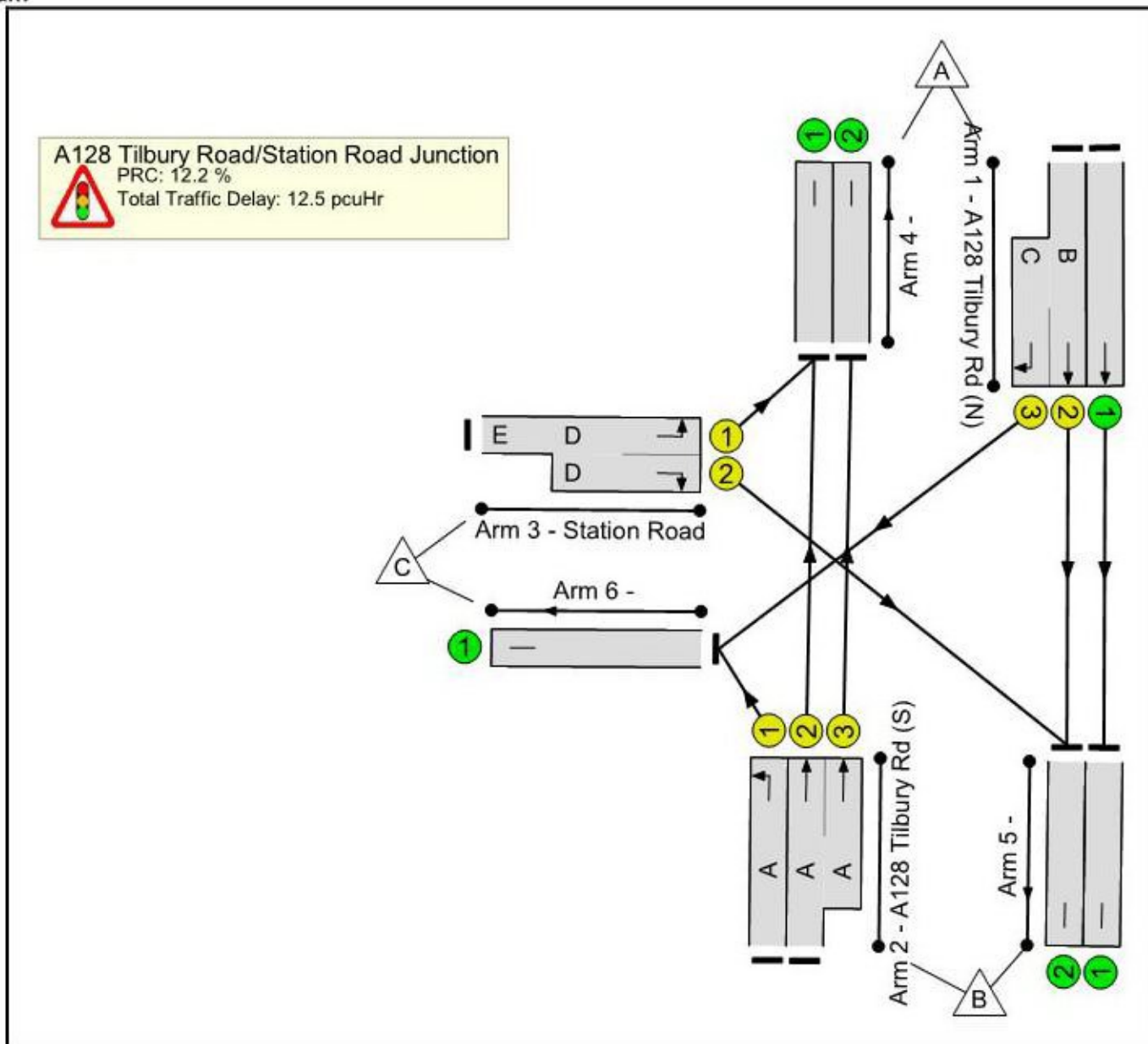
Stage Timings

Stage	1	2	3
Duration	29	38	7
Change Point	0	34	78

Signal Timings Diagram



Full Input Data And Results
Network Layout Diagram



Full Input Data And Results

Network Results

Item	Lane Description	Lane Type	Controller Stream	Position In Filtered Route	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)
Network: A128/Station Rd/Dunton Hills proposed signals	-	-	N/A	-	-		-	-	-	-	-	-	80.2%
A128 Tilbury Road/Station Road Junction	-	-	N/A	-	-		-	-	-	-	-	-	80.2%
1/1	A128 Tilbury Rd (N) Ahead	U	N/A	N/A	-		-	-	-	0	Inf	Inf	0.0%
1/2+1/3	A128 Tilbury Rd (N) Ahead Right	U	N/A	N/A	B C		1	73:39	-	1236	1945:1932	1137+404	80.2 : 80.2%
2/1	A128 Tilbury Rd (S) Left	U	N/A	N/A	A		1	29	-	128	1775	592	21.6%
2/2+2/3	A128 Tilbury Rd (S) Ahead	U	N/A	N/A	A		1	29	-	553	2080:2085	0+695	0.0 : 79.6%
3/1+3/2	Station Road Left Right	U	N/A	N/A	D	E	1	50:7	43	287	1815:1853	908+164	26.8 : 26.8%
4/1		U	N/A	N/A	-		-	-	-	243	Inf	Inf	0.0%
4/2		U	N/A	N/A	-		-	-	-	553	Inf	Inf	0.0%
5/1		U	N/A	N/A	-		-	-	-	0	Inf	Inf	0.0%
5/2		U	N/A	N/A	-		-	-	-	956	Inf	Inf	0.0%
6/1		U	N/A	N/A	-		-	-	-	452	Inf	Inf	0.0%

Full Input Data And Results

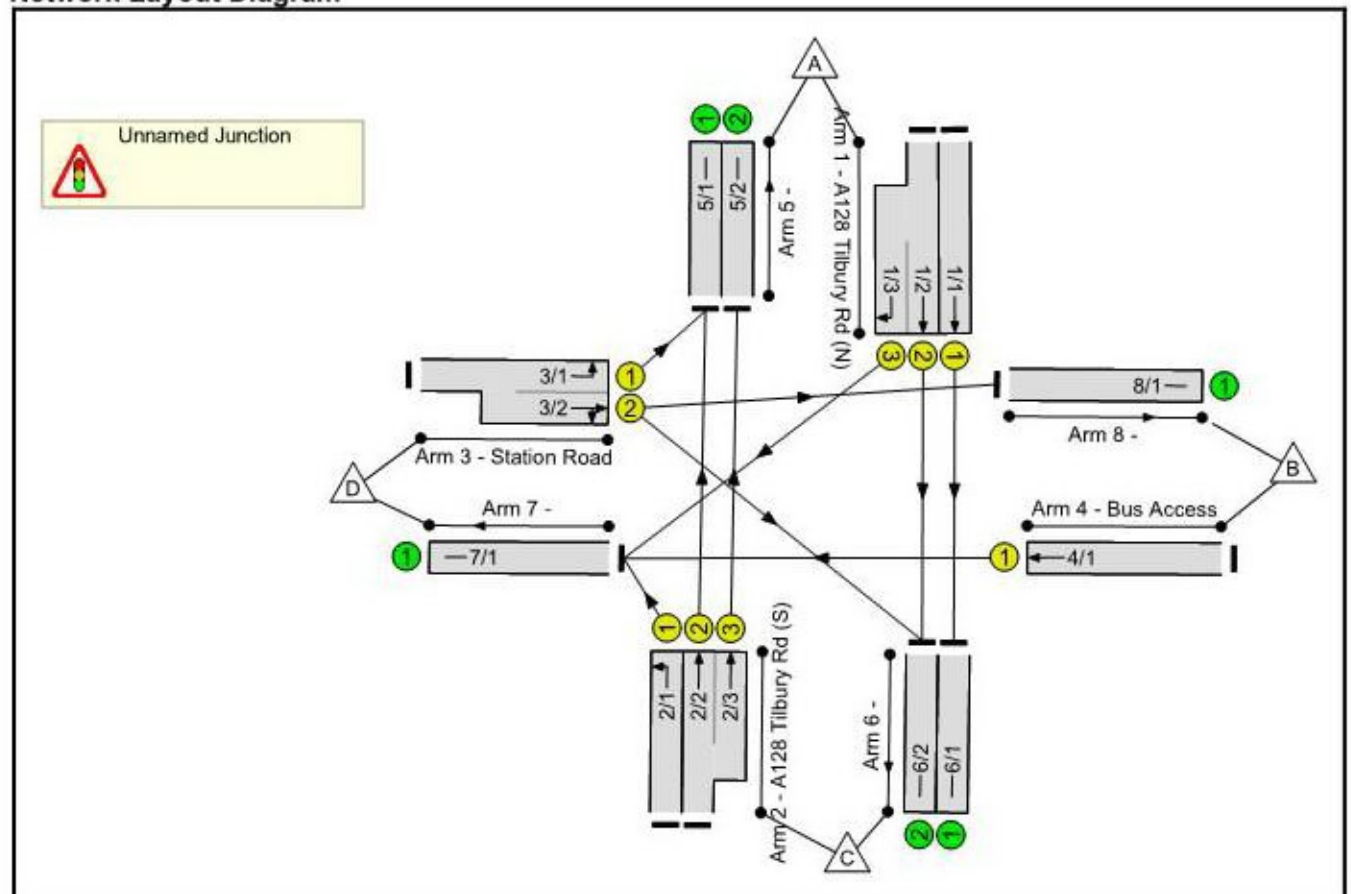
Item	Arriving (pcu)	Leaving (pcu)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Uniform Delay (pcuHr)	Rand + Oversat Delay (pcuHr)	Storage Area Uniform Delay (pcuHr)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Max. Back of Uniform Queue (pcu)	Rand + Oversat Queue (pcu)	Mean Max Queue (pcu)
Network: A128/Station Rd/Dunton Hills proposed signals	-	-	0	0	0	8.3	4.2	0.0	12.5	-	-	-	-
A128 Tilbury Road/Station Road Junction	-	-	0	0	0	8.3	4.2	0.0	12.5	-	-	-	-
1/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
1/2+1/3	1236	1236	-	-	-	2.2	2.0	-	4.2	12.2	9.1	2.0	11.1
2/1	128	128	-	-	-	0.8	0.1	-	0.9	25.4	2.3	0.1	2.4
2/2+2/3	553	553	-	-	-	4.2	1.9	-	6.1	39.6	12.4	1.9	14.3
3/1+3/2	287	287	-	-	-	1.1	0.2	-	1.3	16.4	3.0	0.2	3.2
4/1	243	243	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
4/2	553	553	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
5/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
5/2	956	956	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
6/1	452	452	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
C1 PRC for Signalled Lanes (%): 12.2 Total Delay for Signalled Lanes (pcuHr): 12.48 Cycle Time (s): 90 PRC Over All Lanes (%): 12.2 Total Delay Over All Lanes(pcuHr): 12.48													

Full Input Data And Results
Full Input Data And Results

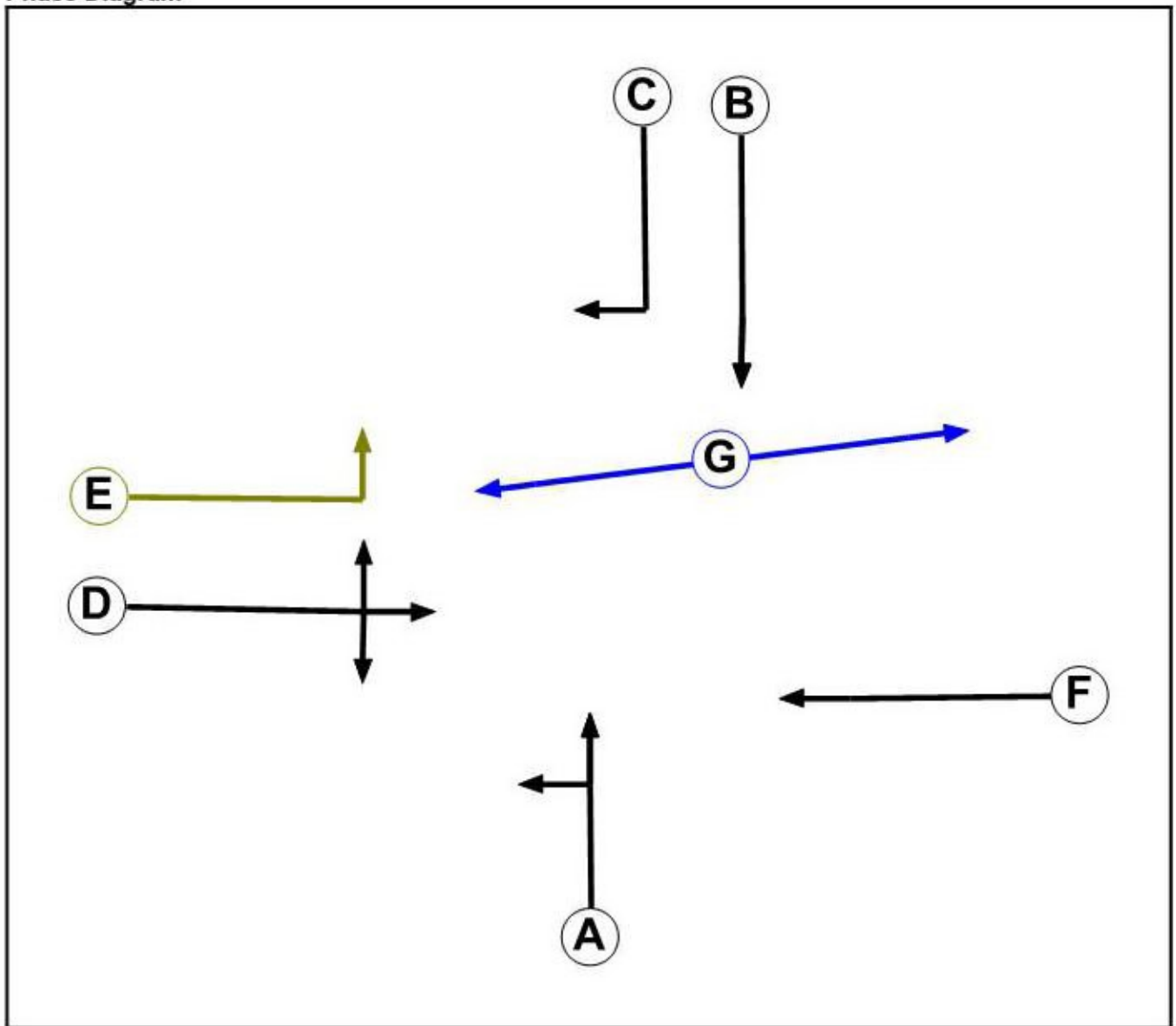
User and Project Details

Project:	Broadfields, East Horndon
Title:	A128/Station Rd/Dunton Hills proposed signals
Location:	A128/Station Road
Additional detail:	
File name:	128 - Final Station Road DH signals + final traffic A322+DHGV A330.lsg3x
Author:	Paul McLaughlin
Company:	Redwood Partnership
Address:	

Network Layout Diagram



Phase Diagram



Phase Input Data

Phase Name	Phase Type	Assoc. Phase	Street Min	Cont Min
A	Traffic		7	7
B	Traffic		7	7
C	Traffic		7	7
D	Traffic		7	7
E	Filter	D	4	0
F	Traffic		7	7
G	Pedestrian		7	7

Full Input Data And Results

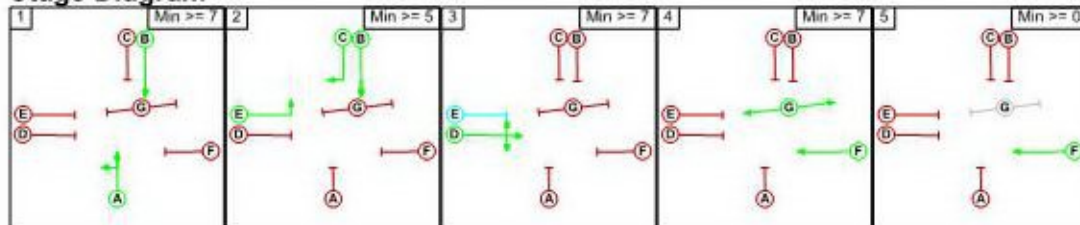
Phase Intergreens Matrix

		Starting Phase						
		A	B	C	D	E	F	G
Terminating Phase	A	-	-	5	6	6	5	9
	B	-	-	-	5	-	5	5
	C	5	-	-	5	-	5	5
	D	5	5	5	-	-	5	7
	E	5	-	-	-	-	5	7
	F	8	6	6	8	8	-	-
	G	20	20	20	20	20	-	-

Phases in Stage

Stage No.	Phases in Stage
1	A B
2	B C E
3	D
4	F G
5	F

Stage Diagram



Phase Delays

Term. Stage	Start Stage	Phase	Type	Value	Cont value
1	3	B	Losing	1	1
4	1	F	Losing	15	15
4	1	G	Losing	1	1
4	2	F	Losing	17	17
4	2	G	Losing	3	3
4	3	F	Losing	15	15
4	3	G	Losing	3	3

Full Input Data And Results

Prohibited Stage Change

		To Stage					
		1	2	3	4	5	
From Stage	1			6	6	9	5
	2	X		5	X	X	
	3	5	5		7	5	
	4	23	25	23		0	
	5	8	8	8	0		

Full Input Data And Results

Give-Way Lane Input Data

Junction: Unnamed Junction

There are no Opposed Lanes in this Junction

Full Input Data And Results

Lane Input Data

Junction: Unnamed Junction												
Lane	Lane Type	Phases	Start Disp.	End Disp.	Physical Length (PCU)	Sat Flow Type	Def User Saturation Flow (PCU/Hr)	Lane Width (m)	Gradient	Nearside Lane	Turns	Turning Radius (m)
1/1 (A128 Tilbury Rd (N))	U	B	2	3	60.0	Geom	-	3.30	0.00	Y	Arm 6 Ahead	Inf
1/2 (A128 Tilbury Rd (N))	U	B	2	3	60.0	Geom	-	3.30	0.00	N	Arm 6 Ahead	Inf
1/3 (A128 Tilbury Rd (N))	U	C	2	3	7.0	Geom	-	3.00	0.00	N	Arm 7 Right	20.00
2/1 (A128 Tilbury Rd (S))	U	A	2	3	60.0	Geom	-	3.00	0.00	Y	Arm 7 Left	14.00
2/2 (A128 Tilbury Rd (S))	U	A	2	3	60.0	Geom	-	3.30	0.00	N	Arm 5 Ahead	Inf
2/3 (A128 Tilbury Rd (S))	U	A	2	3	7.0	Geom	-	3.30	0.00	N	Arm 5 Ahead	Inf
3/1 (Station Road)	U	D E	2	3	60.0	Geom	-	3.30	0.00	Y	Arm 5 Left	13.00
3/2 (Station Road)	U	D	2	3	6.0	Geom	-	3.00	0.00	N	Arm 6 Right	21.00
											Arm 8 Ahead	Inf
4/1 (Bus Access)	U	F	2	3	60.0	Geom	-	3.00	0.00	Y	Arm 7 Ahead	Inf
5/1	U		2	3	60.0	Inf	-	-	-	-	-	-
5/2	U		2	3	60.0	Inf	-	-	-	-	-	-
6/1	U		2	3	60.0	Inf	-	-	-	-	-	-
6/2	U		2	3	60.0	Inf	-	-	-	-	-	-
7/1	U		2	3	60.0	Inf	-	-	-	-	-	-
8/1	U		2	3	60.0	Inf	-	-	-	-	-	-

Traffic Flow Groups

Flow Group	Start Time	End Time	Duration	Formula
1: '2032 Base+DH AM'	08:00	09:00	01:00	
2: '2032 Base+DH PM'	17:00	18:00	01:00	

Full Input Data And Results

Scenario 1: 'Scenario 1' (FG1: '2033 Base+DH AM', Plan 1: 'Network Control Plan 1')

Traffic Flows, Desired

Desired Flow :

	Destination					Tot.
	A	B	C	D		
Origin	A	0	0	671	211	882
	B	0	0	0	0	0
	C	960	0	0	98	1058
	D	274	0	96	0	370
	Tot.	1234	0	767	309	2310

Traffic Lane Flows

Lane	Scenario 1: Scenario 1
Junction: Unnamed Junction	
1/1	0
1/2 (with short)	882(In) 671(Out)
1/3 (short)	211
2/1	98
2/2 (with short)	960(In) 480(Out)
2/3 (short)	480
3/1 (with short)	370(In) 274(Out)
3/2 (short)	96
4/1	0
5/1	754
5/2	480
6/1	0
6/2	767
7/1	309
8/1	0

Full Input Data And Results

Lane Saturation Flows

Junction: Unnamed Junction								
Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
1/1 (A128 Tilbury Rd (N))	3.30	0.00	Y	Arm 6 Ahead	Inf	0.0 %	1945	1945
1/2 (A128 Tilbury Rd (N))	3.30	0.00	N	Arm 6 Ahead	Inf	100.0 %	2085	2085
1/3 (A128 Tilbury Rd (N))	3.00	0.00	N	Arm 7 Right	20.00	100.0 %	1912	1912
2/1 (A128 Tilbury Rd (S))	3.00	0.00	Y	Arm 7 Left	14.00	100.0 %	1730	1730
2/2 (A128 Tilbury Rd (S))	3.30	0.00	N	Arm 5 Ahead	Inf	100.0 %	2085	2085
2/3 (A128 Tilbury Rd (S))	3.30	0.00	N	Arm 5 Ahead	Inf	100.0 %	2085	2085
3/1 (Station Road)	3.30	0.00	Y	Arm 5 Left	13.00	100.0 %	1744	1744
3/2 (Station Road)	3.00	0.00	N	Arm 6 Right	21.00	100.0 %	1918	1918
				Arm 8 Ahead	Inf	0.0 %		
4/1 (Bus Access)	3.00	0.00	Y	Arm 7 Ahead	Inf	0.0 %	1915	1915
5/1	Infinite Saturation Flow						Inf	Inf
5/2	Infinite Saturation Flow						Inf	Inf
6/1	Infinite Saturation Flow						Inf	Inf
6/2	Infinite Saturation Flow						Inf	Inf
7/1	Infinite Saturation Flow						Inf	Inf
8/1	Infinite Saturation Flow						Inf	Inf

Scenario 2: 'Scenario 2' (FG2: '2033 Base+DH PM', Plan 1: 'Network Control Plan 1')

Traffic Flows, Desired

Desired Flow :

Origin	Destination					Tot.
	A	B	C	D		
A	0	0	912	374	1286	
B	0	0	0	0	0	
C	833	0	0	178	1011	
D	273	0	74	0	347	
Tot.	1106	0	986	552	2644	

Full Input Data And Results

Traffic Lane Flows

Lane	Scenario 2: Scenario 2
Junction: Unnamed Junction	
1/1	0
1/2 (with short)	1286(In) 912(Out)
1/3 (short)	374
2/1	178
2/2 (with short)	833(In) 416(Out)
2/3 (short)	417
3/1 (with short)	347(In) 273(Out)
3/2 (short)	74
4/1	0
5/1	689
5/2	417
6/1	0
6/2	986
7/1	552
8/1	0

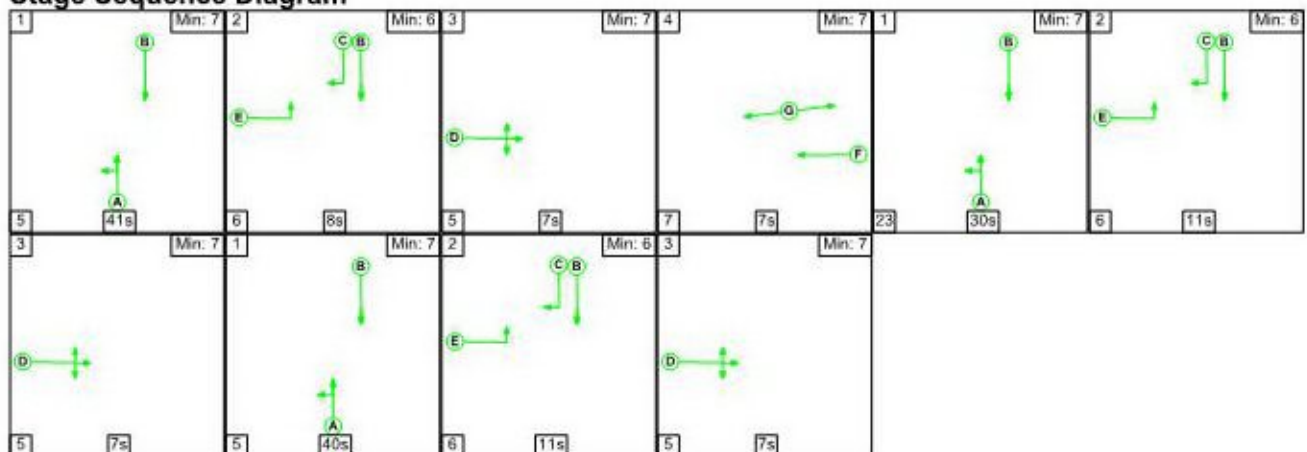
Full Input Data And Results

Lane Saturation Flows

Junction: Unnamed Junction								
Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
1/1 (A128 Tilbury Rd (N))	3.30	0.00	Y	Arm 6 Ahead	Inf	0.0 %	1945	1945
1/2 (A128 Tilbury Rd (N))	3.30	0.00	N	Arm 6 Ahead	Inf	100.0 %	2085	2085
1/3 (A128 Tilbury Rd (N))	3.00	0.00	N	Arm 7 Right	20.00	100.0 %	1912	1912
2/1 (A128 Tilbury Rd (S))	3.00	0.00	Y	Arm 7 Left	14.00	100.0 %	1730	1730
2/2 (A128 Tilbury Rd (S))	3.30	0.00	N	Arm 5 Ahead	Inf	100.0 %	2085	2085
2/3 (A128 Tilbury Rd (S))	3.30	0.00	N	Arm 5 Ahead	Inf	100.0 %	2085	2085
3/1 (Station Road)	3.30	0.00	Y	Arm 5 Left	13.00	100.0 %	1744	1744
3/2 (Station Road)	3.00	0.00	N	Arm 6 Right	21.00	100.0 %	1918	1918
				Arm 8 Ahead	Inf	0.0 %		
4/1 (Bus Access)	3.00	0.00	Y	Arm 7 Ahead	Inf	0.0 %	1915	1915
5/1	Infinite Saturation Flow						Inf	Inf
5/2	Infinite Saturation Flow						Inf	Inf
6/1	Infinite Saturation Flow						Inf	Inf
6/2	Infinite Saturation Flow						Inf	Inf
7/1	Infinite Saturation Flow						Inf	Inf
8/1	Infinite Saturation Flow						Inf	Inf

Scenario 1: 'Scenario 1' (FG1: '2033 Base+DH AM', Plan 1: 'Network Control Plan 1')

Stage Sequence Diagram

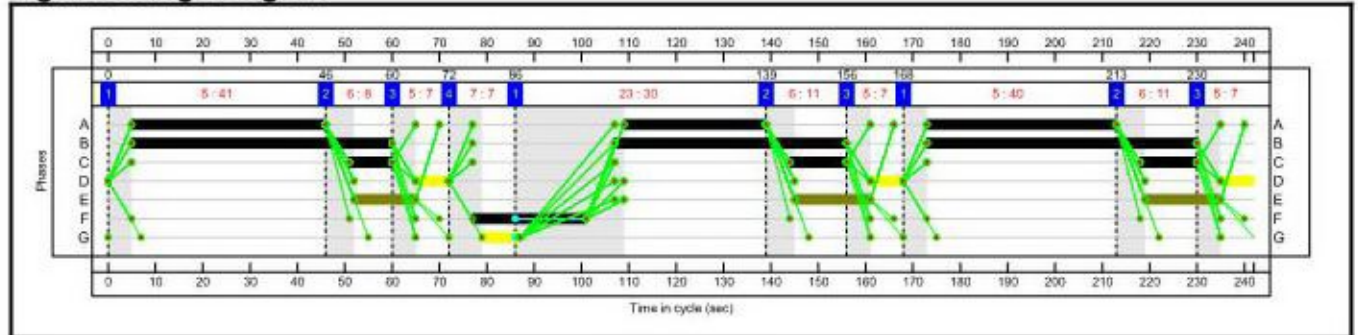


Full Input Data And Results

Stage Timings

Stage	1	2	3	4	1	2	3	1	2	3
Duration	41	8	7	7	30	11	7	40	11	7
Change Point	0	46	60	72	86	139	156	168	213	230

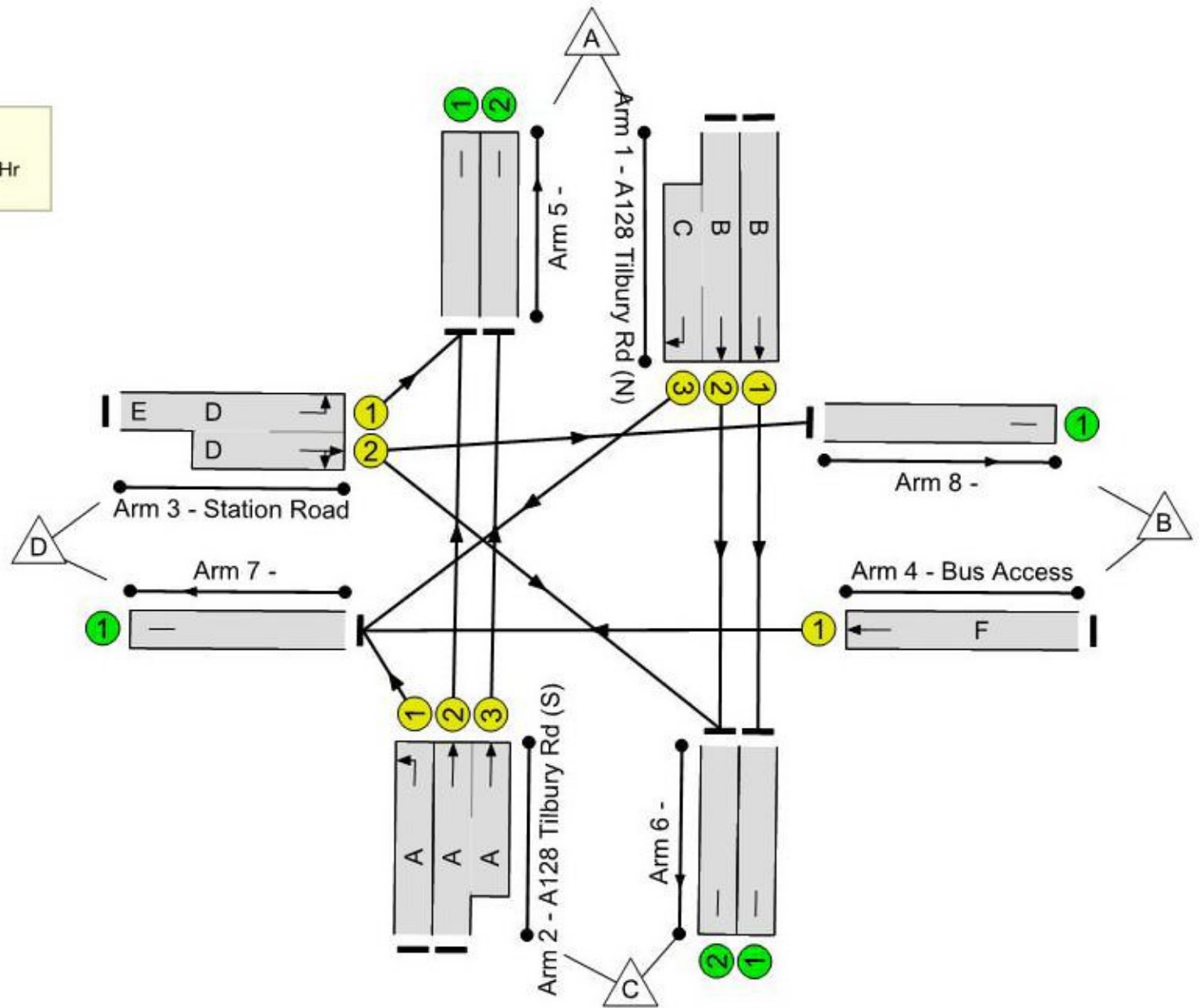
Signal Timings Diagram



Full Input Data And Results
Network Layout Diagram

Full Input Data And Results

 **Unnamed Junction**
PRC: 21.3 %
Total Traffic Delay: 14.9 pcuHr



Full Input Data And Results

Network Results

Item	Lane Description	Lane Type	Controller Stream	Position In Filtered Route	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)
Network: A128/Station Rd/Dunton Hills proposed signals	-	-	N/A	-	-		-	-	-	-	-	-	74.2%
Unnamed Junction	-	-	N/A	-	-		-	-	-	-	-	-	74.2%
1/1	A128 Tilbury Rd (N) Ahead	U	N/A	N/A	B		3	161	-	0	1945	1318	0.0%
1/2+1/3	A128 Tilbury Rd (N) Ahead Right	U	N/A	N/A	B C		3	161:33	-	882	2085:1912	905+284	74.2 : 74.2%
2/1	A128 Tilbury Rd (S) Left	U	N/A	N/A	A		3	111	-	98	1730	815	12.0%
2/2+2/3	A128 Tilbury Rd (S) Ahead	U	N/A	N/A	A		3	111	-	960	2085:2085	648+648	74.0 : 74.0%
3/1+3/2	Station Road Left Right Ahead	U	N/A	N/A	D	E	3	66:21	45	370	1744:1918	448+157	61.1 : 61.1%
4/1	Bus Access Ahead	U	N/A	N/A	F		1	24	-	0	1915	198	0.0%
5/1		U	N/A	N/A	-		-	-	-	754	Inf	Inf	0.0%
5/2		U	N/A	N/A	-		-	-	-	480	Inf	Inf	0.0%
6/1		U	N/A	N/A	-		-	-	-	0	Inf	Inf	0.0%
6/2		U	N/A	N/A	-		-	-	-	767	Inf	Inf	0.0%
7/1		U	N/A	N/A	-		-	-	-	309	Inf	Inf	0.0%
8/1		U	N/A	N/A	-		-	-	-	0	Inf	Inf	0.0%

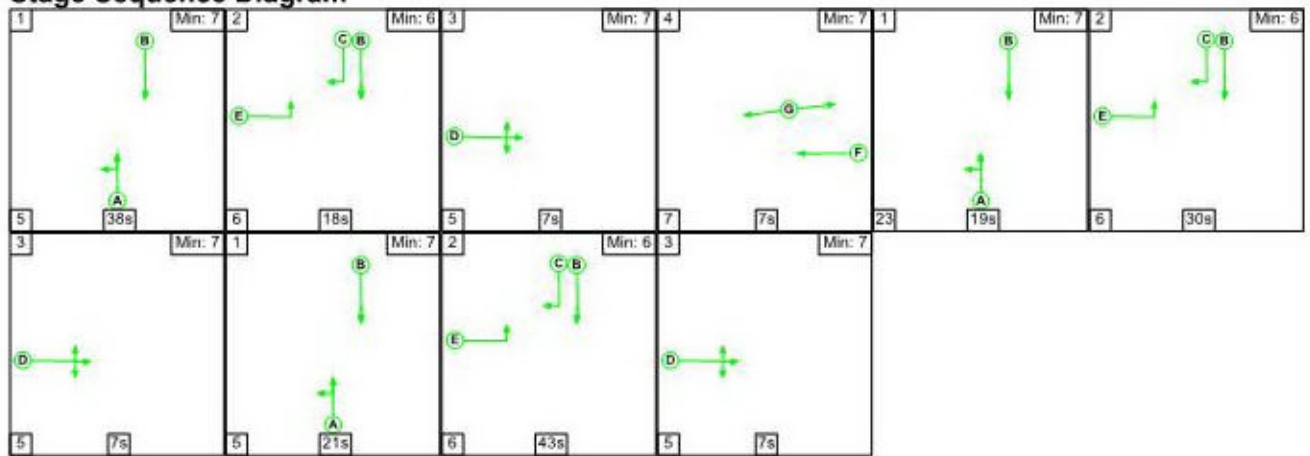
Full Input Data And Results

Item	Arriving (pcu)	Leaving (pcu)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Uniform Delay (pcuHr)	Rand + Oversat Delay (pcuHr)	Storage Area Uniform Delay (pcuHr)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Max. Back of Uniform Queue (pcu)	Rand + Oversat Queue (pcu)	Mean Max Queue (pcu)
Network: A128/Station Rd/Dunton Hills proposed signals	-	-	0	0	0	11.2	3.7	0.0	14.9	-	-	-	-
Unnamed Junction	-	-	0	0	0	11.2	3.7	0.0	14.9	-	-	-	-
1/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
1/2+1/3	882	882	-	-	-	3.5	1.4	-	4.9	20.1	15.7	1.4	17.1
2/1	98	98	-	-	-	0.4	0.1	-	0.4	15.7	1.8	0.1	1.8
2/2+2/3	960	960	-	-	-	4.4	1.4	-	5.9	22.0	17.5	1.4	18.9
3/1+3/2	370	370	-	-	-	2.9	0.8	-	3.6	35.4	6.7	0.8	7.5
4/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
5/1	754	754	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
5/2	480	480	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
6/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
6/2	767	767	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
7/1	309	309	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
8/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
C1			PRC for Signalled Lanes (%):		21.3	Total Delay for Signalled Lanes (pcuHr):		14.86	Cycle Time (s): 242				
			PRC Over All Lanes (%):		21.3	Total Delay Over All Lanes(pcuHr):		14.86					

Full Input Data And Results

Scenario 2: 'Scenario 2' (FG2: '2033 Base+DH PM', Plan 1: 'Network Control Plan 1')

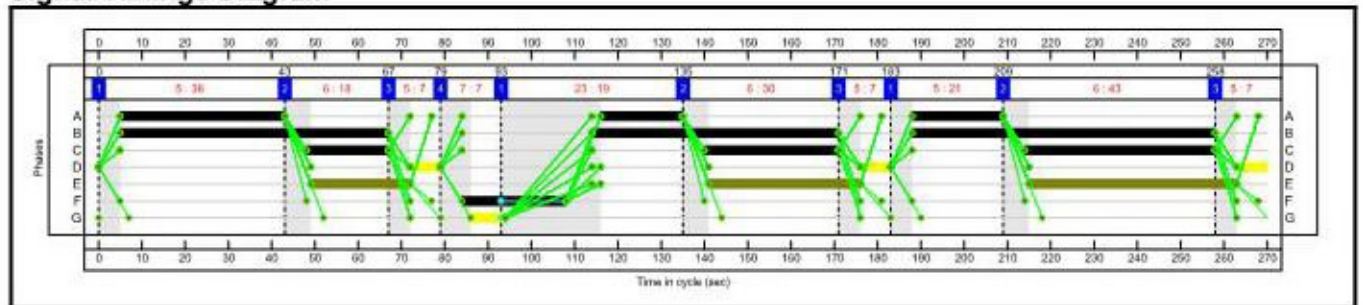
Stage Sequence Diagram



Stage Timings

Stage	1	2	3	4	1	2	3	1	2	3
Duration	38	18	7	7	19	30	7	21	43	7
Change Point	0	43	67	79	93	135	171	183	209	258

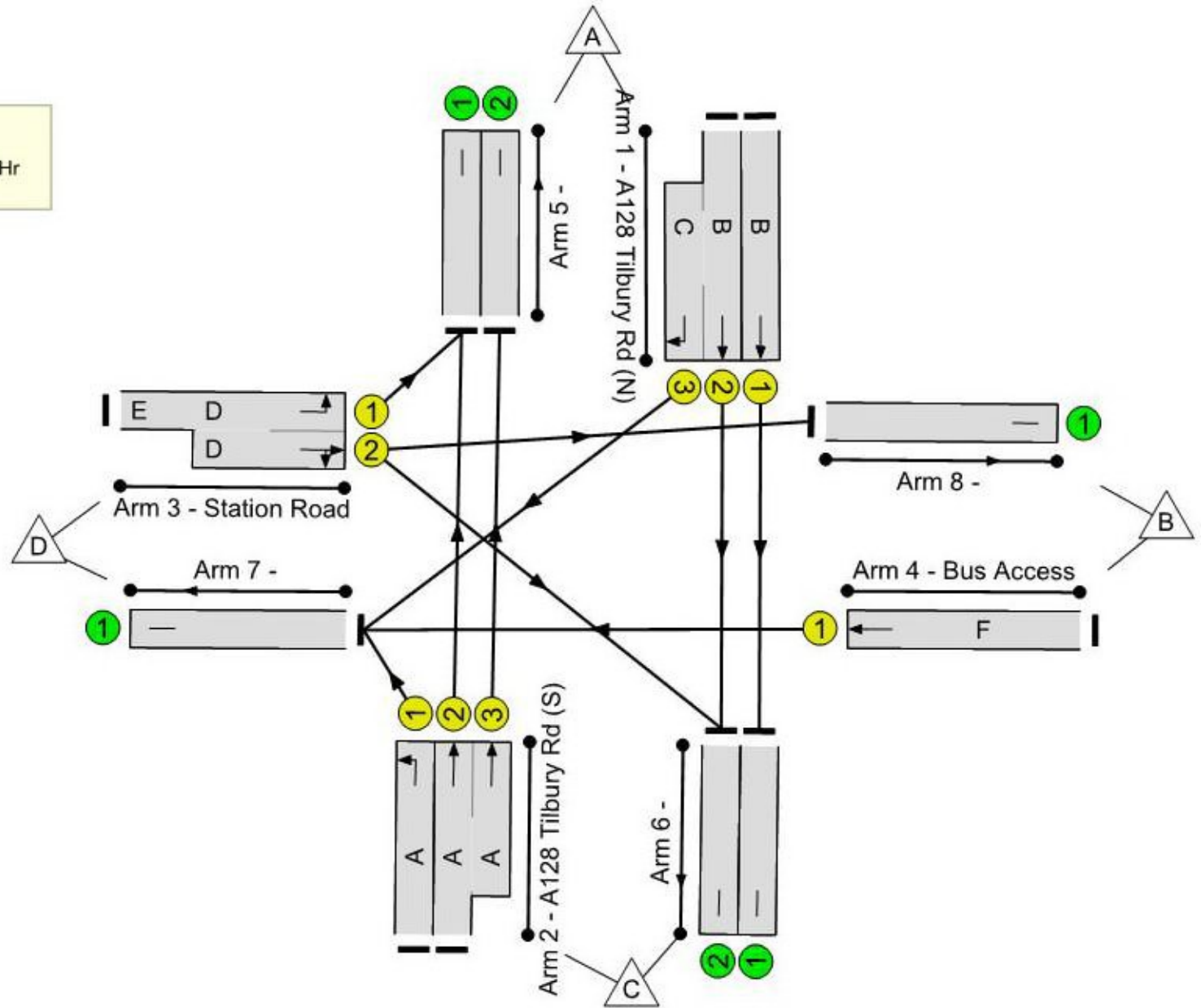
Signal Timings Diagram



Full Input Data And Results
Network Layout Diagram

Full Input Data And Results

Unnamed Junction
PRC: -2.1 %
Total Traffic Delay: 26.9 pcuHr



Full Input Data And Results

Network Results

Item	Lane Description	Lane Type	Controller Stream	Position In Filtered Route	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)
Network: A128/Station Rd/Dunton Hills proposed signals	-	-	N/A	-	-		-	-	-	-	-	-	91.9%
Unnamed Junction	-	-	N/A	-	-		-	-	-	-	-	-	91.9%
1/1	A128 Tilbury Rd (N) Ahead	U	N/A	N/A	B		3	189	-	0	1945	1383	0.0%
1/2+1/3	A128 Tilbury Rd (N) Ahead Right	U	N/A	N/A	B C		3	189:94	-	1286	2085:1912	993+407	91.9 : 91.9%
2/1	A128 Tilbury Rd (S) Left	U	N/A	N/A	A		3	78	-	178	1730	519	34.3%
2/2+2/3	A128 Tilbury Rd (S) Ahead	U	N/A	N/A	A		3	78	-	833	2085:2085	453+454	91.9 : 91.9%
3/1+3/2	Station Road Left Right Ahead	U	N/A	N/A	D	E	3	127:21	106	347	1744:1918	629+170	43.4 : 43.4%
4/1	Bus Access Ahead	U	N/A	N/A	F		1	24	-	0	1915	177	0.0%
5/1		U	N/A	N/A	-		-	-	-	689	Inf	Inf	0.0%
5/2		U	N/A	N/A	-		-	-	-	417	Inf	Inf	0.0%
6/1		U	N/A	N/A	-		-	-	-	0	Inf	Inf	0.0%
6/2		U	N/A	N/A	-		-	-	-	986	Inf	Inf	0.0%
7/1		U	N/A	N/A	-		-	-	-	552	Inf	Inf	0.0%
8/1		U	N/A	N/A	-		-	-	-	0	Inf	Inf	0.0%

Full Input Data And Results

Item	Arriving (pcu)	Leaving (pcu)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Uniform Delay (pcuHr)	Rand + Oversat Delay (pcuHr)	Storage Area Uniform Delay (pcuHr)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Max. Back of Uniform Queue (pcu)	Rand + Oversat Queue (pcu)	Mean Max Queue (pcu)
Network: A128/Station Rd/Dunton Hills proposed signals	-	-	0	0	0	16.1	10.8	0.0	26.9	-	-	-	-
Unnamed Junction	-	-	0	0	0	16.1	10.8	0.0	26.9	-	-	-	-
1/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
1/2+1/3	1286	1286	-	-	-	5.6	5.2	-	10.8	30.2	36.1	5.2	41.2
2/1	178	178	-	-	-	1.2	0.3	-	1.5	30.3	4.0	0.3	4.2
2/2+2/3	833	833	-	-	-	7.3	5.0	-	12.3	53.0	15.5	5.0	20.4
3/1+3/2	347	347	-	-	-	2.0	0.4	-	2.4	24.5	5.5	0.4	5.8
4/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
5/1	689	689	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
5/2	417	417	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
6/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
6/2	986	986	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
7/1	552	552	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
8/1	0	0	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
C1			PRC for Signalled Lanes (%):	-2.1	Total Delay for Signalled Lanes (pcuHr):			26.91	Cycle Time (s): 270				
			PRC Over All Lanes (%):	-2.1	Total Delay Over All Lanes(pcuHr):			26.91					



Colour-coding by SEVERITY
Total Accidents (79)

- ★ Fatal (0)
- Serious (18)
- ▼ Slight (61)

Dates searched between
01/01/2017 and 30/11/2016

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ORIGINATOR
1181 - Paul McLaughlin

SCALE 1 : 10740

DATE 18/01/2017

DRAWN IN

DRAWN BY

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I00840112 12/01/2012 Time 1154 Vehicles 2 Casualties 2 Serious
 E: 563490 N: 188806 First Road: A 128 Road Type Single carriageway
 Speed limit: 60 Junction Detail: T & Stag Jct Give way or controlled Unclassified
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight: street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Poor turn or manoeuvre	Vehicle 1	Very Likely
2nd:	Failed to look properly	Vehicle 1	Very Likely
3rd:	Careless/Reckless/In a hurry	Vehicle 1	
4th:			
5th:			
6th:			

VEH 2 TRAVELLING FROM DIRECTION OF ORSETT TOWARDS BRENTWOOD WHEN JUST PASSING JUNCTION TO TILBURY ROAD, VEH 1 TURNED RIGHT INTO THE P/O/S OF VEH 2. VEH 1 TRAVELLING IN OPPOSITE DIRECTION TO VEH 2.

Occurred on A128 TILBURY ROAD 10 YRDS NORTH OF J/W TILBURY ROAD

Vehicle Reference 1 Van or Goods 3.5 tonnes mgw and under Turning right
 Vehicle movement from N to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jet Approach First impact Front Hit vehicle: 2
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 47 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 47 Male Driver/rider Severity: Serious
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from S to N No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Mid Junction - on roundabout or t First impact Nearside Hit vehicle: 1
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 73 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 2 Age: 73 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I01590112 18/01/2012 Time 1810 Vehicles 4 Casualties 2 Slight
 E: 562988 N: 189283 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Darkness: street lights present and lit Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to judge other persons path or speed	Vehicle 001	Very Likely
2nd:	Failed to look properly	Vehicle 001	Very Likely
3rd:	Sudden braking	Vehicle 001	
4th:			
5th:			
6th:			

V1, 2, 3 AND 4 TRAVELLING IN THE OUTSIDE LANE ALONG THE A127 TOWARDS GENERAL DIRECTION OF BASILDON. V2, 3, 3 HAVE STOPPED V1 FAILED TO BRAKE SUFFICIENTLY COLLIDING WITH V2 PUSHING IT INTO V3, V3 INTO V4

Occurred on A127 E/BOUND 150 YDS EAST OFF SLIP TO A128.

Vehicle Reference 1 Van or Goods 3.5 tonnes mgw and under Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway Skidded
 Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle: 002
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 41 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jct First impact Back Hit vehicle: 003
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 64 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 62 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Back seat

Casualty Reference: 2 Vehicle: 2 Age: 64 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference 3 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle: 004
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 48 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 4 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 55 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I04760212 15/02/2012 Time 0945 Vehicles 3 Casualties 1 Serious
 E: 564101 N: 189525 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Slip Road Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight: street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: Other object in carriageway
 Place accident reported: At scene DfT Special Projects:

	Factor:	Causation	Participant:	Confidence:
1st:				
2nd:				
3rd:				
4th:				
5th:				
6th:				

V3 HAD BROKEN DOWN AND HAD PULLED UP ONTO THE PAVEMENT TO THE NEARSIDE OF LANE1. BOTH OFFSIDE WHEELS WERE PARTIALLY IN LANE 1. V2 JOINED THE A127 TO SOUTHEND FROM A128 AND SLOWED TO AVOID V3. V1 HAS FAILED TO STOP IN TIME AND COLLIDED WITH THE REAR OF V2. NO CONTACT MADE WITH V3.

Occurred on A127 SOUTHEND BOUND BOTTOM OF ON SLIP J/W A128.

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering from slip road First impact Front Hit vehicle: 002
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 69 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 69 Female Driver/rider Severity: Serious
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering from slip road First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 68 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 3 Car Parked
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jet Approach First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Not traced
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I10150412 11/04/2012 Time 1630 Vehicles 2 Casualties 1 Slight
 E: 563814 N: 189387 First Road: A 128 Road Type 1
 Speed limit: 70 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight: street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 1	Very Likely
2nd:			
3rd:			
4th:			
5th:			
6th:			

VEH 2 ENTERED SLIP RD OFF A127 AT A128 JCT LONDON BOUND. WHILST STATIONARY AT GIVE WAY LINES FOR R/A. VEH 2 HAS BEEN STRUCK FROM BEHIND CAUSING VEH 2 TO BE PUSHED FORWARD. VEH 1 WAS THE OFFENDING VEH.

Occurred on OFF SLIP A127 LONDON BOUND AT A128 JCT

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from SE to NW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Front Hit vehicle: 2
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 71 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from SE to NW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 55 Female
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 55 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I11700412 15/04/2012 Time 1235 Vehicles 2 Casualties 2 Slight
 E: 563149 N: 189306 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Pri Drive Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight: street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 1	Possible	
2nd: Failed to look properly	Vehicle 2	Very Likely	
3rd:			
4th:			
5th:			
6th:			

VEH 1 HAS BEEN IN LANE 2 OF THE A127 VEH HAS STARTED TO PULL INTO LANE 1 OF A127, VEH 2 HAS BEEN AT A JUNCTION OF A127 AND HAS PULLED OUT INTO LANE 1 A127 AS VEH 1 HAS PULLED INTO LANE 1. VEH 2 HAS PULLED INTO LANE 1 FROM JUNCTION. VEH 2 HAS HIT VEH 1 ON FRONT NEARSIDE.

Occurred on A127 LONDON BOUND 300 MTRS PAST A128

Vehicle Reference 1 Car Changing lane to left
 Vehicle movement from N to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Nearside Hit vehicle: 2
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 32 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 53 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Vehicle Reference 2 Car Starting
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering main road First impact Front Hit vehicle: 1
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 34 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 2 Age: 26 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Back seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I13750512 11/05/2012 Time 1210 Vehicles 1 Casualties 1 Serious
 E: 562771 N: 189251 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight:street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Other	Vehicle 001	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			
Other Cause: MECHANICAL L BREAKDOWN CAUSING COLLISION.	Precipitating Factor:		

VI TRAVELLING ALONG A127 TOWARDS SOUTHEND IN LANE 1 OF 2. VI HAS BEGAN TO LOOSE CONTROL AND FALLEN TO THE GROUND SUSPECTED TYRE PUNCTURE OF REAR WHEEL, MECHANICAL BREAKDOWN.

Occurred on A127 TOWARDS SOUTHEND 0.5 MILES PRIOR TO J/W A128.

Vehicle Reference 1 Motor Cycle over 125 cc and up to 500cc Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Nearside Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 45 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 45 Male Driver/rider Severity: Serious
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I15930512 30/05/2012 Time 0735 Vehicles 2 Casualties 1 Slight
 E: 563741 N: 189338 First Road: A 128 Road Type 1
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight: street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

	Factor:	Causation	Participant:	Confidence:
1st:	Failed to judge other persons path or speed		Vehicle 1	Possible
2nd:				
3rd:				
4th:				
5th:				
6th:				

VEH 2 WAS STATIONARY AT THE RAB FACING NORTH, VEH 2 COLLIDED WITH THE REAR OF VEH 1.

Occurred on TILBURY ROAD J/W ARTERIAL ROAD

Vehicle Reference 1 Van or Goods 3.5 tonnes mgw and under Starting
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle: 2
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 56 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle: 1
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 44 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 44 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I20200612 26/06/2012 Time 2310 Vehicles 1 Casualties 1 Slight
 E: 563500 N: 188326 First Road: A 128 Road Type Single carriageway
 Speed limit: 50 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Darkness: no street lighting Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Defective steering or suspension	Vehicle 001	Very Likely	
2nd: Inexperienced or learner driver/rider	Vehicle 001	Very Likely	
3rd:			
4th:			
5th:			
6th:			

DRIVER OF V1 WAS DRIVING ALONG A128 ORSETT COCK TOWARDS BRENTWOOD AT ENTRANCE OF DUNTON GOLF COURSE, DRIVER HAS FELT THE STEERING GO, WAS NOT RESPONDING TO THEIR MOVEMENT, VEHICLE HAS STARTED TO VEER ACROSS ROAD. THEN HAS GONE ONTO LEFT SIDE VERGE AN D CRASHED INTO HIGHWAYS SIGN. NO OTHER VEHICLE INVOLVED.

Occurred on A128 OPPOSITE ENTRANCE TO DUNTON GOLF COURSE.

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway Skidded
 Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle:
 Hit object in road None Off road: Road sign / ATS
 Nearside Age of Driver 18 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 18 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I23350712 20/07/2012 Time 1624 Vehicles 2 Casualties 1 Slight
 E: 563849 N: 189422 First Road: A 127 Road Type Slip road
 Speed limit: 60 Junction Detail: Slip Road Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight: street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

VEH 2 TRAVELLING WEST ALONG A127 EXITS ONTO SLIP TOWARDS A128. VEH 2 STATIONARY IN LANE 1 OF 2 AT JCT OF SLIP RD AND A128 HALFWAY HOUSE. VEH 1 FOLLOWING VEH 2 STOPS BEHIND VEH 2 BEFORE MOVING OFF AND COLLIDING WITH REAR OF VEH 2.

Occurred on A127 OFFSLIP FROM WESTBOUND HALF WAY HOUSE R/A

Vehicle Reference 1 Car Stopping
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering main road First impact Front Hit vehicle: 2
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 27 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Car Stopping
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering main road First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 19 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 19 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I25800812 21/08/2012 Time 1130 Vehicles 2 Casualties 1 Slight
 E: 564246 N: 189544 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight: street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Sudden braking	Vehicle 1	Possible	
2nd: Failed to judge other persons path or speed	Vehicle 2	Possible	
3rd:			
4th:			
5th:			
6th:			

VEH 1 IS TRAVELLING EAST ALONG A127 ONSLIP FROM JUNCTION OF A128. VEH 2 IS TRAVELLING ALONG LANE 1 A127. VEH 2 SLOWED TO ALLOW THIS, IT IS ALLEDGED THAT VEH 1 BRAKED ONCE IN LANE 1 CAUSING VEH 2 TO COLLIDE WITH VEH 1.

Occurred on A127 TOWARDS BASILDON APPROX 470M EAST OF A128 JUNCTION

Vehicle Reference	1	Car	Going ahead other
Vehicle movement from	Park to Parked	No tow / articulation	
On main carriageway		No skidding, jack-knifing or overturning	
Location at impact	Not at, or within 20M of Jet	First impact	Back
Hit object in road	None	Off road:	None
Did not leave carr		Age of Driver	79
Not hit and run	Breath test	Negative	Female
Driver Postcode:	VRM:		
Casualty Reference:	1	Vehicle: 1	Age: 79 Female Driver/rider Severity: Slight
Not a pupil		Postcode	Seatbelt
Vehicle Reference	2	Car	Going ahead other
Vehicle movement from	Park to Parked	No tow / articulation	
On main carriageway		No skidding, jack-knifing or overturning	
Location at impact	Not at, or within 20M of Jet	First impact	Front
Hit object in road	None	Off road:	None
Did not leave carr		Age of Driver	45
Not hit and run	Breath test	Negative	Female
Driver Postcode:	VRM:		

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I25840812 22/08/2012 Time 1246 Vehicles 1 Casualties 2 Slight
 E: 564088 N: 189521 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight: street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: Other object in carriageway
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Deposit on road (eg oil, mud, chippings)	Vehicle 1	Very Likely	
2nd: Swerved	Vehicle 1	Possible	
3rd:			
4th:			
5th:			
6th:			

VEH 1 TRAVELLING SOUTHEND BOUND IN LANE 2. SWERVED TO AVOID A SHREDDED LORRY TYRE WHICH HAS BEEN LEFT IN THE CARRIAGEWAY. AS VEH 1 SWERVED TO AVOID DEBRIS, THEN DROVE OVER SHREDDED TYRE, CAUSING VEH 1 TO SPIN THEN COLLIDE WITH CENTRAL RESERVATION BARRIER. VEH 1 STOPPED BETWEEN LANE 1 AND 2 FACING OPPOSITE DIRECTION.

Occurred on A127 AT END OF ON SLIP FROM A128 RAB SOUTHEND BOUND

Vehicle Reference 1 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway Skidded
 Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle:
 Hit object in road Other object Off road: Cent crash barrier
 Did not leave carr Age of Driver 45 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1	Vehicle: 1	Age: 45	Female	Driver/rider	Severity: Slight
Not a pupil		Postcode		Seatbelt	
Casualty Reference: 2	Vehicle: 1	Age: 25	Female	Passenger	Severity: Slight
Not a pupil		Postcode		Seatbelt	
Front seat					

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I26700812 25/08/2012 Time 1155 Vehicles 2 Casualties 1 Slight
 E: 563346 N: 189387 First Road: A 127 Road Type 1
 Speed limit: 70 Junction Detail: Roundabout Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight: no street lighting Other
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Poor turn or manoeuvre	Vehicle 1	Very Likely	
2nd: Failed to look properly	Vehicle 1	Very Likely	
3rd: Failed to judge other persons path or speed	Vehicle 1	Very Likely	
4th: Following too close	Vehicle 1	Very Likely	
5th: Sudden braking	Vehicle 1	Very Likely	
6th: Careless/Reckless/In a hurry	Vehicle 1	Very Likely	

VEH 2 WAS IN RIGHT HAND LANE FROM THE A127 ON R/A STATIONARY. VEH 1 WAS BEHIND VEH 2 BUT DID NOT STOP IN TIME AND WENT INTO THE BACK OF VEH 2 CAUSING DAMAGE TO THE REAR. VEH 1 HAS THEN DRIVEN OFF.

Occurred on M25 R/A APPROACH FROM A127 GOING ONTO A128 ADJACENT TO HALFWAY HOUSE

Vehicle Reference 1 Van or Goods 3.5 tonnes mgw and under Going ahead but held up
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle: 2
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Male
 Hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 32 Female
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 35 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I29410912 16/09/2012 Time 2030 Vehicles 2 Casualties 1 Slight
 E: 563815 N: 189506 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Slip Road Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Darkness: street lights present and lit Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

	Factor:	Participant:	Confidence:
1st:	Careless/Reckless/In a hurry	Vehicle 1	Very Likely
2nd:			
3rd:			
4th:			
5th:			
6th:			

VEH 1 JOINED A127 SOUTHEND BOUND FROM A128. VEH 1 STRUCK VEH 2 ON THE REAR O/S WING OF VEH 2 THE N/S FRONT WHEEL CAME OFF. CAUSING VEH TO FLIP OVER.

Occurred on A127 J/W A128

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway Overturned
 Location at impact Entering from slip road First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 22 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 22 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Mid Junction - on roundabout or 1 First impact Offside Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 73 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I06010313 05/03/2013 Time 1707 Vehicles 2 Casualties 1 Slight
 E: 564135 N: 189500 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight: street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Dazzling sun	Vehicle 001	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

V1 TRAVELLING WEST ON A127 APPROACHING ON SLIP FOR A128. V2 TRAVELLING WEST ON A127 APPROACHING ONSLIP FOR A128. V2 SLOWED AND STOPPED DUE TO STATIONARY TRAFFIC IN FRONT. V1 FAILED TO STOP IN TIME AND COLLIDED WITH REAR V2.

Occurred on A127 J/W A128

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle: 002
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 32 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 27 Male Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 67 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I07020313 09/03/2013 Time 1240 Vehicles 2 Casualties 2 Slight
 E: 563300 N: 189360 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight: street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation		Participant:	Confidence:
Factor:			
1st:			
2nd:			
3rd:			
4th:			
5th:			
6th:			

V2 WAS TRAVELLING IN THE INSIDE LANE WHEN V1 HAS STOPPED SHARPLY IN FRONT OF V2 CAUSING V2 TO HIT V1 AT THE REAR. BOTH PARTIES EXCHANGED DETAILS. DRIVER OF V2 STATES PEOPLE TRAVELLING IN V1 STATED THEY WERE HURT BUT DID NOT WANT POLICE OR AMBULANCE CALLED.

Occurred on ARTERIAL A127 LONDON BOUND OPPOSITE HALF WAY PH BRENTWOOD.

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from S to N No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle: 002
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Not traced
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from S to N No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle: 001
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 47 Female
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 47 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Casualty Reference: 2 Vehicle: 2 Age: 22 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I06910313 16/03/2013 Time 2050 Vehicles 3 Casualties 2 Slight
 E: 562840 N: 189248 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Darkness: no street lighting Other
 Special Conditions at Site None Carriageway Hazards: Other object in carriageway
 Place accident reported: At scene DfT Special Projects:

	Factor:	Causation	Participant:	Confidence:
1st:				
2nd:				
3rd:				
4th:				
5th:				
6th:				

V2 PARKED IN LAYBY ON A127 (B-TRACK) FACING WEST. V1 IN LAYBY FACING WEST BEING WINCHED INTO REAR OF V2. V3 TRAVELLING ALONG A127 (B-TRACK) APPROACHING LAYBY TO N/SIDE. AS V3 NEARS LOCATION OF V2 WINCH CABLE BREAKS AND V1 ROLLS INTO PATH OF V3. V3 COLLIDES WITH V1.

Occurred on A127 (B TRACK) APPROX 400 METRES EAST J/W THORNDON AVENUE

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from SW to E No tow / articulation
 Leaving lay-by or hard shoulder No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Nearside Hit vehicle: 003
 Hit object in road Other object Off road: None
 Did not leave carr Age of Driver Not traced
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Other motor vehicle Parked
 Vehicle movement from Park to Parked No tow / articulation
 On lay-by or hard shoulder No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Not traced
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference 3 Car Going ahead other
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle: 001
 Hit object in road Other object Off road: None
 Did not leave carr Age of Driver 73 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 3 Age: 73 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt
 Casualty Reference: 2 Vehicle: 3 Age: 71 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I09230413 06/04/2013 Time 2036 Vehicles 2 Casualties 2 Slight
 E: 563810 N: 189382 First Road: A 128 Road Type 1
 Speed limit: 30 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Darkness: street lights present and lit Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 001	Very Likely
2nd:	Failed to judge other persons path or speed	Vehicle 001	Very Likely
3rd:			
4th:			
5th:			
6th:			

IT WOULD APPEAR THAT V2 WAS CAUSED TO STOP SUDDENLY WHILST NEGOTIATING THE ROUNDABOUT JUNCTION. V1 HAS APPLIED BRAKES BUT NOT BEEN ABLE TO STOP IN SUFFICIENT TIME AND COLLIDED INTO THE REAR OF V2. DETAILS WERE EXCHANGED AT SCENE BETWEEN BOTH PARTIES. V2 LEFT PRIOR TO POLICE ARRIVAL.

Occurred on A128 ROUNDABOUT JUNCTION WITH A127 (TOWARDS DUNTON)

Vehicle Reference 1 Car Going ahead right bend
 Vehicle movement from E to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle: 002
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 22 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 22 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Casualty Reference: 2 Vehicle: 1 Age: 21 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Vehicle Reference 2 Car Going ahead right bend
 Vehicle movement from E to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle: 001
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 27 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I10810413 27/04/2013 Time 1850 Vehicles 1 Casualties 1 Slight
 E: 563468 N: 188641 First Road: A 128 Road Type Single carriageway
 Speed limit: 50 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Daylight: street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 1	Possible	
2nd:			
3rd:			
4th:			
5th:			
6th:			

VEH 1 HAS VEERED INTO A TRAFFIC ISLAND KNOCKING DOWN TWO BOLLARDS AND A LAMP POST, DRIVER HAD SLIGHT INJURIES.

Occurred on A128 TILBURY ROAD OUTSIDE NO. 4 DUNTON HILLS COTTAGES

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from SW to NE No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road Bollard / Refuge Off road: None
 Did not leave carr Age of Driver 84 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:
 Casualty Reference: 1 Vehicle: 1 Age: 84 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I10990413 27/04/2013 Time 1615 Vehicles 1 Casualties 1 Serious
 E: 563479 N: 188718 First Road: A 128 Road Type Single carriageway
 Speed limit: 50 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight:street lights present Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
	Factor:	Participant:	Confidence:
1st:	Swerved	Vehicle 001	Very Likely
2nd:	Loss of control	Vehicle 001	Very Likely
3rd:	Distraction in vehicle	Vehicle 001	Very Likely
4th:	Nervous/Uncertain/Panic	Vehicle 001	Very Likely
5th:			
6th:			

VI TRAVELLING SOUTH ON THE A128 FROM A127 TOWARDS A13. DRIVER JUMPS FORM VEHICLE DUE TO A FIRE WITHIN CAUSING SERIOUS LEG INJURY. VEHICLE COMES TO REST AGAINST A TREE.

Occurred on A128 TILBURY ROAD 200 YARDS FROM JUNCTION WITH STATION ROAD.

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from N to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Nearside Hit vehicle:
 Hit object in road None Off road: None
 Nearside Age of Driver 38 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:
 Casualty Reference: 1 Vehicle: 1 Age: 38 Male Driver/rider Severity: Serious
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I12410513 07/05/2013 Time 1626 Vehicles 2 Casualties 1 Slight
 E: 563226 N: 189348 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Other Give way or controlled A 128
 Crossing: Control School crossing pat Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 001	Very Likely
2nd:	Careless/Reckless/In a hurry	Vehicle 001	Very Likely
3rd:			
4th:			
5th:			
6th:			

V1 WHILST TRAVELLING EASTBOUND ON THE A127 IN LANE 2 CHANGES LANE ENTERING L1 AND IS IN COLLISION WITH V2 SIMILARLY TRAVELLING IN AN EASTBOUND DIRECTION ON A127.

Occurred on A127 DUAL CARRIAGEWAY 15 METRES WEST OF JUNCTION WITH A128 BASILDON.

Vehicle Reference 1 Goods 7.5 tonnes mgw and over Changing lane to left
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Mid Junction - on roundabout or 1 First impact Nearside Hit vehicle: 002
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 39 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Mid Junction - on roundabout or 1 First impact Offside Hit vehicle: 001
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 83 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 83 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I17950613 21/06/2013 Time 0930 Vehicles 2 Casualties 1 Slight
 E: 563810 N: 189378 First Road: A 127 Road Type 1
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 001	Very Likely
2nd:	Careless/Reckless/In a hurry	Vehicle 001	Very Likely
3rd:			
4th:			
5th:			
6th:			

VEH 2 WAITING AT THE TOP OF THE SLIP ROAD WAITING TO JOIN RAB. VEH 1 APPROACHING IN THE SAME DIRECTION BEHIND VEH 2. VEH 1 HAS THEN COLLIDED AT LOW SPEED WITH THE REAR OF VEH 2.

Occurred on WEST BOUND A127 OFFSLIP AT THE HALFWAY HOUSE ROUNDABOUT

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 53 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from Park to Parked No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 46 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 19 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I21260713 18/07/2013 Time 0800 Vehicles 2 Casualties 1 Slight
 E: 563810 N: 189380 First Road: A 127 Road Type 1
 Speed limit: 70 Junction Detail: Roundabout Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

	Factor:	Causation	Participant:	Confidence:
1st:				
2nd:				
3rd:				
4th:				
5th:				
6th:				

VEH 2 WAS ON OFFSLIP FROM A127 LONDON BOUND ON TO A128 RAB. VEH 2 WAS STATIONARY WAITING TO ENTER THE RAB WHEN VEH 1 CAME UP FROM BEHIND AND COLLIDED WITH THE REAR OF VEH 2.

Occurred on A127 OFF SLIP JCT ONTO A128 RAB

Vehicle Reference 1 Car Going ahead but held up
 Vehicle movement from S to N No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from S to N No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 25 Female
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 25 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I22680813 01/08/2013 Time 0658 Vehicles 2 Casualties 1 Slight
 E: 563162 N: 189310 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Slip Road Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to judge other persons path or speed	Vehicle 001	Very Likely	
2nd: Following too close	Vehicle 001	Possible	
3rd: Careless/Reckless/In a hurry	Vehicle 001		
4th:			
5th:			
6th:			

V2 TRAVELLING LANE 2 OF 2. V1 TRAVELLING LANE 2 OF 2 FOLLOWING V2. V2 SLOWS/STOPS DUE TO HEAVY TRAFFIC. V1 COLLIDES REAR OF V2.

Occurred on A127 (WESTBOUND) 200 METRES WEST OF A128.

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Mid Junction - on roundabout or 1 First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 25 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 25 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Van or Goods 3.5 tonnes mgw and under Going ahead other
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Mid Junction - on roundabout or 1 First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 32 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I25080813 28/08/2013 Time 0853 Vehicles 2 Casualties 1 Slight
 E: 563810 N: 189384 First Road: A 127 Road Type 1
 Speed limit: 70 Junction Detail: Roundabout Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

	Factor:	Causation	Participant:	Confidence:
1st:				
2nd:				
3rd:				
4th:				
5th:				
6th:				

VEH 1 TRAVELLING WEST ON OFF SLIP APPROACHING RAB. VEH 2 PULLED AWAY TO ENTER RAB AND THEN STOPPED. VEH 1 HIT VEH 2 FROM BEHIND AT SLOW SPEED.

Occurred on A127 OFF SLIP TO RAB J/W A128

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 45 Female
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 66 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 57 Male Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I27830913 12/09/2013 Time 1948 Vehicles 1 Casualties 1 Serious
 E: 563509 N: 188294 First Road: A 128 Road Type Single carriageway
 Speed limit: 50 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Darkness: street lights present and lit Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Careless/Reckless/In a hurry	Vehicle 001	Possible	
2nd: Illness or disability, mental or physical	Vehicle 001	Possible	
3rd: Distraction outside vehicle	Vehicle 001		
4th:			
5th:			
6th:			

V1 TRAVELLING SOUTH ALONG TILBURY ROAD APPROACHING TRAFFIC ISLANDS. DRIVER OF V1 LOSES CONTROL OF VEHICLE AND O/SIDE FRONT WHEEL COLLIDES WITH CONCRETE PLINTH ON TRAFFIC ISLAND. V1 OVERTURNS AND COLLIDES WITH ILLUMINATED SIGN POST, UPROUTING IT AND VEHICLE COMES TO REST ON ROOF IN CARRAIGEWAY.

Occurred on TILBURY ROAD APPROX 200 METRES SOUTH J/W STATION ROAD.

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway Overturned
 Location at impact Not at, or within 20M of Jet First impact Offside Hit vehicle:
 Hit object in road Bollard / Refuge Off road: None
 Did not leave carr Age of Driver 63 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:
 Casualty Reference: 1 Vehicle: 1 Age: 63 Female Driver/rider Severity: Serious
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I35701113 05/11/2013 Time 1600 Vehicles 2 Casualties 1 Slight
 E: 563756 N: 189539 First Road: A 128 Road Type 1
 Speed limit: 50 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

Factor:	Participant:	Confidence:
1st: Failed to judge other persons path or speed	Vehicle 001	Very Likely
2nd:		
3rd:		
4th:		
5th:		
6th:		

V2 STOPPED AT ROUNDABOUT THEN STARTED TO GO BUT THEN STOPPED, V1 SAW V2 MOVE OFF SO ALSO WENT TO MOVE AND THEN HIT V2 AT BACK.

Occurred on A128 J/W A127

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from N to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 45 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from N to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 45 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 45 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I35651113 12/11/2013 Time 0953 Vehicles 2 Casualties 1 Slight
 E: 563890 N: 189435 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Daylight Fine without high winds
 Special Conditions at Site Automatic traffic signal out Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Sudden braking	Vehicle 1	Very Likely	
2nd: Inexperience with type of vehicle	Vehicle 1	Possible	
3rd: Nervous/Uncertain/Panic	Vehicle 1		
4th:			
5th:			
6th:			

VEH 1 HAS COME TO ALMOST A COMPLETE STOP IN LANE 2 SOUTHEND BOUND ON THE A127. VEH 1 HAS THEN ATTEMPTED TO CROSS LANE 1 TO ENTER A LAY BY AND VEH 2 HAS COLLIDED WITH THE REAR OF VEH 1 IN THE PROCESS.

Occurred on A127 SOUTHEND BOUND 100M FROM THE J/W THE A128

Vehicle Reference 1 Car Starting
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 26 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 26 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Car Starting
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 51 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I36931113 23/11/2013 Time 0045 Vehicles 1 Casualties 3 Slight
 E: 563747 N: 189542 First Road: A 128 Road Type 1
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Darkness: street lights present and lit Other
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

Factor:	Participant:	Confidence:
1st: Slippery road (due to weather)	Vehicle 001	Very Likely
2nd: Travelling too fast for conditions	Vehicle 001	Very Likely
3rd: Loss of control	Vehicle 001	Very Likely
4th: Inexperienced or learner driver/rider	Vehicle 001	Very Likely
5th: Careless/Reckless/In a hurry	Vehicle 001	Possible
6th: Aggressive driving	Vehicle 001	Possible

VI TRAVELLING SOUTH ON A128, APPROACHES ROUNDABOUT JUNCTION WITH A127 LOSS CONTROL AND ROLLS COMING TO REST IN VEGETATION ON ROUNDABOUT.

Occurred on A128 J/W A127

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from N to S No tow / articulation
 On main carriageway Skidded and overturned
 Location at impact Entering roundabout First impact Nearside Hit vehicle:
 Hit object in road None Off road: None
 Straight ahead at Jun Age of Driver 17 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 17 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Casualty Reference: 2 Vehicle: 1 Age: 15 Male Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Back seat

Casualty Reference: 3 Vehicle: 1 Age: 15 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Back seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I39721213 13/12/2013 Time 1740 Vehicles 2 Casualties 1 Slight
 E: 563754 N: 189532 First Road: A 128 Road Type 1
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Darkness: street lights present and lit Raining without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to judge other persons path or speed	Vehicle 1	Very Likely
2nd:	Failed to look properly	Vehicle 1	Possible
3rd:			
4th:			
5th:			
6th:			

VEH 2 STATIONARY AT RAB HAVING APPROACHED ALONG A128 FROM BRENTWOOD. VEH 1 APPROACHED RAB FROM SAME DIRECTION. VEH 1 LOOKED RIGHT AT RAB SAW GAP AND MOVED FORWARD. VEH 2 STILL STATIONARY AS VEH 1 WENT INTO REAR OF VEH 2.

Occurred on A128 J/W A127

Vehicle Reference 1 Car Starting
 Vehicle movement from N to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 24 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from N to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 42 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 18 Male Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I40251213 16/12/2013 Time 2001 Vehicles 1 Casualties 1 Slight
 E: 563897 N: 189435 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Slip Road Give way or controlled Unclassified
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Darkness: street lighting unknown Raining without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
	Factor:	Participant:	Confidence:
1st:	Loss of control	Vehicle 1	Very Likely
2nd:	Inexperienced or learner driver/rider	Vehicle 1	Very Likely
3rd:			
4th:			
5th:			
6th:			

VEH 1 STRUCK A SMALL POOL OF WATER, DRIVER OVER REACTED LOST CONTROL AND STRUCK THE NEARSIDE KERB. VEH ROLLED ONTO OFFSIDE STRIKING ROOF/OFFSIDE REAR PASSENGER AREA OF VEH ON KERB. 100 MTRS EAST OF SLIP ROAD TO A128.

Occurred on A127 UNDERNEATH JCT OF A128 SOUTHBOUND TRACK

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from E to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering from slip road First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 18 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 18 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I42121213 24/12/2013 Time 1234 Vehicles 2 Casualties 1 Slight
 E: 563805 N: 189384 First Road: A 127 Road Type Slip road
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Daylight Raining with high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to judge other persons path or speed	Vehicle 1	Very Likely	
2nd: Sudden braking	Vehicle 2	Possible	
3rd:			
4th:			
5th:			
6th:			

VEH 2 HAD COME UP THE SLIP ROAD ONTO THE RAB, PULLED OFF AND STALLED, VEH 1 THEN COLLIDED INTO THE REAR OF VEH 2 CAUSING RIGHT NECK PAIN.

Occurred on ON SLIP ONTO A128 RAB FROM A127

Vehicle Reference 1 Car Starting
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jet Approach First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 42 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 42 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jet Approach First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 72 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I04040214 06/02/2014 Time 0925 Vehicles 2 Casualties 1 Slight
 E: 563632 N: 189472 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Poor turn or manoeuvre	Vehicle 001	Very Likely	
2nd: Distraction in vehicle	Vehicle 001	Possible	
3rd:			
4th:			
5th:			
6th:			

VEHICLE 2 TRAVELLING IN LANE 1. VEHICLE 1 TRAVELLING IN LANE 2, VEERS ACROSS INTO LANE 1 AND COLLIDES WITH REAR OFFSIDE OF VEHICLE 2.

Occurred on SOUTHEND ARTERIAL ROAD, ROUNDABOUT AT JUNCTION WITH BRENTWOOD ROAD.

Vehicle Reference 1 Car Changing lane to left
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 32 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 32 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Van or Goods 3.5 tonnes mgw and under Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 57 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I05770214 14/02/2014 Time 0833 Vehicles 2 Casualties 1 Slight
 E: 563960 N: 189451 First Road: A 127 Road Type Slip road
 Speed limit: 70 Junction Detail: Roundabout Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Slippery road (due to weather)	Vehicle 001	Possible	
2nd: Following too close	Vehicle 001	Very Likely	
3rd: Failed to look properly	Vehicle 001	Very Likely	
4th: Failed to judge other persons path or speed	Vehicle 001	Very Likely	
5th:			
6th:			

VEHICLES 1 AND 2 TRAVELLING FROM GENERAL DIRECTION OF DUNTON TOWARDS LONDON. BOTH VEHICLES EXITED ON SLIP ROAD OFF A127 TOWARDS A128 ROUNDABOUT. VEHICLE 1 FAILED TO SLOW IN TIME AND COLLIDED WITH VEHICLE 2 CAUSING MINOR WHIPLASH. DETAILS EXCHANGED.

Occurred on EXIT SLIP FROM A127 ONTO A128 LONDON BOUND.

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 22 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 55 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 55 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I12390414 12/04/2014 Time 1450 Vehicles 2 Casualties 1 Slight
 E: 563773 N: 189282 First Road: A 128 Road Type 1 A 127
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Illegal turn or direction of travel	Vehicle 001	Very Likely
2nd:	Swerved	Vehicle 001	Very Likely
3rd:	Loss of control	Vehicle 001	Possible
4th:	Careless/Reckless/In a hurry	Vehicle 001	Possible
5th:			
6th:			

V1 TRAVELLING NORTH ON A128 WEST HORNDON APPROACHING JUNCTION WITH A127. V1 HAS THEN SWERVED ACROSS THE ROAD ONTO THE OPPOSITE SIDE OF THE CARRIAGEWAY, TRAVELLING ON THE WRONG SIDE, HEAD ON TO TRAFFIC. V2 UPON EXITING THE ROUNDABOUT SWERVED TO AVOID V1 COLLIDING INTO THE OFFSIDE OF V2 EJECTING DRIVER AND PILLION PASSENGER OF V2.

Occurred on A128 15 METRES SOUTH OF J/W A127 WEST HORNDON.

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from S to N No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Offside Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 67 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Motorcycle over 500cc Going ahead other
 Vehicle movement from N to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Leaving roundabout First impact Nearside Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 50 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 47 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Not car passenger

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I12140414 15/04/2014 Time 1122 Vehicles 2 Casualties 4 Slight
 E: 563811 N: 189385 First Road: A 127 Road Type 1 A 128
 Speed limit: 70 Junction Detail: Roundabout Give way or controlled
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Careless/Reckless/In a hurry	Vehicle 001	Possible	
2nd: Failed to look properly	Vehicle 001	Very Likely	
3rd: Failed to judge other persons path or speed	Vehicle 001		
4th:			
5th:			
6th:			

V2 STATIONARY AT THE JUNCTION WHEN IT WAS STRUCK FROM BEHIND BY V1.

Occurred on A127 AT THE J/W A128 LONDON BOUND OFF SLIP.

Vehicle Reference 1 Car Going ahead but held up
 Vehicle movement from SW to NE No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 32 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference 2 Car Going ahead right bend
 Vehicle movement from SW to NE No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 65 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1	Vehicle: 2	Age: 65	Male	Driver/rider	Severity: Slight
Not a pupil		Postcode		Seatbelt	
Casualty Reference: 2	Vehicle: 2	Age: 62	Female	Passenger	Severity: Slight
Not a pupil		Postcode		Seatbelt	
Front seat					
Casualty Reference: 3	Vehicle: 2	Age: 8	Female	Passenger	Severity: Slight
Not a pupil		Postcode		Seatbelt	
Back seat					
Casualty Reference: 4	Vehicle: 2	Age: 5	Female	Passenger	Severity: Slight
Not a pupil		Postcode		Seatbelt	
Back seat					

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I12770414 21/04/2014 Time 1145 Vehicles 1 Casualties 1 Serious
 E: 562899 N: 189279 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 1	Very Likely	
2nd: Failed to judge other persons path or speed	Vehicle 1	Very Likely	
3rd: Sudden braking	Vehicle 1		
4th:			
5th:			
6th:			

VEH 1 IS TRAVELLING ALONG THE SOUTHEND BOUND CARRIAGEWAY TRAFFIC IS SLOWING IN LANE 2.
 VEH 1 FAILS TO ANTICIPATE THIS AND BRAKED TO LATE ATTEMPTED TO SWERVE AROUND TRAFFIC
 AND FALLEN TO THE GROUND.

Occurred on A127 BRENTWOOD SOUTHEND BOUND CARRIAGEWAY 500 YRDS PRIOR TO HALFWAY HOUSE

Vehicle Reference 1 Motorcycle over 500cc Going ahead other
 Vehicle movement from SW to NE No tow / articulation
 On main carriageway Skidded
 Location at impact Not at, or within 20M of Jet First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 68 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 28 Female Passenger Severity: Serious
 Not a pupil Postcode Seatbelt
 Not car passenger

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I13420414 27/04/2014 Time 1509 Vehicles 1 Casualties 1 Serious
 E: 563310 N: 189333 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Defective steering or suspension	Vehicle 1	Possible	
2nd: Loss of control	Vehicle 1	Possible	
3rd: Distraction in vehicle	Vehicle 1		
4th:			
5th:			
6th:			

VEH 1 WAS TRAVELLING WEST BOUND ALONG THE A127, IN LANE 2 OF 2 FOR AN UNKNOWN REASON
 VEH 1 HAS SUDDENLY VEERED LEFT ACROSS LANE 1, ACROSS NEAR SIDE VERGE, ACROSS ONSLIP
 COMING TO A HALT ON NEAR SIDE EMBANKMENT.

Occurred on LONDON BOUND A127 APPROX 400 MTRS WEST OF A128 JCT

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from E to W No tow / articulation
 On main carriageway Skidded and overturned
 Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle:
 Hit object in road None Off road: Road sign / ATS
 Nearside Age of Driver 20 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 20 Female Driver/rider Severity: Serious
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I18770614 10/06/2014 Time 0722 Vehicles 1 Casualties 1 Serious
 E: 563828 N: 189405 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
	Factor:	Participant:	Confidence:
1st:	Sudden braking	Vehicle 1	Very Likely
2nd:	Inexperience with type of vehicle	Vehicle 1	Possible
3rd:			
4th:			
5th:			
6th:			

VEH 1 HAS BRAKED HARD DUE TO TRAFFIC IN FRONT OF HIM STOPPING. VEH 1 IS A MOTORCYCLE AND HAS APPLIED TOO MUCH FORCE TO HIS REAR BRAKE CAUSING THE REAR WHEEL TO LOCK UP WHEREBY HE THEN LOST CONTROL AND SLID DOWN THE CARRIAGEWAY 20 METERS. VEH 1 DID NOT COLLIDE WITH ANY OTHER VEHICLES.

Occurred on A127 LONDON BOUND 500 METERS PRIOR TO A128

Vehicle Reference 1 Motorcycle over 500cc Going ahead other
 Vehicle movement from NE to NW No tow / articulation
 On main carriageway Skidded
 Location at impact Not at, or within 20M of Junction First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carriage Age of Driver 50 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 50 Male Driver/rider Severity: Serious
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I20760614 29/06/2014 Time 1045 Vehicles 2 Casualties 2 Serious
 E: 563471 N: 188512 First Road: A 128 Road Type Single carriageway
 Speed limit: 50 Junction Detail: T & Stag Jct Give way or controlled Unclassified
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 1	Very Likely
2nd:	Failed to judge other persons path or speed	Vehicle 1	Very Likely
3rd:	Nervous/Uncertain/Panic	Vehicle 1	
4th:			
5th:			
6th:			

VEH 2 TRAVELLING ALONG A128 FROM CHADWELL ST MARY TOWARDS BRENTWOOD. VEH 1 WAS EMERGING FROM STATION ROAD TURNING RIGHT AND PULLED OUT INTO THE PATH OF VEH 2 CAUSING A COLLISION.

Occurred on A128 J/W STATION ROAD, WEST HORNDON

Vehicle Reference 1 Car Turning right
 Vehicle movement from S to N No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Mid Junction - on roundabout or 1 First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 88 Male
 Not hit and run Breath test Not applicable
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 88 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from SW to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 54 Female
 Not hit and run Breath test Not applicable
 Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 2 Age: 54 Female Driver/rider Severity: Serious
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I29860914 10/09/2014 Time 1030 Vehicles 2 Casualties 1 Serious
 E: 563680 N: 189504 First Road: B 184 Road Type 1
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 001	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

V2 TRAVELLING AROUND ROUNDABOUT ABOUT TO TAKE DUNTON ROAD. V1 TRAVELLING UP THE SLIP ROAD APPROACHING THE ROUNDABOUT. V1 CONTINUED ONTO THE ROUNDABOUT WITHOUT GIVING WAY TO THE RIGHT. RIDER OF VEHICLE FALLS FROM THE MACHINE AND COLLIDES WITH THE ROAD SURFACE.

Occurred on B148 WEST MAYNE ROUNDABOUT JUNCTION WITH A127 OFFSLIP NORTHBOUND, DUNTON

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from S to N No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 44 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Pedal Cycle Going ahead other
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 64 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 64 Male Driver/rider Severity: Serious
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

133141014 08/10/2014 Time 0915 Vehicles 2 Casualties 2 Slight
 E: 563730 N: 189443 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Daylight Raining without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Following too close	Vehicle 001	Very Likely	
2nd: Rain, sleet, snow, or fog	Vehicle 001	Possible	
3rd:			
4th:			
5th:			
6th:			

VEHICLE ONE AND TWO IN LANE TWO TRAVELLING EAST. VEHICLE TWO SLOWS AND VEHICLE ONE UNABLE TO SLOW IN TIME AND COLLIDES WITH REAR OF VEHICLE TWO.

Occurred on A127 UNDERNEATH JUNCTION OF A128 EASTBOUND

Vehicle Reference 1 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway Skidded
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 23 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 23 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 29 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 2 Age: 29 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

133741014 11/10/2014 Time 1606 Vehicles 2 Casualties 1 Slight
 E: 563967 N: 189513 First Road: A 127 Road Type Slip road
 Speed limit: 70 Junction Detail: Slip Road Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 001	Very Likely
2nd:	Sudden braking	Vehicle 002	Very Likely
3rd:	Failed to judge other persons path or speed	Vehicle 001	
4th:			
5th:			
6th:			

V1 AND V2 TRAVELLING DOWN THE ON SLIP TO THE A127 AT THE HALFWAY HOUSE (A128) TOWARDS SOUTHEND. V1 HAS COLLIDED WITH THE REAR OF V2.

Occurred on A128 BRENTWOOD ROAD ON SLIP TO A127.

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway Skidded
 Location at impact Jct Approach First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 35 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 26 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 25 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I40051114 26/11/2014 Time 1655 Vehicles 2 Casualties 2 Slight
 E: 563675 N: 189430 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Darkness: street lights present and lit Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Uncorrected, defective eyesight	Vehicle 001	Very Likely
2nd:			
3rd:			
4th:			
5th:			
6th:			

V1 AND V2 TRAVELLING EAST IN LANE 2 IN STOP START HEAVY TRAFFIC. V2 SLOWED TO STOP V1 DIDNT REACT TO V2 AND COLLIDED WITH REAR OF V2.

Occurred on A127 UNDER ROUNDABOUT J/W A128

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from SW to NE No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 55 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 55 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Van or Goods 3.5 tonnes mgw and under Stopping
 Vehicle movement from SW to NE No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 26 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 2 Age: 26 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I41921214 02/12/2014 Time 1715 Vehicles 2 Casualties 1 Slight
 E: 564027 N: 189471 First Road: A 127 Road Type Dual carriageway
 Speed limit: 60 Junction Detail: Slip Road Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Darkness: street lights present and lit Raining without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

	Factor:	Causation	Participant:	Confidence:
1st:	Failed to look properly		Vehicle 1	Possible
2nd:	Failed to judge other persons path or speed		Vehicle 1	Possible
3rd:				
4th:				
5th:				
6th:				

VEH 2 WAS TRAVELLING WFEST ON THE A127 APPROACHING THE A128 TURN OFF VEH 1 WAS TRAVELLING IN THE SAME DIRECTION IN THE FAST LANE VEH 2 TOOK THE SLIP ROAD

Occurred on A127 J/W A128

Vehicle Reference 1 Goods 7.5 tonnes mgw and over Turning left
 Vehicle movement from E to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Leaving main road First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Not traced
 Non-stop, not hit Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Car Turning left
 Vehicle movement from E to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Leaving main road First impact Did not impact Hit vehicle:
 Hit object in road None Off road: Entered ditch
 Nearside Age of Driver 53 Female
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 53 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I00210115 02/01/2015 Time 1149 Vehicles 2 Casualties 2 Slight
 E: 563811 N: 189381 First Road: A 127 Road Type 1
 Speed limit: 70 Junction Detail: Roundabout Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 001	Very Likely
2nd:	Careless/Reckless/In a hurry	Vehicle 001	Very Likely
3rd:			
4th:			
5th:			
6th:			

V2 TRAVELLING WEST ON 127 HAS STOPPED AT THE ROUNDABOUT WITH A128

Occurred on A127 LONDON BOUND OFFSLIP S/W A128 ROUNDABOUT

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from E to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 49 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 49 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Van or Goods 3.5 tonnes mgw and under Going ahead other
 Vehicle movement from E to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 52 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 2 Age: 52 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I04540115 29/01/2015 Time 0720 Vehicles 3 Casualties 1 Slight
 E: 564239 N: 189527 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 001	Very Likely	
2nd: Failed to judge other persons path or speed	Vehicle 001	Possible	
3rd:			
4th:			
5th:			
6th:			

VI HAS FAILED TO NOTICE SLOWING TRAFFIC AHEAD OF HIM IN LANE TWO OF TWO AND COLLIDED INTO THE REAR OF V2, PUSHING THAT INTO V3.

Occurred on A127, B TRACK 150METRES E OF J/W A128

Vehicle Reference 1 Car Stopping
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 47 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 47 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Car Stopping
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 19 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 3 Car Stopping
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 31 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I02950215 08/02/2015 Time 1210 Vehicles 2 Casualties 1 Slight
 E: 563807 N: 189385 First Road: A 128 Road Type 1
 Speed limit: 70 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 001	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

V1 APPROACHING ROUNDABOUT IN LANE 1 OF SLIPROAD FROM A127 WESTBOUND COLLIDES WITH REAR OF V2 WHICH WAS STATIONARY WAITING TO JOIN ROUNDABOUT.

Occurred on A128 HALFWAY HOUSE ROUNDABOUT JUNCTION SLIP ROAD FROM WESTBOUND A127

Vehicle Reference 1 Car Starting
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 28 Female
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 28 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 60 Female
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I07310315 04/03/2015 Time 0353 Vehicles 2 Casualties 1 Slight
 E: 563330 N: 189367 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Darkness: street lights present and lit Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 001	Very Likely
2nd:	Poor turn or manoeuvre	Vehicle 001	Very Likely
3rd:	Careless/Reckless/In a hurry	Vehicle 001	
4th:			
5th:			
6th:			

V1 HAS CROSSED THE GRASS VERGE FROM THE A128 OFF SLIP ONTO THE A127. V2 TRAVELLING A127 SOUTHEND BOUND. V1 AND V2 COLLIDED.

Occurred on A127 SOUTHEND BOUND 100 YARDS AFTER A128 OFFSLIP

Vehicle Reference 1 Goods 7.5 tonnes mgw and over Going ahead other
 Vehicle movement from W to E Articulated
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Offside Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 57 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Van or Goods 3.5 tonnes mgw and under Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 58 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 58 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I08900315 24/03/2015 Time 1225 Vehicles 2 Casualties 1 Slight
 E: 563811 N: 189382 First Road: A 127 Road Type 1
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 002	Very Likely
2nd:	Failed to judge other persons path or speed	Vehicle 002	Very Likely
3rd:			
4th:			
5th:			
6th:			

VI STOPS AT THE RAB WAITING FOR A GAP IN THE TRAFFIC. V2 DOES NOT STOP AND GOES INTO THE REAR OF VI.

Occurred on RAB OVER THE A127 JUNCTION WITH A128

Vehicle Reference 1 Car Going ahead but held up
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Leaving roundabout First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 35 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 35 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 2 Van or Goods 3.5 tonnes mgw and under Going ahead but held up
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Leaving roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 59 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I15440515 19/05/2015 Time 0612 Vehicles 3 Casualties 1 Slight
 E: 563734 N: 189431 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 001	Very Likely
2nd:	Failed to judge other persons path or speed	Vehicle 001	Very Likely
3rd:	Distraction in vehicle	Vehicle 001	Very Likely
4th:	Careless/Reckless/In a hurry	Vehicle 001	Very Likely
5th:			
6th:			

V2 + V3 HEAD IN STATIC TRAFFIC ON A127 LONDON BOUND. V1 FAILED TO NOTICE STATIC TRAFFIC AND WAS DISTRACTED INSIDE TAXI TALKING WITH REAR PASSENGER BEHIND SAFETY SCREEN. V1 CHECKING MIRRORS AND FAILED TO LOOK AHEAD PROPERLY. V1 STRUCK REAR OF V2, WHICH PROJECTED FORWARD STRUCKING REAR OF V3. MINOR INJURY TO PASSENGER IN REAR OF V1. CONVEYED TO BDGN.

Occurred on A127 LONDON BOUND UNDER A128 JUNCTION (L2).

Vehicle Reference 1 Taxi/Private hire car Going ahead other
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 32 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:
 Casualty Reference: 1 Vehicle: 1 Age: 30 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Back seat

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jct First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 45 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 3 Car Going ahead but held up
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jct First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 49 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I16670615 03/06/2015 Time 2050 Vehicles 2 Casualties 1 Slight
 E: 564079 N: 189520 First Road: A 127 Road Type Slip road
 Speed limit: 70 Junction Detail: Slip Road Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Darkness: street lights present and lit Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Sudden braking	Vehicle 001	Very Likely
2nd:			
3rd:			
4th:			
5th:			
6th:			

V2 WAS FOLLOWING V1 ALONG ONSLIP TO A127 WHEN V1 BRAKED SUDDENLY FOR NO APPARENT REASON CAUSING V2 TO HAVE TO ATTEMPT EVASIVE ACTION BUT COLLIDING WITH REAR OF V1.

Occurred on A127 ONSLIP A128.

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Mid Junction - on roundabout or 1 First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Female
 Hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering from slip road First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 25 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 25 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I17200615 07/06/2015 Time 2120 Vehicles 1 Casualties 1 Slight
 E: 563674 N: 189479 First Road: A 128 Road Type 1
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Careless/Reckless/In a hurry	Vehicle 001	Very Likely	
2nd: Impaired by alcohol	Vehicle 001	Very Likely	
3rd:			
4th:			
5th:			
6th:			

V1 WAS TRAVELLING NORTH ON THE A128. WHILST NEGOTIATING THE ROUNDABOUT AT THE JUNCTION WITH THE A127, INTENDING TO CROSS THE ROUNDABOUT TO CONTINUE NORTH ON A128, V1 HAS LOST CONTROL CAUSING THE RIDER TO FALL OFF AND COLLIDE WITH THE KERB.

Occurred on A128 ON THE ROUNDABOUT JUNCTION WITH A127.

Vehicle Reference 1 Motor Cycle over 50 cc and up to 125cc Going ahead other
 Vehicle movement from S to N No tow / articulation
 On main carriageway Skidded
 Location at impact Mid Junction - on roundabout or 1 First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 22 Male
 Not hit and run Breath test Positive
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 22 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I19420615 17/06/2015 Time 0706 Vehicles 3 Casualties 1 Slight
 E: 563755 N: 189436 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to judge other persons path or speed	Vehicle 001	Very Likely	
2nd: Sudden braking	Vehicle 001	Very Likely	
3rd:			
4th:			
5th:			
6th:			

V1 AND V2 TRAVELLING IN LANE 2 OF THE A127 TOWARDS LONDON. V3 ALSO TRAVELLING THE SAME DIRECTION. V3 STOPPED, V1 COLLIDED WITH V2. V2 THEN COLLIDED WITH V3.

Occurred on A127 LONDON BOUND UNDER JUNCTION A128.

Vehicle Reference 1 Van or Goods 3.5 tonnes mgw and under Stopping
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 40 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Stopping
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 50 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 50 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Vehicle Reference 3 Goods 7.5 tonnes mgw and over Stopping
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 51 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I20640715 14/07/2015 Time 1725 Vehicles 2 Casualties 1 Serious
 E: 563722 N: 189350 First Road: A 128 Road Type 1
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Loss of control	Vehicle 001	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

V2 HAVING TRAVELLED NORTH ON THE A128 TILBURY ROAD REACHES THE ROUNDABOUT WITH THE A127 IN LANE 1 AND STOPS. V1 HAVING EXITED THE EAST BOUND TRACK OF THE A127, JOINS THE ROUNDABOUT AND TRAVEL ALL THE WAY ROUND INTENDING TO REJOIN THE WEST BOUND TRACK OF THE A127. AS V2 PASSES THE EXIT OF THE ROUNDABOUT > A128 TILBURY ROAD, THE TRAILER OF V1 TIPS OVER LANDING ON V2 AND CRASHING IT.

Occurred on A128 (HALFWAY HOUSE ROUNDABOUT) J/W A127 EXIT FROM TILBURY ROAD, EAST HORDON.

Vehicle Reference 1 Goods 7.5 tonnes mgw and over Going ahead right bend
 Vehicle movement from SW to NW No tow / articulation
 On main carriageway Overturned
 Location at impact Mid Junction - on roundabout or 1 First impact Nearside Hit vehicle:
 Hit object in road None Off road: Near / off crash barrier
 Nearside Age of Driver 55 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Offside Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr. Age of Driver 50 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 50 Male Driver/rider Severity: Serious
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I22940715 22/07/2015 Time 1038 Vehicles 2 Casualties 1 Slight
 E: 563721 N: 189572 First Road: A 128 Road Type Single carriageway
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site Road works Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

	Factor:	Causation	Participant:	Confidence:
1st:	Overloaded or poorly loaded vehicle or trailer		Vehicle 001	Very Likely
2nd:				
3rd:				
4th:				
5th:				
6th:				

VI HEADING TOWARDS ORSETT TRAILER BEING TOWED BY V1, BROKE LOOSE AND COLLIDED WITH V2.

Occurred on ORSETT ROUNDABOUT A128

Vehicle Reference 1 Van or Goods 3.5 tonnes mgw and under Going ahead other
 Vehicle movement from N to S Single trailer
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Leaving roundabout First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 48 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from S to N No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I30130915 06/09/2015 Time 1730 Vehicles 1 Casualties 1 Serious
 E: 563690 N: 189521 First Road: A 128 Road Type 1
 Speed limit: 40 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Poor turn or manoevre	Vehicle 001	Very Likely	
2nd: Impaired by alcohol	Vehicle 001	Possible	
3rd:			
4th:			
5th:			
6th:			

VI/PEDAL CYCLIST WAS RIDING AROUND ROUNDABOUT ON A128 ABOVE A127, VI HAS CHECKED OVER HIS SHOULDER FOR TRAFFIC. AS CYCLIST HAS LOOKED FORWARD CYCLE HAS CLIPPED KERB CAUSING CYCLIST TO FALL OFF CAUSING SERIOUS INJURIES.

Occurred on ROUNDABOUT A128 BRENTWOOD ROAD J/W A127.

Vehicle Reference 1 Pedal Cycle Going ahead other
 Vehicle movement from SW to NE No tow / articulation
 On main carriageway Skidded
 Location at impact Mid Junction - on roundabout or 1 First impact Nearside Hit vehicle:
 Hit object in road Kerb Off road: None
 Nearside Age of Driver 65 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 65 Male Driver/rider Severity: Serious
 Not a pupil Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I30170915 25/09/2015 Time 1737 Vehicles 3 Casualties 2 Slight
 E: 563790 N: 189456 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Travelling too fast for conditions	Vehicle 2	Very Likely
2nd:	Sudden braking	Vehicle 2	Possible
3rd:			
4th:			
5th:			
6th:			

A127 TO SOUTHEND, HEAVY TRAFFIC FLOW VEHICLES COME TO A STOP. THE FOLLOWING VAN (V2) DIDN'T STOP IN TIME AND COLLIDED WITH A VAUXHALL CORSA (V1) PUSHING HIM FORWARD INTO FORD SMAX (V3).

Occurred on A127 TO SOUTHEND, UNDER BRIDGE 110 A128

Vehicle Reference 1 Car Stopping
 Vehicle movement from SW to NE No tow / articulation
 On main carriageway Skidded
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 27 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 27 Male Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Casualty Reference: 2 Vehicle: 1 Age: 23 Male Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Vehicle Reference 2 Van or Goods 3.5 tonnes mgw and under Stopping
 Vehicle movement from SW to NE No tow / articulation
 On main carriageway Skidded
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 27 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference	3	Car	Stopping	
Vehicle movement from	SW	to NE	No tow / articulation	
On main carriageway			No skidding, jack-knifing or overturning	
Location at impact	Not at, or within 20M of Jct	First impact	Back	Hit vehicle:
Hit object in road	None	Off road:	None	
Did not leave carr		Age of Driver	54	Male
Not hit and run	Breath test	Negative		
Driver Postcode:	VRM:			

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

I30770915 26/09/2015 Time 0900 Vehicles 2 Casualties 3 Slight
 E: 563813 N: 189382 First Road: A 127 Road Type Dual carriageway
 Speed limit: 30 Junction Detail: Roundabout Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Sudden braking	Vehicle 1	Possible
2nd:			
3rd:			
4th:			
5th:			
6th:			

V2 STOPPED AT ROUNDABOUT GIVE - WAY ON SLIP ROAD FROM A127. V1 TRAVELLING BEHIND FROM A127 STRUCK REAR OF V2.

Occurred on A127 J/W A128

Vehicle Reference 1 Car Going ahead but held up
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 50 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 33 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Casualty Reference: 2 Vehicle: 1 Age: 32 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Back seat

Casualty Reference: 3 Vehicle: 1 Age: 31 Female Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Back seat

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Unknown
 Non-stop, not hit Breath test Driver not contacted
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

131581015 06/10/2015 Time 0910 Vehicles 2 Casualties 2 Slight
 E: 563674 N: 189503 First Road: A 127 Road Type 1 A 128
 Speed limit: 30 Junction Detail: Roundabout Give way or controlled
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 1	Very Likely
2nd:	Failed to judge other persons path or speed	Vehicle 1	Very Likely
3rd:	Sudden braking	Vehicle 1	
4th:			
5th:			
6th:			

V2 STATIONARY IN OUTSIDE LANE ON A127 SLIP ROAD J/W A128 AWAITING ON-COMING TRAFFIC. V1 HAS COLLIDED WITH REAR OF V2. V1 HAS STOPPED BRIEFLY TO ASSESS DAMAGE, THEN REQUESTED TO PULL OVER TO A SAFER LOCATION. V2 PULLED ONTO THORNDON PARK EAST AND V1 JUST CONTINUED ON HIS JOURNEY.

Occurred on A127 SLIP ROAD J/W A128, HALFWAY HOUSE ROUNDABOUT, BRENTWOOD.

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from W to NE No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Male
 Hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from W to NE No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 31 Female
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 31 Female Driver/rider Severity: Slight
 Not a pupil Postcode Seatbelt

Casualty Reference: 2 Vehicle: 2 Age: 19 Male Passenger Severity: Slight
 Not a pupil Postcode Seatbelt
 Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

1531778 09/11/2015 Time 1758 Vehicles 3 Casualties 1 Slight
 E: 563927 N: 189511 First Road: A 128 Road Type Slip road
 Speed limit: 70 Junction Detail: T & Stag Jct Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Darkness: street lights present but unlit Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 1	Very Likely
2nd:	Failed to judge other persons path or speed	Vehicle 1	Very Likely
3rd:			
4th:			
5th:			
6th:			

VEHICLE 1 HAS ENTERED ONTO THE SLIP ROAD FROM THE A128 HEADING DOWN TO THE A127. VEHICLES 2 AND 3 HAVE BEEN SLOWING DUE TO WEIGHT OF TRAFFIC ON THE SLIP ROAD. VEHICLE 1 HAS FAILED TO TO REACT TO THIS AND HAS COLLIDED WITH THE REAR OF VEHICLE 2 WHICH IN TURN HAS COLLIDED WITH THE REAR OF VEHICLE 3. DRIVER OF VEHICLE 1 WAS COMPLAINING OF CHEST PAINS AND WAS CONVEYED TO BASILDON HOSPITAL BY ARV UNITS AS NO AMBULANCE WAS AVAILABLE. DRIVER OF VEHICLE 1 HAS PREVIOUSLY SUFFERED 2 X HEART ATTACKS AND 2 X ST ROKES AND HAS ACCORDING TO HIS DAUGHTER THE EARLY ONSET OF DEMENTIA.

Occurred on A128 A128 100 METRES EAST OF JUNCTION WITH A127 A127

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from NW to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 78 Male
 Not hit and run Breath test Not applicable
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 78 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Vehicle Reference 2 Car Stopping
 Vehicle movement from NW to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 36 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference 3 Car Stopping
 Vehicle movement from NW to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jet Approach First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 46 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

1535336 11/12/2015 Time 1650 Vehicles 2 Casualties 1 Slight
 E: 563046 N: 189295 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Darkness: street lights present and lit Raining without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Sudden braking	Vehicle 2	Very Likely	
2nd: Sudden braking	Vehicle 1	Very Likely	
3rd:			
4th:			
5th:			
6th:			

VEHICLE 2 WAS TRAVELLING ALONG THE A127 AND HAS HAD TO COME TO AN ABRUPT HALT DUE TO TRAFFIC CONDITIONS VEHICLE 1 HAS NOT BRAKED IN TIME AND HAS COLLIDED WITH THE REAR OF VEHICLE 2

Occurred on A127 A127 200 METRES WEST OF JUNCTION WITH A128 A128

Vehicle Reference 1 Car Stopping
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 27 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Stopping
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 29 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 29 Female Driver/rider Severity: Slight
 Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

1536079 18/12/2015 Time 0800 Vehicles 2 Casualties 1 Slight
 E: 563743 N: 189432 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction Not applicable
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Following too close	Vehicle 1	Very Likely	
2nd: Careless/Reckless/In a hurry	Vehicle 1	Very Likely	
3rd:			
4th:			
5th:			
6th:			

VEH'S 1 & 2 BOTH TRAVELLING A127 HEADING IN GENERAL DIRECTION OF LONDON. VEH' 2 SLOWED TO A STOP DUE TO HEAVY TRAFFIC. VEH' 1 COLLIDED AT SLOW SPEED WITH REAR OF VEH' 2.

Occurred on SOUTHEND ARTERIAL ROAD A127 100 METRES WEST OF JUNCTION WITH A128

Vehicle Reference 1 Van or Goods 3.5 tonnes mgw and under Going ahead other
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 22 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Stopping
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 55 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 55 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

1639980 21/01/2016 Time 1030 Vehicles 5 Casualties 6 Slight
 E: 563230 N: 189347 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Slip Road Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Illegal turn or direction of travel	Vehicle 5	Very Likely	
2nd: Failed to look properly	Vehicle 1	Very Likely	
3rd:			
4th:			
5th:			
6th:			

UNKNOWN BMW TRAVELLING A127 SOUTHEND BOUND TRIED TO LEAVE A127 WHILST BEING IN LANE 2 DUE TO A HGV BLOCKING LANE 1 AND EXIT SLIP, UNKNOWN BMW STOPPED IN LANE 2 OPPOSITE EXIT SLIP A128. VEHICLE 2,3 AND 4 WHO WERE DIRECTLY BEHIND UNKNOWN BMW STOPPED IN LANE 2 HOWEVER VEHICLE 1 FAILED TO SEE THIS AND COLLIDED INTO THE REAR OF VEHICLE 4 CAUSING ALL VEHICLES TO COLLIDE. UNKNOWN BMW LEFT THE SCENE OF THE COLLISION.

Occurred on A127 A128

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway Skidded
 Location at impact Jct Approach First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Nearside Age of Driver 49 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 49 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Vehicle Reference 2 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 46 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 2 Age: 46 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference 3 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 61 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 3 Vehicle: 3 Age: 61 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Vehicle Reference 4 Car Going ahead but held up
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 75 Female
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 4 Vehicle: 4 Age: 75 Female Driver/rider Severity: Slight
 Postcode Seatbelt

Casualty Reference: 5 Vehicle: 4 Age: 80 Female Passenger Severity: Slight
 Postcode Seatbelt

Front seat

Casualty Reference: 6 Vehicle: 4 Age: 78 Female Passenger Severity: Slight
 Postcode Seatbelt

Back seat

Vehicle Reference 5 Car Going ahead but held up
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Not traced
 Non-stop, not hit Breath test Driver not contacted
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

1645948 19/02/2016 Time 1035 Vehicles 2 Casualties 2 Slight
 E: 563816 N: 189390 First Road: A 127 Road Type 1 A 128
 Speed limit: 70 Junction Detail: Roundabout Give way or controlled
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

VEHICLE 2 HAS STOPPED AT THE TOP OF THE A127 OFF SLIP B TRACK AT THE ENTRANCE TO THE ROUNDABOUT WITH THE A128. VEHICLE 1 HAS STOPPED BEHIND VEHICLE 2. VEHICLE 1 HAS THEN MOVED FORWARDS, BELIEVING THAT VEHICLE 2 WAS GOING TO ENTER THE ROUNDABOUT. VEHICLE 1 HAS DRIVEN INTO THE REAR OF VEHICLE 2.

Occurred on A127 A128

Vehicle Reference 1 Car Starting
 Vehicle movement from NE to SW Single trailer
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 29 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 56 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 56 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Casualty Reference: 2 Vehicle: 2 Age: 50 Female Passenger Severity: Slight
 Postcode Seatbelt
 Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

1647478 26/02/2016 Time 0930 Vehicles 2 Casualties 1 Slight
 E: 563815 N: 189387 First Road: A 127 Road Type 1
 Speed limit: 40 Junction Detail: Roundabout Give way or controlled A 128
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Careless/Reckless/In a hurry	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

BOTH VEHICLES HAD EXITED THE LONDON BOUND TRACK OF THE A127 AT THE JUNCTION WITH THE A128. VEHICLE TWO WAS IN FRONT AND WAITING AT THE ROUNDABOUT FOR A GAP IN THE TRAFFIC TO ENTER THE ROUNDABOUT. VEHICLE ONE HAS THEN COLLIDED WITH THE REAR OF VEHICLE TWO.

Occurred on SOUTHEND ARTERIAL ROAD A127 TILBURY ROAD A128

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 64 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 79 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 40 Female Passenger Severity: Slight
 Postcode Seatbelt
 Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

1650789 10/03/2016 Time 2050 Vehicles 3 Casualties 1 Slight
 E: 562776 N: 189239 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Darkness: street lights present and lit Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st:			
2nd:			
3rd:			
4th:			
5th:			
6th:			

VEHICLE TWO IS TRAVELLING ALONG THE A127 SOUTHEND ARTERIAL ROAD IN THE GENERAL DIRECTION OF LONDON WHILST ON LANE 2. VEHICLE ONE IS ON THE SAME ROAD WHILST ON LANE 1, FURTHER ALONG THE CARRIAGEWAY. VEHICLE THREE IS ON LANE 1 AHEAD OF VEHICLE ONE. VEHICLE ONE HAS PULLED OUT INTO LANE 2 IN ORDER TO GO AROUND VEHICLE THREE, HAVING PULLED OUT DIRECTLY INTO THE PATH OF VEHICLE TWO. VEHICLE TWO HAS THEN COLLIDED INTO THE REAR OF VEHICLE ONE. VEHICLE TWO ALSO COLLIDED INTO THE CENTRAL RESERVATION CRASH BARRIER. VEHICLE 3 CONTINUED ALONG THE CARRIAGEWAY AND DID NOT STOP AT THE SCENE.

Occurred on SOUTHEND ARTERIAL ROAD A127 800 METRES WEST OF JUNCTION WITH A128

Vehicle Reference 1 Car Changing lane to right
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 55 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: Cent crash barrier
 O/S onto cent res Age of Driver 26 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 26 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference	3	Car	Going ahead other	
Vehicle movement from	NE	to SW	No tow / articulation	
On main carriageway			No skidding, jack-knifing or overturning	
Location at impact	Not at, or within 20M of Jct	First impact	Did not impact	Hit vehicle:
Hit object in road	None	Off road:	None	
Did not leave carr			Age of Driver	Not traced
Not hit and run	Breath test	Driver not contacted		
Driver Postcode:	VRM:			

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

1652912 22/03/2016 Time 0754 Vehicles 7 Casualties 2 Serious
 E: 564327 N: 189540 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Careless/Reckless/In a hurry	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

BASED ON THE INFORMATION GATHERED FROM WITNESSES AT THE SCENE THE COLLISION OCCURRED WHEN V2 HAD STOPPED IN STOP/START TRAFFIC. V1 APPROACHED FROM BEHIND AND EITHER FAILED TO NOTICE OR FAILED TO TAKE SUFFICIENT ACTION IN ORDER TO STOP BEFORE SWERVING AT THE LAST MOMENT, COLLIDING WITH THE REAR LEFT OF V2. THE IMPACT FORCED V2 FORWARD INTO V3 AND TWISTED V2 90 DEGREES TO THE RIGHT FORCING IT IN TO THE BARRIER. V3 HAS THEN COLLIDED WITH V4 AS PART OF THE KNOCK ON EFFECT OF THE ORIGINAL COLLISION CAUSING VERY MINOR DAMAGE.

Occurred on A127 100 METRES EAST OF JUNCTION WITH A128

Vehicle Reference 1 Van or Goods 3.5 tonnes mgw and under Going ahead other
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 50 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead but held up
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: Cent crash barrier
 O/S onto cent res Age of Driver 37 Female
 Not hit and run Breath test Not applicable
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 37 Female Driver/rider Severity: Serious
 Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference 4 Car Going ahead but held up
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 24 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 4 Age: 24 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Vehicle Reference 5 Car Going ahead but held up
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 26 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 6 Car Going ahead but held up
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 46 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Vehicle Reference 7 Van or Goods 3.5 tonnes mgw and under Going ahead but held up
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Did not impact Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 57 Male
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Vehicle Reference 8 Car Going ahead but held up
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 24 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

1655869 06/04/2016 Time 1926 Vehicles 2 Casualties 1 Serious
 E: 563487 N: 188791 First Road: A 128 Road Type Single carriageway
 Speed limit: 50 Junction Detail: T & Stag Jct Give way or controlled Unclassified
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Poor turn or manoeuvre	Vehicle 1	Very Likely	
2nd: Careless/Reckless/In a hurry	Vehicle 1	Possible	
3rd:			
4th:			
5th:			
6th:			

VEHICLE 1 TRAVELLING EAST ALONG OLD TILBURY ROAD APPROACHING T JUNCTION WITH A128 TILBURY ROAD. VEHICLE 2 TRAVELLING SOUTH ALONG A128 TILBURY ROAD, APPROACHING JUNCTION WITH OLD TILBURY ROAD TO THE OFFSIDE. VEHICLE 1 TURNS LEFT ONTO A128 AND CROSSES IN TO THE PATH OF VEHICLE 2. FRONT OF VEHICLE 1 COLLIDES WITH FRONT OF VEHICLE 2.

Occurred on TILBURY ROAD A128 OLD TILBURY ROAD

Vehicle Reference 1 Car Turning right
 Vehicle movement from W to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Mid Junction - on roundabout or 1 First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 81 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 81 Male Driver/rider Severity: Serious
 Postcode Seatbelt

Vehicle Reference 2 Goods vehicle - unknown weight Going ahead other
 Vehicle movement from S to NE Articulated
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Mid Junction - on roundabout or 1 First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 45 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

1656570 08/04/2016 Time 1929 Vehicles 2 Casualties 1 Slight
 E: 563820 N: 189394 First Road: A 127 Road Type 1 A 128
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Darkness: street lights present and lit Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to judge other persons path or speed	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

VEHICLE 2 TRAVELLING FROM THE A127 TO THE A128 VEHICLE 1 TRAVELLING FROM THE A127 TO THE A128 VEHICLE 2 STOPS AT THE ROUND ABOUT. VEHICLE 1 DOES NOT STOP AND IS IN COLLISION WITH THE REAR OF VEHICLE 2. PASSENGER IN VEHICLE 2 IS SLIGHTLY INJURED.

Occurred on A127 J/W A128 A127 A128 A128

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from E to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 53 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Stopping
 Vehicle movement from E to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 63 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 65 Female Passenger Severity: Slight
 Postcode Seatbelt
 Back seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

1660921 23/04/2016 Time 1735 Vehicles 3 Casualties 2 Slight
 E: 564219 N: 189536 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Following too close	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

ALL THREE VEHICLES WERE TRAVELLING EAST ALONG THE A127 AT BRENTWOOD. VEHICLE THREE HAS SLOWED FOR TRAFFIC IN FRONT. THIS CAUSED VEHICLE TWO TO ALSO BRAKE. VEHICLE ONE HAS THEN COLLIDED WITH THE REAR OF VEHICLE TWO PUSHING VEHICLE TWO INTO VEHICLE THREE.

Occurred on A127 A127 200 METRES EAST OF JUNCTION WITH A128 A128

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 34 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 34 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 22 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 2 Age: 22 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference	3	Car	Going ahead other	
Vehicle movement from	W	to E	No tow / articulation	
On main carriageway			No skidding, jack-knifing or overturning	
Location at impact	Not at, or within 20M of Jct	First impact	Back	Hit vehicle:
Hit object in road	None	Off road:	None	
Did not leave carr		Age of Driver	29	Female
Not hit and run	Breath test	Negative		
Driver Postcode:	VRM:			

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

1664144 05/05/2016 Time 1420 Vehicles 4 Casualties 7 Serious
 E: 563540 N: 189407 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to judge other persons path or speed	Vehicle 1	Very Likely	
2nd: Travelling too fast for conditions	Vehicle 1	Very Likely	
3rd:			
4th:			
5th:			
6th:			

ALL VEHICLES ARE TRAVELLING ON THE A127 IN LANE 2 IN THE GENERAL DIRECTION OF SOUTHEND. VEHICLE 1 FAILS TO STOP IN TIME AND COLLIDES WITH THE REAR OF VEHICLE 2 CAUSING IT TO SPIN OUT INTO LANE 1. VEHICLE 1 THEN COLLIDES WITH THE REAR OF VEHICLE 3 WHICH THEN COLLIDES WITH THE REAR VEHICLE 4

Occurred on A127

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 43 Male
 Not hit and run Breath test Not applicable
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 43 Male Driver/rider Severity: Serious
 Postcode Seatbelt

Vehicle Reference 2 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 22 Female
 Not hit and run Breath test Not applicable
 Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 2 Age: 22 Female Driver/rider Severity: Slight
 Postcode Seatbelt

Casualty Reference: 3 Vehicle: 2 Age: 46 Male Passenger Severity: Serious
 Postcode Seatbelt

Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference 3 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 58 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 4 Vehicle: 3 Age: 58 Female Driver/rider Severity: Slight
 Postcode Seatbelt

Casualty Reference: 5 Vehicle: 3 Age: 57 Male Passenger Severity: Slight
 Postcode Seatbelt

Front seat

Casualty Reference: 6 Vehicle: 3 Age: 46 Female Passenger Severity: Slight
 Postcode Seatbelt

Back seat

Casualty Reference: 7 Vehicle: 3 Age: 26 Female Passenger Severity: Slight
 Postcode Seatbelt

Back seat

Vehicle Reference 4 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 34 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

16114424 04/09/2016 Time 0400 Vehicles 2 Casualties 2 Slight
 E: 563750 N: 189540 First Road: A 127 Road Type Single carriageway
 Speed limit: 60 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

DRIVING ON 127 AT HALF WAY HOUSE TOWARDS ROUNDABOUT ON TOWARDS 128 TILBURY, JUST WAITED FOR ONE CAR TO PASS THEN JUST PULLED OUT AND A CAR HIT ME FROM BEHIND. I COULD NOT STOP ON ROUNDABOUT AS STILL MOVING SO I WENT TO THE NEXT JUNCTION AND PULLED OVER I N A LAY BY. NO ONE CAME ROUND OR STOPPED.

Occurred on HALF WAY HOUSE ROUNDABOUT A127 HALF WAY HOUSE ROUNDABOUT A127

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from N to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver Not traced
 Hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from N to S No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 58 Female
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 58 Female Driver/rider Severity: Slight
 Postcode Seatbelt

Casualty Reference: 2 Vehicle: 2 Age: 49 Female Passenger Severity: Slight
 Postcode Seatbelt
 Front seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

16103658 08/09/2016 Time 1530 Vehicles 2 Casualties 1 Slight
 E: 563844 N: 189452 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

VEHICLE ONE HAS FAILED TO SEE VEHICLE TWO SLOWING AND COMING TO A STOP IN LANE TWO. VEHICLE ONE HAS COLLIDED INTO THE REAR OF VEHICLE TWO CAUSING MINOR INJURY TO THE DRIVER AND DAMAGE. MAJOR DISRUPTION CAUSED ON THE A127

Occurred on BASILDON A127

Vehicle Reference 1 Car Starting
 Vehicle movement from NE to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 37 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Stopping
 Vehicle movement from NE to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jct First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 50 Female
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 50 Female Driver/rider Severity: Slight
 Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

16119087 10/09/2016 Time 0910 Vehicles 2 Casualties 1 Slight
 E: 563278 N: 189341 First Road: A 127 Road Type Single carriageway
 Speed limit: 60 Junction Detail: Junction more than 4 arms Give way or controlled Unclassified
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Daylight Raining without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

POLICE CAME BUT MET POLICE CAD9118 10/09/2016 I WAS IN THE INSIDE LANE CAR CAME FROM BEHIND TO OVERTAKE HIT CENTRAL RESERVATION MAKING ALOT OF NOISE AND ALERTIN ME TO THE ISSUE HE HURTTLED TOWARDS US. I BRAKED AND PULLED LEFT TOWARD THE SIDE OF THE ROAD AND THE EMPTY ON ROAD. HE HIT US MID CAR AND BOUNCED OFF HIT FRONT OF CAR AND SPUN IN FRONT OF US I PULLED AROUND HIM AND PARKED AT ROADSIDE.

Occurred on BY HALFWAY HOUSE A127 TILBURY RD

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Offside Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 23 Male
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Jct Approach First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 43 Female
 Not hit and run Breath test Driver not contacted
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 43 Female Driver/rider Severity: Slight
 Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

16110280 17/09/2016 Time 1025 Vehicles 2 Casualties 1 Slight
 E: 563805 N: 189382 First Road: A 128 Road Type 1
 Speed limit: 70 Junction Detail: Roundabout Give way or controlled A 127
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to judge other persons path or speed	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

VEHICLE TWO WAS SLOWING DOWN APPROACHING ROUNDABOUT AT 128/A127. VEHICLE ONE WAS DIRECTLY BEHIND IT. VEHICLE ONE THOUGHT VEHICLE TWO HAD MOVED OFF AND SO MOVED OFF TOO AND COLLIDED WITH THE REAR OF VEHICLE TWO. BOTH PARTIES ARE FRIENDS TRAVELLING TOGETHER TO AN OUTDOOR ADVENTURE RACE.

Occurred on A128 ARTERIAL ROAD A127

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 51 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Entering roundabout First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 44 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 12 Female Passenger Severity: Slight
 Postcode Seatbelt
 Back seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

16122218 02/11/2016 Time 1750 Vehicles 3 Casualties 3 Slight
 E: 563929 N: 189511 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Darkness: no street lighting Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 1	Very Likely
2nd:	Failed to judge other persons path or speed	Vehicle 1	Very Likely
3rd:			
4th:			
5th:			
6th:			

V1, V2 AND V3 WERE TRAVELLING EAST ALONG THE A127 SOUTHEND BOUND ONSLIP (JUNCTION WITH A128). V3 HAS BRAKED TO A STOP DUE TO TRAFFIC AHEAD, AS DID V2. V1 DID NOT STOP IN SUFFICIENT TIME AND COLLIDED WITH REAR OF V2 WHICH WAS THEN SHUNTED INTO V3.

Occurred on A127 J/W A128 A127

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway Skidded
 Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 21 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 2 Car Stopping
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jct First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 31 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 31 Female Driver/rider Severity: Slight
 Postcode Seatbelt

Casualty Reference: 3 Vehicle: 2 Age: 8 Male Passenger Severity: Slight
 Postcode Seatbelt
 Back seat

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference 3 Car Stopping
Vehicle movement from W to E No tow / articulation
On main carriageway No skidding, jack-knifing or overturning
Location at impact Not at, or within 20M of Jct First impact Back Hit vehicle:
Hit object in road None Off road: None
Did not leave carr Age of Driver 40 Male
Not hit and run Breath test Negative
Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 3 Age: 40 Male Driver/rider Severity: Slight
Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

16128173 16/11/2016 Time 0205 Vehicles 5 Casualties 2 Serious
 E: 562914 N: 189279 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Failed to look properly	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

VEHICLE 1 AND VEHICLE 2 WERE BOTH TRAVELLING IN LANE 1 OF THE EAST BOUND CARRIAGEWAY OF THE A127 IN THE GENERAL DIRECTION OF SOUTHEND. VEHICLE 1 TRAVELLING BEHIND VEHICLE 2. VEHICLE 3 WAS STATIONARY IN A LAY-BY ADJACENT TO THE NEAR SIDE OF THE EAST BOUND CARRIAGEWAY. VEHICLES 4 AND VEHICLE 5 WERE BOTH TRAVELLING IN LANE 2 OF THE WEST BOUND CARRIAGEWAY TOWARDS LONDON. VEHICLE 4 TRAVELLING AHEAD OF VEHICLE 5. ON APPROACHING THE LAY-BY TO THE NEAR SIDE, VEHICLE 2 HAS SLOWED AND BEGAN PULLING INTO THE LAY

-BY. VEHICLE 1 DRIVER HAS SWERVED ACROSS THE CARRIAGEWAY IN AN ATTEMPT TO AVOID A COLLISION BUT HAS STRUCK THE REAR OF VEHICLE 2. THE IMPACT HAS FORCED VEHICLE 2 FORWARD AND IT HAS STRUCK THE REAR OF VEHICLE 3. VEHICLE 1 HAS THEN CONTINUED SWERVING AC

Occurred on A127 WEST OF JUNCTION WITH A128

Vehicle Reference 1 Goods 7.5 tonnes mgw and over Going ahead other
 Vehicle movement from W to E Articulated
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: Lamp post
 O/S cross cent res Age of Driver 48 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 48 Male Driver/rider Severity: Serious
 Postcode Seatbelt

Vehicle Reference 2 Goods 7.5 tonnes mgw and over Stopping
 Vehicle movement from W to E Articulated
 Entering lay-by or hard shoulder No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road Parked Vehicle Off road: None
 Did not leave carr Age of Driver 57 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference 3 Goods 7.5 tonnes mgw and over Parked
 Vehicle movement from Park to Parked Articulated
 On lay-by or hard shoulder No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Offside Hit vehicle:
 Hit object in road None Off road: None
 Nearside Age of Driver Not traced
 Not hit and run Breath test Not requested
 Driver Postcode: VRM:

Vehicle Reference 4 Car Going ahead other
 Vehicle movement from W to E No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 47 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Vehicle Reference 5 Van or Goods 3.5 tonnes mgw and under Going ahead other
 Vehicle movement from E to W No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Offside Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 33 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 2 Vehicle: 5 Age: 33 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

16132735 01/12/2016 Time 0745 Vehicles 2 Casualties 2 Serious
 E: 562863 N: 189255 First Road: A 127 Road Type Dual carriageway
 Speed limit: 70 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Dry
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: At scene DfT Special Projects:

Causation

	Factor:	Participant:	Confidence:
1st:	Following too close	Vehicle 1	Possible
2nd:	Careless/Reckless/In a hurry	Vehicle 1	Possible
3rd:			
4th:			
5th:			
6th:			

VEHICLE 1 TRAVELLING WEST ALONG A127, IN LANE 1, BEHIND VEHICLE 2. VEHICLE 2 BRAKES DUE TO TRAFFIC CONGESTION AHEAD. VEHICLE 1 SWERVES INTO LANE 2 AND THE FRONT NEARSIDE OF VEHICLE 1 COLLIDES WITH THE REAR OFFSIDE OF VEHICLE 2.

Occurred on MP-1028B SOUTHEND ARTERIAL ROAD A127 800 METRES WEST OF JUNCTION WITH A128

Vehicle Reference 1 Goods vehicle - unknown weight Changing lane to right
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 43 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 43 Male Driver/rider Severity: Slight
 Postcode Seatbelt

Casualty Reference: 2 Vehicle: 1 Age: 22 Male Passenger Severity: Serious
 Postcode Seatbelt

Not car passenger

Vehicle Reference 2 Goods vehicle - unknown weight Going ahead other
 Vehicle movement from NE to SW Articulated
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Back Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 42 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

16134171 05/12/2016 Time 1620 Vehicles 3 Casualties 1 Serious
 E: 563513 N: 188872 First Road: A 128 Road Type Single carriageway
 Speed limit: 60 Junction Detail: Not within 20m of junction
 Crossing: Control None Facilities: None within 50m Road surface Wet/Damp
 Daylight Fine without high winds
 Special Conditions at Site None Carriageway Hazards: None
 Place accident reported: Elsewhere DfT Special Projects:

Causation			
Factor:	Participant:	Confidence:	
1st: Impaired by alcohol	Vehicle 1	Very Likely	
2nd:			
3rd:			
4th:			
5th:			
6th:			

VEHICLE 1 TRAVELLING ALONG THE A128 FROM THE A127 IN THE DIRECTION OF THE A13. VEHICLES 2 AND 3 TRAVELLING ALONG THE A128 FROM THE A13 TOWARDS THE A127. VEHICLE 1 DRIFTS OUT OF ITS LANE AND STRIKES THE OFFSIDE OF VEHICLE 2, CAUSING VEHICLE 2 TO LOSE CONTROL DUE TO SEVERE DAMAGE SUSTAINED. VEHICLE 2 EXITS CARRIAGEWAY TO THE OFFSIDE AND ENDS UP, UPSIDE DOWN AGAINST A TREE. VEHICLE 1 CONTINUES ON AND IS INVOLVED IN A HEAD ON COLLISION WITH VEHICLE 2. VEHICLE 2 EXITS THE CARRIAGEWAY TO THE NEAR SIDE. VEHICLE 1 ENDS UP FACING THE A127. DRIVER OF VEHICLE 1 IS ASKED WHAT HAPPENED AND STATES THAT HE CANT REMEMBER. DRIVER OF VEHICLE 1 IS BELIEVED TO BE INTOXICATED AND PROVIDES A POSITIVE SAMPLE OF BREATH AT THE ROADSIDE REGISTERING A REA

Occurred on A128 A128 1250 METRES SOUTH OF JUNCTION WITH A127 A127

Vehicle Reference 1 Car Going ahead other
 Vehicle movement from NE to SW No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jet First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Did not leave carr Age of Driver 44 Male
 Not hit and run Breath test Positive
 Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 44 Male Driver/rider Severity: Serious
 Postcode Seatbelt

Vehicle Reference 2 Car Going ahead other
 Vehicle movement from SW to NE No tow / articulation
 On main carriageway Skidded and overturned
 Location at impact Not at, or within 20M of Jet First impact Offside Hit vehicle:
 Hit object in road None Off road: None
 O/S Age of Driver 48 Male
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents between dates 01/01/2012 and 31/12/2016 (60) months

Selection: Notes:

Selected using Pre-defined Query :

Vehicle Reference 3 Car Going ahead other
 Vehicle movement from SW to NE No tow / articulation
 On main carriageway No skidding, jack-knifing or overturning
 Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle:
 Hit object in road None Off road: None
 Nearside Age of Driver 41 Female
 Not hit and run Breath test Negative
 Driver Postcode: VRM:

Accidents involving:

	Fatal	Serious	Slight	Total
Motor vehicles only (excluding 2-wheels)	0	13	59	72
2-wheeled motor vehicles	0	3	2	5
Pedal cycles	0	2	0	2
Horses & other	0	0	0	0
Total	0	18	61	79

Casualties:

	Fatal	Serious	Slight	Total
Vehicle driver	0	12	62	74
Passenger	0	3	36	39
Motorcycle rider	0	2	1	3
Cyclist	0	2	0	2
Pedestrian	0	0	0	0
Other	0	0	0	0
Total	0	19	99	118