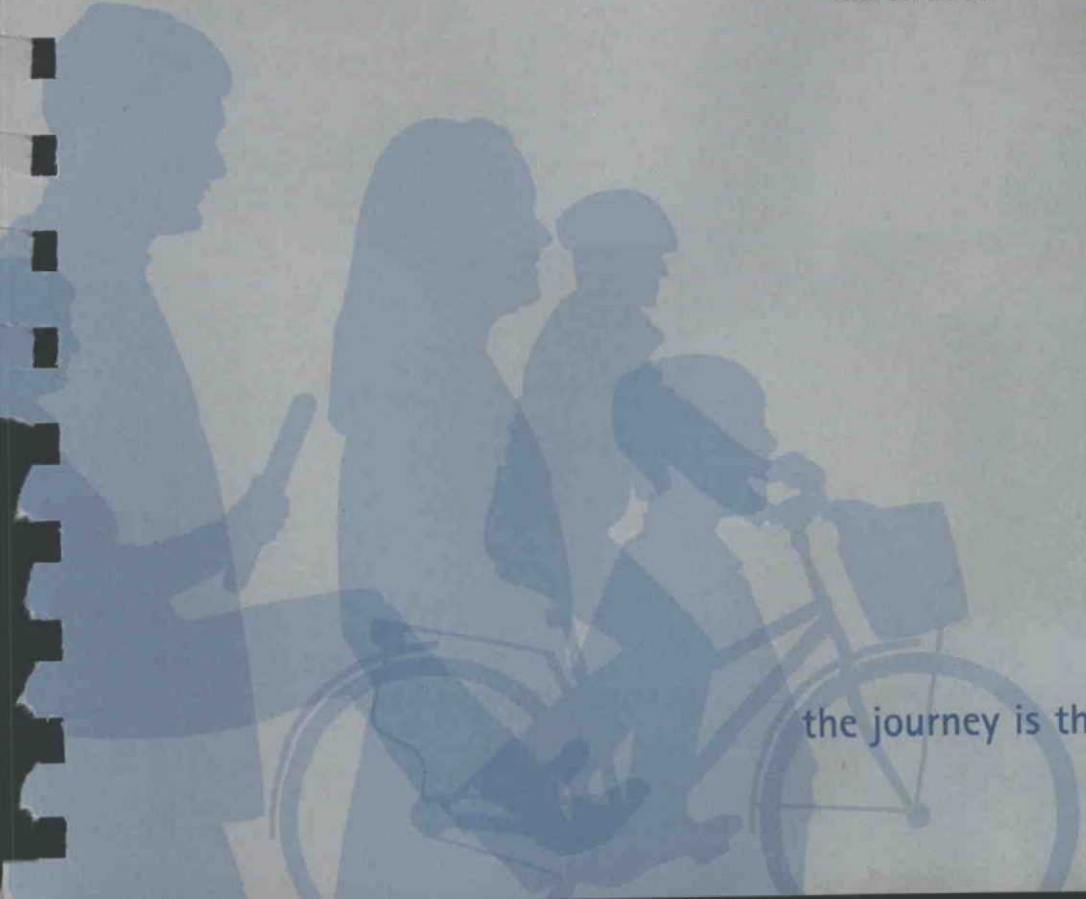
PROPOSED EMPLOYMENT DEVELOPMENT
26 DOLPHIN ROAD, SHOREHAM-BY-SEA

Transport Assessment

March 2007



the journey is the reward

PROPOSED EMPLOYMENT DEVELOPMENT
26 DOLPHIN ROAD, SHOREHAM-BY-SEA

Transport Assessment

March 2007

Project Code:	HARSHOREHAM
Prepared by:	CP
Position:	Principal Transport Planner
Approved by:	TB
Issue Date:	March 2007
Status:	Final

Mayer Brown Limited Albert House 111 Victoria Street Bristol BS1 6AX
Telephone 0117 925 1027 Fax 0117 925 1029 bristoloffice@mayerbrown.co.uk www.mayerbrown.co.uk

Proposed Employment Development
26 Dolphin Road, Shoreham-by-Sea

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1.0 INTRODUCTION

1.1 Mayer Brown Limited has been appointed by Hargreaves Management Limited to prepare a Transport Assessment in respect of a proposed employment development at 26 Dolphin Road, Shoreham-by-Sea.

1.2 The site is located adjacent to the junction of Dolphin Road with Dolphin Way. Dolphin Road serves residential and employment uses alongside the Brighton – Worthing railway line and Dolphin Way is a private access road. Plans showing the location of the site in a regional and local context are provided at Appendices 1 and 2 respectively.

1.3 Shoreham by Sea is one of several towns located along the south coast which form an almost continuous urban area between Littlehampton and Brighton. As a result, the group of towns have a critical mass which enables them to be well served by public transport. They are also well served by the A27 and A23 trunk roads. The A27 is an east-west route which follows the northern edge of Worthing and Brighton and provides a strategic highway connection to Portsmouth and Southampton. The A23 provides a north-south route connecting to London and beyond.

1.4 The development site has a total area of 0.46 hectares. The southern section of the site, adjacent to Dolphin Road, is currently occupied by an industrial building with a floor area of 1,381 sqm. The rest of the site is used for vehicle storage.

1.5 The proposals comprise the demolition of the existing building and the construction of ten B1/B2/B8 employment units with a combined gross floor area of 1,891 sqm., along with 52 car parking spaces and cycle parking. There are currently two crossover accesses to the site from Dolphin Road. Under the development proposals, one of these crossovers would be closed and just four of the parking spaces would be accessed via the other crossover on Dolphin Road. All other access to the site would be from Dolphin Way. The proposed layout of the site is shown on the plan provided at Appendix 3.

1.6 This report considers the transport related aspects of the development including non-car accessibility, car parking and traffic impact.

1.7 The remainder of this report is divided into the following sections:-

Section 2	Transport Context of the Site
Section 3	Car Parking and Servicing
Section 4	Traffic Assessment
Section 5	Summary and Conclusions

2.0 TRANSPORT CONTEXT OF THE SITE

Highway Context

2.1 Shoreham-by-Sea is well connected to the regional highway network, with the A27 trunk road passing the northern boundary of the town on an east-west axis, while the A259 follows the shoreline through Worthing, Hove and Brighton. The A283, which follows the bank of the River Adur, provides a north-south connection between the A27 and the A259.

2.2 The A23 intersects with the A27 approximately 10km to the east of Shoreham and provides a north-south connection between the A27 and the main UK road network to the north, including the M25 motorway.

2.3 To the east of the town centre, Eastern Avenue meets the A259 Brighton Road at a signal controlled junction. Eastern Avenue serves as a local distributor road and crosses the Worthing – Brighton railway line. Dolphin Road, which runs parallel to the railway, meets Eastern Avenue at a priority junction adjacent to the level crossing.

2.4 Dolphin Road serves a number of residential properties at its western end and employment uses further east.

Sustainable Access

2.5 The site is accessible by a range of non-car modes including foot, cycle and public transport.

Walk Accessibility

2.6 The footway network surrounding the site provides easy access to local residential catchment areas and connects the site to bus stops on Eastern Avenue and Brighton Road as well as Shoreham rail station on Ham Road.

2.7 There is a footway along the northern side of Dolphin Road between the site and Eastern Avenue, beyond which it connects to the local pedestrian network.

2.8 Paragraph 75 of PPG13 sets out that walking is a suitable mode of transport for journeys under 2km, including the last part of a journey by public transport. The plan included at Appendix 4 shows that a significant population lives within the walk catchment area of the site.

2.9 Therefore the site is well located for encouraging people to walk to work, including the last part of a journey by public transport.

Cycle Accessibility

2.10 The level topography of Shoreham and its surroundings between the South Downs and the coast is conducive to cycling throughout the urban area. Also, as the site is located within an urban area, cyclists can access the site along roads which generally have street lighting and are subject to a 30 mph speed limit. Therefore, cycling is probably the most important non-car travel mode for the proposed development and it is noteworthy that the site has excellent cycling credentials.

2.11 Cyclists would be able to access the site from Eastern Avenue along Dolphin Road. Paragraph 78 of PPG13 explains that cycling is a particularly suitable mode of transport to replace car trips for journeys under 5km. Topography can often be a barrier to cycling and, in this case, the topography to the north of Shoreham, in the form of the South Downs, is a natural barrier to movement. The plan at Appendix 5 shows a 5km radius from the site and a catchment area that is curtailed by the urban limits. The plan shows that a significant catchment population can access the site by cycle.

2.12 Adur District Council use West Sussex County Council's parking standards, as set out in Supplementary Planning Guidance which was adopted in November 2003. Of the three possible use classes of the units (B1, B2 and B8), B1 has the most rigorous cycle parking standard. This requires a minimum of one space per 150 sqm. of floor area to be provided for staff and one space per 500 sqm. for visitors. For a total floor area of 1,891 sqm., this equates to a minimum of 17 cycle parking spaces for the proposed development. The Applicant will therefore use this as a target figure for the provision of cycle parking. The cycle parking would be in the form of Sheffield stands situated adjacent to the front entrance of each unit. Therefore they would be in the most convenient and prominent location possible.

2.13 We conclude that the proposed cycle facilities and the convenient cycle access across Shoreham would encourage staff to cycle to work.

Bus Accessibility

2.14 Shoreham benefits from a comprehensive bus network that covers the towns of Brighton, Hove, Portslade, Southwick and Shoreham. Guidance[1] published by the Institute of Highways and Transportation recommends a maximum walk distance of 400 metres between travel generating land-uses and the nearest bus stops. Bus stops in both Eastern Avenue and Brighton Road are within this distance of the site.

[1] Planning for Public Transport in Developments, Institute of Highways and Transportation, 1999

2.15 The bus stops on Eastern Avenue are served by bus route 2/2A which connects the site with Brighton, Hove and Portslade, as well as much of Shoreham, with a 20 minute daytime headway. One bus per hour extends the route to Upper Beeding, Bramber and Steyning.

2.16 The bus stops on Brighton Road are served by the 'Coastliner' bus route which operates on a 10 minute daytime headway, Monday to Saturday, connecting towns along the south coast from Brighton to Littlehampton via South Lancing, Worthing, Goring and Rustington.

2.17 Full details of the bus services are provided at Appendix 6, including a plan showing the catchment area of the above frequent bus services.

Rail Accessibility

2.18 The Brighton to Portsmouth railway line serves numerous towns along the South Coast, including Shoreham. Shoreham rail station is served by a frequent rail service connecting the town with Worthing, Southwick, Portslade, Hove and Brighton.

2.19 Shoreham is only a 15 minute train journey from Brighton and is served by up to eight trains an hour. Full details of the services are provided at Appendix 7. The catchment area by rail is typically the area within 800m of the station, as shown on the plan provided at Appendix 7.

2.20 Shoreham rail station is located on Ham Road, approximately 800m to the west of the site. The walk route between the station and the site is along Ham Road and Eastern Avenue, across the level crossing and along Dolphin Road. This route is convenient for pedestrians, being flat with few road crossings.

2.21 It should be noted that rail would be a particularly attractive mode of travel for employees travelling to the site from Brighton as the fast, frequent rail service would compare favourably with car travel.

3.0 CAR PARKING AND SERVICING

3.1 The proposed development would be served by accesses from Dolphin Road and Dolphin Way and would include 52 car parking spaces. The West Sussex County Council parking standards for employment uses are one space per 30 sqm., 40 sqm. and 100 sqm. floor area for B1, B2 and B8 respectively. This proposed parking provision is equivalent to one space per 36 sqm. floor area. In practice it is unlikely that these relatively small units would be used exclusively for B8 purposes and therefore a parking provision between the standards for B1 and B2 is appropriate.

3.2 An off-carriageway loading area for larger vehicles would be provided in front of each unit. These areas would be accessed from Dolphin Way and so no reversing movements would take place on the public highway.

4.0 TRAFFIC ASSESSMENT

4.1 This section of the report assesses the impact on the local highway network of the traffic that would be generated by the proposed development. The assessment concentrates on the Dolphin Road / Eastern Avenue junction and the adjacent railway level crossing. It will be shown that beyond this junction the impact of the development would be insignificant.

Traffic Data

4.2 A high mast video traffic survey of the junction of Dolphin Road with Eastern Avenue was conducted on Tuesday 16th May 2006 between 0700 and 1900 hours. The morning peak hour was identified as occurring between 0745 and 0845 hours and the evening peak hour was between 1630 and 1730 hours. Full details of the traffic surveys and the results are provided at Appendix 8 and the observed flows for the peak hours are shown at Appendix 9.

Traffic Growth

4.3 For the purposes of this assessment, it has been assumed that the development would open this year. The observed flows have been growthed to 2007 levels using 1997 NRTF central forecast data and data from TEMPRO 5, following the methodology set out at paragraph 4.7 in the TEMPRO user guidance[2]. The derivation of the growth factors is included as Appendix 10 and they are shown in Table 4.1 below. These growth factors have been applied to the observed flows and the resulting 2007 base flows are shown at Appendix 11.

	Growth Factors 2006-2007
Weekday Morning Peak	1.018
Weekday Evening Peak	1.018

Table 4.1 Shoreham Traffic Growth Factors

Development Trips

4.4 The traffic attraction of the proposed development has been estimated using data from the TRICS database. Trip rates have been obtained using data from sites located in England within the 'industrial estates' employment sub-category. Sites situated outside of urban areas have been excluded from the analysis, as these would tend not to have good accessibility by cycle, which has already been identified as the most important non-car travel mode for this proposal. Full details of the TRICS assessment are provided at Appendix 12.

4.5 The 85th percentile trip rates for the peak hours are summarised in the following table. Also shown are the numbers of trips which would be attributable to the net increase in floor area of 510 sqm. which would be provided by the development.

	AM Peak Hour		PM Peak Hour	
	A	D	A	D
Trip Rate (trips/sqm GFA)	1.76	0.73	0.64	1.44
No of Trips (510 sqm GFA)	9	4	3	7

Table 4.2 Development Trips

Trip Assignment

4.6 The development flows have been assigned to the Dolphin Road / Eastern Avenue junction in proportion to the existing turning flows for each peak hour. This is shown at Appendix 13. Total 2007 with-development flows are shown at Appendix 14.

Development Traffic Impact

4.7 According to Institution of Highways and Transportation guidelines[3], junctions where the traffic to and from a development is less than 10% of the existing two-way traffic flow on the approaches to the junction can be considered to lie outside of the area of influence of the development. A threshold of 5% is used in congested conditions. The following table shows the impact of the development traffic on each arm of the junction of Dolphin Road with Eastern Avenue.

	AM Peak Hour			PM Peak Hour		
	Eastern Avenue North	Dolphin Road	Eastern Avenue South	Eastern Avenue North	Dolphin Road	Eastern Avenue South
2007 Base Traffic	470	388	240	547	310	405
Development Trips	11	13	2	7	10	3
% Increase	2%	3%	1%	1%	3%	1%

Table 4.3 Traffic Impact

4.8 It can be seen that the more stringent 5% threshold is not exceeded on any arm of the junction. Therefore the traffic impact of the development at the junction of Dolphin Road with Eastern Avenue can be considered to be negligible and it follows that the development would not have a significant impact on any other junction in the local highway network.

[2] TEMPRO Guidance Note, Department for Transport, April 2006
[3] Traffic Impact Assessment, Institution of Highways and Transportation, 1994

Impact of the Level Crossing

4.9 Notwithstanding the above conclusion, we have also considered the proximity of the junction to the level crossing. The video survey also recorded the operation of the crossing. An analysis of the video has been used to record the times when the barriers were lowered, the total duration that the barriers were down and the length of queues just before the barrier was raised.

4.10 During the survey, the barrier was lowered on 10 occasions during each of the morning and evening peak hours. The average length of time for which the barrier was lowered on each occasion during the morning peak hour was 2 minutes 19 seconds and for the evening peak hour the average time was 2 minutes 11 seconds. Therefore, the barrier was lowered for a total of 23 minutes and 11 seconds during the morning peak hour and for 21 minutes and 54 seconds during the evening peak hour. Thus the barrier is highly disruptive to traffic flows on Eastern Avenue.

4.11 On-site observations show that the proximity of the station to the level crossing results in the barriers being lowered even when the train is stopped at the platform and the barriers often remain lowered for trains to pass in both directions.

4.12 The southbound railway crossing stop line on Eastern Avenue is set back to a position to the north of the Dolphin Road junction. Therefore, when the crossing is in operation, drivers can still exit Dolphin road to the north. During the period when the barrier is lowered, the majority of traffic from Dolphin Road undertakes a right turn manoeuvre. We assume that drivers who would have turned left, turn right and follow an alternative route resulting in them crossing the railway at a different location.

4.13 The proximity of Dolphin Road to the level crossing and the layout of the junction results in a single vehicle waiting to turn right into Dolphin Road blocking through traffic. When the barriers are raised there is a short period during which there is a continual opposing flow while the southbound crossing queue clears. While this might appear to create a problem for right turning traffic, in practice southbound vehicles frequently wait and allow vehicles to turn across their path into Dolphin Road. Therefore, right turning traffic into Dolphin Road does not cause problems.

4.14 Based on our site observations, which indicate that the junction is not operating close to its capacity, we believe that the additional development traffic can be accommodated without significantly adding to the existing disruption caused by the proximity of the level crossing.

5.0 SUMMARY AND CONCLUSIONS

5.1 Mayer Brown Limited has been instructed by Hargreaves Management Limited in relation to a proposed employment development in Dolphin Road, Shoreham-by-Sea.

5.2 The report is summarised as follows:-

- The proposed development would replace an existing industrial unit which has a floor area of 1,381 sqm. with ten new B1/B2/B8 units with individual floor areas ranging from 155 – 302 sqm. and totalling 1,891 sqm. A total of 52 parking spaces would be provided along with a loading area for each unit.
- The site is accessible by a range of non-car modes including bus, rail, cycle and foot. Cycling is likely to be a particularly attractive alternative to car travel, bearing in mind local factors and the nature of the proposed development. Rail would also be very attractive for some trips, particularly to/from Brighton.
- The proposed car parking provision is consistent with the maximum standard set out in local supplementary planning guidance. Cycle parking would be provided to the full local authority standard and would be located adjacent to the front entrance of each unit.
- The proposed site layout can comfortably accommodate service vehicles and no manoeuvring would take place on the public highway.
- The additional development traffic would be minimal and can be accommodated at the Dolphin Road / Eastern Avenue junction and would not cause any additional problems at the adjacent level crossing.

5.3 We conclude that the development is acceptable from a transport perspective and there are no highways or traffic grounds on which the planning application should be refused.

Appendix 1

Site Location
Regional Context


ADUR DISTRICT
SHOREHAM-BY-SEA
PORTSLADE-BY-SEA
SOUTHWICK
Site Location
Bramber
Upper Beeding
Steyning
Small Dole
Fulking
Poynings
Edburton
Lancing
North Lancing
Airport
Shoreham Beach
Coombes
Annington
Applesham Fm
Old Erringham Fm
Buckingham Barn
Slonk Hill Fm
Mill Oak
Cockroost Hill
Devil's Dyke Fm
Perching Hill
Truleigh Hill
Edburton Hill
Tottington Barn
Freshcombe Fm
Bushy Bottom
The Warren
Thundersbarrow Hill
Chanders Barrow
Erringham Fm
Castle Town
Golding Barn
Horton Hall
Tottington Manor
Truleigh Manor
Truleigh Sands
Oreham Manor
Newhall Fm
Wyckham Fm
Greenfields
Kings Barn Fm
Upper Horton Fm
Winding Bottom
Coombe Head
Annington Fm
Botolphs
Valley Barn
Lancing Hill
College Fm
Old Shoreham
Leisure Centre
Civic Centre
LB Sta
Harbour
Power Station
Monarch's Way
Sports Centre
Portslade Village
Fishergate
Southern Cross
Brook Ho
Poynings Grange Fm
Perching Sands Fm
Badger Wood Fm
Lower Edburton Barn
Wickhurst Barns
Catsland Fm
Mill Fm
Centre
Stretham Manor
West
Huddlestone Fm
Shelleys
Hotel
Staplefields
Sewage Wks
Mary's Ho
The Priory
Castle
Cultivation Terraces
Golding Barn
Beeding Hill
Works (dis)
Chy
Chapel (ruins of)
Rifle Range
College
Hotel
Mus
Coll
Sch
Cemy
Tumulus
Rest
Ch
CH
PH
Fm
Hill
Barn
Sta
Harbour
Centre
Leisure Centre
Sports Centre
Village
Cross
Gate
Monarch's Way
Power Station
Shoreham Beach
Civic Centre
Old Shoreham
Leisure Centre
Airport
North Lancing
Lancing
South Lancing
Valley Barn
Applesham Fm
Old Erringham Fm
Buckingham Barn
Slonk Hill Fm
Mill Oak
Sports Centre
Cockroost Hill
Devil's Dyke Fm
Perching Hill
Truleigh Hill
Edburton Hill
Tottington Barn
Freshcombe Fm
Bushy Bottom
The Warren
Thundersbarrow Hill
Chanders Barrow
Erringham Fm
Castle Town
Golding Barn
Horton Hall
Tottington Manor
Truleigh Manor
Truleigh Sands
Oreham Manor
Newhall Fm
Wyckham Fm
Greenfields
Kings Barn Fm
Upper Horton Fm
Winding Bottom
Coombe Head
Annington Fm
Botolphs
Coombes
Annington
Bramber
Upper Beeding
Steyning
Small Dole
Fulking
Poynings
Edburton
Lancing
North Lancing
Airport
Shoreham Beach
SHOREHAM-BY-SEA
PORTSLADE-BY-SEA
SOUTHWICK
Site Location
A 27
A 23
A 281
A 283
A 2037
A 259
A 2032
A 2023
A 2300
A 2270
A 2199
A 2199
A 2199

Appendix 2

Site Location
Local Context

Site Location
Local Context
N.T.S.
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Appendix 2
CAD File: Planning 3/HAS/Shoreham/Appendix/Appendix 2
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SHOREHAM-BY-SEA
Shoreham Harbour
Shoreham Beach
Site Location
Kingston by Sea
SOUTHWICK
BRIGHTON RD
ALBION ST
SOUTHWICK RD
THE GREEN
CROSS RD
Shoreham Beach CE Primary Sch
St Peter's RC Sch
Kingston Bucci City Fst Sch
Kingston Manor Sch
Manor Hall City Sch
Globe City Mid Sch
Shoreham College
Shoreham Fort
Old Fort Pier
Inner Breakwater
Middle Pier
West Pier
East Breakwater
Monarch's Way
Shoreham Harbour
Wharf
Mast
Fort Haven
Harbour View
Emerald Quay
Shingle Rd
Old Fort Rd
Winterton Way
Harbour Way
Sussex Wharf
Ham
Humphrey's Gap

Appendix 3

Proposed Site Layout

26, Dolphin Road
Shoreham-By-Sea,
West Sussex.
Plans & Elevations Of
Outline Redevelopment As B1,B2,B8.
For Redevelopment

REV	DESCRIPTION	DATE
	REVISION	

Typical Parking Provision based on 1836sqft
Total Floor Area 7,128sq ft Total Units 32
Parking Provision For Disabled
Cycle Parking
Total Parking Provision Landscape based on 1836sqft
Parking @ 1/30 = 32 = 2 PER UNIT
Parking @ 1/50 = 32 = 1 PER UNIT
Disabled Parking @ 5% = 2 Spaces
Motorcycle Parking @ 5% = 2 Spaces
Cycles 1 / 1 Per Unit
Cycles 1/50 of 32 = Say 1

Location Plan 1:1250

Site Plan 1:500

Floor Plan 1:200

Dolphin Way.

Dolphin Road.

Railway Line.

Loading Area

Parking

Unit 1. Unit 2. Unit 3. Unit 4. Unit 5. Unit 6. Unit 7. Unit 8. Unit 9. Unit 10.

Typical Floor Area 1836 Sq Ft

3302.2 Incl 3529 Sq Ft

Exit

Entrance

West Elevation 1:200

East Elevation (From Dolphin Way) 1:200

South Elevation (From Dolphin Road) 1:200

North Elevation

SITE

Warehouse

Unit 1

Unit 2

Unit 3

DOLPHIN WAY

Dolphin Road.

Appendix 4

Walk Catchment Area

Site location
SHOREHAM-BY-SEA
HOVE
PORTSLADE-BY-SEA
ADUR DISTRICT
BRIGHTON
SW2
Lancing
Shoreham Airport
Worthing
Southwick
Hove Park
Aldrington
Portslade
Brighton Marina
Kingston Hill
Coombe Hill
Valley Bank
Tumulus
Tumulus (Bowl Barrow)
Tumulus (Disc Barrow)
Tumulus (Long Barrow)
Tumulus (Round Barrow)
Tumulus (Saucer Barrow)
Tumulus (Unidentified Barrow)
Tumulus (Unidentified Barrow)
Tumulus (Unidentified

Appendix 5

Cycle Catchment Area

Clyde Catchment Area

Scale 1:50 000

CAD File: Planning 3\HARS\reports\Appendices\Appendix 5

Appendix 5

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Appendix 6

Bus Accessibility

Appendix 6

Bus Accessibility

Scale 1:50 000

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Appendix 7

Rail Accessibility

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Rail Accessibility

Scale 1:50 000

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Appendix 7

Appendix 8

Traffic Survey Results

REPORT ON HIGH MAST VIDEO SURVEYS, DOLPHIN ROAD/EASTERN AVENUE AREA SHOREHAM BY SEA, WEST SUSSEX TUESDAY 16th MAY 2006

Undertaken on behalf of
Mayer Brown
By

High Mast Video Ltd
57 Maisemore Gardens
Emsworth
Hampshire PO10 7JX
Tel: 01243 370444
Fax: 01243 375444

NOTES ON VIDEO TRAFFIC SURVEY, SHOREHAM

CLIENT REF: Shoreham: B/05/11/06

SURVEY: High mast videos and analysis of traffic, cycle and pedestrian flows plus times of rail crossing barrier movements

LOCATIONS: 1: Priority junction of Eastern Avenue and Dolphin Road, Shoreham, view of area looking south.

2: Dolphin Road, just east of end of residential area, 50m east of Dolphin Way.

3: Dolphin Road, approx. halfway along industrial area of Dolphin Way, just west of Daf works.

DAY/DATES: Tuesday 16th May 2006

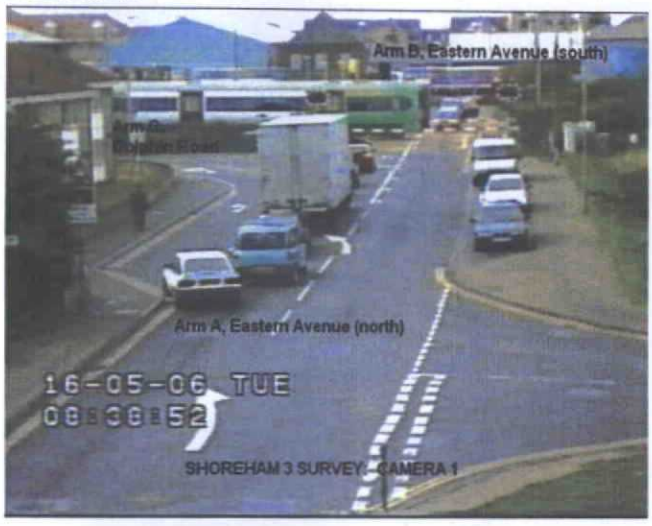
TIMES: 07:00-19:00 x 15 minute periods

TYPES: Lights (Cars, vans, motorcycles), Heavies (MGVs, HGVs, PSVs)

WEATHER: Dull, cold, rain

NOTES: No accidents or incidents noted. At Site 2, Brighton Road junction, no westbound vehicles in the outside lane were seen to change lanes.

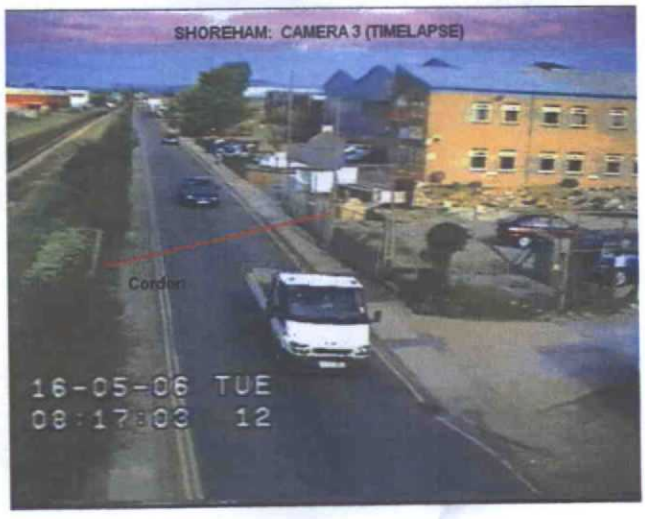
SCREEN SHOTS



CAMERA 1, SHOREHAM



CAMERA 2, SHOREHAM



CAMERA 3, SHOREHAM

PLAN SHOWING SITE LOCATIONS

Undertaken by High Mast Video Ltd
On behalf of Mayer Brown

Map

SHOREHAM 3
Turning Count Surveys from Video
16th May 2006

SITE: 1 **ARM: ARM A, EASTERN AVE N** **DAY: TUESDAY**

LOCATION: JUNCTION OF EASTERN AVENUE WITH DOLPHIN ROAD, SHOREHAM **DATE: 16th MAY 2006**

TIME	MOVEMENT 1, AC From: ARM A, EASTERN AVE N Left to: ARM C, DOLPHIN ROAD				MOVEMENT 2, AB From: ARM A, EASTERN AVE N Strt to: ARM B, EASTERN AVE S				MOVEMENT 3, AA From: ARM A, EASTERN AVE N U turn: ARM A, EASTERN AVE N			
Qrt Hour	CAR LGVs	HGVs PSVs	TOT	HR	CAR LGVs	HGVs PSVs	TOT	HR	CAR LGVs	HGVs PSVs	TOT	HR
07:00-07:15	56	3	59	220	15	1	16	63	0	0	0	0
07:15-07:30	65	3	68	224	13	0	13	70	0	0	0	0
07:30-07:45	38	2	40	234	19	1	20	85	0	0	0	1
07:45-08:00	52	1	53	248	14	0	14	100	0	0	0	1
08:00-08:15	62	1	63	210	22	1	23	114	0	0	0	2
08:15-08:30	76	2	78	170	26	2	28	125	1	0	1	2
08:30-08:45	51	3	54	115	31	4	35	135	0	0	0	1
08:45-09:00	15	0	15	79	27	1	28	125	1	0	1	1
09:00-09:15	22	1	23	81	33	1	34	132	0	0	0	0
09:15-09:30	20	3	23	74	35	3	38	135	0	0	0	0
09:30-09:45	16	2	18	66	22	3	25	117	0	0	0	0
09:45-10:00	12	5	17	60	34	1	35	126	0	0	0	0
10:00-10:15	11	5	16	50	35	2	37	96	0	0	0	1
10:15-10:30	12	3	15	52	20	0	20	91	0	0	0	1
10:30-10:45	11	1	12	45	33	1	34	89	0	0	0	2
10:45-11:00	3	4	7	45	4	1	5	73	1	0	1	6
11:00-11:15	12	6	18	56	32	0	32	99	0	0	0	5
11:15-11:30	8	0	8	60	16	2	18	99	1	0	1	5
11:30-11:45	12	0	12	69	16	2	18	109	4	0	4	5
11:45-12:00	16	2	18	83	31	0	31	122	0	0	0	1
12:00-12:15	22	0	22	84	31	1	32	123	0	0	0	2
12:15-12:30	13	4	17	86	25	3	28	114	1	0	1	2
12:30-12:45	21	5	26	91	29	2	31	119	0	0	0	1
12:45-13:00	16	3	19	92	31	1	32	103	1	0	1	2
13:00-13:15	20	4	24	102	21	2	23	104	0	0	0	1
13:15-13:30	22	0	22	97	32	1	33	109	0	0	0	1
13:30-13:45	26	1	27	87	15	0	15	126	1	0	1	1
13:45-14:00	27	2	29	77	31	2	33	130	0	0	0	0
14:00-14:15	15	4	19	64	27	1	28	125	0	0	0	0
14:15-14:30	9	3	12	56	50	0	50	114	0	0	0	0
14:30-14:45	16	1	17	56	17	2	19	103	0	0	0	1
14:45-15:00	12	4	16	59	28	0	28	125	0	0	0	1
15:00-15:15	7	4	11	56	16	1	17	136	0	0	0	2
15:15-15:30	12	0	12	61	35	4	39	143	1	0	1	2
15:30-15:45	14	6	20	66	39	2	41	127	0	0	0	1
15:45-16:00	10	3	13	55	37	2	39	123	1	0	1	1
16:00-16:15	15	1	16	55	23	1	24	119	0	0	0	0
16:15-16:30	15	2	17	48	22	1	23	136	0	0	0	0
16:30-16:45	9	0	9	43	37	0	37	158	0	0	0	0
16:45-17:00	13	0	13	44	34	1	35	132	0	0	0	0
17:00-17:15	8	1	9	48	37	4	41	129	0	0	0	0
17:15-17:30	8	4	12	48	45	0	45	108	0	0	0	0
17:30-17:45	10	0	10	46	10	1	11	89	0	0	0	0
17:45-18:00	17	0	17	47	30	2	32	95	0	0	0	0
18:00-18:15	9	0	9	42	20	0	20	100	0	0	0	1
18:15-18:30	10	0	10		24	2	26		0	0	0	
18:30-18:45	11	0	11		17	0	17		0	0	0	
18:45-19:00	11	1	12		35	2	37		1	0	1	
12 HR TOTAL	968	100	1068		1276	64	1340		14	0	14	

Undertaken by High Mast Video Ltd
On behalf of Mayer Brown

SHOREHAM 3
Turning Count Surveys from Video
16th May 2006

SITE: 1 **ARM: ARM B, EASTERN AVE S** **DAY: TUESDAY**

LOCATION: JUNCTION OF EASTERN AVENUE WITH DOLPHIN ROAD, SHOREHAM **DATE: 16th MAY 2006**

TIME	MOVEMENT 4, BA From: ARM B, EASTERN AVE S Strt to: ARM A, EASTERN AVE N				MOVEMENT 5, BC From: ARM B, EASTERN AVE S Right to: ARM C, DOLPHIN ROAD				MOVEMENT 6, BB From: ARM B, EASTERN AVE S U turn: ARM B, EASTERN AVE S			
Qrt Hour	CAR LGVs	HGVs PSVs	TOT	HR	CAR LGVs	HGVs PSVs	TOT	HR	CAR LGVs	HGVs PSVs	TOT	HR
07:00-07:15	3	1	4	30	13	1	14	63	0	0	0	0
07:15-07:30	7	0	7	38	30	0	30	57	0	0	0	0
07:30-07:45	6	0	6	49	7	2	9	44	0	0	0	0
07:45-08:00	12	1	13	58	9	1	10	49	0	0	0	0
08:00-08:15	12	0	12	57	8	0	8	44	0	0	0	0
08:15-08:30	17	1	18	63	15	2	17	42	0	0	0	1
08:30-08:45	14	1	15	72	14	0	14	44	0	0	0	1
08:45-09:00	11	1	12	68	5	0	5	42	0	0	0	1
09:00-09:15	18	0	18	83	4	2	6	51	1	0	1	1
09:15-09:30	26	1	27	99	13	6	19	51	0	0	0	0
09:30-09:45	11	0	11	102	9	3	12	40	0	0	0	0
09:45-10:00	27	0	27	130	11	3	14	46	0	0	0	0
10:00-10:15	33	1	34	114	5	1	6	36	0	0	0	0
10:15-10:30	30	0	30	119	6	2	8	46	0	0	0	0
10:30-10:45	38	1	39	113	17	1	18	47	0	0	0	0
10:45-11:00	11	0	11	86	3	1	4	34	0	0	0	0
11:00-11:15	38	1	39	91	14	2	16	41	0	0	0	1
11:15-11:30	24	0	24	75	9	0	9	33	0	0	0	1
11:30-11:45	12	0	12	80	4	1	5	30	0	0	0	1
11:45-12:00	16	0	16	100	11	0	11	34	1	0	1	1
12:00-12:15	22	1	23	127	6	2	8	31	0	0	0	1
12:15-12:30	29	0	29	135	6	0	6	35	0	0	0	1
12:30-12:45	32	0	32	147	8	1	9	40	0	0	0	1
12:45-13:00	41	2	43	141	7	1	8	41	1	0	1	1
13:00-13:15	31	0	31	126	12	0	12	46	0	0	0	0
13:15-13:30	41	0	41	122	11	0	11	40	0	0	0	0
13:30-13:45	26	0	26	124	10	0	10	35	0	0	0	0
13:45-14:00	28	0	28	136	9	4	13	32	0	0	0	0
14:00-14:15	26	1	27	138	5	1	6	22	0	0	0	0
14:15-14:30	42	1	43	145	4	2	6	20	0	0	0	0
14:30-14:45	38	0	38	133	5	2	7	25	0	0	0	0
14:45-15:00	29	1	30	127	3	0	3	26	0	0	0	0
15:00-15:15	33	1	34	136	4	0	4	32	0	0	0	1
15:15-15:30	31	0	31	135	11	0	11	36	0	0	0	1
15:30-15:45	31	1	32	149	8	0	8	31	0	0	0	1
15:45-16:00	39	0	39	147	7	2	9	33	1	0	1	1
16:00-16:15	33	0	33	144	7	1	8	30	0	0	0	0
16:15-16:30	45	0	45	146	5	1	6	26	0	0	0	0
16:30-16:45	30	0	30	157	9	1	10	25	0	0	0	0
16:45-17:00	35	1	36	174	6	0	6	20	0	0	0	0
17:00-17:15	35	0	35	186	4	0	4	20	0	0	0	0
17:15-17:30	56	0	56	182	4	1	5	22	0	0	0	0
17:30-17:45	47	0	47	147	5	0	5	21	0	0	0	0
17:45-18:00	48	0	48	123	6	0	6	23	0	0	0	0
18:00-18:15	31	0	31	101	5	1	6	23	0	0	0	0
18:15-18:30	21	0	21		4	0	4		0	0	0	
18:30-18:45	23	0	23		7	0	7		0	0	0	
18:45-19:00	26	0	26		5	1	6		0	0	0	
12 HR TOTAL	1315	18	1333		390	49	439		4	0	4	

SHOREHAM 3
Turning Count Surveys from Video
16th May 2006

SITE: 1 **ARM: ARM C, DOLPHIN ROAD** **DAY: TUESDAY**

LOCATION: JUNCTION OF EASTERN AVENUE WITH DOLPHIN ROAD, SHOREHAM **DATE: 16th MAY 2006**

TIME	MOVEMENT 7, CB From: ARM C, DOLPHIN ROAD Left to: ARM B, EASTERN AVE S				MOVEMENT 8, CA From: ARM C, DOLPHIN ROAD Right to: ARM A, EASTERN AVE N				MOVEMENT 9, CC From: ARM C, DOLPHIN ROAD U turn: ARM C, DOLPHIN ROAD			
Qrt Hour	CAR LGVs	HGVs PSVs	TOT	HR	CAR LGVs	HGVs PSVs	TOT	HR	CAR LGVs	HGVs PSVs	TOT	HR
07:00-07:15	12	0	12	24	51	1	52	90	1	0	1	1
07:15-07:30	0	2	2	22	10	1	11	51	0	0	0	1
07:30-07:45	5	1	6	28	11	2	13	52	0	0	0	1
07:45-08:00	3	1	4	28	10	4	14	55	0	0	0	1
08:00-08:15	9	1	10	31	12	1	13	51	1	0	1	1
08:15-08:30	5	3	8	28	10	2	12	54	0	0	0	0
08:30-08:45	5	1	6	27	12	4	16	50	0	0	0	0
08:45-09:00	4	3	7	28	10	0	10	49	0	0	0	0
09:00-09:15	7	0	7	33	15	1	16	60	0	0	0	0
09:15-09:30	7	0	7	34	8	0	8	55	0	0	0	0
09:30-09:45	6	1	7	35	11	4	15	59	0	0	0	0
09:45-10:00	9	3	12	41	16	5	21	57	0	0	0	0
10:00-10:15	3	5	8	33	11	0	11	55	0	0	0	0
10:15-10:30	6	2	8	35	9	3	12	60	0	0	0	0
10:30-10:45	11	2	13	38	9	4	13	58	0	0	0	1
10:45-11:00	4	0	4	32	16	3	19	61	0	0	0	2
11:00-11:15	10	0	10	31	11	5	16	63	0	0	0	2
11:15-11:30	11	0	11	33	10	0	10	65	1	0	1	2
11:30-11:45	7	0	7	26	14	2	16	73	1	0	1	1
11:45-12:00	3	0	3	23	19	2	21	92	0	0	0	0
12:00-12:15	12	0	12	38	14	4	18	107	0	0	0	0
12:15-12:30	4	0	4	34	16	2	18	112	0	0	0	0
12:30-12:45	4	0	4	37	33	2	35	112	0	0	0	0
12:45-13:00	18	0	18	44	35	1	36	102	0	0	0	0
13:00-13:15	8	0	8	32	19	4	23	79	0	0	0	0
13:15-13:30	7	0	7	28	17	1	18	80	0	0	0	0
13:30-13:45	11	0	11	33	21	4	25	74	0	0	0	0
13:45-14:00	6	0	6	34	13	0	13	64	0	0	0	0
14:00-14:15	4	0	4	32	23	1	24	68	0	0	0	0
14:15-14:30	12	0	12	30	11	1	12	57	0	0	0	0
14:30-14:45	12	0	12	21	13	2	15	59	0	0	0	0
14:45-15:00	4	0	4	13	17	0	17	56	0	0	0	0
15:00-15:15	0	2	2	15	11	2	13	56	0	0	0	0
15:15-15:30	3	0	3	22	12	2	14	79	0	0	0	0
15:30-15:45	3	1	4	25	11	1	12	87	0	0	0	0
15:45-16:00	6	0	6	37	17	0	17	113	0	0	0	0
16:00-16:15	8	1	9	41	34	2	36	126	0	0	0	0
16:15-16:30	5	1	6	51	19	3	22	132	0	0	0	0
16:30-16:45	15	1	16	58	36	2	38	179	0	0	0	0
16:45-17:00	10	0	10	49	29	1	30	178	0	0	0	0
17:00-17:15	19	0	19	46	42	0	42	184	0	0	0	0
17:15-17:30	12	1	13	42	69	0	69	190	0	0	0	0
17:30-17:45	7	0	7	34	37	0	37	142	0	0	0	0
17:45-18:00	6	1	7	31	35	1	36	125	0	0	0	0
18:00-18:15	15	0	15	35	48	0	48	108	0	0	0	0
18:15-18:30	4	1	5		21	0	21		0	0	0	
18:30-18:45	4	0	4		19	1	20		0	0	0	
18:45-19:00	11	0	11		17	2	19		0	0	0	
12 HR TOTAL	357	34	391		964	83	1047		4	0	4	

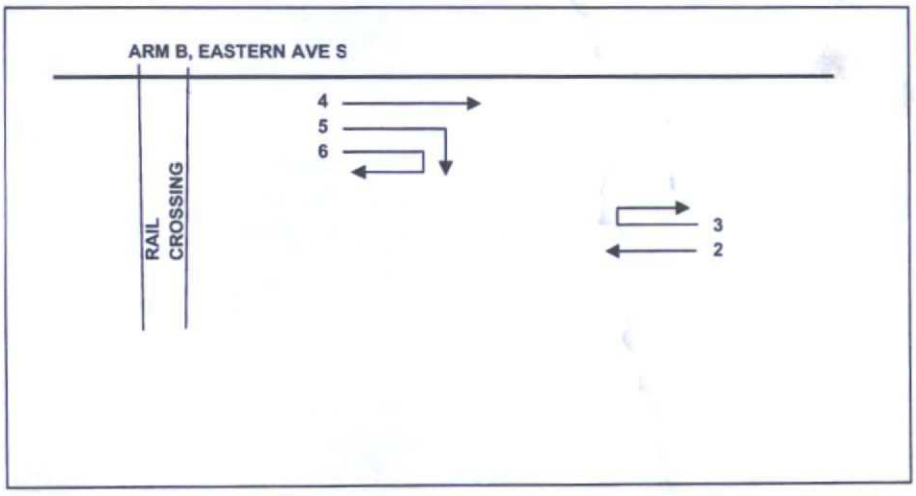
SHOREHAM 3
Turning Count Surveys from Video
16th May 2006

SITE: 1 **DAY: TUESDAY** **DATE: 16th MAY 2006**

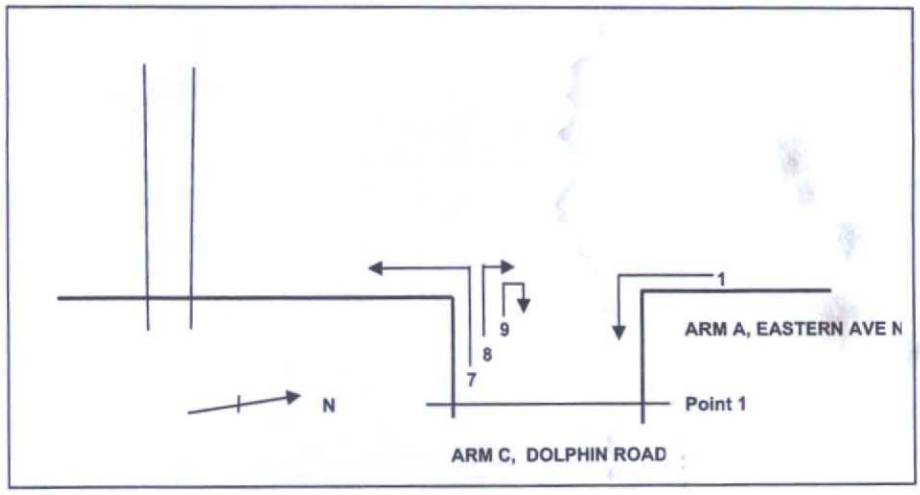
LOCATION: JUNCTION OF EASTERN AVENUE WITH DOLPHIN ROAD, SHOREHAM

TIME	MOVEMENT: ALL IN TO JUNCTION					MOVEMENT: ALL OUT OF JUNCTION				
Qrt Hour	A	B	C	TOT	HR	A	B	C	TOT	HR
07:00-07:15	75	18	65	158	491	56	28	74	158	491
07:15-07:30	81	37	13	131	463	18	15	98	131	463
07:30-07:45	60	15	19	94	494	19	26	49	94	494
07:45-08:00	67	23	18	108	540	27	18	63	108	540
08:00-08:15	86	20	24	130	510	25	33	72	130	510
08:15-08:30	107	35	20	162	485	31	36	95	162	485
08:30-08:45	89	29	22	140	445	31	41	68	140	445
08:45-09:00	44	17	17	78	393	23	35	20	78	393
09:00-09:15	57	25	23	105	441	34	42	29	105	441
09:15-09:30	61	46	15	122	448	35	45	42	122	448
09:30-09:45	43	23	22	88	419	26	32	30	88	419
09:45-10:00	52	41	33	126	460	48	47	31	126	460
10:00-10:15	53	40	19	112	385	45	45	22	112	385
10:15-10:30	35	38	20	93	404	42	28	23	93	404
10:30-10:45	46	57	26	129	393	52	47	30	129	393
10:45-11:00	13	15	23	51	339	31	9	11	51	339
11:00-11:15	50	55	26	131	389	55	42	34	131	389
11:15-11:30	27	33	22	82	373	35	29	18	82	373
11:30-11:45	34	17	24	75	394	32	25	18	75	394
11:45-12:00	49	28	24	101	456	37	35	29	101	456
12:00-12:15	54	31	30	115	513	41	44	30	115	513
12:15-12:30	46	35	22	103	519	48	32	23	103	519
12:30-12:45	57	41	39	137	548	67	35	35	137	548
12:45-13:00	52	52	54	158	526	80	51	27	158	526
13:00-13:15	47	43	31	121	490	54	31	36	121	490
13:15-13:30	55	52	25	132	477	59	40	33	132	477
13:30-13:45	43	36	36	115	480	52	26	37	115	480
13:45-14:00	62	41	19	122	473	41	39	42	122	473
14:00-14:15	47	33	28	108	449	51	32	25	108	449
14:15-14:30	62	49	24	135	422	55	62	18	135	422
14:30-14:45	36	45	27	108	398	53	31	24	108	398
14:45-15:00	44	33	21	98	407	47	32	19	98	407
15:00-15:15	28	38	15	81	434	47	19	15	81	434
15:15-15:30	52	42	17	111	479	46	42	23	111	479
15:30-15:45	61	40	16	117	487	44	45	28	117	487
15:45-16:00	53	49	23	125	510	57	46	22	125	510
16:00-16:15	40	41	45	126	515	69	33	24	126	515
16:15-16:30	40	51	28	119	539	67	29	23	119	539
16:30-16:45	46	40	54	140	620	68	53	19	140	620
16:45-17:00	48	42	40	130	597	66	45	19	130	597
17:00-17:15	50	39	61	150	613	77	60	13	150	613
17:15-17:30	57	61	82	200	592	125	58	17	200	592
17:30-17:45	21	52	44	117	479	84	18	15	117	479
17:45-18:00	49	54	43	146	444	84	39	23	146	444
18:00-18:15	29	37	63	129	410	79	35	15	129	410
18:15-18:30	36	25	26	87		42	31	14	87	
18:30-18:45	28	30	24	82		43	21	18	82	
18:45-19:00	50	32	30	112		46	48	18	112	
12 HR TOTAL	2422	1776	1442	5640		2394	1735	1511	5640	

SHOREHAM 3
Turning Count Surveys from Video
16th May 2006



SHOREHAM 3
Turning Count Surveys from Video
16th May 2006



SHOREHAM 3
Turning Count Surveys from Video
16th May 2006

SITE: 1 **ARM: ARM A, EASTERN AVE N** **DAY: TUESDAY**

LOCATION: JUNCTION OF EASTERN AVENUE WITH DOLPHIN ROAD, SHOREHAM **DATE: 16th MAY 2006**

TIME	MOVEMENT 1, AC From: ARM A, EASTERN AVE N Left to: ARM C, DOLPHIN ROAD				MOVEMENT 2, AB From: ARM A, EASTERN AVE N Strt to: ARM B, EASTERN AVE S				MOVEMENT 3, AA From: ARM A, EASTERN AVE N U turn: ARM A, EASTERN AVE N			
Qrt Hour	CYCLE	PED	TOT	HR	CYCLE	PED	TOT	HR	CYCLE	PED	TOT	HR
07:00-07:15	7	0	7	22	1	5	6	21	0	0	0	0
07:15-07:30	4	6	10	23	1	4	5	22	0	0	0	0
07:30-07:45	2	0	2	26	2	2	4	26	0	0	0	0
07:45-08:00	2	1	3	25	2	4	6	29	0	0	0	0
08:00-08:15	2	6	8	24	1	6	7	31	0	0	0	0
08:15-08:30	2	11	13	20	5	4	9	35	0	0	0	0
08:30-08:45	0	1	1	7	0	7	7	31	0	0	0	0
08:45-09:00	0	2	2	7	4	4	8	26	0	0	0	0
09:00-09:15	0	4	4	6	5	6	11	24	0	0	0	0
09:15-09:30	0	0	0	4	0	5	5	16	0	0	0	0
09:30-09:45	0	1	1	6	1	1	2	14	0	0	0	0
09:45-10:00	0	1	1	5	2	4	6	16	0	0	0	0
10:00-10:15	0	2	2	4	1	2	3	12	0	0	0	0
10:15-10:30	0	2	2	2	0	3	3	15	0	0	0	0
10:30-10:45	0	0	0	0	0	4	4	18	0	0	0	0
10:45-11:00	0	0	0	3	0	2	2	17	0	0	0	0
11:00-11:15	0	0	0	4	0	6	6	16	0	0	0	0
11:15-11:30	0	0	0	5	0	6	6	17	0	0	0	0
11:30-11:45	0	3	3	8	0	3	3	15	0	0	0	0
11:45-12:00	1	0	1	5	1	0	1	14	0	0	0	0
12:00-12:15	0	1	1	5	0	7	7	21	0	0	0	0
12:15-12:30	1	2	3	5	1	3	4	17	0	0	0	0
12:30-12:45	0	0	0	6	1	1	2	18	0	0	0	0
12:45-13:00	1	0	1	7	1	7	8	17	0	0	0	0
13:00-13:15	0	1	1	6	0	3	3	16	0	0	0	0
13:15-13:30	1	3	4	6	2	3	5	17	0	0	0	0
13:30-13:45	0	1	1	3	0	1	1	17	0	0	0	0
13:45-14:00	0	0	0	5	1	6	7	20	0	0	0	0
14:00-14:15	0	1	1	6	0	4	4	17	0	0	0	0
14:15-14:30	0	1	1	6	2	3	5	14	0	0	0	0
14:30-14:45	0	3	3	6	0	4	4	12	0	0	0	0
14:45-15:00	0	1	1	4	0	4	4	16	0	0	0	0
15:00-15:15	0	1	1	9	0	1	1	21	0	0	0	0
15:15-15:30	0	1	1	9	0	3	3	20	0	0	0	0
15:30-15:45	0	1	1	10	0	8	8	27	0	0	0	0
15:45-16:00	0	6	6	9	3	6	9	24	0	0	0	0
16:00-16:15	0	1	1	5	0	0	0	17	0	0	0	0
16:15-16:30	2	0	2	6	4	6	10	18	0	0	0	0
16:30-16:45	0	0	0	7	0	5	5	10	0	0	0	0
16:45-17:00	0	2	2	10	1	1	2	6	0	0	0	0
17:00-17:15	0	2	2	12	0	1	1	4	0	0	0	0
17:15-17:30	1	2	3	11	0	2	2	9	0	0	0	0
17:30-17:45	0	3	3	10	0	1	1	10	0	0	0	0
17:45-18:00	0	4	4	11	0	0	0	11	0	0	0	0
18:00-18:15	0	1	1	10	2	4	6	14	0	0	0	0
18:15-18:30	0	2	2		0	3	3		0	0	0	
18:30-18:45	1	3	4		0	2	2		0	0	0	
18:45-19:00	0	3	3		2	1	3		0	0	0	
12 HR TOTAL	27	86	113		46	168	214		0	0	0	

SHOREHAM 3
Turning Count Surveys from Video
16th May 2006

SITE: 1 **ARM: ARM B, EASTERN AVE S** **DAY: TUESDAY**

LOCATION: JUNCTION OF EASTERN AVENUE WITH DOLPHIN ROAD, SHOREHAM **DATE: 16th MAY 2006**

TIME	MOVEMENT 4, BA From: ARM B, EASTERN AVE S Strt to: ARM A, EASTERN AVE N				MOVEMENT 5, BC From: ARM B, EASTERN AVE S Right to: ARM C, DOLPHIN ROAD				MOVEMENT 6, BB From: ARM B, EASTERN AVE S U turn: ARM B, EASTERN AVE S			
Qrt Hour	CYCLE	PED	TOT	HR	CYCLE	PED	TOT	HR	CYCLE	PED	TOT	HR
07:00-07:15	0	0	0	6	1	6	7	20	0	0	0	0
07:15-07:30	1	1	2	9	2	4	6	18	0	0	0	0
07:30-07:45	1	1	2	7	1	0	1	12	0	0	0	0
07:45-08:00	2	0	2	5	2	4	6	11	0	0	0	0
08:00-08:15	2	1	3	7	3	2	5	12	0	0	0	0
08:15-08:30	0	4	4	16	3	4	7	20	0	0	0	0
08:30-08:45	0	0	0	17	2	1	3	14	0	0	0	0
08:45-09:00	1	1	2	6	0	1	1	2	0	0	0	0
09:00-09:15	1	3	4	9	0	1	1	9	0	0	0	0
09:15-09:30	2	3	5	15	2	6	8	11	0	0	0	0
09:30-09:45	1	0	1	11	0	0	0	6	0	0	0	0
09:45-10:00	0	5	5	15	0	1	1	7	0	0	0	0
10:00-10:15	1	3	4	12	2	0	2	6	0	0	0	0
10:15-10:30	0	1	1	22	1	2	3	4	0	0	0	0
10:30-10:45	1	4	5	21	0	1	1	3	0	0	0	0
10:45-11:00	2	0	2	22	0	0	0	2	0	0	0	0
11:00-11:15	3	11	14	22	0	0	0	6	0	0	0	0
11:15-11:30	0	0	0	14	0	2	2	13	0	0	0	0
11:30-11:45	0	6	6	18	0	0	0	13	0	0	0	0
11:45-12:00	1	1	2	15	1	3	4	18	0	0	0	0
12:00-12:15	1	5	6	24	0	7	7	19	0	0	0	0
12:15-12:30	0	4	4	22	0	2	2	14	0	0	0	0
12:30-12:45	0	3	3	29	1	4	5	21	0	0	0	0
12:45-13:00	2	9	11	29	1	4	5	18	0	0	0	0
13:00-13:15	1	3	4	19	0	2	2	17	0	0	0	0
13:15-13:30	1	10	11	19	1	8	9	17	0	0	0	0
13:30-13:45	0	3	3	30	0	2	2	24	0	0	0	0
13:45-14:00	0	1	1	32	1	3	4	23	0	0	0	0
14:00-14:15	0	4	4	34	1	1	2	22	0	0	0	0
14:15-14:30	1	1	2	17	3	4	7	13	0	0	0	0
14:30-14:45	0	4	4	20	0	1	1	9	0	0	0	0
14:45-15:00	1	7	8	21	0	3	3	9	0	0	0	0
15:00-15:15	0	3	3	16	2	0	2	9	0	0	0	0
15:15-15:30	1	4	5	14	0	3	3	9	0	0	0	0
15:30-15:45	1	4	5	15	0	1	1	7	0	0	0	0
15:45-16:00	1	2	3	13	2	1	3	11	0	0	0	0
16:00-16:15	0	1	1	13	0	2	2	12	0	0	0	0
16:15-16:30	2	4	6	17	0	1	1	10	0	0	0	0
16:30-16:45	1	2	3	23	1	4	5	14	0	0	0	0
16:45-17:00	1	2	3	29	0	4	4	11	0	0	0	0
17:00-17:15	2	3	5	34	0	0	0	10	0	0	0	0
17:15-17:30	2	10	12	36	2	3	5	13	0	0	0	0
17:30-17:45	2	7	9	29	2	0	2	11	0	0	0	0
17:45-18:00	2	6	8	21	0	3	3	12	0	0	0	0
18:00-18:15	1	6	7	24	1	2	3	10	0	0	0	0
18:15-18:30	1	4	5		1	2	3		0	0	0	
18:30-18:45	0	1	1		2	1	3		0	0	0	
18:45-19:00	2	9	11		1	0	1		0	0	0	
12 HR TOTAL	45	167	212		42	106	148		0	0	0	

SHOREHAM 3
Turning Count Surveys from Video
16th May 2006

SITE: 1 **ARM: ARM C, DOLPHIN ROAD** **DAY: TUESDAY**

LOCATION: JUNCTION OF EASTERN AVENUE WITH DOLPHIN ROAD, SHOREHAM **DATE: 16th MAY 2006**

TIME	MOVEMENT 7, CB From: ARM C, DOLPHIN ROAD Left to: ARM B, EASTERN AVE S				MOVEMENT 8, CA From: ARM C, DOLPHIN ROAD Right to: ARM A, EASTERN AVE N				MOVEMENT 9, CC From: ARM C, DOLPHIN ROAD U turn: ARM C, DOLPHIN ROAD			
Qrt Hour	CYCLE	PED	TOT	HR	CYCLE	PED	TOT	HR	CYCLE	PED	TOT	HR
07:00-07:15	1	1	2	8	1	4	5	12	0	0	0	0
07:15-07:30	0	0	0	11	1	1	2	10	0	0	0	0
07:30-07:45	0	2	2	11	0	4	4	8	0	0	0	0
07:45-08:00	1	3	4	9	0	1	1	4	0	0	0	0
08:00-08:15	1	4	5	9	0	3	3	9	0	0	0	0
08:15-08:30	0	4	4	20	0	6	6	9	0	0	0	0
08:30-08:45	0	4	4	17	0	1	1	3	0	0	0	0
08:45-09:00	1	7	8	9	0	1	1	1	0	0	0	0
09:00-09:15	1	0	1	2	0	0	0	0	0	0	0	0
09:15-09:30	0	1	1	4	0	0	0	2	0	0	0	0
09:30-09:45	0	2	2	10	0	1	1	2	0	0	0	0
09:45-10:00	0	1	1	11	0	0	0	3	0	0	0	0
10:00-10:15	0	0	0	13	0	1	1	4	0	0	0	0
10:15-10:30	0	7	7	22	0	0	0	3	0	0	0	0
10:30-10:45	0	3	3	16	0	2	2	3	0	0	0	0
10:45-11:00	1	2	3	15	1	0	1	1	0	0	0	0
11:00-11:15	0	9	9	13	0	0	0	3	0	0	0	0
11:15-11:30	0	1	1	7	0	0	0	3	0	0	0	0
11:30-11:45	1	1	2	8	0	0	0	3	0	0	0	0
11:45-12:00	1	0	1	8	2	1	3	3	0	0	0	0
12:00-12:15	1	2	3	9	0	0	0	1	0	0	0	0
12:15-12:30	1	1	2	12	0	0	0	4	0	0	0	0
12:30-12:45	1	1	2	14	0	0	0	7	0	0	0	0
12:45-13:00	0	2	2	19	1	0	1	10	0	0	0	0
13:00-13:15	1	5	6	18	0	3	3	13	0	0	0	0
13:15-13:30	0	4	4	16	0	3	3	14	0	0	0	0
13:30-13:45	1	6	7	21	0	3	3	20	0	0	0	0
13:45-14:00	1	0	1	16	0	4	4	18	0	0	0	0
14:00-14:15	0	4	4	17	1	3	4	15	0	0	0	0
14:15-14:30	0	0	0	9	0	0	0	5	0	0	0	0
14:30-14:45	0	3	3	9	0	1	1	9	0	0	0	0
14:45-15:00	1	0	1	8	0	1	1	9	0	0	0	0
15:00-15:15	4	1	5	9	1	2	3	9	0	0	0	0
15:15-15:30	0	0	0	8	0	4	4	8	0	0	0	0
15:30-15:45	1	1	2	9	0	1	1	5	0	0	0	0
15:45-16:00	0	2	2	9	0	1	1	7	0	0	0	0
16:00-16:15	1	3	4	11	0	2	2	9	0	0	0	0
16:15-16:30	0	1	1	12	0	1	1	9	0	0	0	0
16:30-16:45	0	2	2	17	1	2	3	18	0	0	0	0
16:45-17:00	1	3	4	17	2	1	3	18	0	0	0	0
17:00-17:15	1	4	5	16	1	1	2	23	0	0	0	0
17:15-17:30	3	3	6	21	1	9	10	24	0	0	0	0
17:30-17:45	0	2	2	18	1	2	3	19	0	0	0	0
17:45-18:00	0	3	3	16	4	4	8	17	0	0	0	0
18:00-18:15	5	5	10	15	1	2	3	9	0	0	0	0
18:15-18:30	2	1	3		3	2	5		0	0	0	
18:30-18:45	0	0	0		0	1	1		0	0	0	
18:45-19:00	0	2	2		0	0	0		0	0	0	
12 HR TOTAL	33	113	146		22	79	101		0	0	0	

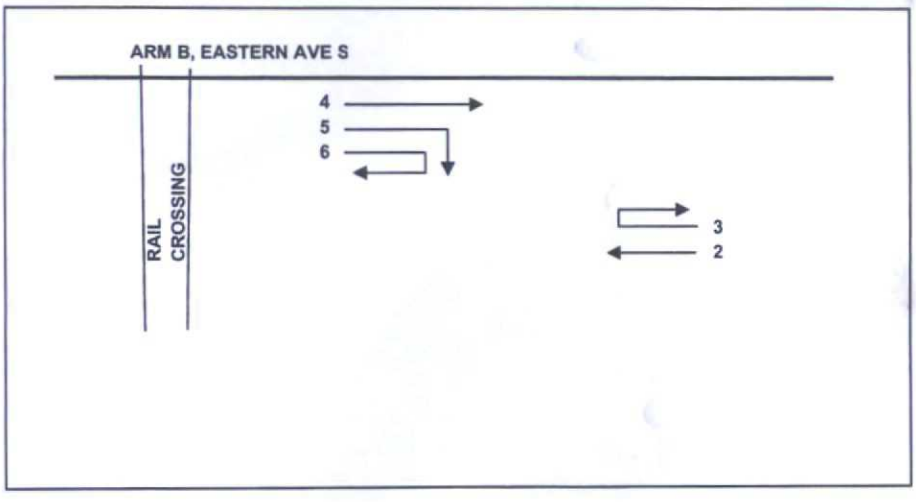
SHOREHAM 3
Turning Count Surveys from Video
16th May 2006

SITE: 1 **DAY: TUESDAY** **DATE: 16th MAY 2006**

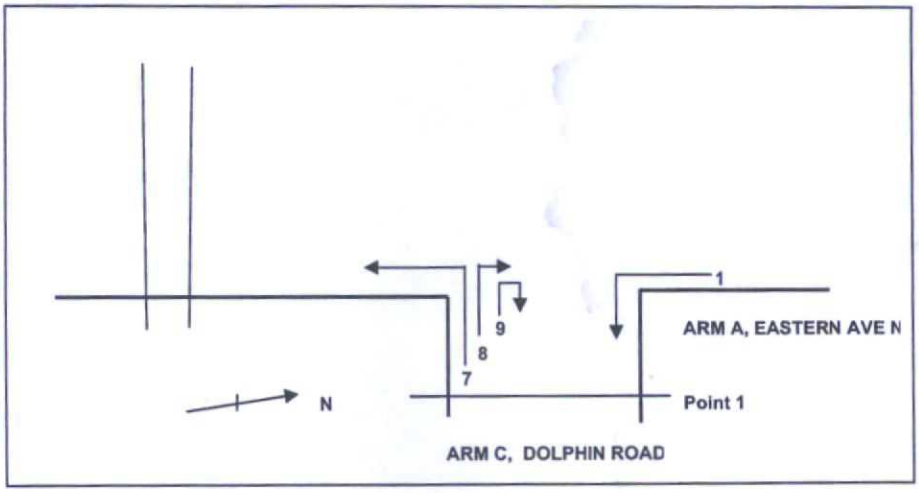
LOCATION: JUNCTION OF EASTERN AVENUE WITH DOLPHIN ROAD, SHOREHAM

TIME	MOVEMENT: ALL IN TO JUNCTION					MOVEMENT: ALL OUT OF JUNCTION				
Qrt Hour	A	B	C	TOT	HR	A	B	C	TOT	HR
07:00-07:15	13	7	7	27	89	5	8	14	27	89
07:15-07:30	15	8	2	25	93	4	5	16	25	93
07:30-07:45	6	3	6	15	111	6	6	3	15	111
07:45-08:00	9	8	5	22	112	3	10	9	22	112
08:00-08:15	15	8	8	31	112	6	12	13	31	112
08:15-08:30	22	11	10	43	102	10	13	20	43	102
08:30-08:45	8	3	5	16	78	1	11	4	16	78
08:45-09:00	10	3	9	22	69	3	16	3	22	69
09:00-09:15	15	5	1	21	61	4	12	5	21	61
09:15-09:30	5	13	1	19	52	5	6	8	19	52
09:30-09:45	3	1	3	7	49	2	4	1	7	49
09:45-10:00	7	6	1	14	57	5	7	2	14	57
10:00-10:15	5	6	1	12	51	5	3	4	12	51
10:15-10:30	5	4	7	16	68	1	10	5	16	68
10:30-10:45	4	6	5	15	61	7	7	1	15	61
10:45-11:00	2	2	4	8	60	3	5	0	8	60
11:00-11:15	6	14	9	29	64	14	15	0	29	64
11:15-11:30	6	2	1	9	59	0	7	2	9	59
11:30-11:45	6	6	2	14	65	6	5	3	14	65
11:45-12:00	2	6	4	12	63	5	2	5	12	63
12:00-12:15	8	13	3	24	79	6	10	8	24	79
12:15-12:30	7	6	2	15	74	4	6	5	15	74
12:30-12:45	2	8	2	12	95	3	4	5	12	95
12:45-13:00	9	16	3	28	100	12	10	6	28	100
13:00-13:15	4	6	9	19	89	7	9	3	19	89
13:15-13:30	9	20	7	36	89	14	9	13	36	89
13:30-13:45	2	5	10	17	68	6	8	3	17	68
13:45-14:00	7	5	5	17	67	5	8	4	17	67
14:00-14:15	5	6	8	19	68	8	8	3	19	68
14:15-14:30	6	9	0	15	64	2	5	8	15	64
14:30-14:45	7	5	4	16	65	5	7	4	16	65
14:45-15:00	5	11	2	18	67	9	5	4	18	67
15:00-15:15	2	5	8	15	73	6	6	3	15	73
15:15-15:30	4	8	4	16	68	9	3	4	16	68
15:30-15:45	9	6	3	18	73	6	10	2	18	73
15:45-16:00	15	6	3	24	73	4	11	9	24	73
16:00-16:15	1	3	6	10	67	3	4	3	10	67
16:15-16:30	12	7	2	21	72	7	11	3	21	72
16:30-16:45	5	8	5	18	89	6	7	5	18	89
16:45-17:00	4	7	7	18	91	6	6	6	18	91
17:00-17:15	3	5	7	15	99	7	6	2	15	99
17:15-17:30	5	17	16	38	114	22	8	8	38	114
17:30-17:45	4	11	5	20	97	12	3	5	20	97
17:45-18:00	4	11	11	26	88	16	3	7	26	88
18:00-18:15	7	10	13	30	82	10	16	4	30	82
18:15-18:30	5	8	8	21		10	6	5	21	
18:30-18:45	6	4	1	11		2	2	7	11	
18:45-19:00	6	12	2	20		11	5	4	20	
12 HR TOTAL	327	360	247	934		313	360	261	934	

SHOREHAM 3
Turning Count Surveys from Video
16th May 2006



SHOREHAM 3
Turning Count Surveys from Video
16th May 2006



SHOREHAM 3
Traffic and Pedestrian Flows from Video
16th May 2006

SITE: 1 **ROAD: DOLPHIN ROAD** **DAY: TUESDAY**

LOCATION: POINT 1, JUST EAST OF EASTERN AVENUE **DATE: 16th MAY 2006**

TIME	DOLPHIN ROAD ALL WESTBOUND				DOLPHIN ROAD ALL EASTBOUND			
Qrt Hour	CAR LGVs	HGVs PSVs	TOT	HR	CAR LGVs	HGVs PSVs	TOT	HR
07:00-07:15	64	1	65	115	70	4	74	284
07:15-07:30	10	3	13	74	95	3	98	282
07:30-07:45	16	3	19	81	45	4	49	279
07:45-08:00	13	5	18	84	61	2	63	298
08:00-08:15	22	2	24	83	71	1	72	255
08:15-08:30	15	5	20	82	91	4	95	212
08:30-08:45	17	5	22	77	65	3	68	159
08:45-09:00	14	3	17	77	20	0	20	121
09:00-09:15	22	1	23	93	26	3	29	132
09:15-09:30	15	0	15	89	33	9	42	125
09:30-09:45	17	5	22	94	25	5	30	106
09:45-10:00	25	8	33	98	23	8	31	106
10:00-10:15	14	5	19	88	16	6	22	86
10:15-10:30	15	5	20	95	18	5	23	98
10:30-10:45	20	6	26	97	28	2	30	93
10:45-11:00	20	3	23	95	6	5	11	81
11:00-11:15	21	5	26	96	26	8	34	99
11:15-11:30	22	0	22	100	18	0	18	95
11:30-11:45	22	2	24	100	17	1	18	100
11:45-12:00	22	2	24	115	27	2	29	117
12:00-12:15	26	4	30	145	28	2	30	115
12:15-12:30	20	2	22	146	19	4	23	121
12:30-12:45	37	2	39	149	29	6	35	131
12:45-13:00	53	1	54	146	23	4	27	133
13:00-13:15	27	4	31	111	32	4	36	148
13:15-13:30	24	1	25	108	33	0	33	137
13:30-13:45	32	4	36	107	36	1	37	122
13:45-14:00	19	0	19	98	36	6	42	109
14:00-14:15	27	1	28	100	20	5	25	86
14:15-14:30	23	1	24	87	13	5	18	76
14:30-14:45	25	2	27	80	21	3	24	81
14:45-15:00	21	0	21	69	15	4	19	85
15:00-15:15	11	4	15	71	11	4	15	88
15:15-15:30	15	2	17	101	23	0	23	97
15:30-15:45	14	2	16	112	22	6	28	97
15:45-16:00	23	0	23	150	17	5	22	88
16:00-16:15	42	3	45	167	22	2	24	85
16:15-16:30	24	4	28	183	20	3	23	74
16:30-16:45	51	3	54	237	18	1	19	68
16:45-17:00	39	1	40	227	19	0	19	64
17:00-17:15	61	0	61	230	12	1	13	68
17:15-17:30	81	1	82	232	12	5	17	70
17:30-17:45	44	0	44	176	15	0	15	67
17:45-18:00	41	2	43	156	23	0	23	70
18:00-18:15	63	0	63	143	14	1	15	65
18:15-18:30	25	1	26		14	0	14	
18:30-18:45	23	1	24		18	0	18	
18:45-19:00	28	2	30		16	2	18	
12 HR TOTAL	1325	117	1442		1362	149	1511	

SHOREHAM 3
Traffic and Pedestrian Flows from Video
16th May 2006

SITE: 1 **ROAD: DOLPHIN ROAD** **DAY: TUESDAY**

LOCATION: POINT 1, JUST EAST OF EASTERN AVENUE **DATE: 16th MAY 2006**

TIME	DOLPHIN ROAD ALL WESTBOUND				DOLPHIN ROAD ALL EASTBOUND			
Qrt Hour	CYCLE	PED	TOT	HR	CYCLE	PED	TOT	HR
07:00-07:15	2	5	7	20	8	6	14	42
07:15-07:30	1	1	2	21	6	10	16	41
07:30-07:45	0	6	6	29	3	0	3	45
07:45-08:00	1	4	5	28	4	5	9	46
08:00-08:15	1	7	8	32	5	8	13	40
08:15-08:30	0	10	10	25	5	15	20	32
08:30-08:45	0	5	5	16	2	2	4	20
08:45-09:00	1	8	9	14	0	3	3	17
09:00-09:15	1	0	1	6	0	5	5	16
09:15-09:30	0	1	1	6	2	6	8	15
09:30-09:45	0	3	3	12	0	1	1	12
09:45-10:00	0	1	1	14	0	2	2	12
10:00-10:15	0	1	1	17	2	2	4	10
10:15-10:30	0	7	7	25	1	4	5	6
10:30-10:45	0	5	5	19	0	1	1	3
10:45-11:00	2	2	4	16	0	0	0	5
11:00-11:15	0	9	9	16	0	0	0	10
11:15-11:30	0	1	1	10	0	2	2	18
11:30-11:45	1	1	2	11	0	3	3	21
11:45-12:00	3	1	4	11	2	3	5	23
12:00-12:15	1	2	3	10	0	8	8	24
12:15-12:30	1	1	2	16	1	4	5	19
12:30-12:45	1	1	2	21	1	4	5	27
12:45-13:00	1	2	3	29	2	4	6	25
13:00-13:15	1	8	9	31	0	3	3	23
13:15-13:30	0	7	7	30	2	11	13	23
13:30-13:45	1	9	10	23	0	3	3	18
13:45-14:00	1	4	5	17	1	3	4	19
14:00-14:15	1	7	8	14	1	2	3	19
14:15-14:30	0	0	0	14	3	5	8	19
14:30-14:45	0	4	4	18	0	4	4	15
14:45-15:00	1	1	2	17	0	4	4	13
15:00-15:15	5	3	8	18	2	1	3	18
15:15-15:30	0	4	4	16	0	4	4	18
15:30-15:45	1	2	3	14	0	2	2	17
15:45-16:00	0	3	3	16	2	7	9	20
16:00-16:15	1	5	6	20	0	3	3	17
16:15-16:30	0	2	2	21	2	1	3	16
16:30-16:45	1	4	5	35	1	4	5	21
16:45-17:00	3	4	7	35	0	6	6	21
17:00-17:15	2	5	7	39	0	2	2	22
17:15-17:30	4	12	16	45	3	5	8	24
17:30-17:45	1	4	5	37	2	3	5	21
17:45-18:00	4	7	11	33	0	7	7	23
18:00-18:15	6	7	13	24	1	3	4	20
18:15-18:30	5	3	8		1	4	5	
18:30-18:45	0	1	1		3	4	7	
18:45-19:00	0	2	2		1	3	4	
12 HR TOTAL	55	192	247		69	192	261	

SHOREHAM 3
Traffic and Pedestrian Flows from Video
16th May 2006

SITE: 2 **ROAD: DOLPHIN ROAD** **DAY: TUESDAY**

LOCATION: DOLPHIN ROAD 2 **DATE: 16th MAY 2006**

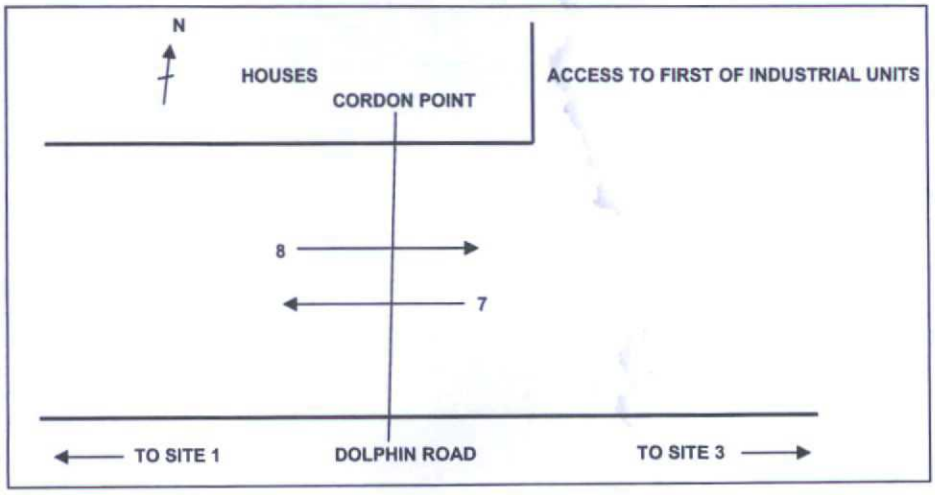
TIME	MOVEMENT 7 AWAY FROM CAMERA ALL WESTBOUND				MOVEMENT 8 TOWARDS FROM CAMERA: ALL EASTBOUND			
Qrt Hour	CAR LGVs	HGVs PSVs	TOT	HR	CAR LGVs	HGVs PSVs	TOT	HR
07:00-07:15	61	1	62	100	67	4	71	279
07:15-07:30	8	3	11	54	96	3	99	276
07:30-07:45	11	3	14	60	45	3	48	270
07:45-08:00	8	5	13	65	58	3	61	292
08:00-08:15	14	2	16	63	67	1	68	248
08:15-08:30	13	4	17	66	89	4	93	209
08:30-08:45	13	6	19	61	68	2	70	156
08:45-09:00	9	2	11	71	17	0	17	111
09:00-09:15	18	1	19	80	26	3	29	119
09:15-09:30	12	0	12	76	32	8	40	111
09:30-09:45	24	5	29	84	23	2	25	93
09:45-10:00	15	5	20	78	17	8	25	91
10:00-10:15	10	5	15	85	14	7	21	78
10:15-10:30	15	5	20	84	19	3	22	89
10:30-10:45	19	4	23	83	22	1	23	83
10:45-11:00	22	5	27	80	10	2	12	77
11:00-11:15	12	2	14	77	25	7	32	89
11:15-11:30	19	0	19	91	15	1	16	78
11:30-11:45	18	2	20	91	16	1	17	83
11:45-12:00	23	1	24	110	23	1	24	92
12:00-12:15	23	5	28	132	19	2	21	95
12:15-12:30	16	3	19	135	19	2	21	107
12:30-12:45	36	3	39	141	21	5	26	113
12:45-13:00	44	2	46	133	23	4	27	120
13:00-13:15	25	6	31	105	30	3	33	133
13:15-13:30	22	3	25	102	27	0	27	123
13:30-13:45	28	3	31	106	33	0	33	109
13:45-14:00	17	1	18	95	35	5	40	98
14:00-14:15	26	2	28	93	19	4	23	73
14:15-14:30	23	6	29	80	8	5	13	58
14:30-14:45	18	2	20	65	20	2	22	61
14:45-15:00	16	0	16	59	11	4	15	62
15:00-15:15	14	1	15	62	5	3	8	65
15:15-15:30	13	1	14	91	16	0	16	79
15:30-15:45	11	3	14	104	17	6	23	81
15:45-16:00	19	0	19	137	13	5	18	72
16:00-16:15	41	3	44	154	21	1	22	68
16:15-16:30	23	4	27	171	16	2	18	58
16:30-16:45	46	1	47	224	13	1	14	49
16:45-17:00	35	1	36	218	14	0	14	45
17:00-17:15	61	0	61	225	11	1	12	45
17:15-17:30	79	1	80	219	5	4	9	41
17:30-17:45	41	0	41	158	9	1	10	37
17:45-18:00	41	2	43	139	14	0	14	37
18:00-18:15	55	0	55	121	7	1	8	37
18:15-18:30	18	1	19		5	0	5	
18:30-18:45	21	1	22		10	0	10	
18:45-19:00	23	2	25		12	2	14	
12 HR TOTAL	1179	118	1297		1202	127	1329	

SHOREHAM 3
Traffic and Pedestrian Flows from Video
16th May 2006

SITE: 2 **ROAD: DOLPHIN ROAD** **DAY: TUESDAY**

LOCATION: DOLPHIN ROAD POINT 2 **DATE: 16th MAY 2006**

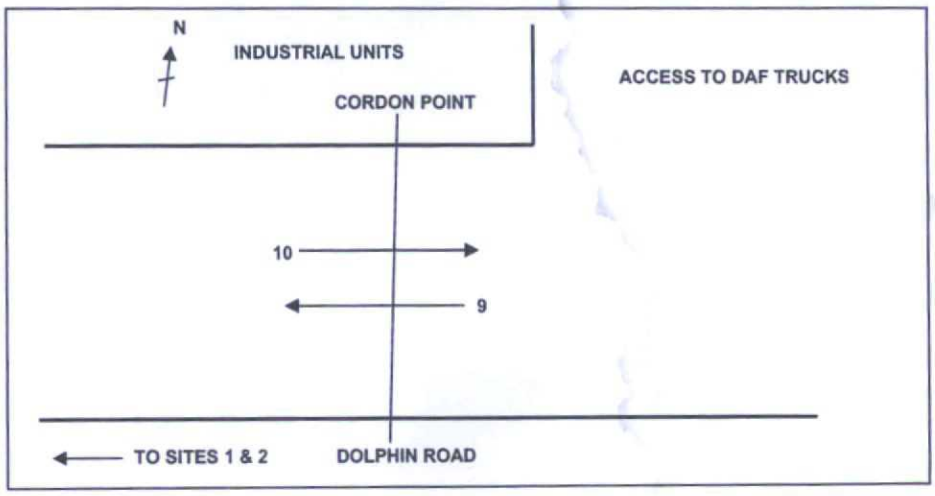
TIME	MOVEMENT 7 AWAY FROM CAMERA ALL WESTBOUND				MOVEMENT 8 TOWARDS FROM CAMERA: ALL EASTBOUND			
Qrt Hour	CYCLE	PED	TOT	HR	CYCLE	PED	TOT	HR
07:00-07:15	1	3	4	5	6	3	9	41
07:15-07:30	0	0	0	1	7	9	16	47
07:30-07:45	0	0	0	2	3	4	7	54
07:45-08:00	0	1	1	6	5	4	9	53
08:00-08:15	0	0	0	5	4	11	15	47
08:15-08:30	0	1	1	6	8	15	23	34
08:30-08:45	0	4	4	6	2	4	6	16
08:45-09:00	0	0	0	2	0	3	3	11
09:00-09:15	1	0	1	2	1	1	2	13
09:15-09:30	0	1	1	3	2	3	5	14
09:30-09:45	0	0	0	3	0	1	1	12
09:45-10:00	0	0	0	4	1	4	5	11
10:00-10:15	0	2	2	4	2	1	3	6
10:15-10:30	0	1	1	4	0	3	3	5
10:30-10:45	0	1	1	3	0	0	0	3
10:45-11:00	0	0	0	3	0	0	0	6
11:00-11:15	0	2	2	4	2	0	2	8
11:15-11:30	0	0	0	3	1	0	1	11
11:30-11:45	1	0	1	3	0	3	3	11
11:45-12:00	0	1	1	5	2	0	2	9
12:00-12:15	0	1	1	7	1	4	5	10
12:15-12:30	0	0	0	16	1	0	1	8
12:30-12:45	1	2	3	20	1	0	1	15
12:45-13:00	0	3	3	20	1	2	3	16
13:00-13:15	3	7	10	20	0	3	3	15
13:15-13:30	0	4	4	16	2	6	8	13
13:30-13:45	1	2	3	12	0	2	2	6
13:45-14:00	1	2	3	12	0	2	2	5
14:00-14:15	1	5	6	11	1	0	1	5
14:15-14:30	0	0	0	19	0	1	1	5
14:30-14:45	0	3	3	19	0	1	1	4
14:45-15:00	2	0	2	19	0	2	2	4
15:00-15:15	5	9	14	17	0	1	1	4
15:15-15:30	0	0	0	8	0	0	0	3
15:30-15:45	1	2	3	11	0	1	1	3
15:45-16:00	0	0	0	11	0	2	2	2
16:00-16:15	2	3	5	15	0	0	0	2
16:15-16:30	0	3	3	18	0	0	0	2
16:30-16:45	1	2	3	33	0	0	0	3
16:45-17:00	3	1	4	36	0	2	2	3
17:00-17:15	4	4	8	39	0	0	0	2
17:15-17:30	4	14	18	37	0	1	1	2
17:30-17:45	2	4	6	21	0	0	0	1
17:45-18:00	5	2	7	16	0	1	1	1
18:00-18:15	4	2	6	9	0	0	0	2
18:15-18:30	1	1	2		0	0	0	
18:30-18:45	0	1	1		0	0	0	
18:45-19:00	0	0	0		1	1	2	
12 HR TOTAL	44	94	138		54	101	155	


N
HOUSES
CORDON POINT
ACCESS TO FIRST OF INDUSTRIAL UNITS
8
7
TO SITE 1
DOLPHIN ROAD
TO SITE 3

SITE: 3 **ROAD: DOLPHIN ROAD** **DAY: TUESDAY**

LOCATION: DOLPHIN ROAD 3 **DATE: 16th MAY 2006**

TIME	MOVEMENT 9 AWAY FROM CAMERA ALL WESTBOUND				MOVEMENT 10 TOWARDS FROM CAMERA: ALL EASTBOUND			
Qrt Hour	CAR LGVs	HGVs PSVs	TOT	HR	CAR LGVs	HGVs PSVs	TOT	HR
07:00-07:15	51	0	51	71	53	1	54	185
07:15-07:30	5	0	5	33	64	2	66	162
07:30-07:45	7	3	10	33	33	1	34	133
07:45-08:00	3	2	5	33	28	3	31	131
08:00-08:15	10	3	13	39	30	1	31	109
08:15-08:30	5	0	5	37	33	4	37	98
08:30-08:45	4	6	10	43	30	2	32	77
08:45-09:00	9	2	11	43	8	1	9	52
09:00-09:15	11	0	11	47	17	3	20	60
09:15-09:30	10	1	11	41	11	5	16	48
09:30-09:45	7	3	10	40	7	0	7	46
09:45-10:00	8	7	15	42	13	4	17	57
10:00-10:15	5	0	5	45	7	1	8	50
10:15-10:30	7	3	10	53	13	1	14	55
10:30-10:45	11	1	12	52	16	2	18	53
10:45-11:00	14	4	18	51	6	4	10	42
11:00-11:15	11	2	13	49	11	2	13	46
11:15-11:30	9	0	9	47	11	1	12	42
11:30-11:45	10	1	11	52	7	0	7	47
11:45-12:00	16	0	16	69	13	1	14	52
12:00-12:15	7	4	11	73	9	0	9	57
12:15-12:30	12	2	14	79	13	4	17	67
12:30-12:45	28	0	28	79	10	2	12	63
12:45-13:00	20	0	20	69	16	3	19	63
13:00-13:15	15	2	17	54	16	3	19	57
13:15-13:30	12	2	14	49	13	0	13	49
13:30-13:45	15	3	18	47	12	0	12	45
13:45-14:00	5	0	5	38	12	1	13	45
14:00-14:15	12	0	12	39	10	1	11	40
14:15-14:30	9	3	12	37	5	4	9	35
14:30-14:45	8	1	9	38	9	3	12	34
14:45-15:00	6	0	6	38	7	1	8	34
15:00-15:15	7	3	10	43	4	2	6	39
15:15-15:30	12	1	13	58	7	1	8	44
15:30-15:45	8	1	9	59	9	3	12	47
15:45-16:00	10	1	11	78	10	3	13	45
16:00-16:15	22	3	25	93	11	0	11	44
16:15-16:30	12	2	14	102	11	0	11	39
16:30-16:45	28	0	28	118	9	1	10	35
16:45-17:00	26	0	26	108	11	1	12	30
17:00-17:15	33	1	34	106	5	1	6	24
17:15-17:30	29	1	30	107	6	1	7	21
17:30-17:45	17	1	18	80	4	1	5	18
17:45-18:00	23	1	24	67	6	0	6	22
18:00-18:15	35	0	35	53	3	0	3	27
18:15-18:30	3	0	3		3	1	4	
18:30-18:45	5	0	5		9	0	9	
18:45-19:00	8	2	10		10	1	11	
12 HR TOTAL	640	72	712		661	77	738	


N
INDUSTRIAL UNITS
ACCESS TO DAF TRUCKS
CORDON POINT
10
9
TO SITES 1 & 2
DOLPHIN ROAD

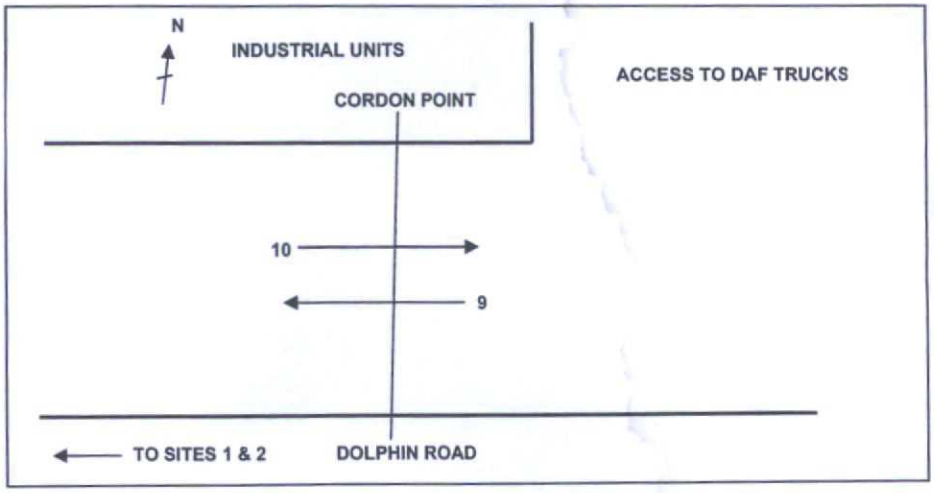
SHOREHAM 3
Traffic and Pedestrian Flows from Video
16th May 2006

SITE: 3 **ROAD: DOLPHIN ROAD** **DAY: TUESDAY**

LOCATION: DOLPHIN ROAD POINT 3 **DATE: 16th MAY 2006**

TIME	MOVEMENT 9 AWAY FROM CAMERA ALL WESTBOUND				MOVEMENT 10 TOWARDS FROM CAMERA: ALL EASTBOUND			
Qrt Hour	CYCLE	PED	TOT	HR	CYCLE	PED	TOT	HR
07:00-07:15	1	2	3	16	6	1	7	28
07:15-07:30	2	2	4	15	7	7	14	29
07:30-07:45	0	4	4	14	1	3	4	34
07:45-08:00	0	5	5	24	3	0	3	39
08:00-08:15	0	2	2	20	3	5	8	41
08:15-08:30	0	3	3	21	4	15	19	34
08:30-08:45	1	13	14	19	1	8	9	20
08:45-09:00	0	1	1	5	0	5	5	13
09:00-09:15	2	1	3	12	0	1	1	19
09:15-09:30	0	1	1	15	1	4	5	23
09:30-09:45	0	0	0	21	1	1	2	22
09:45-10:00	0	8	8	24	1	10	11	22
10:00-10:15	0	6	6	18	2	3	5	14
10:15-10:30	0	7	7	17	1	3	4	13
10:30-10:45	0	3	3	15	0	2	2	12
10:45-11:00	1	1	2	15	0	3	3	14
11:00-11:15	0	5	5	13	2	2	4	14
11:15-11:30	0	5	5	9	1	2	3	13
11:30-11:45	0	3	3	7	0	4	4	16
11:45-12:00	0	0	0	16	1	2	3	16
12:00-12:15	0	1	1	17	1	2	3	27
12:15-12:30	0	3	3	27	1	5	6	42
12:30-12:45	1	11	12	34	0	4	4	48
12:45-13:00	0	1	1	42	2	12	14	44
13:00-13:15	1	10	11	44	1	17	18	32
13:15-13:30	1	9	10	40	1	11	12	14
13:30-13:45	2	18	20	32	0	0	0	7
13:45-14:00	0	3	3	13	0	2	2	9
14:00-14:15	0	7	7	13	0	0	0	10
14:15-14:30	0	2	2	17	1	4	5	11
14:30-14:45	0	1	1	16	0	2	2	6
14:45-15:00	1	2	3	17	0	3	3	4
15:00-15:15	5	6	11	15	0	1	1	3
15:15-15:30	0	1	1	7	0	0	0	3
15:30-15:45	1	1	2	7	0	0	0	4
15:45-16:00	1	0	1	9	1	1	2	4
16:00-16:15	1	2	3	11	0	1	1	4
16:15-16:30	0	1	1	14	1	0	1	6
16:30-16:45	1	3	4	25	0	0	0	8
16:45-17:00	3	0	3	23	0	2	2	9
17:00-17:15	4	2	6	26	0	3	3	10
17:15-17:30	2	10	12	26	0	3	3	11
17:30-17:45	0	2	2	15	0	1	1	8
17:45-18:00	3	3	6	16	0	3	3	10
18:00-18:15	3	3	6	12	1	3	4	8
18:15-18:30	0	1	1		0	0	0	
18:30-18:45	0	3	3		0	3	3	
18:45-19:00	0	2	2		1	0	1	
12 HR TOTAL	37	180	217		46	164	210	

SHOREHAM 3
Traffic and Pedestrian Flows from Video
16th May 2006



SHOREHAM 3
Rail Crossing Survey from Video
16th May 2006

SITE: 1 **DAY: TUESDAY** **DATE: 6th MAY 2006**

RAIL CROSSING BARRIER, EASTERN AVENUE, SHOREHAM
QUEUES AND FLOWS WHEN BARRIERS DOWN

	TIME BARRIER DOWN	TIME BARRIER UP	TOTAL DOWN TIME	QUEUE LENGTH		OUTSIDE OVER-TAKERS:		OUT OF DOLPHIN ROAD	
				LIGHTS	HEAVIES	LIGHTS	HEAVIES	LIGHTS	HEAVIES
1	07:02:05	07:03:54	**00:01:49**	0	0	0	0	19	0
2	07:04:33	07:06:04	**00:01:31**	0	0	0	0	11	1
3	07:09:42	07:12:11	**00:02:29**	0	0	0	0	1	0
4	07:16:51	07:18:14	**00:01:23**	0	0	0	0	0	0
5	07:19:40	07:21:36	**00:01:56**	0	0	0	0	2	0
6	07:23:55	07:26:43	**00:02:48**	0	0	0	0	2	0
7	07:31:36	07:33:45	**00:02:09**	0	0	0	0	1	0
8	07:37:31	07:40:14	**00:02:43**	0	0	0	0	5	1
9	07:41:43	07:44:28	**00:02:45**	0	0	0	0	2	1
10	07:49:08	07:51:06	**00:01:58**	0	0	0	0	2	0
11	07:52:50	07:56:06	**00:03:16**	0	0	0	0	3	1
12	07:56:51	07:59:14	**00:02:23**	0	0	0	0	3	1
13	08:00:41	08:02:58	**00:02:17**	0	0	0	0	1	0
14	08:05:12	08:08:08	**00:02:56**	0	0	0	0	4	0
15	08:13:37	08:15:47	**00:02:10**	0	0	0	0	2	1
16	08:17:46	08:20:12	**00:02:26**	0	0	0	0	0	0
17	08:23:39	08:25:07	**00:01:28**	0	0	0	0	1	0
18	08:31:35	08:33:05	**00:01:30**	0	0	0	0	0	1
19	08:36:14	08:39:01	**00:02:47**	0	0	0	0	2	2
20	08:45:38	08:47:21	**00:01:43**	0	0	0	0	0	0
21	08:52:08	08:54:38	**00:02:30**	0	0	0	0	2	0
22	08:56:29	09:00:06	**00:03:37**	11	11	2	0	3	0
23	09:02:42	09:05:37	**00:02:55**	0	0	0	0	4	1
24	09:10:02	09:15:01	**00:04:59**	0	0	0	0	4	0

SITE: 1 **DAY: TUESDAY** **DATE: 6th MAY 2006**

RAIL CROSSING BARRIER, EASTERN AVENUE, SHOREHAM
QUEUES AND FLOWS WHEN BARRIERS DOWN

	TIME BARRIER DOWN	TIME BARRIER UP	TOTAL DOWN TIME	QUEUE LENGTH		OUTSIDE OVER-TAKERS:		OUT OF DOLPHIN ROAD	
				LIGHTS	HEAVIES	LIGHTS	HEAVIES	LIGHTS	HEAVIES
25	09:15:32	09:18:36	**00:03:04**	0	0	0	0	4	0
26	09:23:43	09:25:21	**00:01:38**	0	0	0	0	0	0
27	09:29:48	09:36:55	**00:07:07**	12	2	0	0	5	1
28	09:38:01	09:41:20	**00:03:19**	23	3	2	0	5	0
29	09:45:21	09:47:38	**00:02:17**	0	0	0	0	3	1
30	09:50:00	09:54:01	**00:04:01**	0	0	0	0	3	0
31	09:56:15	09:59:39	**00:03:24**	7	1	0	0	3	2
32	10:00:33	10:02:44	**00:02:11**	0	0	0	0	5	0
33	10:03:21	10:05:21	**00:02:00**	9	2	1	0	2	0
34	10:11:14	10:14:07	**00:02:53**	0	0	0	0	0	0
35	10:15:28	10:18:03	**00:02:35**	0	0	0	0	3	0
36	10:22:12	10:24:41	**00:02:29**	0	0	0	0	5	1
37	10:27:49	10:29:56	**00:02:07**	0	0	0	0	0	0
38	10:32:13	10:36:00	**00:03:47**	0	0	0	0	1	0
39	10:38:04	10:40:02	**00:01:58**	0	0	0	0	1	1
40	10:42:31	10:44:37	**00:02:06**	0	0	0	0	3	2
41	10:49:31	11:02:32	**00:13:01**	26	3	0	1	14	3
42	11:04:20	11:08:10	**00:03:50**	12	0	2	2	5	2
43	11:10:04	11:14:04	**00:04:00**	8	0	1	0	4	0
44	11:15:50	11:19:46	**00:03:56**	6	1	1	0	1	0
45	11:25:39	11:37:12	**00:11:33**	22	2	4	0	7	0
46	11:39:08	11:44:56	**00:05:48**	11	0	7	0	7	0
47	11:46:03	11:51:19	**00:05:16**	19	0	0	0	10	2
48	11:52:48	12:09:36	**00:16:48**	26	1	14	0	21	4

SITE: 1 **DAY: TUESDAY** **DATE: 6th MAY 2006**

RAIL CROSSING BARRIER, EASTERN AVENUE, SHOREHAM
QUEUES AND FLOWS WHEN BARRIERS DOWN

	TIME BARRIER DOWN	TIME BARRIER UP	TOTAL DOWN TIME	QUEUE LENGTH		OUTSIDE OVER-TAKERS:		OUT OF DOLPHIN ROAD	
				LIGHTS	HEAVIES	LIGHTS	HEAVIES	LIGHTS	HEAVIES
49	12:12:27	12:16:53	**00:04:26**	11	5	4	0	2	1
50	12:17:43	12:19:53	**00:02:10**	14	1	2	0	5	0
51	12:23:53	12:29:49	**00:05:56**	17	2	1	0	6	0
52	12:33:02	12:38:22	**00:05:20**	9	1	7	0	13	1
53	12:40:34	12:45:12	**00:04:38**	0	0	0	0	6	1
54	12:49:18	12:51:03	**00:01:45**	0	0	0	0	8	0
55	12:52:15	12:54:57	**00:02:42**	0	0	0	0	5	1
56	12:58:09	12:59:37	**00:01:28**	0	0	0	0	5	0
57	13:00:15	13:01:42	**00:01:27**	0	0	0	0	3	1
58	13:04:41	13:07:18	**00:02:37**	0	0	0	0	6	2
59	13:12:44	13:14:50	**00:02:06**	0	0	0	0	0	0
60	13:17:11	13:19:20	**00:02:09**	0	0	0	0	2	0
61	13:27:09	13:29:13	**00:02:04**	9	1	0	0	4	0
62	13:31:31	13:33:50	**00:02:19**	0	0	0	0	5	0
63	13:34:35	13:40:00	**00:05:25**	0	0	0	0	8	1
64	13:42:18	13:44:41	**00:02:23**	0	0	0	0	3	1
65	13:49:58	13:54:16	**00:04:18**	7	1	0	0	2	0
66	13:56:49	13:58:41	**00:01:52**	0	0	0	0	1	0
67	13:59:46	14:02:17	**00:02:31**	0	0	0	0	2	0
68	14:04:19	14:06:28	**00:02:09**	0	0	0	0	5	0
69	14:12:01	14:14:56	**00:02:55**	0	0	0	0	7	1
70	14:17:15	14:18:59	**00:01:44**	0	0	0	0	2	0
71	14:23:15	14:25:08	**00:01:53**	0	0	0	0	1	0
72	14:29:15	14:30:47	**00:01:32**	0	0	0	0	4	0

SITE: 1 **DAY: TUESDAY** **DATE: 6th MAY 2006**

RAIL CROSSING BARRIER, EASTERN AVENUE, SHOREHAM
QUEUES AND FLOWS WHEN BARRIERS DOWN

	TIME BARRIER DOWN	TIME BARRIER UP	TOTAL DOWN TIME	QUEUE LENGTH		OUTSIDE OVER-TAKERS:		OUT OF DOLPHIN ROAD	
				LIGHTS	HEAVIES	LIGHTS	HEAVIES	LIGHTS	HEAVIES
73	14:32:08	14:36:40	**00:04:32**	0	0	0	0	5	0
74	14:38:52	14:41:02	**00:02:10**	0	0	0	0	1	1
75	14:46:59	14:49:14	**00:02:15**	7	1	0	0	2	0
76	14:52:48	14:55:40	**00:02:52**	0	0	0	0	8	0
77	14:58:16	15:00:13	**00:01:57**	0	0	0	0	1	0
78	15:01:35	15:03:50	**00:02:15**	0	0	0	0	2	1
79	15:05:21	15:06:54	**00:01:33**	0	0	0	0	5	0
80	15:11:07	15:15:36	**00:04:29**	9	0	0	0	1	0
81	15:16:20	15:18:08	**00:01:48**	0	0	0	0	3	0
82	15:23:09	15:24:56	**00:01:47**	4	2	0	0	2	0
83	15:27:57	15:30:06	**00:02:09**	7	0	0	0	3	1
84	15:32:53	15:37:35	**00:04:42**	15	2	0	1	2	1
85	15:39:20	15:41:09	**00:01:49**	3	0	0	0	2	0
86	15:43:27	15:45:39	**00:02:12**	10	0	0	0	2	0
87	15:50:09	15:54:35	**00:04:26**	7	1	1	0	4	0
88	15:58:58	16:02:53	**00:03:55**	6	1	0	0	10	0
89	16:04:29	16:06:42	**00:02:13**	0	0	0	0	6	0
90	16:12:19	16:15:20	**00:03:01**	0	0	0	0	7	2
91	16:19:54	16:21:52	**00:01:58**	0	0	0	0	3	1
92	16:22:49	16:24:49	**00:02:00**	0	0	0	0	2	0
93	16:27:34	16:29:30	**00:01:56**	0	0	0	0	2	0

SITE: 1 **DAY: TUESDAY** **DATE: 6th MAY 2006**

RAIL CROSSING BARRIER, EASTERN AVENUE, SHOREHAM
QUEUES AND FLOWS WHEN BARRIERS DOWN

	TIME BARRIER DOWN	TIME BARRIER UP	TOTAL DOWN TIME	QUEUE LENGTH		OUTSIDE OVER-TAKERS:		OUT OF DOLPHIN ROAD	
				LIGHTS	HEAVIES	LIGHTS	HEAVIES	LIGHTS	HEAVIES
94	16:32:38	16:36:16	**00:03:38**	15	0	0	0	13	2
95	16:40:28	16:41:56	**00:01:28**	0	0	0	0	3	0
96	16:43:53	16:45:09	**00:01:16**	0	0	0	0	6	0
97	16:51:05	16:52:22	**00:01:17**	0	0	0	0	4	0
98	16:53:22	16:56:07	**00:02:45**	0	0	0	0	5	1
99	17:00:01	17:02:22	**00:02:21**	10	1	0	0	7	0
100	17:04:36	17:07:11	**00:02:35**	10	0	0	0	10	0
101	17:12:25	17:14:54	**00:02:29**	9	0	0	0	3	0
102	17:15:56	17:17:48	**00:01:52**	0	0	0	0	18	0
103	17:24:32	17:26:45	**00:02:13**	0	0	0	0	11	0
104	17:32:38	17:34:42	**00:02:04**	0	0	0	0	9	0
105	17:36:01	17:38:07	**00:02:06**	0	0	0	0	3	0
106	17:39:12	17:40:40	**00:01:28**	0	0	0	0	5	0
107	17:43:13	17:45:16	**00:02:03**	0	0	0	0	3	0
108	17:50:53	17:52:18	**00:01:25**	0	0	0	0	6	1
109	17:55:57	17:59:34	**00:03:37**	0	0	0	0	10	0
110	18:03:37	18:06:48	**00:03:11**	0	0	0	0	16	0
111	18:09:24	18:11:50	**00:02:26**	0	0	0	0	6	0
112	18:15:06	18:17:32	**00:02:26**	0	0	0	0	5	0
113	18:20:06	18:22:41	**00:02:35**	0	0	0	0	5	0
114	18:30:02	18:32:32	**00:02:30**	0	0	0	0	5	0
115	18:40:29	18:45:11	**00:04:42**	9	1	0	0	8	1
116	18:47:36	18:51:11	**00:03:35**	0	0	0	0	1	1
	TOTALS	**116**	**05:49:26**	**380**	**46**	**49**	**4**	**526**	**52**

SITE: 1 **DAY: TUESDAY** **DATE: 6th MAY 2006**

RAIL CROSSING BARRIER, EASTERN AVENUE, SHOREHAM
QUEUES AND FLOWS WHEN BARRIERS DOWN

TIME BARRIER DOWN	TIME BARRIER UP	TOTAL DOWN TIME	QUEUE LENGTH		OUTSIDE OVER-TAKERS:		OUT OF DOLPHIN ROAD	
			LIGHTS	HEAVIES	LIGHTS	HEAVIES	LIGHTS	HEAVIES

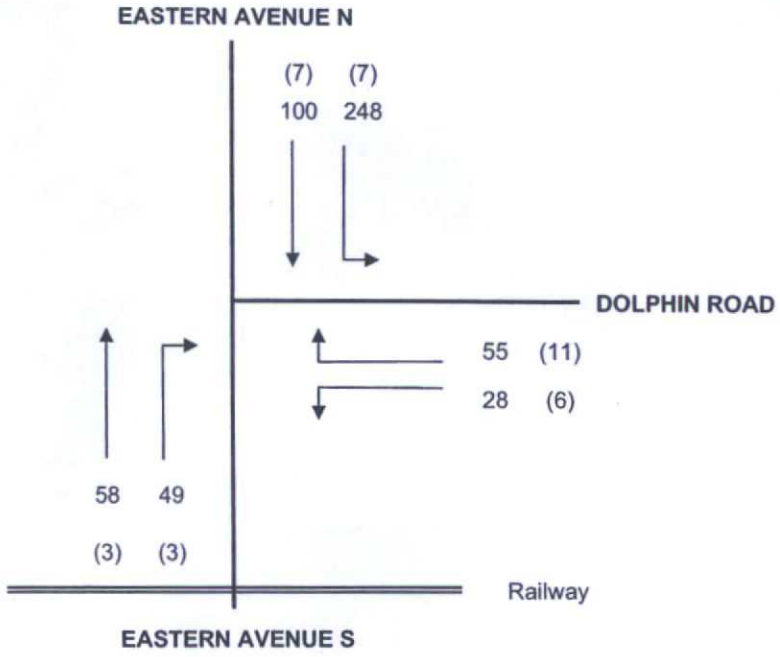
AM Peak Average: 00:02:47 **Max: 00:07:07**
Off-Peak Average: 00:03:17 **Max: 00:16:48**
PM Peak Average: 00:02:16 **Max: 00:03:38**

Undertaken by High Mast Video Ltd
On behalf of Mayer Brown

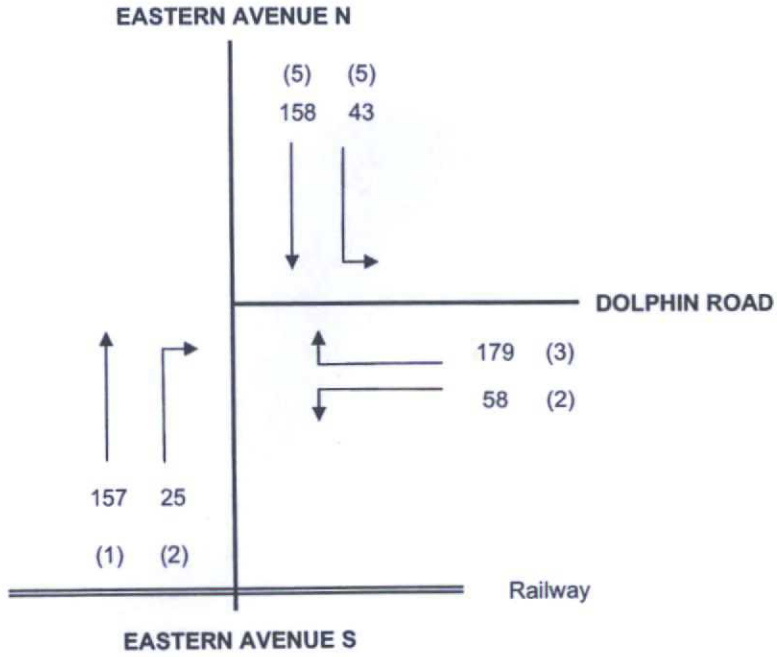
Appendix 9

2006 Observed Peak Hour Traffic Flows

Weekday AM Peak 0745-0845 Hours



Weekday PM Peak 1630-1730 Hours



mayer brown	Client	Hargreaves Management Ltd	Date Mar-07
	Project	Proposed Employment Development	Scale NTS
	Title	Observed Flows	

Appendix 10

Derivation of Local Traffic Growth Factors

Factors for different time periods

NRTF Table 3 Rates:

Type of Road :	Urban	Other
Factor in	2006 = 120.5	
Factor in	2007 = 122.7	
Factor from	2006 to 2027 = 1.018	

TEMPRO Car Driver Trip Growth Factors

AM Local Factor from	2006 to 2027 =	1.011
'Average day' GB Factor from	2006 to 2027 =	1.011
PM Local Factor from	2006 to 2027 =	1.011
'Average day' GB Factor from	2006 to 2027 =	1.011

Overall Traffic Growth on Local Roads

AM Factor from	2006 to 2027 =		1.018
PM Factor from	2006 to 2027 =		1.018

NRTF Table 3

	Rural Roads				Urban Roads			
	Motorways	Trunk & Principal dual	Other	Total	Motorways	Trunk & Principal dual	Other	Total
1998 = 100	100	100	100	100	100	100	100	100
1997	103.0	101.9	101.9	101.4	101.9	101.9	101.9	101.9
1998	106.1	103.9	102.7	103.9	103.9	103.9	103.9	103.9
1999	109.3	105.9	104.1	105.9	105.9	105.9	105.9	105.9
2000	112.6	107.9	105.9	107.9	107.9	107.9	107.9	107.9
2001	116	110	107	110	110	110	110	110
2002	119.2	111.8	108.4	111.9	111.8	111.9	111.8	111.9
2003	122.4	113.6	109.8	113.7	113.6	113.7	113.6	113.7
2004	125.8	115.4	111.3	115.4	115.4	115.4	115.4	115.4
2005	129.2	117.2	112.8	117.2	117.2	117.2	117.2	117.2
2006	132.8	119.1	114.3	119.1	119.1	119.1	119.1	119.1
2007	136.4	121.0	115.8	121.0	121.0	121.0	121.0	121.0
2008	140.2	123.0	117.3	123.0	123.0	123.0	123.0	123.0
2009	144.0	125.0	118.8	125.0	125.0	125.0	125.0	125.0
2010	147.9	127.0	120.4	127.0	127.0	127.0	127.0	127.0
2011	152	129	122	129	129	129	129	129
2012	155.9	131.0	123.6	131.0	131.0	131.0	131.0	131.0
2013	159.8	133.0	125.2	133.0	133.0	133.0	133.0	133.0
2014	163.9	135.0	126.8	135.0	135.0	135.0	135.0	135.0
2015	168.0	137.0	128.4	137.0	137.0	137.0	137.0	137.0
2016	172.1	139.0	130.0	139.0	139.0	139.0	139.0	139.0
2017	176.4	141.0	131.6	141.0	141.0	141.0	141.0	141.0
2018	180.7	143.0	133.2	143.0	143.0	143.0	143.0	143.0
2019	185.2	145.0	134.8	145.0	145.0	145.0	145.0	145.0
2020	189.8	147.0	136.4	147.0	147.0	147.0	147.0	147.0
2021	194.5	149	138	149	149	149	149	149

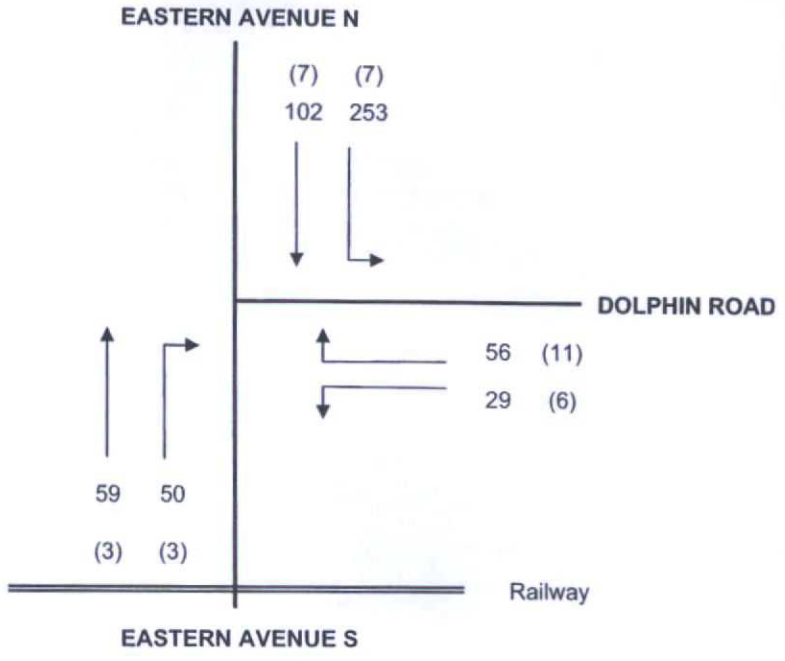
AM Peak				PM Peak			
O	D	O	D	O	D	O	D
1.010	1.012	1.011	1.010	1.010	1.012	1.011	1.010

2005-2007
Shoreham

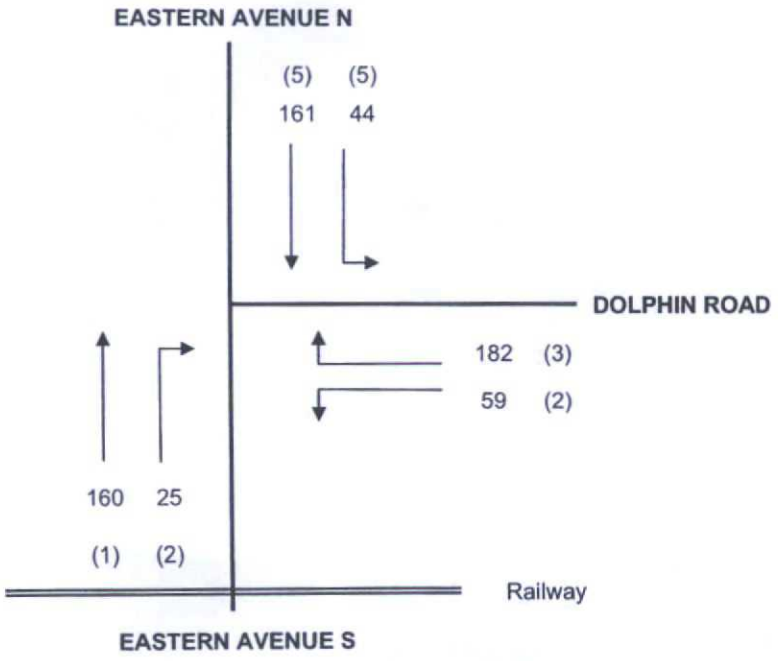
Appendix 11

2007 Base Peak Hour Traffic Flows

Weekday AM Peak 0745-0845 Hours



Weekday PM Peak 1630-1730 Hours



mayer brown	Client	Hargreaves Management Ltd	Date Mar-07
	Project	Proposed Employment Development	Scale NTS
	Title	2007 Base Flows	

Appendix 12

TRICS Assessment

26 Dolphin Road, Shoreham-by-Sea
Estimation of Trip Rates

AM Peak Hour 0745-0845 Hours

Arrivals 0700-0800

Site Ref	Trip Rate
ES-02-D-04	1.19
NY-02-D-01	1.17
KH-02-D-02	1.08
GL-02-D-03	0.84
NB-02-D-01	0.60
ST-02-D-04	0.59
NF-02-D-02	0.55
DC-02-D-19	0.45
SF-02-D-01	0.37
LN-02-D-01	0.26
CB-02-D-03	0.26
DS-02-D-01	0.18
MS-02-D-05	0.04
85th %ile	**1.10**

Arrivals 0800-0900

Site Ref	Trip Rate
ES-02-D-04	2.43
NY-02-D-01	2.01
KH-02-D-02	1.98
NB-02-D-01	1.51
WM-02-D-01	1.20
ST-02-D-04	1.13
GL-02-D-03	1.03
DC-02-D-19	0.66
LN-02-D-01	0.56
NF-02-D-02	0.47
CB-02-D-03	0.41
SF-02-D-01	0.37
DS-02-D-01	0.22
MS-02-D-05	0.03
85th %ile	**1.98**

0745-0845: 1.76

Departures 0700-0800

Site Ref	Trip Rate
NY-02-D-01	0.84
LN-02-D-01	0.52
NB-02-D-01	0.27
CB-02-D-03	0.26
GL-02-D-03	0.25
ST-02-D-04	0.24
ES-02-D-04	0.20
MS-02-D-05	0.12
DC-02-D-19	0.12
SF-02-D-01	0.11
DS-02-D-01	0.11
NF-02-D-02	0.09
KH-02-D-02	0.09
85th %ile	**0.32**

Departures 0800-0900

Site Ref	Trip Rate
NY-02-D-01	1.00
NB-02-D-01	0.90
KH-02-D-02	0.86
GL-02-D-03	0.62
ES-02-D-04	0.60
ST-02-D-04	0.49
WM-02-D-01	0.32
LN-02-D-01	0.30
SF-02-D-01	0.17
CB-02-D-03	0.16
DC-02-D-19	0.12
NF-02-D-02	0.11
DS-02-D-01	0.09
MS-02-D-05	0.03
85th %ile	**0.86**

0745-0845: 0.73

PM Peak Hour 1630-1730 Hours

Arrivals

Site Ref	Trip Rate
NY-02-D-01	0.67
NB-02-D-01	0.67
LN-02-D-01	0.64
KH-02-D-02	0.45
ES-02-D-04	0.45

Departures

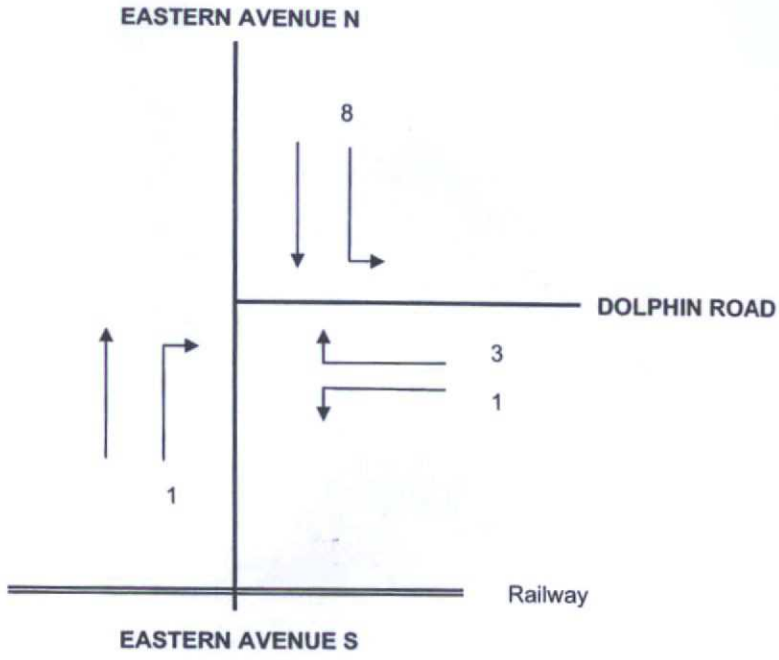
Site Ref	Trip Rate
ES-02-D-04	1.84
KH-02-D-02	1.80
NY-02-D-01	1.42
NB-02-D-01	1.32
ST-02-D-04	0.99

GL-02-D-03	0.39	DC-02-D-19	0.75
ST-02-D-04	0.37	WM-02-D-01	0.72
WM-02-D-01	0.20	GL-02-D-03	0.66
CB-02-D-03	0.20	LN-02-D-01	0.65
DC-02-D-19	0.17	NF-02-D-02	0.59
SF-02-D-01	0.14	SF-02-D-01	0.43
NF-02-D-02	0.14	CB-02-D-03	0.33
MS-02-D-05	0.09	DS-02-D-01	0.23
DS-02-D-01	0.08	MS-02-D-05	0.09
85th %ile	**0.64**	**85th %ile**	**1.44**

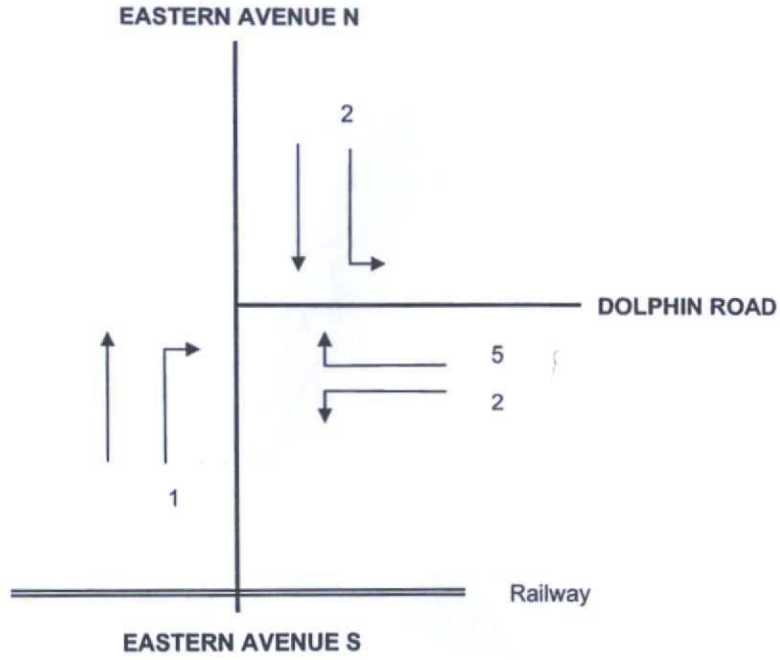
Appendix 13

Peak Hour Development Trips

Weekday AM Peak 0745-0845 Hours



Weekday PM Peak 1630-1730 Hours

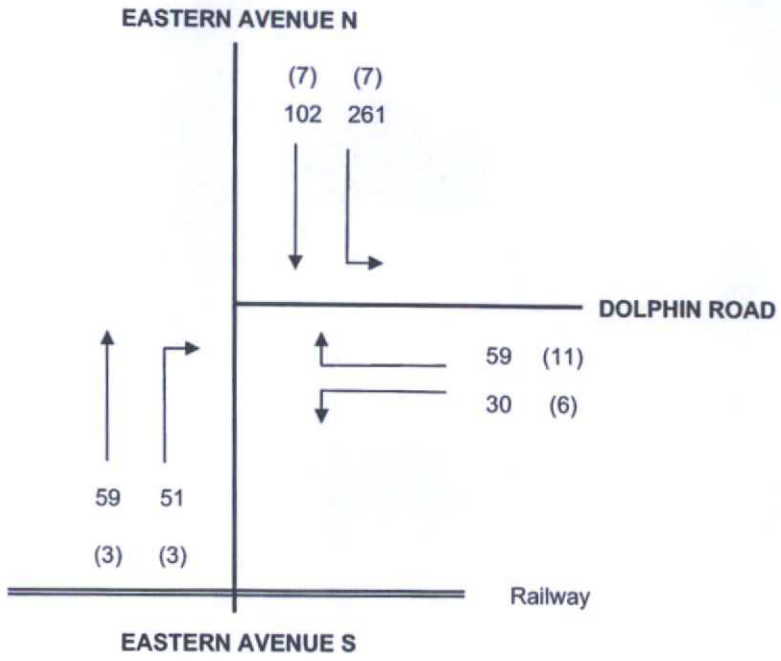


mayer brown	Client: Hargreaves Management Ltd	Date: Mar-07	
	Project: Proposed Employment Development	Scale: NTS	
	Title: Development Trips		

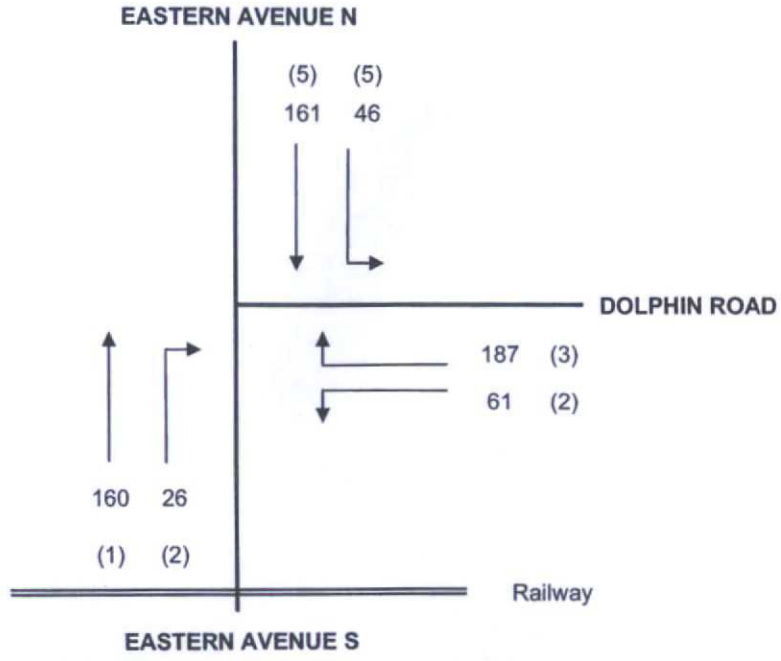
Appendix 14

2007 With-Development Peak Hour Traffic Flows

Weekday AM Peak 0745-0845 Hours



Weekday PM Peak 1630-1730 Hours



mayer brown	Client: Hargreaves Management Ltd	Date: Mar-07	
	Project: Proposed Employment Development	Scale: NTS	
	Title: Total 2007 with-Development Flows		