

MetroWest*

Portishead Branch Line (MetroWest Phase 1)

TR040011

Applicant: North Somerset District Council

9.23 ExA.ISH2.D4.V1 – Appendix 5 to Applicant's Oral Case and response to Representations at the Issue Specific Hearing 2 (ISH2)

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Subject Draft revised Chapter 5 of CTMP,

incorporating HE SoCG analysis

Project Name

Portishead Branch Line (MetroWest

Phase 1)

Attention Deadline 4 (ISH2 actions)

Project No.

TR040011

From GW

Date 14 January 2021

This note sets out the current draft of Chapter 5 of the Construction Traffic Management Plan (CTMP), which discusses 'Construction Traffic Generation & Impacts Assessment'. The draft in this note includes updated and augmented analysis from the initial version of the CTMP (document ref: APP-210).

It should be noted that the analysis in this note was put together as part of the development of the Statement of Common Ground (SoCG) between Highways England (HE) and the Applicant. As such, the analysis was aimed at understanding the potential impact of construction traffic on the Strategic Road Network (SRN), which, pertaining to construction of the Portishead Branch Line scheme, focuses on potential impacts on M5 Junction 19.

As well as the specific focus on the SRN, assumptions underpinning the analysis have been enhanced from those used in the initial version of the CTMP. In particular, this has introduced a more detailed understanding of the way that the construction process could make use of the compounds identified as bases for construction activity, as well as the way that the level of activity (and hence demand for traffic movements) is likely to vary over the course of the programme of construction.



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Chapter 5: Construction Traffic Generation & Impacts Assessment

1. Introduction

This section assesses how much traffic will be generated throughout the construction period, drawing on the Construction Strategy and other GRIP3 deliverables. Key activities have been assessed, in particular deliveries of the material to each of the main compounds and the personnel attending both the satellite and main compounds during the construction period.

2. Approach to assessment

The initial process was to look at the materials required and assess what could be brought in by rail and what would be transported by road. The road deliveries were then looked at to assess the volumes, vehicle size required and trip numbers required to bring the volume to site.

The construction programme was then assessed to establish the period over which the deliveries would be made on order to give the trips per day with the trips then distributed across the main compounds.

Secondly facilities and personnel requirements were assessed to establish the trips generated. The key focus is operatives attending every day during the period of construction, with reference to mobilisation, maintenance and management of sites. This was looked at on a compound by compound basis with the total number of trips required at each location distributed over the length of the programme.

Finally, the routes to each of the compounds were assessed to establish the key links that would be used by construction traffic and those attending site.

To complete the assessment the material delivery trips and facilities and personnel trips were attributed to each of the links to attain total trips on each of the links per day. The trips were then distributed across construction periods and working days to establish trips generated per hour, assuming a number of different site operating scenarios, in order to consider impacts on traffic at different times of the day in context.

3. Overview of the transport of ballast materials

Movement of ballast materials is the most significant single transport element of the scheme. The likely traffic generation arising from the excavation and track works (for the disused section) has been detailed within the Construction Strategy (DCO Document Reference 5.4) and presented in Table 5.1.



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Table 5.1: Vehicle movements during construction

Component	No. of vehicle movements
Disused Line	
Excavation	It is estimated that approximately 1,200-1,800 vehicle loads will be required to remove the spoil from the disused line (based on 15,000 m³ of material, converted into 22,500 tonnes of waste which divide into 20 ton loads per muckaway tipper).
	Spread over an estimated 2-3 months to complete the excavation works this will equate to approximately 40-60 vehicle movements per day – this is for excavation works only and will be subject to Contractors methodology. A full traffic management plan will be completed by the Contractor prior to construction.
	It is estimated that approximately 20-30 engineering trains are required to remove the spoil (depending on length of train permitted).
Track Formation and bottom ballast	At this early indicative stage it is estimated that approximately 11,500 cubic metres of Type 1 formation material and 7,000 cubic metres of bottom ballast (below sleepers) is required. Using a density of 1.9 tonnes per cubic metre for Type 1 and 1.75 tonnes per cubic metre for ballast this equates to approximately 34,500 tonnes of material. Using 20 tonne muckaway trucks, this equates to 1,500 to 2,000 vehicle movements. This results in approximately 30-40 local (sub region) vehicle movements per day for material delivery only over a 3-4 month programme.
	It is estimated that between 20-30 engineering trains would be required to deliver the new material to site (depending on length of train permitted).

Ballast material movements will be concentrated at the Lodway Farm and Portbury Hundred compounds, splitting 80% of all movements evenly between them. The remaining 20% of movements are assumed to involve limited activity split fairly evenly between Clanage Road, Portishead station site, Monmouth Road and Ham Green compounds.

It should be noted that it is the intention that movements of ballast materials be accomplished by rail as much as possible, but that use of road transport may be required. As such, the illustrations in this plan reflect a worst case situation where limited rail transport is used.

4. Overview of the transport of non-ballast materials and personnel

This section takes information, provided by NRIL, from the Construction Strategy (DCO Document Reference 5.4) and an indicative assessment of principal quantities to assesses how traffic could be generated throughout the construction period. The activities that have been assessed are:

- Setting up and maintenance of the compounds;
- Deliveries of the material to each of the main compounds; and
- Personnel attending both the satellite and main compounds during the construction period.

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To produce the traffic impact assessment several assumptions have been made to generate the number of vehicle trips being made, based on a 30 month programme including 4 mobilisation months, 24 construction months and 6 months opening the scheme and decommissioning sites.

Materials and Plant

Materials and plant include rail signalling systems, electric power and plant, permanent way and operational telecoms, as well as buildings other civil engineering items and plant, with key assumptions as follows:

- Rail signalling systems, electric power and plant, permanent way and operational telecoms will be brought in by road or rail;
- Materials will arrive at the main compounds from the M5; as a worst case, it is assumed this will all be from the north;
- Deliveries are assumed to be distributed across the working days over the operational duration of the compounds; this has not been assumed to be uniform, with fluctuations being based on the proportion of maximum daily movements anticipated across the period;
- It has been assumed that the piles that are proposed to be used are precast and there will be one
 precast pile per load; there will be one load of spoil generated by the boring of each pile; and
- For plant, it has been assumed that two dumpers will be required at the main compounds and one
 at the satellite compounds, and that two excavators will be required at the main compounds and
 one at the satellite compounds.

The result of this indicative assessment suggests a maximum of 10 road trips per day for materials and plant, for periods of greatest activity on the scheme. Daily average movements will be lower (of the order 4-5 movements more typically, even during periods of high activity).

The main compounds will receive the majority of movements, with around 30% of all movements assumed to be at Lodway Farm, 25% at Portbury Hundred, 15% each at Clanage Road and the Portishead station site, and the balance split between Monmouth Road and Ham Green compounds.

Facilities and Personnel

Indicative figures for personnel assume that most staff will use the main compounds to for access, with only very limited staff numbers being at the smaller satellite compounds as required. As such, the split of personnel is similar to that of materials, with around 60% of all staff assumed to be accessing the scheme at Lodway Farm and Portbury Hundred (evenly split), 15% each at Clanage Road and the Portishead station site, and the balance split between Monmouth Road and Ham Green compounds.

Facilities required at each compound (such as Portacabins) will vary according to the size and use of the compound, but will be as stated in the NRIL Construction Strategy. Minimal ancillary movements are required, such as weekly or twice-weekly visits for maintenance to refill water tanks, fuel tanks etc, and cleaning compound buildings.

The total number of personnel working on the project will vary through the mobilisation, construction and decommissioning periods, with the maximum number likely to be 300 operatives (split broadly between compounds as noted above). At peak staff requirement (of 300 personnel) up to 84 staff could be accessing each of the Lodway Farm and Portbury Hundred compounds.

It is anticipated that the construction will operate a two-shift system when the activity is at its most intense, resulting in movements of staff into the sites in the early morning, a changeover mid-



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afternoon and final exit later in the evening. However, at times a single shift will operate, especially in winter to largely coincide with daylight hours. The impact that specific operating hours will have on staff movements is discussed further below.

5. Impact on the highway

Routes

Indicative routes to each of the compounds were assessed to establish the key links that would be used by construction traffic and those attending site. Table 5.2 shows links used to access main compounds; for clarity, only key roads are included in the table.

Table 5.2: Highway routes and compounds

	compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton
Materia	ls: HGV movements to compounds - key li	nks used											
Main co	mpounds												
C-4	Clanage Road	-	-	-	-	-	-	-	-	Υ	Υ	Υ	Υ
C-9	Ham Green Compound	Υ	Υ	Υ	-	-	Υ	-	Υ	-	-	-	-
C-11	Monmouth Road	Υ	Υ	Υ	-	-	Υ	Υ	-	-	-	-	-
C-13	Lodway Farm	Υ	Υ	Υ	-	Υ	-	-	-	-	-	-	-
C-14	Portbury Hundred	Υ	Υ	Υ	Υ	-	-	-	-	-	-	-	-
C-15	Sheepway	Υ	Υ	Υ	Υ	-	-	-	-	-	-	-	-
C-16	Portishead Station Site	Υ	Υ	Y	Υ	-	-	-	-	-	-	-	-
	el: journeys to compounds - key links used impounds	i											
C-4	Clanage Road	-	-	-	-	-	-	-	-	Υ	Υ	Υ	Υ
C-9	Ham Green Compound	Υ	Υ	Υ	-	-	Υ	-	Υ	-	-	-	-
C-11	Monmouth Road	Υ	Υ	Υ	-	-	Υ	Υ	-	-	-	-	-
C-13	Lodway Farm	Υ	Υ	Υ	-	Υ	-	-	-	-	-	-	-
C-14	Portbury Hundred	Υ	Υ	Υ	Υ	-	-	-	-	-	-	-	-
C-15	Sheepway	Υ	Υ	Υ	Υ	-	-	-	-	-	-	-	-
C-16	Portishead Station Site	Υ	Υ	Y	Y	-	-	-	-	-	-	-	-
Satellite	and other compounds												
C-4x	Clanage Road micro-compound	-	-	-	-	-	Υ	-	-	-	-	-	Υ
C-5	Valley UB 122m 34ch	Υ	Υ	Υ	-	-	Υ	-	-	-	-	-	Υ
C-5A	Quarry UB2 122m 40ch	Υ	Υ	Υ	-	-	Υ	-	-	-	-	-	Υ
C-6	Quarry UB 4 123m 23ch	Υ	Υ	Υ	-	-	Υ	-	-	-	-	-	Υ
C-7	Miles Dock 124m 04ch	Υ	Υ	Y	-	-	Υ	-	Υ	-	-	-	-
C-8	Chapel Pill Farm 124m 44ch	Υ	Υ	Y	-	-	Υ	-	Υ	-	-	-	-
C-9A	Pill Viaduct	Υ	Υ	Υ	-	-	Υ	Υ	-	-	-	-	-
C-10	Pill Station Top	Υ	Υ	Υ	-	-	Υ	Υ	-	-	-	-	-
C-12	Avon Road	Υ	Υ	Υ	-	-	Υ	Υ	-	-	-	-	-
QUB6	Quarry underbridge	Υ	Υ	Υ	-	-	Υ	-	-	-	-	-	Υ
M5	M5 compound	Υ	Υ	Υ	-	Υ	-	-	-	-	-	-	-

^{*} M5 South (20% personnel, 0% material) : ** M5 North (80% personnel, 100% material)

Scheme operations

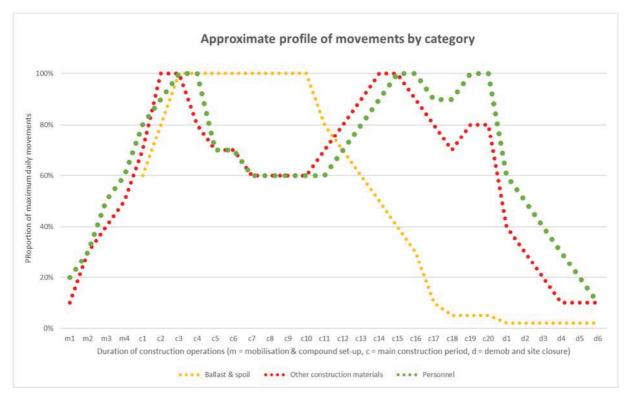
To complete the assessment, movements for material delivery and personnel trips were attributed to each of the links to attain the total trips on each of the key links. Scenarios have been presented that reflect different potential operating practices during the construction period, albeit representing worst cases in the quantum of movements included.



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In the first instance, Figure 5.1 shows indicative proportions of the maximum anticipated movements of ballast and spoil, other construction materials, and personnel across the construction period. This should not be considered definitive, as the contractor will ultimately determine how work will be carried out, but is a realistic potential profile. The key element taken from this profile in determining traffic impact is that the three categories of movements have potentially coinciding 100% movement expectations early in the main construction period, and this has been used in subsequent illustrations of traffic impact on key routes.

Figure 5.1: Movements by category



Movements

Taking the coincidence of maximum activity as the basis, movements generated by construction activity can be allocated to compounds and routes, and cross-referenced with times of the day. As such, a series of scenarios have been derived, to illustrate the impacts, based in the first instance on the maximum period of activity with 300 operatives; with the sub-options of either a single shift per day (one start time for all) or two shifts per day (split into early and late start/finish time). Different time periods have been used, showing the changes across a notional working day. For all scenarios, ballast, spoil and other materials are assumed to move evenly across the shift, with a notional 7 movement hours during a single shift and 10 movement hours spread across two shifts.

Scenarios include:

- Daily totals 18hr (05:00-23:00), incorporating all movements;
- Single shift per day maximum hour total (assumed as 07:00-08:00), with 95% of operatives arriving in the maximum hour;
- Two shifts per day maximum hour total (assumed as 05:00-06:00), with 65% of operatives arriving in the maximum hour;



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- Single shift per day AM peak hour (assumed as 08:00-09:00, after the majority of staff have arrived);
- Two shifts per day AM peak hour (assumed as 08:00-09:00, after the majority of staff have arrived);
- Single shift per day interpeak average hour (from 11:00 to 15:00), essentially just materials movements;
- Two shifts per day average interpeak hour (from 11:00 to 15:00), similarly just materials movements;
- Two shifts per day interpeak shift changeover (assumed as 13:00-14:00); assuming that 50% of staff arrive and depart in the same hour;
- Single shift per day PM peak hour (assumed as 17:00-18:00), as such most activity has ceased;
 and
- Two shifts per day PM peak hour (assumed as 17:00-18:00), with little staff movement, but materials carry on moving.

Appendix A shows tables of movements for each of the scenarios above, identifying total numbers of movements in each scenario, and allocating them to key routes.

M5 junction 19

The most significant highway element identified as being used for access to the scheme is M5 junction 19. This junction provides the main access to the strategic highway network for traffic to/from Portishead and the Royal Portbury Dock, as well as Gordano Services. The junction is congested at peak times, sometime significantly.

As such, the illustrations of traffic movements associated with the scheme have been extracted for this junction and identified for each arm of the junction's gyratory. In doing this, 80% of staff movements are assumed to be to/from the M5 north of the junction, as well as all materials movements. In addition to identifying scheme related movements, comparison has been made between scheme generated movements and traffic counts at the junction, illustrating the proportion of traffic that movements associated with the scheme would represent.

Appendix B includes plots of movements at the junction for each of the operating scenarios identified above, showing all traffic (from counts) and construction movements (totals, plus HGVs for materials and staff movements separately) and the proportion this reflects of counts.

Appendix C illustrates the profile of movements across the day (5-day and 7-day averages for all traffic), with construction traffic superimposed, cross referencing the points in the day when scheme related traffic movements are at their most significant.

Key conclusions

The scenarios of construction operations, traffic and timings illustrate that related movements will be at their greatest if construction is taking place with a single shift operating, where the concentration of staff members entering the site prior to the start of the shift has the most significant impact on traffic. At other times of the day, and with two-shift site operation, construction related traffic movements are relatively small.

Specific consideration of potential movements through M5 junction 19 suggests that construction traffic does not generally represent a significant proportional increase in movements. However, there



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could be a problematic increase in movements if shift timings are such that the key staff movement is coincident with the AM peak. As such, it is likely that this eventuality should be avoided through organising shift timing accordingly. With two shifts, the earlier start time largely negates the potential problem.

Memorandum

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Appendix A

Appendix A

Detailed traffic movements

List of operating scenarios shown in tables:

- Daily totals maximum period of activity, with 300 operatives
- Maximum hour totals maximum period of activity, 300 operatives, single shift per day (one start time)
- Maximum hour totals maximum period of activity, 300 operatives, two shifts per day
- AM peak hour maximum period of activity, 300 operatives, single shift per day (one start time)
- AM peak hour maximum period of activity, 300 operatives, two shifts per day
- IP average hour maximum period of activity, 300 operatives, single shift per day (one start time)
- IP hour (average) maximum period of activity, 300 operatives, two shifts per day
- IP hour (shift changeover) maximum period of activity, 300 operatives, two shifts per day
- PM peak hour maximum period of activity, 300 operatives, single shift per day (one start time)
- PM peak hour maximum period of activity, 300 operatives, two shifts per day



Daily totals - maximum period of activity, with 300 operatives

•	· activ	ity, witi	1 300 o	perauv	763																				
compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton	compounds & route	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near long Achton
Materials: HGV movements to main compou												AY - DAY	Materials: HGV movements to/from main				RIOD						1	TWO W	
·													Main compounds												
Main compounds C-4 Clanage Road	-								5	5	5	5	C-4 Clanage Road		-	-	-		-			10	10	10	10
C-9 Ham Green		3	3	-		3		3	3	-	-	-	C-9 Ham Green	11:	6	6			6		6	-	-	-	1
C-11 Monmouth Road		4	4	-	-	4	4	3	-	-			C-11 Monmouth Road	1	8	8	-	-	8	8	-			-	
C-13 Lodway Farm	-	25	25		25	-	-		-				C-11 Monthouth Road C-13 Lodway Farm	1	50	50		50	-	-			-		
C-14 Portbury Hundred		25	24	24	25			-	-	-			C-13 Lodway Farm C-14 Portbury Hundred	11:	48	48	48	-		-		-			
		24	-	-			-	-	-	-			·	1	- 48	40	46					-			
C-15 Sheepway		-				-	-	-	-				C-15 Sheepway												
C-16 Portishead Station Site	-	5	5	5	-	-	-	-	-	-	-	-	C-16 Portishead Station Site		10	10	10	-	-	-	-	-	-	-	
Materials HGV movements - ONE WAY	-	61	61	29	25	7	4	3	5	5	5	5	Materials HGV movements - TWO WAY	-	122	122	58	50	14	8	6	10	10	10	10
Personnel: cars/light vans to compounds - 30	0 opera	ntives (ma	ximum)								ONE W	AY - DAY	Personnel: cars/light vans to/from compo	unds - 300	operative	es (maxim	num)						1	TWO W	/AY - E
Main compounds													Main compounds												
C-4 Clanage Road	-	-	-	-	-	-	-	-	27	27	27	27	C-4 Clanage Road		-	-	-	-	-	-	-	54	54	54	54
C-9 Ham Green Compound	3	13	16	-		16	-	16	-	-	-	-	C-9 Ham Green Compound	6	26	32	-	-	32	-	32	-	-	-	-
C-11 Monmouth Road	4	15	19	-	-	19	19	-	-	-	-	-	C-11 Monmouth Road	8	30	38	-	-	38	38	-	-	-	-	
C-13 Lodway Farm	17	67	84	-	84	-	-	-	-	-	-	-	C-13 Lodway Farm	34	134	168	-	168	-	-	-	-	-	-	
C-14 Portbury Hundred	17	67	84	84	-	-	-	-	-	-	-	-	C-14 Portbury Hundred	34	134	168	168	-	-	-	-	-	-	-	
C-15 Sheepway	2	6	8	8		-	-	-	-	-	-	-	C-15 Sheepway	4	12	16	16	-	-	-	-	-	-	-	٠.
C-16 Portishead Station Site	10	41	51	51	-	-	-	-	-	-	-	-	C-16 Portishead Station Site	20	82	102	102	-	-	-	-	-	-	-	٠.
atellite and other compounds													Satellite and other compounds												
C-4 Clanage Road micro-compound		-	-			2	-	-	-			2	C-4 Clanage Road micro-compound		-	-	-	-	4	-	-	-	-	_	4
C-5 Valley UB 122m 34ch		2	2	-	-	2		-	-	-		2	C-5 Valley UB 122m 34ch	1	4	4	-	-	4			-		-	- 2
	-	2	2			2		-	-			2	C-5A Quarry UB2 122m 40ch	1	4	4	-		4						
	-	2	2	-		2			-	-		2	C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch	1	4	4	-	-	4	-		-	-	-	
									-							4			4		4				- 1
C-7 Miles Dock 124m 04ch	-	2	2		-	2		2	-	-	-	-	C-7 Miles Dock 124m 04ch	-	4		-	-	4	-	4	-		-	
C-8 Chapel Pill Farm 124m 44ch	-		2	-	-		2	_	-	-	-	-	C-8 Chapel Pill Farm 124m 44ch	-		4	-	-	4	- 4		-	-	-	
C-9A Pill Viaduct	-	2	2	-	-	2		-	-	-	-	-	C-9A Pill Viaduct	-	4	4	-	-			-	-	-	-	
	-	2	2	-	-	2	2	-	-	-	-	-	C-10 Pill Station Top	-	4	4	-	-	4	4	-	-	-	-	
·														-	4	4									
C-12 Avon Road	-	2	2	-	-	2	2	-	-	-	-	-	C-12 Avon Road							4	-	-	-	-	
	-	2 2 2	2 2 2	-	- 2	2	-		-	-	-	2	QUB6 Quarry underbridge M5 M5 compound		4 4	4	-	- 4	4	-	-	-	-	-	

^{*} M5 South (20% personnel, 0% material) : ** M5 North (80% personnel, 100% material)



Maximum hour totals – maximum period of activity, with 300 operatives, with a single shift per day (one start time)

compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton	compounds & rout	ଜ M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A360 mon 1 mon 0360
Materials: HGV movements to main compo									ONE V	/AY - OP			Materials: HGV movements to/from mai										AY - OPE		
Main compounds													Main compounds												
C-4 Clanage Road			-			-	-	-	1	1	1	1	C-4 Clanage Road		-		-	-	-	-		2	2	2	
C-9 Ham Green						-			1	1	1		C-9 Ham Green	11:	-				-			-	-	-	
C-11 Monmouth Road	i i		-	-		-				-		-	C-9 Ham Green C-11 Monmouth Road		-		-		-	-		-	-	-	
C-13 Lodway Farm		4	4		4	-							C-13 Lodway Farm		8	8		8	-			-		-	
		4	4	4	4	-	-		- :	-		-	·		8	8	- 8		-	-			-	-	
C-14 Portbury Hundred	H	4	-	4		-		-		-		-	·		-	-	-		-			-		-	
C-15 Sheepway		1	1			-	-	-		-			C-15 Sheepway			2	2		-						
C-16 Portishead Station Site	-	1	1	1	-	-	-	-	-	-	-	-	C-16 Portishead Station Site		2		2		-	-	-	-			
Materials HGV movements - ONE WAY	-	9	9	5	4	-	-	-	1	1	1	1	Materials HGV movements - TWO WAY	-	18	18	10	8	-	-	-	2	2	2	2
Personnel: cars/light vans to compounds - 3	00 opera	itives (ma	ximum) -	single sh	nift. sam	e start ti	ime	ONE W	AY - MA	XIMUM	ARRIVA	L HOUR	Personnel: cars/light vans to compounds	- 300 oper	atives (ma	ximum) -	single sh	nift. sam	e start ti	ime	TWO W	AY - MAX	XIMUM A	ARRIVA	L HC
Main compounds					,								Main compounds					,,,,,							
C-4 Clanage Road	-	-	-	-	-	-	-	-	26	26	26	26	C-4 Clanage Road		-	-	-	-	-	-	-	26	26	26	2
C-9 Ham Green Compound	3	13	16	-	-	16	-	16	-	-	-	-	C-9 Ham Green Compound	3	13	16	-	-	16	-	16	-	-	-	
C-11 Monmouth Road	4	15	19	-	-	19	19	-	-	-	-	-	C-11 Monmouth Road	4	15	19	-	-	19	19	-	-	-	-	
C-13 Lodway Farm	16	64	80	-	80	-	-	-	-	-	-	-	C-13 Lodway Farm	16	64	80	-	80	-	-		-	-	-	
C-14 Portbury Hundred	16	64	80	80	-	-	-	-	-	-	-	-	C-14 Portbury Hundred	16	64	80	80	-	-	-	-	-	-	-	
C-15 Sheepway	2	6	8	8	-	-	-	-	-	-	-	-	C-15 Sheepway	2	6	8	8	-	-	-	-	-	-	-	
C-16 Portishead Station Site	10	39	49	49	-	-	-	-	-	-	-	-	C-16 Portishead Station Site	10	39	49	49	-	-	-	-	-	-	-	
Satellite and other compounds													Satellite and other compounds												
C-4 Clanage Road micro-compound	-	-	-		-	2	-	-	-	-	-	2	C-4 Clanage Road micro-compound	-	-	-	-	-	2			-	-	-	
C-5 Valley UB 122m 34ch		2	2			2						2	C-5 Valley UB 122m 34ch	-	2	2			2	-		-		-	
C-5A Quarry UB2 122m 40ch		2	2			2	-	-		-		2	C-5A Quarry UB2 122m 40ch	11:	2	2	-	-	2	-		-		-	
C-6 Quarry UB 4 123m 23ch		2	2			2		-		-		2	C-6 Quarry UB 4 123m 23ch		2	2	-		2			-		-	
C-7 Miles Dock 124m 04ch		2	2	-		2		2		-		-	C-7 Miles Dock 124m 04ch	-	2	2	-		2		2	-	-	-	
C-8 Chapel Pill Farm 124m 44ch		2	2			2	-	2		-		-	C-8 Chapel Pill Farm 124m 44ch		2	2	-		2		2	-	-	-	
	-	2	2			2	2		- :	-			C-9A Pill Viaduct		2	2		- :	2	2	- 2	-			
		2	2			2	2	-	-	-			C-10 Pill Station Top		2	2	-	-	2	2	-	-		-	
·	-					2	2		- :	-			·		2	2			2	2		-			
C-12 Avon Road		2	2			_							C-12 Avon Road	_											
QUB6 Quarry underbridge	-	2	2	-	-	2	-	-	-	-	-	2	QUB6 Quarry underbridge		2	2	-	-	2	-	-	-	-	-	
NAC NAC																									
M5 M5 compound	-	2	2	-	2	-	-	-	-	-	-	-	M5 M5 compound		2	2	-	2	-	-	-	-	-		
M5 M5 compound Personnel: cars/light vans - ONE WAY	51	221	272	137	82	55	25	20	26	26	26	36	Personnel: cars/light vans - TWO WAY	51	221	272	137	82	55	25	20	26	26		26

^{*} M5 South (20% personnel, 0% material) : ** M5 North (80% personnel, 100% material)



Maximum hour totals - maximum period of activity, with 300 operatives, with two shifts per day

											_													_	
compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton	compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	2000
Naterials: HGV movements to main compo										AY - OP	ERATIN		Materials: HGV movements to/from main o			MUM PE	RIOD						AY - OP	ERATIN	
Aain compounds													Main compounds												
C-4 Clanage Road	-		-	-	-	-	-	-	1	1	1	1	C-4 Clanage Road	-	-	-	-	-	-	-	-	2	2	2	
C-9 Ham Green	-	-	-	-	-	-	-	-	-	-	-	-	C-9 Ham Green		-	-	-	-		-	-	-	-	-	
C-11 Monmouth Road	-	-	-	-	-	-	-	-	-	-	-	-	C-11 Monmouth Road	-	-	-	-	-	-	-	-	-	-	-	
C-13 Lodway Farm	-	3	3	-	3	-	-	-	-	-	-	-	C-13 Lodway Farm	-	6	6	-	6	-	-	-	-	-	-	
C-14 Portbury Hundred	-	3	3	3	-	-	-	-	-	-	-	-	C-14 Portbury Hundred	-	6	6	6	-	-	-	-	-	-	-	
C-15 Sheepway	-	-	-	-	-	-	-	-	-	-	-	-	C-15 Sheepway	-		-	-	-	-	-	-	-	-	-	
C-16 Portishead Station Site	-	1	1	1	-	-	-	-	-	-	-	-	C-16 Portishead Station Site	-	2	2	2	-	-	-	-	-	-	-	
Naterials HGV movements - ONE WAY	-	7	7	4	3	-	-	-	1	1	1	1	Materials HGV movements - TWO WAY	-	14	14	8	6	-	-	-	2	2	2	
ersonnel: cars/light vans to compounds - 3			7 Iximum) -	•		-	-	ONE W	1 AY - MA	1 XIMUM	1 ARRIVA	1 L HOUR	Materials HGV movements - TWO WAY Personnel: cars/light vans to compounds - 3 Main compounds					_	-			2 AY - MA			L H
ersonnel: cars/light vans to compounds - 3			7 ximum) - -	•		-	-	ONE W	1 AY - MA 18	1 XIMUM 18	1 ARRIVA		Personnel: cars/light vans to compounds - 3					_	-			_			
ersonnel: cars/light vans to compounds - 3 ain compounds C-4 Clanage Road	00 opera	itives (ma		two shi	fts							L HOUR	Personnel: cars/light vans to compounds - 3 Main compounds	800 opera	tives (ma	ximum) -	two shif	ts			TWO W	AY - MA	XIMUM	ARRIVA	AL H
ersonnel: cars/light vans to compounds - 3 ain compounds C-4 Clanage Road C-9 Ham Green Compound	<mark>00 opera</mark>	itives (ma	-	two shi	fts	-	-	-	18	18	18	L HOUR	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road	800 opera	itives (ma	ximum) - -	two shif	ts -	-	-	TWO W	AY - MA	XIMUM 18	ARRIVA	AL H
rsonnel: cars/light vans to compounds - 3 ain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road	00 opera	r <mark>tives (ma</mark> - 9	- 11	two shi	fts -	- 11	-	- 11	18	18	18	L HOUR	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound	- 2	r <mark>tives (ma</mark> - 9	ximum) - - 11	two shif	its -	- 11	-	- 11	18 -	XIMUM 18 -	ARRIVA 18 -	AL F
ersonnel: cars/light vans to compounds - 3 ain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	- 2 3	- 9	- 11 13	two shirt	fts -	- 11 13	- - 13	- 11 -	18 - -	18	18 - -	18 -	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road	- 2 3	- 9	- 11 13	two shift	- -	- 11 13	- - 13	- 11 -	18 - -	18 - -	ARRIVA 18 - -	AL F
ersonnel: cars/light vans to compounds - 3 lain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred	- 2 3 11	- 9 10 44	- 11 13 55	two shirt	fts 55	- 11 13	- - 13	- 11 -	18	18	18	18 - -	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	- 2 3 11	- 9 10 44	- 11 13 55	two shift	- - - 55	- 11 13 -	- - 13 -	- 11 -	18 - -	18 - - -	18 - - -	AL H
ersonnel: cars/light vans to compounds - 3 iain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway	- 2 3 11 11	- 9 10 44 44	- 11 13 55 55	- - - - - 55	fts 55 -	- 11 13 -	- - 13 -	- 11 - -	18 - - - -	18 - - -	18 - - - -	18	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred	- 2 3 11	- 9 10 44 44	- 11 13 55 55	55	- - - - 55	- 11 13 -	- - 13 -	- 11 - -	18 - - -	18 - - -	18 - - - -	L H
lain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	- 2 3 11 11 1	- 9 10 44 44 5	- 11 13 55 55 6	- - - - - 55 6	fts 55	- 11 13 - -	- - 13 - -	- 11 - - -	18 - - - -	18 - - -	18 - - - -	18	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway	- 2 3 11 11	- 9 10 44 44 5	- 11 13 55 55 6	55 6	55	- 11 13 - -	- - 13 - -	- 11 - - -	18	18 - - - -	18	AL H
lain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	- 2 3 11 11 1	- 9 10 44 44 5 27	- 11 13 55 55 6	- - - - - 55 6	fts 55	- 11 13 - -	- - 13 - -	- 11 - - -	18 - - - -	18 - - -	18 - - - -	18	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	- 2 3 11 11	- 9 10 44 44 5	- 11 13 55 55 6	55 6	55	- 11 13 - -	- - 13 - -	- 11 - - -	18	18 - - - -	18	AL H
ersonnel: cars/light vans to compounds - 3 ain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	- 2 3 11 11 1 7	- 9 10 44 44 5 27	- 11 13 55 55 6 34	- - - - - 55 6	55	- 11 13 - -	- - 13 - -	- 11 - - - -	18 - - - - -	18 - - - - -	18	18	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds	- 2 3 11 11 1 7	- 9 10 44 44 5 27	- 11 13 55 55 6 34	- - - - 55 6	55	- 11 13 - -	- - 13 - -	- 11 	18	18	18	AL H
ain compounds C-4 Clanage Road C-1 Monmouth Road C-1 Lodway Farm C-14 Portbury Hundred Sheepway C-16 Portishead Station Site tellite and other compound C-5 Valley UB 122m 34ch	- 2 3 11 11 1 7	9 10 44 44 5 27	- 11 13 55 55 6 34	- - - - - 55 6 34	55	- 11 13 - - -	13	- 11 - - - -	18 - - - - -	18	18	18 2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound	- 2 3 11 11 1 7 7	- 9 10 44 44 5 27	- 11 13 55 55 6 34	55 6 34	55	- 11 13 - - -	- - 13 - - -	- 11 	18	18	18	AL H
ain compounds C-4 Clanage Road C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site tellite and other compound C-5 Valley UB 122m 34ch C-5 Quarry UB2 122m 40ch	- 2 3 11 11 1 7	- 9 10 44 44 5 27	- 11 13 55 55 6 34	55 6 34	- - - - - - - - - - - - - - - - - - - - - -	- 11 13 - - - -	- - 13 - - -	- 11	18 - - - - -	18	18	18 2 2 2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	- 2 3 11 11 1 7	- 9 10 44 44 5 27	- 11 13 55 55 6 34	55 6 34		- 11 13 - - - -	- - 13 - - -	- 11 - - - -	18	18	18	AL H
rsonnel: cars/light vans to compounds - 3 ain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site tellite and other compounds C-4 Clanage Road micro-compound C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-6 Quarry UB 4 123m 23ch	- 2 3 11 11 1 7	- 9 10 44 44 5 27 - 2 2	- 11 13 55 55 6 34	55 6 34	- - - - - - - - - - - - - - - - - - - - - -	- 11 13 - - - -		- 11	18 - - - - -	18	18	18 2 2 2 2 2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	- 2 3 11 11 1 7	- 9 10 44 44 5 27 - 2 2 2	- 11 13 55 55 6 34	55 6 34		- 11 13 - - - - 2 2 2	- 13	- 111	18	18	18	AL F
ain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site tellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5 Quarry UB 2 122m 40ch C-6 Quarry UB 2 123m 23ch C-7 Miles Dock 124m 04ch	- 2 3 11 11 7	- 9 10 44 44 5 27 - 2 2 2 2	- 11 13 55 55 6 34	55 6 34	- - - - - - - - - -	11 13 - - - - 2 2 2 2	13		18	18	18	18	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch	- 2 3 11 11 1 7	- 9 10 44 44 5 27 - 2 2 2 2	- 11 13 55 55 6 34	55 6 34		- 111 13 - - - - - 2 2 2 2	- - 13 - - -	TWO W.	18	18	18	AL H
ain compounds C-4 Clanage Road C-1 Monmouth Road C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site tellite and other compound C-5 Valley UB 122m 34ch C-5 Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	- 2 3 11 11 7	- 9 10 44 44 5 27 - 2 2 2 2 2 2	- 11 13 55 55 6 34		- - - - - - - - - -	11 13 - - - - - 2 2 2 2 2	13	- 11 - - - - - -	18	18	18	18	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch	2 3 11 11 7	- 9 10 44 44 5 27 - 2 2 2 2 2 2 2 2	- 11 13 55 55 6 34			- 111 13 - - - - - - 2 2 2 2 2	- 13 - - - -	TWO W.	18	18	18	AL F
rsonnel: cars/light vans to compounds - 3 ain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site tellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct	- 2 3 11 11 1 7	- 9 10 44 5 27 - 2 2 2 2 2 2 2	- 111 13 55 55 6 34		555	- 11 13 - - - - 2 2 2 2 2 2	- - - - - - - - -	- 111 - - - - - - - - - - - - - - - - -	18	18	18	18	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 40ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	- 2 3 11 11 1 7	- 9 10 44 44 5 27 - 2 2 2 2 2 2	- 11 13 55 55 6 34			2 2 2 2 2 2 2	- - - - - - - - -	- 111 2 2 2	18	18	18	AL I
ain compounds C-4 Clanage Road C-1 Monmouth Road C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site tellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-6 Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	- 2 3 11 11 1 7	- 9 10 44 44 5 27 - 2 2 2 2 2 2 2 2 2 2 2	- 111 13 55 55 6 34 - 2 2 2 2 2 2			- 111 13 - - - - 2 2 2 2 2 2 2 2	- - 13 - - - - - - -	- 111 - - - - - - - - - - - - - - - - -	18 	18	18	18	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct	2 3 11 11 7	- 9 10 44 44 5 27 - 2 2 2 2 2 2 2 2 2 2 2	- 11 13 55 56 34			2 2 2 2 2 2 2 2	- - 13 - - - - - - - -	- 111 2 2	18	18	18	AL F
Arministry of the professional state of the profession of the prof	- 2 3 111 11 7	- 9 10 44 44 5 27 - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 111 13 55 55 6 34 - 2 2 2 2 2 2 2			- 11 13 - - - - - 2 2 2 2 2 2 2 2 2 2 2	- - 13 - - - - - - - - - - - - -	- 111 - - - - - - 2 2	18 	18	18	18	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	- 2 3 111 11 1 7	- 9 10 44 44 5 27 - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ximum)			- 111 13 - - - - - - 2 2 2 2 2 2 2 2 2 2 2	- - 13 - - - - - - - - - - - - - - - - -	- 111 2 2	18	18	18	ALL H
Armonel: cars/light vans to compounds - 3 Iain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site atellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct	00 opera - 2 3 11 11	- 9 10 44 44 5 27 - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 111 13 55 55 6 34 - 2 2 2 2 2 2 2 2 2			2 2 2 2 2 2 2 2 2	- - - - - - - - - - - - - - - - - - -	- 111 - - - - - - 2 2	18	18	18	18	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	- 2 3 3 111 11 1 7	- 9 10 44 44 5 27 - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 111 13 55 55 6 34 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2 2 2 2 2 2 2 2 2 2	- - 13 - - - - - - - - - - - - - - - - -	- 111 2 2	18	18	18	AL H

^{*} M5 South (20% personnel, 0% material) : ** M5 North (80% personnel, 100% material)



AM peak hour – maximum period of activity, with 300 operatives, with a single shift per day (one start time)

Materials: KOV movements to make noutes by grad and grade gr			vity, wi	ith 300	operat	tives -	SINGLI	SHIFT	(singl	e start	time)															
Materials: HGV movements to main compounds - MAXIMUM PERIOD Main compounds	compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	Martcombe	Priory Rd (Pill)		M5 Junction 18		unel Wy/Cumbrind	near Long	compounds & routes	M5 South *	M5 North **	Junction	Portbury	Royal Protbury Dock Rd	Martcombe	Priory Rd (Pill)		Junction		A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton
4. Clanage Road 4. C. C. Clanage Road 5. C. C. Clanage Road 6. C. C. Clanage Road 6. C.	Materials: HGV movements to main compoun	nds - MA	XIMUM	PERIOD						ON	E WAY -	AM pea	k HOUR	Materials: HGV movements to/from main co	mpound	ls - MAXI	MUM PER	RIOD					TWO	WAY -	AM pea	k HO
C-C-1 (Lanage Road C-9 Ham Green C-11 (Mornouth Road C-12 (September 1997) C-13 (Lowy Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portshead Station Site C-17 (C-18 Lanage Road C-18 (C-18 Lanage Road C-19 (C-18 Lanage Road Matrice-compound) C	Main compounds													Main compounds												
Fig. Section Fig.				_	_	_	_	_	_	1	1	1	1			_		_	_	_	_	_	2	2	2	2
C-11 Momnouth Road C-12 Lodwy Farm C-13 Lodwy Farm C-14 Portbury Hundred C-15 Shepway C-16 Portishead Station Site C-17 Shepway C-18 Portshead Station Site C-19 Shepway C-19 Portshead Station Site C-19 Shepway C-1	Ü																									
C-13 Lodway Farm C-15 Portbury Hundred C-16 Portbury Hundred C-17 Sheepway C-18 Portbury Hundred C-19 Sheepway C-10 Shee																										
A compound A c																										
C-15 Pertishead Station Site 1 1 1 2 3 4 3 5 7 7 7 7 8 3 5 7 7 7 7 7 8 3 5 7 7 7 7 7 7 7 8 3 5 7 7 7 7 7 7 7 7 7																										
Cafe Portishead Station Site - 1	·													·												
Materials HGV movements - ONE WAY	1 1																									
Personnel: cars/light vans to compounds - 300 operatives (maximum) - single shift, same start time ONE WAY - AM peak HOUR Main compounds C-4 Clanage Road - - - - - - - - -	C-10 Portisilead Station Site		1	1	1	-	-	-	-		-		-	C-10 Portisilead Station Site	_	2		2	-	-	_			-	-	
C-4 Clanage Road C-9 Ham Green Compound 1 3 4 4 - 4 - 4) operat	ives (max	ximum) -	single sh	ift, sam	e start ti	ime		ON	E WAY -	AM pea	ik HOUR		00 opera	tives (ma	ximum) -	single sh	ift, sam	e start ti	me		TWO	O WAY -	AM pea	k HO
C-9 Ham Green Compound C-11 Mormouth Road C-12 Mormouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portshead Station Site C-17 Sheepway C-18 Sheepway C-19 Sheepway C-19 Statistical Advance Compound C-19 Valley Us 122m 34ch C-19 Valley Us 122m 34ch C-19 Valley Us 122m 34ch C-10 Quarry UB 2122m 34ch C-10 Quarry UB 2122m 34ch C-10 Valley UB 122m 34ch C	-	-	-	-	-	-	-	-	-	7	7	7	7	-	-	-	-	-	-	-	-	-	7	7	7	7
C-13 Lodway Farm		1	2																							-
C-13 Lodway Farm				4	- 1	-	4	-	4	-	-	-	-	C-9 Ham Green Compound	1	3	4	-	-	4	-	4	-	-	-	
C-14 Portbury Hundred C-15 Sheepway C-16 Portshed Station Site C-16 Portshed Station Site C-17 Sheepway C-18 Portshed Station Site C-18 Portshed Station Site C-19 Portshed Station Site C-20 Portshed Station Site C-3 Portshed Station Site C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5 Valley UB 122m 34ch C-5 Valley UB 122m 34ch C-7 Portshed Station Site C-8 Portshed Station Site C-9 Portshed Station Site C-10 P	C-11 Monmouth Road			_					-	-	-			·			-						-	-		-
C-15 Sheepway C-16 Portishead Station Site C-16 C-16 Portishead Station Site C-16 Portishead Station Site C-16 C-16 Portis		1	4	5	-	-	5	5	-			-	-	C-11 Monmouth Road	1	4	5	-	-	5	5	-			-	
C-16 Portishead Station Site 3 10 13 13	C-13 Lodway Farm	1	4 17	5 21	-	- 21	5	5	-	-	-	-	-	C-11 Monmouth Road C-13 Lodway Farm	1 4	4 17	5	-	- 21	5	5	-	-	-	-	
Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-1 1	C-13 Lodway Farm C-14 Portbury Hundred	1 4 4	4 17 17	5 21 21	- - 21	- 21 -	5 -	5 -	-	-	-	-	-	C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred	1 4 4	4 17 17	5 21 21	- - 21	- 21 -	5 - -	5 - -	-	-	-	-	-
C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5 Valley UB 122m 34ch C-6 Quarry UB 212m 40ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9 Pill Viaduct C-9 Pill Viaduct C-1 D Pill Station Top C-1 Avon Road C-1 D Pill Station Top C-1 Avon Road C-2 Clanage Road micro-compound C-3 Clanage Road micro-compound C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-7 Valley UB 122m 34ch C-8 Quarry UB 4 123m 23ch C-9 Quarry UB 4 123m 23ch C-1 D Pill Station Top C-1 D Pill Station Top C-1 Avon Road C-1 D Pill Station Top C-2 D Pill Station Top C-3 D Pill Pill Pill Pill Pill Pill Pill Pi	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway	1 4 4 -	4 17 17 2	5 21 21 2	- - 21 2	- 21 -	5 - -	5 - -	-	-		-		C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway	1 4 4	4 17 17 2	5 21 21 2	- - 21 2	- 21 -	5 - - -	5 - - -	-	-	-	- - -	-
C-5 Valley UB 122m 34ch	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	1 4 4 -	4 17 17 2	5 21 21 2	- - 21 2	- 21 -	5 - -	5 - -	-	-		-		C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	1 4 4	4 17 17 2	5 21 21 2	- - 21 2	- 21 -	5 - - -	5 - - -	-	-	-	- - -	-
C-5A Quarry UB2 122m 40ch	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13	- 21 2 13	- 21 - -	- - - -	5	-	- - -	- - -			C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13	- 21 2 13	- 21 - -	5 - - -	5	-				- - -
C-6 Quarry UB 4 123m 23ch	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13	- 21 2 13	- 21 - -	5 1	5 - - - -	-			-	1	C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13	- 21 2 13	- 21 - -	5 1	5 - - - -	-	-	-		1
C-7 Miles Dock 124m 04ch	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13	- 21 2 13	- 21 - - -	5 - - - - 1	5 - - - -	-			-	- - - - - 1 1	C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13	- 21 2 13	- 21 - - -	5 1 1	5 - - - -	-	-	-	- - - -	- - - 1
C-8 Chapel Pill Farm 124m 44ch	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13	- 21 2 13	- 21	5 - - - - 1 1	5	-	- - - -		-	- - - - - 1 1 1	C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13	- 21 2 13	- 21 - - - -	5 - - - - 1 1 1	5	-	-		- - - - -	- - - - 1 1
C-9A Pill Viaduct	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch	1 4 4 - 3 3	4 17 17 2 10	5 21 21 2 13	- 21 2 13	- 21 - - -	5 - - - - 1 1 1	5 - - - - -	-	-	- - - -	-	1 1 1 1 1	C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13	- 21 2 13	- 21 - - -	5 - - - - 1 1 1	5 - - - - -	-				- - - 1 1 1
C-10 Pill Station Top	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch	1 4 4 - 3 3	4 17 17 2 10	5 21 21 2 13	- 21 2 13	- 21 - - -	5 - - - - 1 1 1 1	5 - - - - -	-	-	-	-	1 1 1 1 1 1	C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13 - 1 1 1	- 21 2 13	- 21 - - - -	5 - - - 1 1 1 1	5 - - - - -	-	-	-	-	- - - 1 1 1 1
C-12 Avon Road	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13	- 21 2 2 13	- 21 - - -	5 - - - - 1 1 1 1 1	5 - - - - - - -	1 1	-	-	-	1 1 1 1 1	C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 40ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB2 122m 40ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	1 4 4 - 3	4 17 17 2 10 - 1 1 1 1 1	5 21 21 2 13	- 21 2 13	- 21	5 - - - 1 1 1 1 1	5 - - - - - - -	- - - - - 1 1	-	-	-	11 11 -
QUB6 Quarry underbridge - 1 1 - - 1 - - 1 -	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct	1 4 4 - 3 3	4 17 17 2 10	5 21 21 2 13 - 1 1 1 1 1	- 21 2 13	- 21 - - - - - - -	5 - - - - 1 1 1 1 1 1 1	5 - - - - - - - - - 1		-		-	1 1 1 1 1 -	C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct	1 4 4 - 3	4 17 17 2 10 - 1 1 1 1 1 1	5 21 21 2 13 - 1 1 1 1 1	- 21 2 13	- 21	5 - - - 1 1 1 1 1 1	5 - - - - - - - - - 1	- - - - - 1 1		-	-	
M5 M5 compound - 1 1 - 1 M5 M5 compound - 1 1 - 1	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	1 4 4 - 3 3	4 17 17 2 10 - 1 1 1 1 1 1	5 21 21 2 13 - 1 1 1 1 1 1	- 21 2 13	- 21	5 - - - - 1 1 1 1 1 1 1 1	5 - - - - - - - - 1 1				-	1 1 1 1 1 -	C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	1 4 4 - 3	4 17 17 2 10 - 1 1 1 1 1 1	5 21 21 2 13 - 1 1 1 1 1 1	- 21 2 13		5 - - - - 1 1 1 1 1 1 1 1	5 - - - - - - - 1 1	- - - - - 1 1 1	-	-	-	11 11 1
	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 2 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Vidduct C-10 Pill Station Top C-12 Avon Road	1 4 4 - 3	4 17 17 2 10	5 21 21 2 13 - 1 1 1 1 1 1 1 1	- 21 2 13	- 21	5 - - - - 1 1 1 1 1 1 1 1 1 1	5 - - - - - - - - 1 1 1	1 1			-	1 1 1 1 1 -	C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	1 4 4 - 3	4 17 17 2 10 - 1 1 1 1 1 1 1	5 21 21 2 13 - 1 1 1 1 1 1 1	- 21 2 13	- 21	5 - - - 1 1 1 1 1 1 1 1	5 - - - - - - - 1 1 1	- - - - - - 1 1	-			11 11 11 11
Personnel: cars/light vans - ONE WAY 13 63 76 36 22 19 8 6 7 7 7 12 Personnel: cars/light vans - TWO WAY 13 63 76 36 22 19 8 6 7 7 7 7	C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-6A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road QUB6 Quarry underbridge	1 4 4 - 3	4 17 17 2 10 - 1 1 1 1 1 1 1 1 1	5 21 21 2 13 1 1 1 1 1 1 1 1 1 1	- 21 2 13	- 21 - - - - - - - -	1 1 1 1 1 1 1 1 1	5 - - - - - - - - 1 1 1	- - - - - 1 1 - -	-		-	1 1 1 1 1 -	C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road QUB6 Quarry underbridge	1 4 4 - 3	4 17 17 2 10 - 1 1 1 1 1 1 1 1 1	5 21 21 2 13 - 1 1 1 1 1 1 1 1 1 1	- 21 2 13	- 21 - - - - - - - - -	5 - - - 1 1 1 1 1 1 1 1	5 - - - - - - - - 1 1 1	- - - - - - 1 1 1 -				-

^{*} M5 South (20% personnel, 0% material) : ** M5 North (80% personnel, 100% material)



AM peak hour - maximum period of activity, with 300 operatives, with two shifts per day

AM PEAK HOUR - maximum period	of act	ivity, w	ith 300	opera	tives -	TWO 9	HIFTS																		
compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton	compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton
Materials: HGV movements to main compou	ınds - M	AXIMUM	PERIOD						ON	E WAY -	AM pea	ık HOUR	Materials: HGV movements to/from main or	ompound	ls - MAXI	MUM PEI	RIOD					TWC	WAY -	AM pea	k HO
Main compounds													Main compounds												
C-4 Clanage Road		-	-		-		-		1	1	1	1	C-4 Clanage Road	-	-	-	-	-	-		-	2	2	2	2
C-9 Ham Green										-	-	-	C-9 Ham Green									-	-	-	
C-11 Monmouth Road		-		-					-				C-11 Monmouth Road				-		-	-		-	-		-
C-13 Lodway Farm		3	3	-	3	_			-				C-13 Lodway Farm	_	6	6	-	6					-	-	
C-14 Portbury Hundred		3	3	3	-				-				C-14 Portbury Hundred		6	6	6	-		-		-	-		
C-15 Sheepway		-	-	-	-								C-15 Sheepway		-	-	-		_						
C-16 Portishead Station Site		1	1	1	-								C-16 Portishead Station Site		2	2	2						-		-
Materials HGV movements - ONE WAY		7	7	-	3								Materials HGV movements - TWO WAY		14	14	8					2	2		2
Personnel: cars/light vans to compounds - 3 Main compounds	00 opera	tives (ma	ximum) -	two shif	ts				ON	E WAY -	AM pea	ik HOUR	Personnel: cars/light vans to compounds - 3 Main compounds	00 opera	tives (ma	ximum) -	two shif	ts				TWC	WAY -	AM pea	k HOI
C-4 Clanage Road	-	-	-	-	-	-	-	-	2	2	2	2	C-4 Clanage Road	-	-	-	-	-	-	-	-	2	2	2	2
C-9 Ham Green Compound	-	1	1	-	-	1	-	1	-	-	-	-	C-9 Ham Green Compound	-	1	1	-	-	1	-	1	-	-	-	-
C-11 Monmouth Road	-	1	1	-	-	1	1		-	-	-	-	C-11 Monmouth Road	-	1	1	-	-	1	1	-	-	-	-	-
C-13 Lodway Farm	1	4	5	-	5	-	-	-	-	-	-	-	C-13 Lodway Farm	1	4	5	-	5	-	-	-	-	-	-	-
C-14 Portbury Hundred	1	4	5	5	-	-	-	-	-	-	-	-	C-14 Portbury Hundred	1	4	5	5	-	-	-	-	-	-	-	-
C-15 Sheepway	-	1	1	1	-	-	-	-	-	-	-	-	C-15 Sheepway	-	1	1	1	-	-	-	-	-	-	-	-
C-16 Portishead Station Site	1	2	3	3	-	-	-	-	-	-	-	-	C-16 Portishead Station Site	1	2	3	3	-	-	-	-	-	-	-	-
													Satellite and other compounds												
Satellite and other compounds													Satellite and other compounds								-	-	-	-	1
Satellite and other compounds C-4 Clanage Road micro-compound		_	-	-	-	1	-	-	-	-	-	1	C-4 Clanage Road micro-compound	-	-	-	-	-	1					-	1
C-4 Clanage Road micro-compound	-			-	-	_	-		-	-	-	1	C-4 Clanage Road micro-compound C-5 Valley LIB 122m 34ch	-			-	-			-		-		
C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch		1	1			1						1	C-5 Valley UB 122m 34ch	-	1	1			1			-	-	-	1
C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	-			-	-	_	-	-	-	-	-		C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch		1		-	-	1	-	-				1
C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch	-	1	1	-	-	1	-	-	-	-	-	1	C-5 Valley UB 122m 34ch	-	1	1	-	-	1	-	-	-	-	-	1
C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch	-	1 1 1	1 1 1	-	-	1 1 1	-	-	-	-	-	1 1 1	C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch	-	1 1 1	1 1 1	- - -	-	1 1 1	-	-	-	-	-	1 -
C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch	-	1 1 1	1 1 1	-	-	1 1 1	-	- - - 1		-	-	1 1 1	C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch	-	1 1 1	1 1 1	- - -	-	1 1 1		- - - 1		-	-	1 - -
C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	- - - -	1 1 1 1	1 1 1 1	-	- - - -	1 1 1 1		- - - 1	-	-	-	1 1 1 -	C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	-	1 1 1 1	1 1 1 1	- - - -	- - - -	1 1 1 1		- - - 1		-	-	1 - -
C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	-	1 1 1 1 1	1 1 1 1 1		-	1 1 1 1 1 1	- - - - 1	- - 1 1			- - - -	1 1 1 -	C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	-	1 1 1 1 1	1 1 1 1 1			1 1 1 1 1 1	- - - - 1	- - 1 1	- - - -	-	- - - -	1 - - -
C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	-	1 1 1 1 1 1	1 1 1 1 1 1	-	-	1 1 1 1 1 1	- - - - 1 1	- - 1 1 -	-	-	-	1 1 1 - -	C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	-	1 1 1 1 1 1	1 1 1 1 1 1		- - - - -	1 1 1 1 1 1 1	- - - - 1	- - 1 1 -		-		1 - - - -
C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top		1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	- - - - -	- - - - -	1 1 1 1 1 1 1	- - - - 1 1	- - - 1 1 - -		- - - - - -	- - - - -	1 1 1 - -	C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	-	1 1 1 1 1 1 1	1 1 1 1 1 1 1		- - - - - -	1 1 1 1 1 1 1	- - - - 1 1	- - 1 1 - -		-	- - - - -	1

^{*} M5 South (20% personnel, 0% material) : ** M5 North (80% personnel, 100% material)



IP average hour – maximum period of activity, with 300 operatives, with a single shift per day (one start time)

IP AVERAGE HOUR - maximum per	iod of	activity	, with 3	300 op	erative	es - SIN	IGLE SH	·IIFT (si	ngle s	tart tim	e)														
compounds & routes	MS South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton	compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	
Materials: HGV movements to main compou	ınds - M	AXIMUM	PERIOD						(ONE WAY			Materials: HGV movements to/from main co	ompound	ds - MAXI	MUM PE	RIOD					TV	VO WAY	/ - IP ave	
Main compounds													Main compounds												
C-4 Clanage Road		-	-			_		-	1	1	1	1	C-4 Clanage Road	-	-	-			-		-	2	2	2	2
C-9 Ham Green					+ :-				1	1		-	C-9 Ham Green		-				-		-			-	
C-11 Monmouth Road				-	+:								C-11 Monmouth Road		-				-			-			
C-11 Wolfmouth Road C-13 Lodway Farm		3	3		3		-						C-11 Monitouti Road C-13 Lodway Farm		6	6		6	-		-	-			
C-13 Lodway Farm C-14 Portbury Hundred		3	3	3	3			-		-		-	C-13 Lodway Farm C-14 Portbury Hundred		6	6	6	-	-		-	-			
·	H	3	3	- 3	+ -	-	+ :	-		-					-		-		_		-	-			
C-15 Sheepway		1	1					_				-	C-15 Sheepway	-	2	2	2		-		_	-			
C-16 Portishead Station Site	-	1	1	1	-	-	-	-	-	-	-	-	C-16 Portishead Station Site	-	2		2	-	-	-	-	-	-	-	
Materials HGV movements - ONE WAY	-	7	7	4	3	-	-	-	1	1	1	1	Materials HGV movements - TWO WAY	-	14	14	8	6	-	-	-	2	2	2	
Personnel: cars/light vans to compounds - 3 Main compounds	00 opera	tives (ma	aximum) -	- single s	shift, sam	ne start t	time		(ONE WAY	' - IP av	er HOUR	Personnel: cars/light vans to compounds - 3 Main compounds	00 opera	tives (ma	ximum) -	single s	hift, sam	e start ti	me		TV	VO WAY	/ - IP ave	er HC
C-4 Clanage Road								-				-	C-4 Clanage Road		-									-	
C-9 Ham Green Compound	_	-	_	-	-		-	-	-	-	-	-	C-9 Ham Green Compound	-	-	_	-	-	-	-	-	-	-	-	
C-11 Monmouth Road												-	C-11 Monmouth Road	_	-	_	-	-	-		-	-		-	
C-13 Lodway Farm					+ :-								C-13 Lodway Farm												
C-14 Portbury Hundred												-	C-14 Portbury Hundred		-	_	-		-	-	_	_		_	
C-15 Sheepway													C-15 Sheepway						-			-		-	
C-16 Portishead Station Site	-		-	-	-	-	-	-	-	-		-	C-16 Portishead Station Site	-	-	-	-	-	-	-	-	-		-	+
,																									
atellite and other compounds													Satellite and other compounds												
C-4 Clanage Road micro-compound	-	-	-	-	-	-	-	-	-	-	-	-	C-4 Clanage Road micro-compound	-	-	-	-	-	-	-	-	-	-	-	
C-5 Valley UB 122m 34ch	-	-	-	-	-	-	-	-	-	-	-	-	C-5 Valley UB 122m 34ch	-	-	-	-	-	-	-	-	-	-	-	
C-5A Quarry UB2 122m 40ch	-	-	-	-	-	-	-	-	-	-	-	-	C-5A Quarry UB2 122m 40ch	-	-	-	-	-	-	-	-	-	-	-	
C-6 Quarry UB 4 123m 23ch	-	-	-	-	-	-	-	-	-	-	-	-	C-6 Quarry UB 4 123m 23ch	-	-	-	-	-	-	-	-	-	-	-	
C-7 Miles Dock 124m 04ch	-	-	-	-	-	-	-	-	-	-	-	-	C-7 Miles Dock 124m 04ch	-	-	-	-	-	-	-	-	-	-	-	+
C-8 Chapel Pill Farm 124m 44ch	-	-	-	-	-	-	-	-	-	-	-	-	C-8 Chapel Pill Farm 124m 44ch	-	-	-	-	-	-	-	-	-	-	-	
C-9A Pill Viaduct	-	-	-	-	-	-	-	-	-	-	-	-	C-9A Pill Viaduct	-	-	-	-	-	-	-	-	-	-	-	\perp
C-10 Pill Station Top	-	-	-	-	-	-	-	-	-	-	-	-	C-10 Pill Station Top	-	-	-	-	-	-	-	-	-	-	-	
C-12 Avon Road	-	-	-	-	-	-	-	-	-	-	-	-	C-12 Avon Road	-	-	-	-	-	-	-	-	-	-	-	
QUB6 Quarry underbridge	-	-	-	-	-	-	-	-	-	-	-	-	QUB6 Quarry underbridge	-	-	-	-	-	-	-	-	-	-	-	
M5 M5 compound	-	-	-	-	-	-	-	-	-	-	-	-	M5 M5 compound	-	-	-	-	-	-	-	-	-	-	-	

^{*} M5 South (20% personnel, 0% material) : ** M5 North (80% personnel, 100% material)



IP hour (average) - maximum period of activity, with 300 operatives, with two shifts per day

compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton	compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin
Materials: HGV movements to main compou		AXIMUM	PERIOD						(ONE WAY			Materials: HGV movements to/from main co		ls - MAXI	MUM PEI	RIOD						VO WAY	- IP aver
Main compounds													Main compounds											
C-4 Clanage Road	-	-	-				-		1	1	1	1	C-4 Clanage Road		-	-						2	2	2
C-9 Ham Green										-		-	C-9 Ham Green									_	-	-
C-11 Monmouth Road				-									C-11 Monmouth Road		-			-	-			-		
C-13 Lodway Farm		3	3		3								C-13 Lodway Farm		6	6		6						
C-13 Lodway Farm C-14 Portbury Hundred		3	3	3	-								C-14 Portbury Hundred		6	6	6	-				-		
C-15 Sheepway		-	-	-									C-15 Sheepway		-	-	-	-				-		
C-16 Portishead Station Site		1	1	1					-				C-15 Sheepway C-16 Portishead Station Site		2	2	2							
C-10 FULLSHEAU STALIOH SILE	-	1	1	1	-	_			-	-		-	C-10 Portisilead Station Site		2			-	-	-		-	-	
Materials HGV movements - ONE WAY	-	7	7	4	3	-	-	-	1	1	1	1	Materials HGV movements - TWO WAY	-	14	14	8	6	-	-	-	2	2	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30			,	·		-	-	-	_	1 ONE WAY	1 ' - IP ave		Personnel: cars/light vans to compounds - 3				_	_	-	-	-	_		2 - IP aver
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds		itives (ma	ximum) -	·		-	-	-	(er HOUR	Personnel: cars/light vans to compounds - 3 Main compounds	00 opera	tives (ma	ximum) -	_	_	-	-	-	TV	VO WAY	- IP aver
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road	00 opera	itives (ma	ximum) -	two shi	fts	- 1	-		_	DNE WAY	1 ' - IP ave 2		Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road	00 opera	tives (ma	ximum) -	two shif	ts		-	- 1	_		
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound	<mark>00 opera</mark>	itives (ma	- 1	two shi	fts		-	- 1	(2	er HOUR	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound	00 opera	tives (ma	- 1	two shif	ts -	1	-	- 1	TV	VO WAY	- IP aver
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road	00 opera - - -	tives (ma	ximum) -	two shi	fts -	1	_	1	2	2 -	2	2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road	00 opera	tives (ma	ximum) -	two shif	its -		_	-	2 -	VO WAY	- IP aver
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	- - - 1	- 1 1	- 1 1 5	two shirt	- - -	1	- 1	1 -	2 -	2 -	2 -	2 -	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	1	tives (ma	- 1 1 5	two shif	- - -	1	1	-	2	2 - -	2 -
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred	00 opera - - -	- 1 1 4	- 1	two shirt	5	1 1 -	- 1 -	1 - -	2	2 -	2	2 -	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred	00 opera	- 1 1 4 4	- 1 1	two shift	- - - 5	1 1 -	- 1 -	-	2	2 - -	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	- - - 1	- 1 1 4 4	- 1 1 5 5	- - - - 5	5	1 1	- 1 -	1	2	2	2 - - -	2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	1	- 1 1 4	- 1 1 5	two shift 5	- - - 5	1 1 -	1	-	2	2 - - -	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	- - - 1 1	- 1 1 4 4	- 1 1 5 5	- - - - - 5	5	1 1 - -	- 1 - -	1 - - -	2	2	2 - - -	2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	1 1 -	- 1 1 4 4	- 1 1 5 5	- - - - - 5 1	5	1 1 - -	- 1 - -	-	2	2	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds	1 1 - 1	- 1 1 4 4 1 2	- 1 1 5 5	- - - - - 5	5	1 1	- 1 - -	1 - - -	2	2	2 - - -	2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds	1 1 - 1	- 1 1 4 4 1 2	- 1 1 5 5	- - - - - 5 1	5	1 1	- 1 - -	-	2	2	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound	- - - 1 1	- 1 1 1 4 4 1 2	- 1 1 5 5 1 3	- - - - 5 1	5	1 1 1	- 1 - -	1 - - -	- - - - -	2	2	2 1	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound	1 1 -	- 1 1 4 4 1 2	- 1 1 5 5 1	- - - - 5 1 3	5	1 1 - - -	- 1 - -	-	TV 2	2 - - - -	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 3l Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch	1 1 - 1	- 1 1 4 4 1 2 - 1 1	- 1 1 5 5 1 3	5 1 3	5	1 1 - - - -	- 1 - - -	1 - - - -		2 - - - -	2	2 1 1 1	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch	1 1	- 1 1 4 4 1 2 - 1 1	- 1 1 5 5 1 3	- - - - 5 1	5	1 1 - - - - 1 1	- 1 - - -	-	TV 2	2	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 3i Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	1 1 - 1	- 1 1 4 4 1 2 - 1 1 1 1	- 1 1 5 5 1 3	5 1 3	5	1 1 - - - - 1 1 1	- 1 - - -	1 - - - -		2 - - - - -	2	2 1 1 1 1 1	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	1 1 - 1	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3	5 1 3	5	1 1 - - - - 1 1 1	- 1 - - -	-	2	2	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 3t Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-6 Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch	1 1	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3 - 1 1 1	5 1 3		1 1 - - - - 1 1 1 1	- 1			2 - - - - - -	2 	2 1 1 1	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch	00 opera	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3	5 1 3		1 1 - - - - 1 1 1 1	- 1	-		2	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB2 122m 40ch C-6 Quarry UB2 123m 23ch Miles Dock 124m 04ch	1 1 - 1	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3	5 1 3		1 1 - - - - 1 1 1	- 1 - - - -			2	2 - - - - - -	2 1 1 1 1 1 1 1	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch	1 1 1 - 1	- 1 1 4 4 1 1 2 - 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3 3 - 1 1 1 1 1 1	- - - - 5 1 3		1 1 - - - - 1 1 1 1 1		-	- TV	2	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	1 1 1 - 1	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3			1 1 - - - - 1 1 1 1 1	- 1 - - - - -	1 		2 - - - - - - -	2 - - - - - - - -	2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 40ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	1 1 1 - 1	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3			1 1 - - - - 1 1 1 1 1 1	- 1 - - - - -	-	- TV	2	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct	1 1 1 - 1	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3			1 1 - - - - 1 1 1 1 1 1	- 1 - - - - - - - 1	1 		2 	2 	2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct	1 1 1 - 1	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3			1 1 - - - - - 1 1 1 1 1 1 1 1	- 1 - - - -	1 1	- TV	2	2
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 3t Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-6 Quarry UB2 122m 40ch C-6 Quarry UB 2 122m 40ch C-7A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top		- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3			1 1 	- 1 1 1 1	1 1 1		2 	2 	2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	1 1 1 - 1	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3 3 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 - - - - - 1 1 1 1 1 1 1 1 1 1	- - - - - - - - - 1 1	1 1 1	- TV	2	- IP aver
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB2 122m 40ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch Pill Viaduct C-10 Pill Station Top C-12 Avon Road	1 1	- 1 1 4 4 1 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 5 1 3			1 1 	- 1 - - - - - - - 1	1		2 	2 	2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	00 opera	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 5 5 1 3 3 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 	- 1 - - - - - - - 1	- - - - - - 1 1	- TV	2	- IP aver
Materials HGV movements - ONE WAY Personnel: cars/light vans to compounds - 30 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-6 Quarry UB2 122m 40ch C-6 Quarry UB 2 122m 40ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	00 opera 1 1 1	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3			1 1 	- - - - - - - - - - - - - - - - - - -	1 1 1		2	2 	2 2	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	00 opera	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 5 5 1 3 3 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 - - - - - 1 1 1 1 1 1 1 1 1 1	- 1 1 1 1	- - - - - - 1 1	- TV	2	- IP aver

^{*} M5 South (20% personnel, 0% material) : ** M5 North (80% personnel, 100% material)



IP hour (shift changeover) – maximum period of activity, with 300 operatives, with two shifts per day

											_													_	
compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton	compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	
Materials: HGV movements to main compou	ınds - M	AXIMUM	PERIOD						0	NE WAY	' - IP ave	r HOUR	Materials: HGV movements to/from main co	ompound	ls - MAXII	MUM PEI	RIOD					TV	VO WAY		r HC
Main compounds													Main compounds												
C-4 Clanage Road	-	-	-	-	-	-	-		1	1	1	1	C-4 Clanage Road	-	-	-	-		-	-	-	2	2	2	
C-9 Ham Green	-		_	-	-		-		-	-	-	-	C-9 Ham Green		-	_	-	-		-		-	-	-	
C-11 Monmouth Road	-		-	-	-		-		-	-	-	-	C-11 Monmouth Road	-	-	-	-	-	-	-		-	-	-	
C-13 Lodway Farm		3	3	-	3	-	-	-	-	-	-	-	C-13 Lodway Farm	-	6	6	-	6	-	-	-	-	-	-	
C-14 Portbury Hundred	_	3	3	3	_		-	-	-	-	-	_	C-14 Portbury Hundred		6	6	6	-	-	-		-	-	-	
C-15 Sheepway	_	-	-	-		-	-	-	-	-		-	C-15 Sheepway	_	-	-	-	-	-	-		-	-	-	
C-16 Portishead Station Site		1	1	1					-	-		-	C-16 Portishead Station Site		2	2	2	-		-		-	-	-	
	-	7	7	4	3	-	-	-	1	1 V - ID ch	1	1	Materials HGV movements - TWO WAY	- 00 opera	14	14	8	6	-	-	- т	2 WO WA	2 V - ID ch	2	
ersonnel: cars/light vans to compounds - 30			,		-	-	-		_	1 Y - IP cha			Materials HGV movements - TWO WAY Personnel: cars/light vans to compounds - 3 Main compounds					_	-	-	т	2 WO WA			r H
ersonnel: cars/light vans to compounds - 30			,		-	-	-		_	1 Y - IP ch			Personnel: cars/light vans to compounds - 3					_	-	-	т				
ersonnel: cars/light vans to compounds - 30	00 opera	tives (ma	ximum) -	two shif	ts				ONE WA		angeove	r HOUR	Personnel: cars/light vans to compounds - 3 Main compounds	00 opera	tives (ma	ximum) -	two shif	ts				WO WA	Y - IP cha	angeove	r F
ersonnel: cars/light vans to compounds - 30 flain compounds C-4 Clanage Road	00 opera	itives (ma	iximum) -	two shif	its -	-	-	-	ONE WA	14	angeove	er HOUR	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road	<mark>00 opera</mark>	tives (ma	<mark>ximum) -</mark> -	two shif	ts	-	-	-	WO WA	Y - IP cha 28	angeove 28	rl
ersonnel: cars/light vans to compounds - 30 lain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road	00 opera	r <mark>tives (ma</mark> - 6	- 8	two shif	its -	- 8	-	- 8	DNE WA	14	angeove 14 -	14	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound	00 opera	tives (ma	- 16	two shif	its -	- 16	-	- 16	WO WA \ 28 -	Y - IP cha 28 -	angeove 28 -	rl
ersonnel: cars/light vans to compounds - 30 Nain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	- 2 2	rtives (ma	- 8 10	two shif	- -	- 8 10	- - 10	- 8 -	14 -	14 - -	angeove 14 - -	14 -	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road	00 opera	- 12 16	- 16 20	two shift	- - -	- 16 20	- - 20	- 16 -	28 - -	Y - IP cha 28 -	angeove 28 - -	rl
Alain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road	- 2 2 8	- 6 8 34	- 8 10 42	two shif	- - - 42	- 8 10	- - 10	- 8 -	14 - - -	14 - -	14 - -	14 - -	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	- 4 4 16 16	- 12 16 68	- 16 20 84	two shift	- - - 84	- 16 20 -	- - 20 -	- 16 -	28 - - -	28 - - -	28 - -	r F
resonnel: cars/light vans to compounds - 30 lain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway	- 2 2 8	- 6 8 34 34	- 8 10 42 42	two shift 42	- - - 42	8 10 -	- - 10 -	- 8 - -	14 - - -	14 - - -	14 - - -	14	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred	- 4 4 16	- 12 16 68 68	- 16 20 84 84	84	- - - 84	- 16 20 -	- - 20 -	- 16 - -	28 - - -	28 - - - -	28 - - -	r F
ersonnel: cars/light vans to compounds - 30 fain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	- 2 2 8 8	- 6 8 34 34 3	- 8 10 42 42 4	- - - - - 42 4	42	- 8 10 - -	- - 10 - -	- 8 - - -	14 - - - -	14 - - - -	14 - - - -	14	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	- 4 4 16 16 2	- 12 16 68 68 6	- 16 20 84 84 8	84 8	- - - 84 -	- 16 20 -	- - 20 - -	- 16 - -	28 - - -	28	28	rl
C-14 Continue Co	- 2 2 8 8	- 6 8 34 34 3	- 8 10 42 42 4	- - - - - 42 4	42	- 8 10 - -	- - 10 - -	- 8 - - -	14 - - - -	14 - - - -	14 - - - -	14	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds	- 4 4 16 16 2	- 12 16 68 68 6	- 16 20 84 84 8	84 8	- - - 84 -	- 16 20 - - -	- - 20 - -	- 16 - -	28 - - -	28	28	rl
ersonnel: cars/light vans to compounds - 30 fain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site atellite and other compounds C-4 Clanage Road micro-compound	- 2 2 8 8 1 5	- 6 8 34 34 3 21	8 10 42 42 4 26	- - - - 42 4 26	42	- 8 10 - - -	- - 10 - - -	- 8 - - -	14 - - - -	14	14	14	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound	- 4 4 16 16 2	- 12 16 68 68 6 42	16 20 84 84 8 52	- - - - 84 8 52	84 	- 16 20 -	- - 20 - - -	- 16 - - - -	28	28	28	rl
lain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred Sheepway C-16 Porthard Station Site adellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch	- 2 2 8 8 1 5	- 6 8 34 34 3 21	- 8 10 42 42 4 26	42 4 26	42	- 8 10 - - 	- - 10 - - -	- 8 - - - -	14	14	14	14 1	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch	- 4 4 16 16 2	- 12 16 68 68 6 42	- 16 20 84 84 8 52	84 8 52	84 	- 16 20 - - - -	- - 20 - - -	- 16 - - - -	28	28	28	rl
lain compounds C-4 Clanage Road C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site stellite and other compound C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5 Quarry UB2 122m 40ch	- 2 2 2 8 8 1 5	- 6 8 34 34 3 21	- 8 10 42 42 4 26	42 4 26	42	- 8 10 - - - -	- - 10 - - -	- 8 - - - -	14	14	14	14 1 1 1 1 1	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	- 4 4 16 16 2 10	- 12 16 68 68 6 42	20 84 84 85 52	84 8 52	84 	- 16 20 - - - - -	- - 20 - - -	- 16 - - - - -	28	28	28	rl
ain compounds C-4 Clanage Road C-11 Monmouth Road C-12 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site tellite and other compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch	- 2 2 2 8 8 1 5	- 6 8 34 34 3 21 - 1 1	- 8 10 42 42 4 26	- - - - 42 4 26	42	- 8 10 - - - - -	- - 10 - - - -	- 8 - - - - -	14		14	14 1 1	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch	- 4 4 16 16 2 10	- 12 16 68 68 6 42	- 16 20 84 84 8 52	84 8 52	- 84 	- 16 20 - - - -	- - 20 - - -	- 16 - - - - -	28	28	28	rl
ain compounds C-4 Clanage Road C-1 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site tellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-6 Quarry UB 2 122m 40ch C-6 Quarry UB 2 123m 23ch C-7 Miles Dock 124m 04ch	- 2 2 2 8 8 1 5	- 6 8 34 34 3 21 - 1 1 1 1	- 8 10 42 42 4 26	42 4 26	42 	- 8 10 1 1 1 1	- - 10 - - - -	- 88 1	14		14	14 1 1 1 1 1 1	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch	- 4 4 4 16 16 2 10	- 12 16 68 68 6 42	- 16 20 84 84 8 52	84 8 52	84 	- 16 20 - - - - - - 2 2 2 2 2 2	- - 20 - - - -	- 16 - - - - - - -	28	28	28	r
lain compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site stellite and other compound C-5 Valley UB 122m 34ch C-5 Quarry UB2 122m 40ch C-6 Quarry UB4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	2 2 2 8 8 1 5	- 6 8 34 34 3 21 - 1 1 1 1 1 1 1	- 8 10 42 42 4 26	42 4 26	42 	1 1 1 1 1 1	- 10 - - - - -	- 8 - - - - -	14		14	14	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 40ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	- 4 4 4 16 16 2 10	- 12 16 68 68 6 42	- 16 20 84 84 8 52	84 8 52		2 2 2 2 2 2 2 2 2	- 20 - - - - -	- 16 - - - - -	28	28	28	
lain compounds C-4 Clanage Road C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site at C-16 Road Micro-compound C-5 Valley UB 122m 34ch C-5 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct	2 2 2 8 8 1 5	- 6 8 34 34 3 21 - 1 1 1 1 1 1	- 8 10 42 42 4 26	42 4 26		1 1 1 1 1	- 10 - - - -	- 88 1 1 1	14	14 	14	14	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct	- 4 4 16 16 2 10	- 12 16 68 68 6 42	20 84 84 85 52 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			2 2 2 2 2 2 2 2 2 2	- - 20 - - - - - - - - - - - - - - - - -	- 16 - - - - - - -	28	28	28	
All of the port of	- 2 2 8 8 1 5	- 6 8 34 34 3 21 - 1 1 1 1 1 1 1 1	- 8 10 42 42 4 26	42 4 26		1 1 1 1 1 1 1	- - 10 - - - - - - - - - - - - - - - - -	- 8 1 1 1	14	14 	14	14	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	- 4 4 16 16 2 10	- 12 16 68 68 6 42 - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ximum)			- 16 20 - - - - - - 2 2 2 2 2 2 2 2 2 2 2	- - 20 - - - - - - - - - - - - - - - - -	- 16 - - - - - - - - - - - - - - - - - -	28	28	28	rl
C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Vidduct C-10 Pill Station Top C-12 Avon Road	2 2 2 8 8 1 5	- 6 8 34 34 3 21	1 1 1 1 1 1 1 1 1 1		42 	1 1 1 1 1 1 1	- - - - - - - - - - - - - - - - - - -	- 8 1 1 1	- 14		14	14	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 2 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	- 4 4 4 16 16 2 10	- 12 16 68 68 6 42 - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ximum) - - 16 20 84 84 8 52 - 2 2 2 2 2 2 2 2			- 16 20 - - - - - - 2 2 2 2 2 2 2 2 2 2 2 2	- - 20 - - - - - - - - - - - - - - - - -	- 16 - - - - - - - - - - - - - - - - - -	28	28	28	r F
Aain compounds C-4 Clanage Road C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site atellite and other compound C-5 Valley UB 122m 34ch C-5 Quarry UB2 122m 40ch C-6 Quarry UB4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	2 2 2 8 8 1 5	- 6 8 34 34 3 21	- 8 10 42 42 4 26			1 1 1 1 1 1 1 1 1	- - 10 - - - - - - - - - 1 1 1	- 8 1 1 1	- 14		14	14	Personnel: cars/light vans to compounds - 3 Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	- 4 4 16 16 2 10	- 12 16 68 68 6 42 - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ximum)			- 16 20 - - - - - - 2 2 2 2 2 2 2 2 2 2 2	- - 20 - - - - - - - - - - - - - - - - -	- 16 - - - - - - - - - - - - - - - - - -	28	28	28	r F

^{*} M5 South (20% personnel, 0% material) : ** M5 North (80% personnel, 100% material)





PM peak hour – maximum period of activity, with 300 operatives, with a single shift per day (one start time)

PM PEAK HOUR - maximum period	of act	ivity, w	ith 300	opera	tives -	SHAGE	E SHIF	(singi	e start	time)															
compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton	compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton
Materials: HGV movements to main compo										E WAY -			Materials: HGV movements to/from main co											PM peak	
Main compounds													Main compounds												
C-4 Clanage Road		-	-	_	_		_		-	-		-	C-4 Clanage Road	-	-	-	-							_	
C-9 Ham Green													C-9 Ham Green												
C-11 Monmouth Road				-		-	-		-	-			C-11 Monmouth Road				-	-	-			-			
C-13 Lodway Farm													C-13 Lodway Farm												
C-13 Louway Farm C-14 Portbury Hundred				-			-			-			C-14 Portbury Hundred				-	-		H :		-			
C-15 Sheepway									-	-			C-15 Sheepway				-	-							
C-15 Sneepway C-16 Portishead Station Site		-	-	-	-	-	-			-		-	C-15 Sheepway C-16 Portishead Station Site	-			-			-		-		-	
C-10 Portisilead Station Site	_	-	_	-	-	-	-	-	-	-		-	C-10 Portisilead Station Site		-	_	-	-	-			-	-	-	-
_ , , , , , , , , , , , , , , , , , , ,																									
	00 opera	tives (ma	ximum) -	single s	hift, sam	e start t	ime		ON	E WAY -	PM pea	ik HOUR	Personnel: cars/light vans to compounds - 30	00 opera	tives (ma	ximum) -	single sl	nift, sam	e start t	time		TW	O WAY -	· PM peak	k HO
Main compounds	00 opera				hift, sam	e start t	ime	_					Main compounds				single sl	nift, sam	e start t	time	_				
Main compounds C-4 Clanage Road		-	-						ON 2	E WAY - 2	PM pea	ak HOUR	Main compounds C-4 Clanage Road		-	-			-		- 1	2 -	2 -	PM peak	2
Main compounds C-4 Clanage Road C-9 Ham Green Compound	-	- 1	- 1			- 1	-	1			2	2	Main compounds C-4 Clanage Road C-9 Ham Green Compound	-	- 1	- 1	-	-	- 1	-	- 1			2	2
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road	-	-	-	-	-	-	-	1	2	2	2	2	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road	-	-	-	-	-	-	-	-	2 -	2	2	
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	- - - 1	- 1 1 4	- 1 1 5		-	- 1 1	- - 1	1 -	2 -	2 -	2 -	2 -	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	- - - 1	- 1 1 4	- 1 1 5	-	- - -	- 1 1	- - 1	-	2 -	2 -	2 -	:
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred	-	- 1 1	- 1 1	-	- - - 5	- 1 1	- - 1	1 - -	2	2 - -	2	2	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred	-	1 1 4 4	- 1 1	- - -	- - - 5	- 1 1	- - 1	-	2 - -	2 - -	2	-
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway	- - - 1 1	- 1 1 4 4	- 1 1 5	- - - - 5	- - - 5	- 1 1 -	- - 1 -	1 - -	2	2	2	2 - - -	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway	- - - 1 1	1 1 4 4	- 1 1 5 5	- - - - 5	- - - 5	- 1 1 -	- - 1	-	2 - - -	2	2	- - - -
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	- - 1 1	1 1 4 4	- 1 1 5 5	- - - - 5	- - - 5 -	- 1 1 - -	- - 1 - -	1 - - - -	2	2	2	2 - - -	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	- - - 1 1	1 1 4 4	- 1 1 5	- - - - 5	- - - 5	- 1 1 - -	- - 1 - -	-	2 - - -	2 - - - -	2 - - -	2 - - - -
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds	- - - 1 1 -	1 1 4 4 1 2	- 1 1 5 5 1 3	- - - - 5 1	- - - 5 - -	- 1 1 - -	- 1 - - -	1 - - - -	2	2	2	2 - - - - -	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds	- - - 1 1 -	1 1 4 4 1 2	- 1 1 5 5 1 3	- - - 5 1	- - - 5 - -	- 1 1 - -	1	-			2	2 - - - -
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound	- - 1 1 - 1	- 1 1 4 4 1 2	- 1 1 5 5 1 3	- - - - 5 1	- - - 5 - -	- 1 1 - - -	- - 1 - -	1 - - - -	2		2	2 1	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound	- - 1 1 - 1	- 1 1 4 4 1 2	- 1 1 5 5 1 3	- - - - 5 1 3	- - - 5 - -	- 1 1 - - -	- - 1 - - -	-	2 - - - -	2 - - - -	2	2
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch	- - 1 1 - 1	- 1 1 4 4 1 2	1 1 5 5 1 3	- - - 5 1 3	- - - 5 - -	- 1 1 - - -	- 1 - - -	1 - - - - -	2		2	2 1 1 1	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch	- - 1 1 - 1	- 1 1 4 4 1 2	1 1 5 5 1 3	- - - - 5 1 3	- - - 5 - -	- 1 1 - - - -	- 1 - - -	-		2 - - - - -	2	2 - - - - - 1 1
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	- - 1 1 - 1	- 1 1 4 4 1 2	- 1 1 5 5 1 3	- - - 5 1 3	- - - 5 - -	- 1 1 - - - - -	- - 1 - - -	1 - - - - -	2 - - - - -		2	2 - - - - - - - 1 1 1	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	- - 1 1 - 1	- 1 1 4 4 1 2	- 1 1 5 5 1 3	- - - 5 1 3	- - - 5 - -	- 1 1 - - - - - 1 1		-		2 - - - - - -	2	2
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site atellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch	1 1	- 1 1 4 4 1 2	- 1 1 5 5 1 3	- - - 5 1 3	- - - 5 - - -	1 1 - - - - - 1 1 1 1	- - 1 - - -	1 	2 - - - - - -		2	2 - - - - - 1 1 1 1	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch	1 1	- 1 1 4 4 1 2	- 1 1 5 5 1 3	- - - 5 1 3	- - - 5 - - -	1 1 - - - - - 1 1 1 1	- - 1 - - -	-	2 - - - - -		2	1111111
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Material Compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch	1 1 1 	- 1 1 4 4 1 2	1 1 5 5 1 3	- - - - 5 1 3	- - - 5 - - - -	1 1 	- - 1 - - - -	1 	2 		2	2 - - - - - 1 1 1 1	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch	1 1	- 1 1 4 4 1 2	- 1 1 5 5 1 3	- - - 5 1 3	- - - 5 - - -	1 1 - - - - 1 1 1 1	- - 1 - - - -	-	2 - - - - - - -	2 		111111
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-6 Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	- - 1 1 - - 1	- 1 4 4 1 2	- 1 1 5 5 1 3	- - - - 5 1 3	- - - 5 - - - -	1 1 - - - - 1 1 1 1 1		1 	2 		2	2	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB2 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	- - 1 1 - - 1	- 1 4 4 1 2	- 1 5 5 1 3	- - - 5 1 3	- - 5 - - - -	1 1 - - - - 1 1 1 1 1		1 1	2 	2 		111111111111111111111111111111111111111
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Matellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct	- - 1 1 - - 1	- 1 1 4 4 1 2	- 1 1 5 5 1 3	- - - 5 1 3	- - - 5 - - - - - -	1 1 - - - - - 1 1 1 1 1 1	- - 1 - - - - - - - - 1	1 	2 	2 	2	2	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct	- - 1 1 - - 1	- 1 1 4 4 1 2	- 1 1 5 5 1 3	- - - - 5 1 3	- - - 5 - - - - -	1 1 - - - - - 1 1 1 1 1 1	- - 1 - - - - - - - 1	1 1 1	2 	2 		
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Material C-4 Clanage Road micro-compound C-4 Clanage Road micro-compound C-5 Valley UB 122m 44ch C-6 Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	- - - 1 1 - 1	- 1 1 4 4 1 1 2	- 1 1 5 5 1 3 - 1 1 1 1 1 1			1 1 - - - - - 1 1 1 1 1 1 1	- - 1 - - - - - - - - 1 1	1 	2 - - - - - - - - - - - - - - - - - - -			2 	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top		- 1 1 4 4 1 1 2	- 1 1 5 5 1 3 3	- - - - 5 1 3	- - - 5 - - - - - -	1 1 - - - - - 1 1 1 1 1 1 1	- - 1 - - - - - - - 1 1		2	2 		
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB2 122m 40ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	- - 1 1 1 - - 1	- 1 1 4 4 1 1 2	- 1 1 5 5 1 3 3			1 1 	- - - - - - - - - - 1 1 1	1 	2 			2	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	- - - 1 1 - 1	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1	- 1 1 5 5 1 3 3	- - - 5 1 3	- - - 5 - - - - - - - - -	1 1 - - - - 1 1 1 1 1 1 1 1 1	- - 1 - - - - - - - 1 1	1 1	2	2 		
Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road QUB6 Quarry underbridge	1 1 1	- 1 1 4 4 1 2	- 1 1 5 5 1 3 - 1 1 1 1 1 1 1 1		- - - - - - - - - - - - - - - - - - -	1 1 		1 	2 		2 	2 	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road QUB6 Quarry underbridge		- 1 1 4 4 1 2	- 1 1 5 5 1 3 - 1 1 1 1 1 1 1 1	- - - 5 1 3	- - - 5 - - - - - - - - -	1 1 - - - - - 1 1 1 1 1 1 1	- - 1 - - - - - - 1 1 1	1 1 1				
C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 49ch C-6 Quarry UB 2 122m 40ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	- - 1 1 1 - - 1	- 1 1 4 4 1 1 2	- 1 1 5 5 1 3 3			1 1 	- - - - - - - - - - 1 1 1	1 	2 			2	Main compounds C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	- - - 1 1 - 1	- 1 1 4 4 1 2 - 1 1 1 1 1 1 1	- 1 1 5 5 1 3 3	- - - 5 1 3	- - - 5 - - - - - - - - -	1 1 - - - - 1 1 1 1 1 1 1 1 1	- - 1 - - - - - - - 1 1	1 1	2	2 		

^{*} M5 South (20% personnel, 0% material) : ** M5 North (80% personnel, 100% material)



PM peak hour - maximum period of activity, with 300 operatives, with two shifts per day

PM PEAK HOUR - maximum period	of act	ivity, w	ith 300	opera	tives -	TWO S	HIFTS																	
compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin	A369 near Long Ashton	compounds & routes	M5 South *	M5 North **	M5 Junction 19	A369 Portbury Hundred	Royal Protbury Dock Rd	A369 Martcombe Rd	Priory Rd (Pill)	Pill Rd	M5 Junction 18	A4 Portway	A370/Brunel Wy/Cumbrind Bsin
Materials: HGV movements to main compou		AXIMUM	PERIOD							IE WAY -			Materials: HGV movements to/from main co		ls - MAXI	MUM PEI							O WAY -	PM peak
Main compounds													Main compounds											
C-4 Clanage Road	-	-	-	-	-	-			1	1	1	1	C-4 Clanage Road	-	-	-	-	-	-	_	_	2	2	2
C-9 Ham Green										1		-	C-9 Ham Green		-							_		-
C-11 Monmouth Road	-			-		-	-						C-11 Monmouth Road		-				-					
C-13 Lodway Farm		3	3		3								C-13 Lodway Farm		6	6		6						
C-14 Portbury Hundred	-	3	3	3	-		-						C-14 Portbury Hundred		6	6	6	-						
C-15 Sheepway		-	-	-								-	C-14 Fortbury Hundred C-15 Sheepway		-	-	-					-		-
C-15 Sheepway C-16 Portishead Station Site	-	1	1	1						-		-	C-15 Sheepway C-16 Portishead Station Site	-	2	2	2			- :	-	-		
C-10 Fortishead Station Site	_	1	1	1		-	_		-	-		-	C-10 Portisilead Station Site	_	2		2	-		-				-
Personnel: cars/light vans to compounds - 3	00 opera	tives (ma	ximum) -	two shi	fts				ON	IE WAY -	PM pea	ik HOUR	Personnel: cars/light vans to compounds - 3	00 opera	tives (ma	ximum) -	two shif	ts				TW	O WAY -	PM peak
Main compounds													Iviani compounds											
					_	_	_	_	2	2	2	2	C-A Clanage Road		-		_	_		_	_	2	2	2
C-4 Clanage Road	-		-	-	-	- 1	-	- 1	2	2	2	2	C-4 Clanage Road		- 1	- 1	-	-	- 1	-	- 1	2	2	2
C-4 Clanage Road C-9 Ham Green Compound	-	1	1	-	-	1	-	1	-	-		-	C-9 Ham Green Compound	-	1	1	-	-	1	-	1	-	_	
C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road	-	1	1	-	-			1	-	-	-	-	C-9 Ham Green Compound C-11 Monmouth Road	-	1	1	-	-			-	-	-	-
C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	- - 1	1 1 4	1 1 5	-	- - 5	1	- 1 -	1 -	-	-	-	-	C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm	- - 1	1 1 4	1 1 5	-	-	1	- 1	-	-	-	-
C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred	-	1 1 4 4	1 1 5 5	- - - 5	-	1 1 -	- 1	1 - -	-	-	-	-	C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred	- - 1 1	1 1 4 4	1 1 5 5	- - - 5	- - 5	1 1 -	- 1 -	-	-	-	-
C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway	- - 1 1	1 1 4	1 1 5	-	- - 5 -	1 1 -	- 1 -	1 - -	-	-	-	-	C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway	- - 1	1 1 4	1 1 5	-	- - 5	1 1	- 1 -	-	-	-	- - -
C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	- - 1 1	1 1 4 4 1	1 1 5 5	- - - 5 1	- - 5 -	1 1 - -	- 1 - - -	1 - - -	-	-	-	-	C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site	- - 1 1	1 1 4 4 1	1 1 5 5	- - - 5 1	- - 5 -	1 1 - -	- 1 - -	-	-	-	- - - -
C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds	- - 1 1 - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - - 5 1 3	- - 5 - -	1 1 - - -	- 1 - -	1 - - - -	-		-	-	C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds	- 1 1 - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - - 5 1 3	- - 5 - -	1 1	- 1 - - -	-	-	-	
C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound	1 1 - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - - 5 1 3	- - 5 - - -	1 1 - - - -	- 1 - - -	1 - - - -	-				C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound	- 1 1 - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - - 5 1 3	- - 5 - -	1 1 1	- 1 - - -	-	-		
C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portshead Station Site Satellite and other compounds C-4 C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch	- 1 1 - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - - 5 1 3	- - 5 - - -	1 1 - - - - 1 1	- 1 - - -	1 - - - -	-		-	- - - - - - - 1 1	C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch	- 1 1 - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - 5 1 3	- - 5 - - -	1 1 - - - 1 1	-	-			
C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	- 1 1 - 1	1 1 4 4 1 2	1 5 5 1 3	- - - 5 1 3	- - 5 - - -	1 1 - - - - 1 1 1	- 1		-		-	- - - - - - - 1 1 1	C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch	1 1 - 1	1 1 4 4 1 2	1 5 5 1 3	- - 5 1 3		1 1 1 1 1 1	- 1	-	-	-	
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C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	- - 1 1 - - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - 5 1 3	- - 5 - - - - -	1 1 - - - - 1 1 1 1 1 1	- 1 - - - - - - -	1 	-	-	-	1 1 1	C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB 212m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch	- - 1 1 - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - 5 1 3		1 1 - - - 1 1 1 1 1		1	-	-	
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C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	- - 1 1 - - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - - 5 1 3	- - 5 - - - - - - -	1 1 - - - - - 1 1 1 1 1 1 1 1 1 1 1	- - - - - - - - - - - - - - - - - - -	1 		-		1 1 1 1	C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 2 122m 40ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top	- - 1 1 - - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - 5 1 3	- - 5 - - - - - -	1 1 - - - - 1 1 1 1 1 1 1 1 1	- - - - - - - - 1 1		-	-	-
C-4 Clanage Road C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	- - 1 1 - - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - - 5 1 3	- - - - - - - - - - - - -	1 1 	- - - - - - - - - - - - - - - - - - -	1 	-	-		1 1 1	C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	- - 1 1 - - - - - - -	1 1 4 4 1 2	1 1 5 5 1 3 - 1 1 1 1 1 1 1	- - 5 1 3	- - - - - - - - - -	1 1 - - - - 1 1 1 1 1 1 1 1	- - - - - - - - - - 1 1 1	- - - - - - 1 1	-	-	-
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C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB 2 122m 40ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	- - 1 1 - - 1	1 1 4 4 1 2	1 1 5 5 1 3	- - - 5 1 3	- - - - - - - - - - - - -	1 1 	- - - - - - - - - - - - - - - - - - -	1 	-	-		1 1 1	C-9 Ham Green Compound C-11 Monmouth Road C-13 Lodway Farm C-14 Portbury Hundred C-15 Sheepway C-16 Portishead Station Site Satellite and other compounds C-4 Clanage Road micro-compound C-5 Valley UB 122m 34ch C-5A Quarry UB2 122m 40ch C-6 Quarry UB4 123m 23ch C-7 Miles Dock 124m 04ch C-8 Chapel Pill Farm 124m 44ch C-9A Pill Viaduct C-10 Pill Station Top C-12 Avon Road	- - 1 1 - - - - - - -	1 1 4 4 1 2	1 1 5 5 1 3 - 1 1 1 1 1 1 1	- - 5 1 3	- - - - - - - - - -	1 1 - - - - 1 1 1 1 1 1 1 1	- - - - - - - - - - 1 1 1	- - - - - - 1 1	-	-	-

^{*} M5 South (20% personnel, 0% material) : ** M5 North (80% personnel, 100% material)

Memorandum

Draft revised Chapter 5 of CTMP, incorporating HE SoCG analysis

Appendix B

Appendix B

M5 junction 19 traffic movements - plots

List of operating scenarios showing construction traffic and counts at the junction:

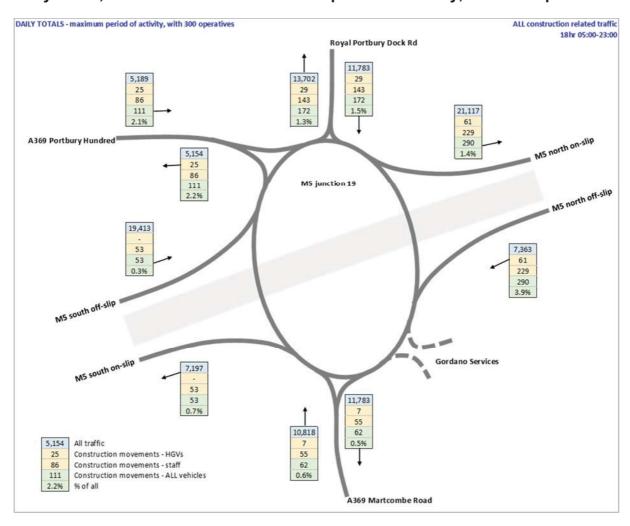
- Daily totals, 18hr 05:00-23:00 maximum period of activity, with 300 operatives
- Maximum hour totals, 07:00-08:00 maximum period of activity, 300 operatives, single shift per day (one start time)
- Maximum hour totals, 05:00-06:00 maximum period of activity, 300 operatives, two shifts per day
- AM peak hour, 08:00-09:00 maximum period of activity, 300 operatives, single shift per day (one start time)
- AM peak hour, 08:00-09:00 maximum period of activity, 300 operatives, two shifts per day
- IP hour (average), 11:00-15:00 maximum period of activity, 300 operatives, single shift per day (one start time)
- IP hour (average), 11:00-15:00 maximum period of activity, 300 operatives, two shifts per day
- IP hour (shift changeover), 13:00-14:00 maximum period of activity, 300 operatives, two shifts per day
- PM peak hour, 17:00-18:00 maximum period of activity, 300 operatives, single shift per day (one start time)
- PM peak hour, 17:00-18:00 maximum period of activity, 300 operatives, two shifts per day



Draft revised Chapter 5 of CTMP, incorporating HE SoCG analysis

Appendix B

Daily totals, 18hr 05:00-23:00 - maximum period of activity, with 300 operatives

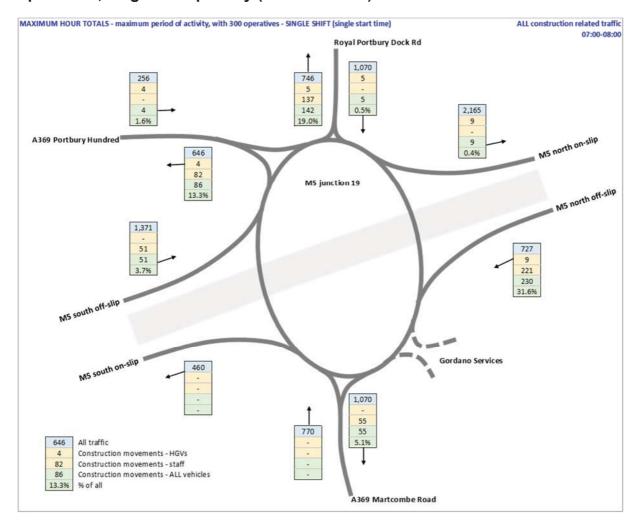




Draft revised Chapter 5 of CTMP, incorporating HE SoCG analysis

Appendix B

Maximum hour totals, 07:00-08:00 – maximum period of activity, 300 operatives, single shift per day (one start time)

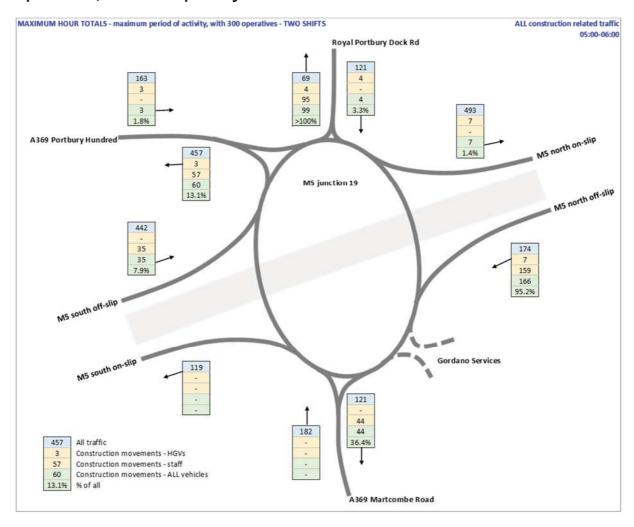




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Appendix B

Maximum hour totals, 05:00-06:00 – maximum period of activity, 300 operatives, two shifts per day

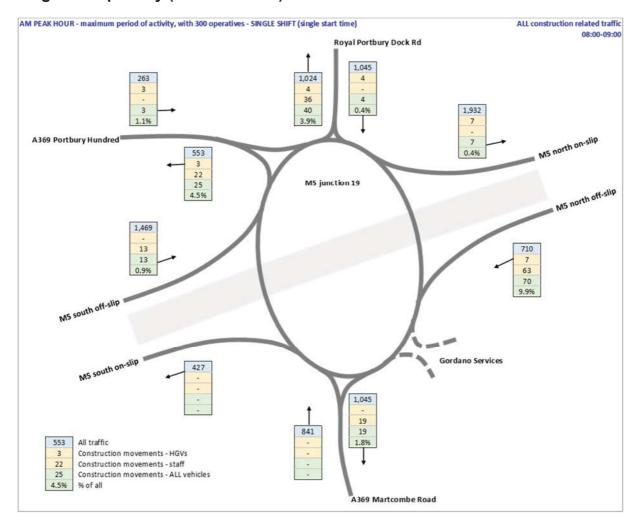




Draft revised Chapter 5 of CTMP, incorporating HE SoCG analysis

Appendix B

AM peak hour, 08:00-09:00 – maximum period of activity, 300 operatives, single shift per day (one start time)

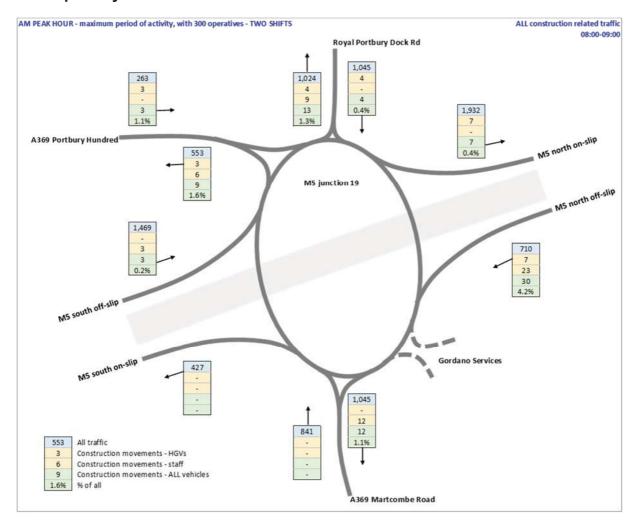




Draft revised Chapter 5 of CTMP, incorporating HE SoCG analysis

Appendix B

AM peak hour, 08:00-09:00 – maximum period of activity, 300 operatives, two shifts per day

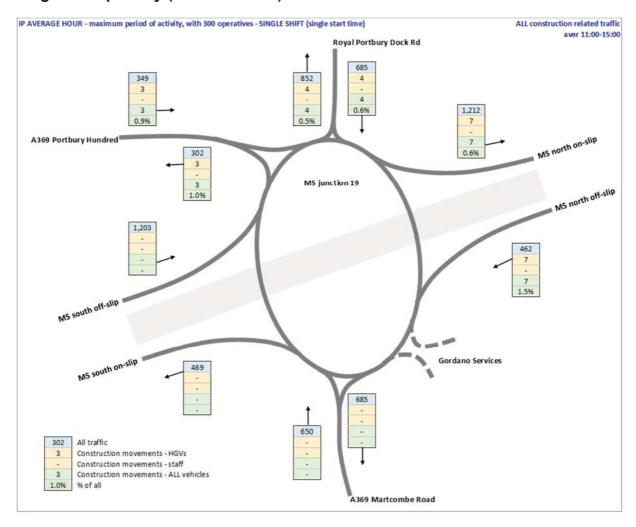




Draft revised Chapter 5 of CTMP, incorporating HE SoCG analysis

Appendix B

IP hour (average), 11:00-15:00 – maximum period of activity, 300 operatives, single shift per day (one start time)

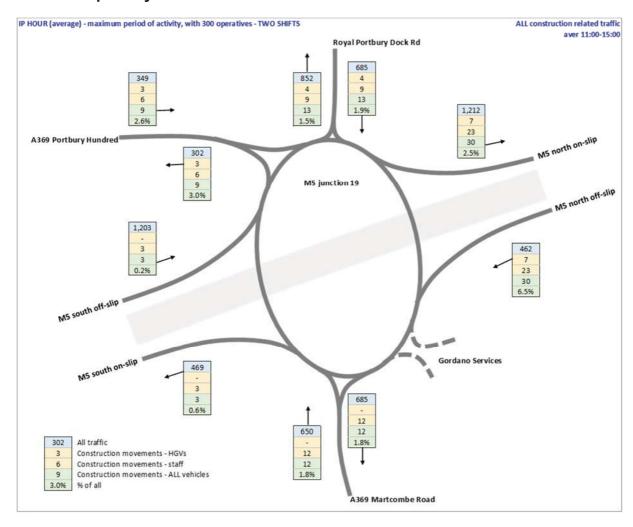




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Appendix B

IP hour (average), 11:00-15:00 – maximum period of activity, 300 operatives, two shifts per day

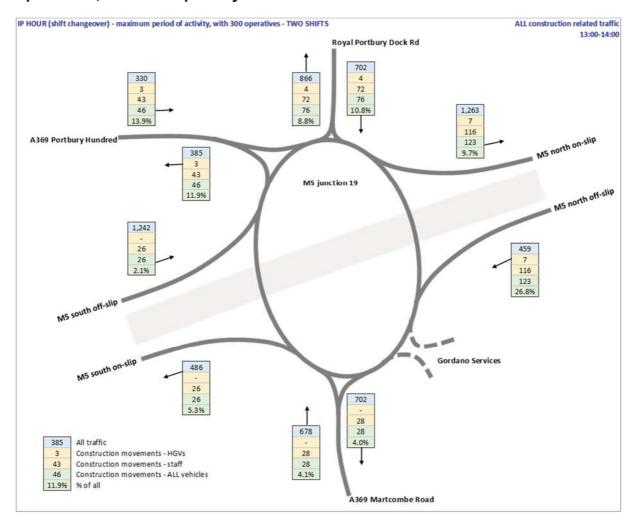




Draft revised Chapter 5 of CTMP, incorporating HE SoCG analysis

Appendix B

IP hour (shift changeover), 13:00-14:00 – maximum period of activity, 300 operatives, two shifts per day

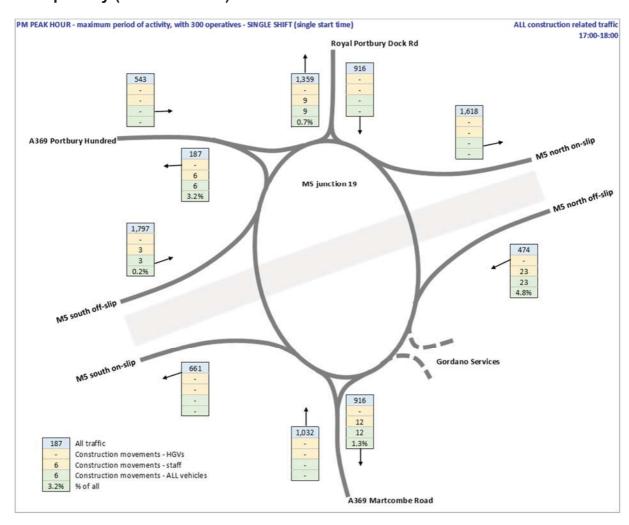




Draft revised Chapter 5 of CTMP, incorporating HE SoCG analysis

Appendix B

PM peak hour, 17:00-18:00 – maximum period of activity, 300 operatives, single shift per day (one start time)

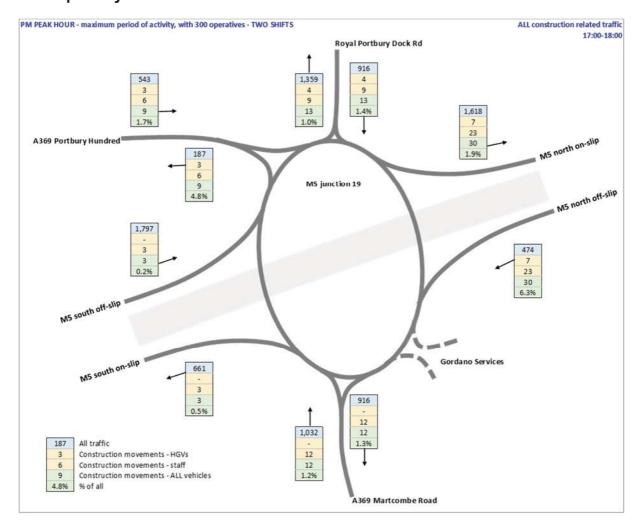




Draft revised Chapter 5 of CTMP, incorporating HE SoCG analysis

Appendix B

PM peak hour, 17:00-18:00 – maximum period of activity, 300 operatives, two shifts per day



Memorandum

Draft revised Chapter 5 of CTMP, incorporating HE SoCG analysis

Appendix C

Appendix C

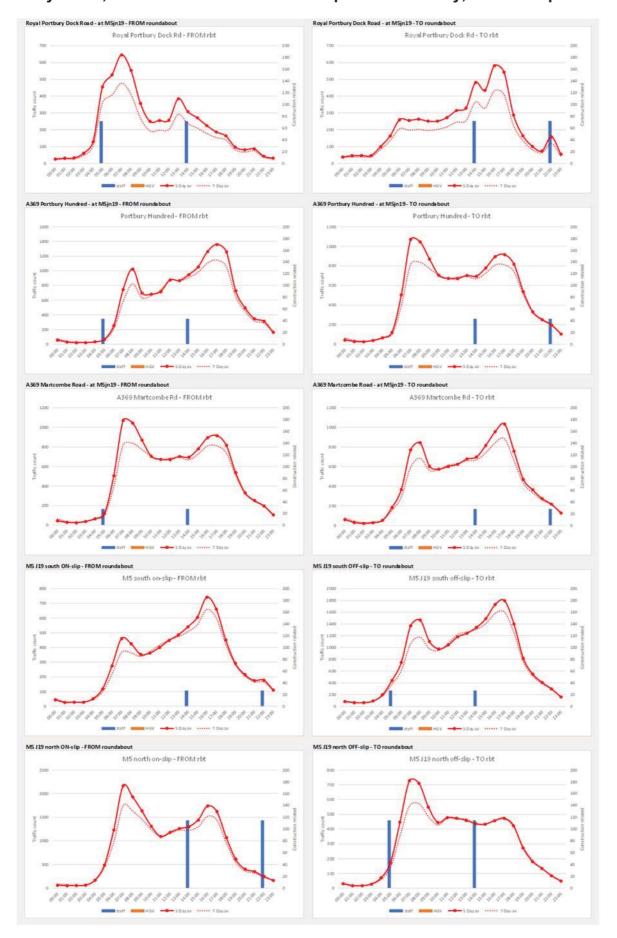
M5 junction 19 traffic movements - profiles

List of operating scenarios illustrating the profile of movements through the day, including proportions of construction traffic at the junction:

- Daily totals, 18hr 05:00-23:00 maximum period of activity, with 300 operatives
- Maximum hour totals, 07:00-08:00 maximum period of activity, 300 operatives, single shift per day (one start time)
- Maximum hour totals, 05:00-06:00 maximum period of activity, 300 operatives, two shifts per day
- AM peak hour, 08:00-09:00 maximum period of activity, 300 operatives, single shift per day (one start time)
- AM peak hour, 08:00-09:00 maximum period of activity, 300 operatives, two shifts per day
- IP hour (average), 11:00-15:00 maximum period of activity, 300 operatives, single shift per day (one start time)
- IP hour (average), 11:00-15:00 maximum period of activity, 300 operatives, two shifts per day
- IP hour (shift changeover), 13:00-14:00 maximum period of activity, 300 operatives, two shifts per day
- PM peak hour, 17:00-18:00 maximum period of activity, 300 operatives, single shift per day (one start time)
- PM peak hour, 17:00-18:00 maximum period of activity, 300 operatives, two shifts per day

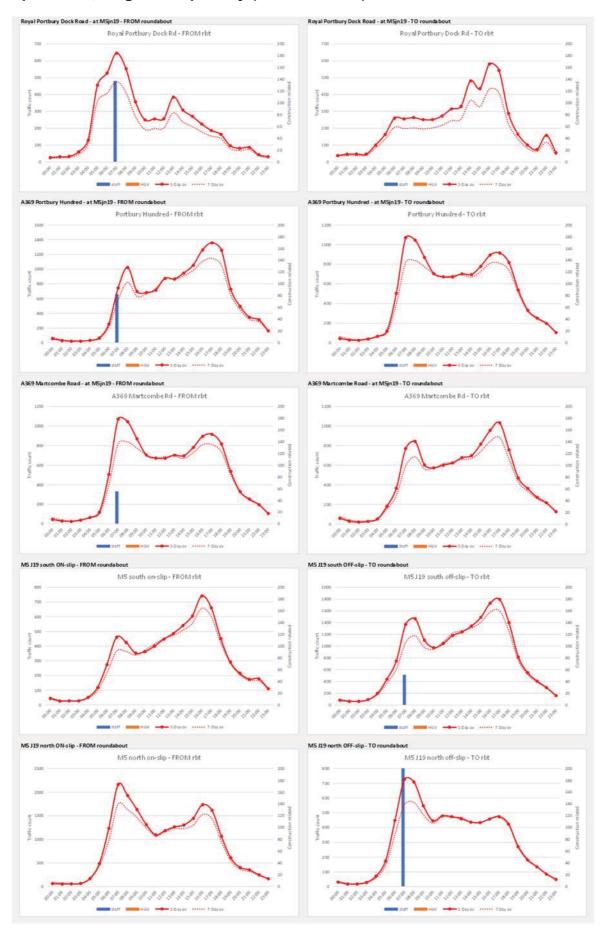


Daily totals, 18hr 05:00-23:00 - maximum period of activity, with 300 operatives



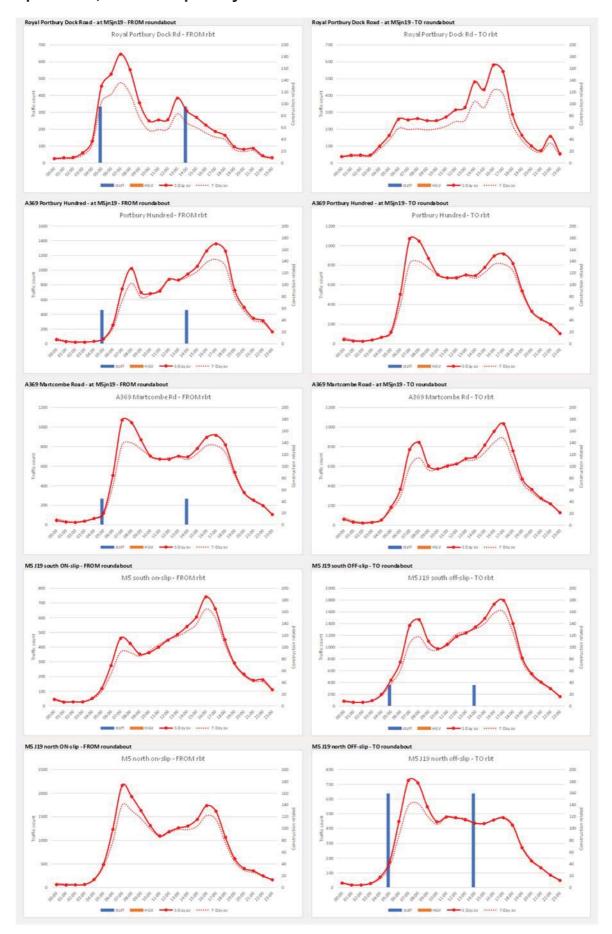


Maximum hour totals, 07:00-08:00 – maximum period of activity, 300 operatives, single shift per day (one start time)

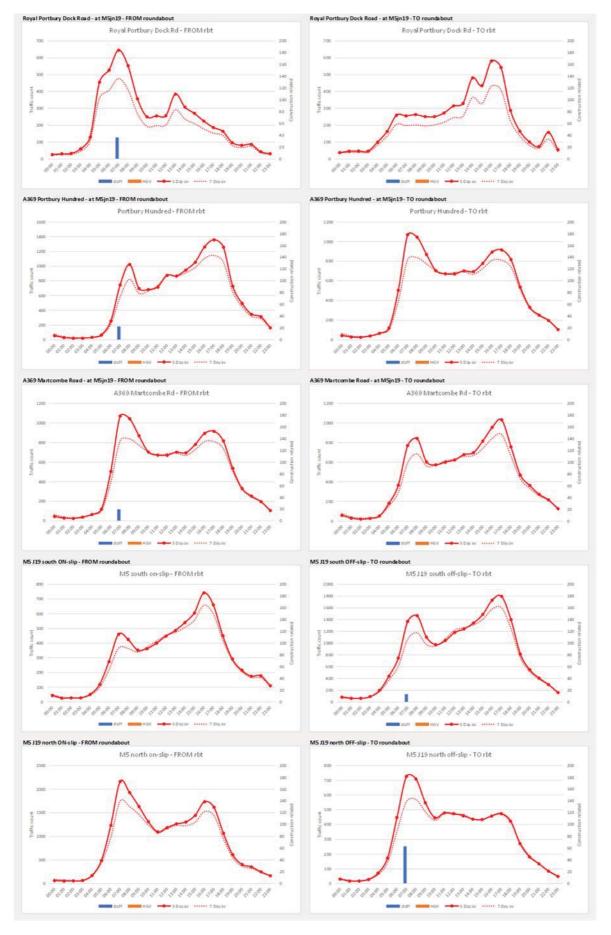




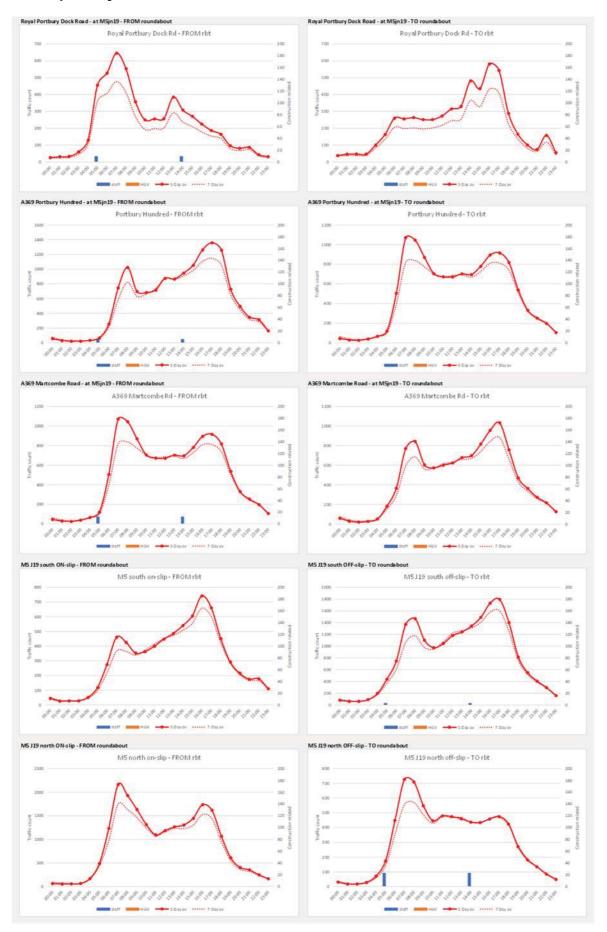
Maximum hour totals, 05:00-06:00 – maximum period of activity, 300 operatives, two shifts per day



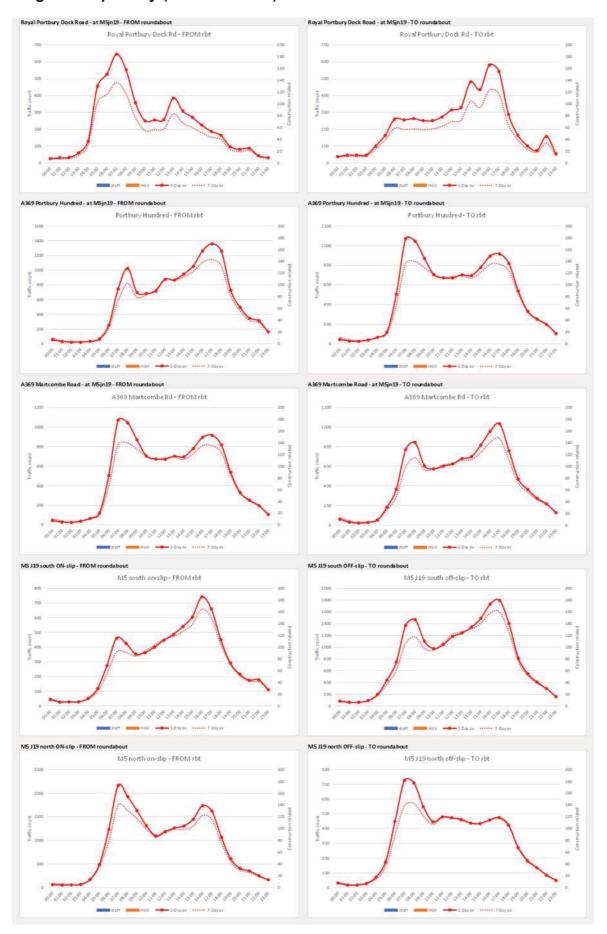
AM peak hour, 08:00-09:00 – maximum period of activity, 300 operatives, single shift per day (one start time)



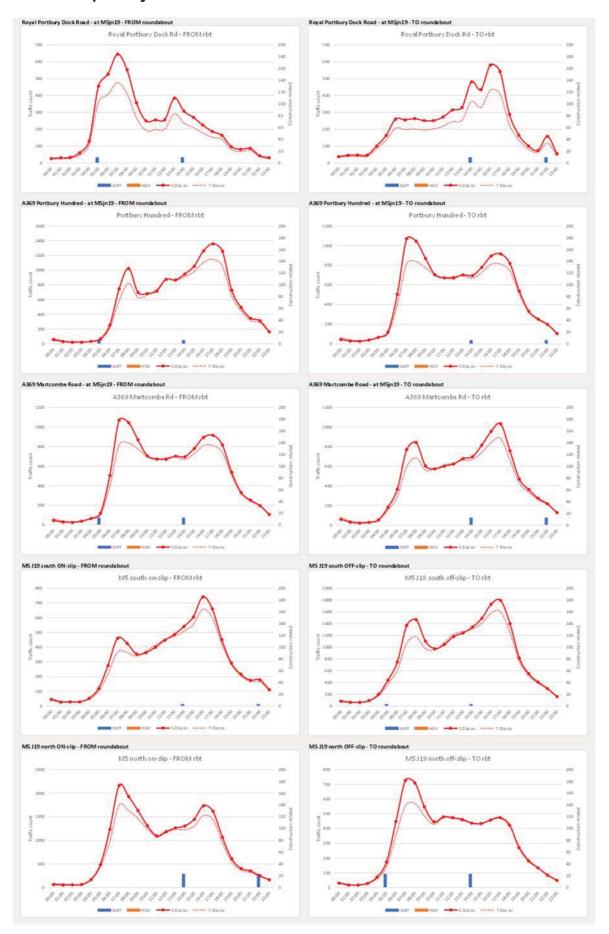
AM peak hour, 08:00-09:00 – maximum period of activity, 300 operatives, two shifts per day



IP hour (average), 11:00-15:00 – maximum period of activity, 300 operatives, single shift per day (one start time)

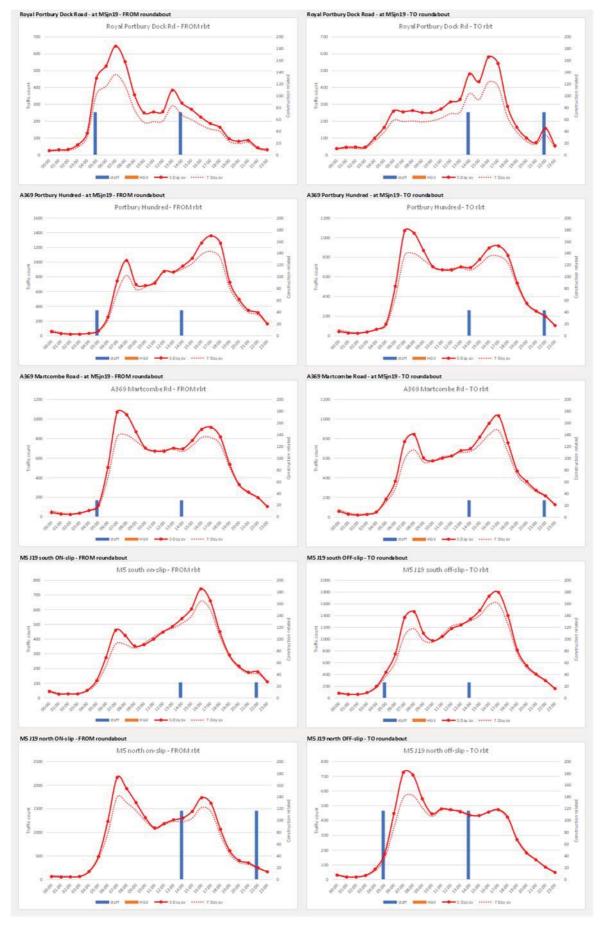


IP hour (average), 11:00-15:00 – maximum period of activity, 300 operatives, two shifts per day

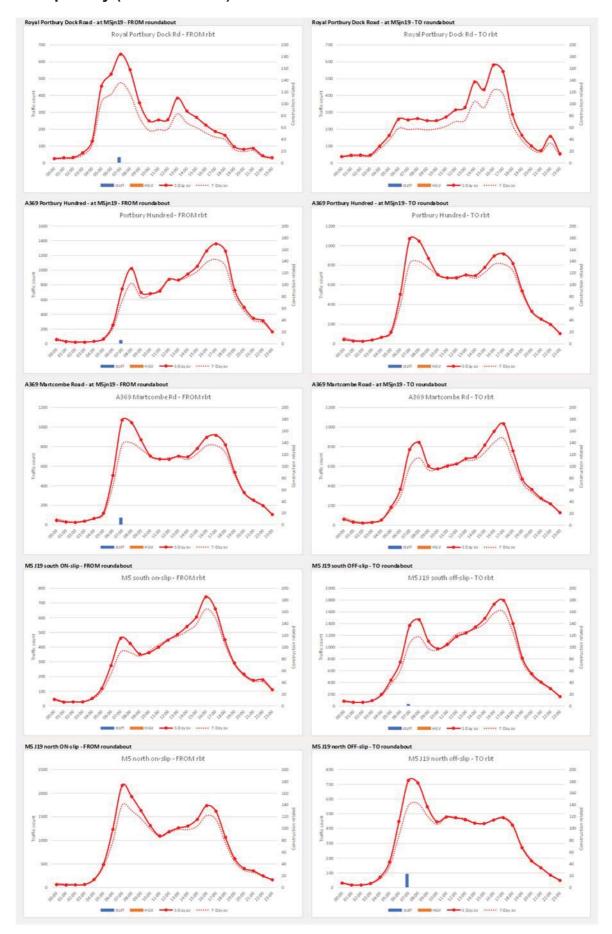




IP hour (shift changeover), 13:00-14:00 – maximum period of activity, 300 operatives, two shifts per day



PM peak hour, 17:00-18:00 – maximum period of activity, 300 operatives, single shift per day (one start time)



PM peak hour, 17:00-18:00 – maximum period of activity, 300 operatives, two shifts per day

