

East Anglia THREE

# Appendix 27.10

HGV and employee traffic assigned to  
the construction programme (Two  
Phased)

**Environmental Statement**

Volume 3

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**Appendix 27.10 - HGV and employee movements assigned to the construction programme (Two Phased)**

**Table 1 - Average daily HGV deliveries (Section 1)**

Activity	Total Working Days	Total HGVs deliveries*	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	40	332		9	9	9	9	9	9	9																					
Establish intermediate construction compounds	0	0																													
Excavate pre installed ducts and jointing pits, install cables and reinstate	40	510									13	13	13	13	13	13	13														
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	40	332																9	9	9	9	9	9	9							
Demobilisation of intermediate compounds	0	0																													
Demobilisation of primary compounds	0	0																													
<b>Total HGV deliveries per day</b>			0	9	9	9	9	9	9	9	22	22	13	13	13	13	13	22	9	9	9	9	9	9	9	0	0	0	0	0	0
<b>Total two-way HGV movements per day</b>			0	18	18	18	18	18	18	18	44	44	26	26	26	26	26	44	18	18	18	18	18	18	18	0	0	0	0	0	0

\*Numbers obtained from Appendix 27.6 Table 2

**Table 2 - Average daily personnel requirements (Section 1)**

Activity	Total Working Days	Total Person Days **	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	30	258		15	15	15	15	15	15	15																					
Establish intermediate construction compounds	0	0																													
Excavate pre installed ducts and jointing pits, install cables and reinstate	25	375									15	15	15	15	15	15	15														
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	30	258																15	15	15	15	15	15	15	15						
Demobilisation of intermediate compounds	0	0																													
Demobilisation of primary compounds	0	0																													
Administration of site compounds	0	0																													
<b>Total Employees per day</b>			0	15	15	15	15	15	15	15	30	30	15	15	15	15	15	30	15	15	15	15	15	15	15	0	0	0	0	0	0

\*\* Numbers derived by construction consultant AECOM

**Table 3 - Average daily HGV deliveries (Section 2)**

Activity	Total Working Days	Total HGVs deliveries*	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	20	130				7	7	7	7																						
Establish intermediate construction compounds	5	60			12																										
Excavate pre installed ducts and jointing pits, install cables and reinstate	20	387					20	20	20	20																					
Carry out HDDs	0	0										7	7	7	7																
Removal of the haul road, reseeding etc	20	130																													
Demobilisation of intermediate compounds	5	60												12																	
Demobilisation of primary compounds	0	0																													
<b>Total HGV deliveries per day</b>			0	0	12	7	27	27	27	27	20	7	7	7	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Total two-way HGV movements per day</b>			0	0	24	14	54	54	54	40	14	14	14	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

\*Numbers obtained from Appendix 27.6 Table 2

**Table 4 - Average daily personnel requirements (Section 2)**

Activity	Total Working Days	Total Person Days **	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	20	300				15	15	15	15																						
Establish intermediate construction compounds	5	50			10																										
Excavate pre installed ducts and jointing pits, install cables and reinstate	20	300				15	15	15	15																						
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	20	300								15	15	15	15																		
Demobilisation of intermediate compounds	5	50											10																		
Demobilisation of primary compounds	0	0																													
Administration of site compounds	45	225			5	5	5	5	5	5	5	5	5																		
<b>Total Employees per day</b>			0	0	15	20	35	35	35	35	20	20	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*\* Numbers derived by construction consultant AECOM

**Table 5 - Average daily HGV deliveries (Section 3)**

Activity	Total Working Days	Total HGVs deliveries*	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	20	155							8	8	8	8																			
Establish intermediate construction compounds	5	60					12																								
Excavate pre installed ducts and jointing pits, install cables and reinstate	20	330							17	17	17	17																			
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	20	155											8	8	8	8															
Demobilisation of intermediate compounds	5	60													12																
Demobilisation of primary compounds	0	0																													
<b>Total HGV deliveries per day</b>			0	0	0	0	0	12	8	25	25	25	17	8	8	20	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total two-way HGV movements per day</b>			0	0	0	0	0	24	16	50	50	50	34	16	16	40	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*Numbers obtained from Appendix 27.6 Table 2

**Table 6 - Average daily personnel requirements (Section 3)**

Activity	Total Working Days	Total Person Days **	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	20	300							15	15	15	15																			
Establish intermediate construction compounds	5	50					10																								
Excavate pre installed ducts and jointing pits, install cables and reinstate	20	300							15	15	15	15																			
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	20	300											15	15	15	15															
Demobilisation of intermediate compounds	5	50													10																
Demobilisation of primary compounds	0	0																													
Administration of site compounds	45	225						5	5	5	5	5	5	5	5	5															
<b>Total Employees per day</b>			0	0	0	0	0	15	20	35	35	35	20	20	20	30	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*\* Numbers derived by construction consultant AECOM

**Table 7 - Average daily HGV deliveries (Section 4)**

Activity	Total Working Days	Total HGVs deliveries*	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	20	396									20	20	20	20																	
Establish intermediate construction compounds	0	0																													
Excavate pre installed ducts and jointing pits, install cables and reinstate	20	318										16	16	16	16																
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	20	396														20	20	20	20												
Demobilisation of intermediate compounds	0	0																													
Demobilisation of primary compounds	0	0																													
Total HGV deliveries per day			0	0	0	0	0	0	0	0	0	20	36	36	36	36	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0
Total two-way HGV movements per day			0	0	0	0	0	0	0	0	0	40	72	72	72	72	40	40	40	0	0	0	0	0	0	0	0	0	0	0	0

\*Numbers obtained from Appendix 27.6 Table 2

**Table 8 - Average daily personnel requirements (Section 4)**

Activity	Total Working Days	Total Person Days **	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	20	300									15	15	15	15																	
Establish intermediate construction compounds	0	0																													
Excavate pre installed ducts and jointing pits, install cables and reinstate	20	300										15	15	15	15																
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	20	300														15	15	15	15												
Demobilisation of intermediate compounds	0	0																													
Demobilisation of primary compounds	0	0																													
Administration of site compounds	0	0																													
Total Employees per day			0	0	0	0	0	0	0	0	0	15	30	30	30	30	15	15	15	0	0	0	0	0	0	0	0	0	0	0	0

\*\* Numbers derived by construction consultant AECOM

**Table 9 - Average daily HGV deliveries (Section 5)**

Activity	Total Working Days	Total HGVs deliveries*	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	10	138	14	14																											
Site preparation including fencing and haul road construction.	5	28											6																		
Establish intermediate construction compounds	0	0																													
Excavate pre installed ducts and jointing pits, install cables and reinstate	15	226											16	16	16																
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	5	28														6															
Demobilisation of intermediate compounds	0	0																													
Demobilisation of primary compounds	10	138															14	14													
Total HGV deliveries per day			14	14	0	0	0	0	0	0	0	0	22	16	22	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total two-way HGV movements per day			28	28	0	0	0	0	0	0	0	0	44	32	44	28	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*Numbers obtained from Appendix 27.6 Table 2

**Table 10 - Average daily personnel requirements (Section 5)**

Activity	Total Working Days	Total Person Days **	Week																																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29					
Establish primary construction compounds and site access points	10	100	10	10																																
Site preparation including fencing and haul road construction.	5	75											15																							
Establish intermediate construction compounds	0	0																																		
Excavate pre installed ducts and jointing pits, install cables and reinstate	15	225												15	15	15																				
Carry out HDDs	0	0																																		
Removal of the haul road, reseeding etc	5	75																																		
Demobilisation of intermediate compounds	0	0																																		
Demobilisation of primary compounds	10	100																																		
Administration of site compounds	80	800	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Total Employees per day</b>			20	20	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

\*\* Numbers derived by construction consultant AECOM

**Table 11 - Average daily HGV deliveries (Section 6)**

Activity	Total Working Days	Total HGVs deliveries*	Week																																		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29						
Establish primary construction compounds and site access points	0	0																																			
Site preparation including fencing and haul road construction.	10	128											13	13																							
Establish intermediate construction compounds	0	0																																			
Excavate pre installed ducts and jointing pits, install cables and reinstate	15	270													18	18	18																				
Carry out HDDs	0	0																																			
Removal of the haul road, reseeding etc	10	128																																			
Demobilisation of intermediate compounds	0	0																																			
Demobilisation of primary compounds	0	0																																			
<b>Total HGV deliveries per day</b>			0	0	0	0	0	0	0	0	0	0	13	13	18	18	31	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Total two-way HGV movements per day</b>			0	0	0	0	0	0	0	0	0	0	26	26	36	36	62	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

\*Numbers obtained from Appendix 27.6 Table 2

**Table 12 - Average daily personnel requirements (Section 6)**

Activity	Total Working Days	Total Person Days **	Week																																		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29						
Establish primary construction compounds and site access points x 2	0	0																																			
Site preparation including fencing and haul road construction.	10	150											15	15																							
Establish intermediate construction compounds x 5	0	0																																			
Excavate pre installed ducts and jointing pits, install cables and reinstate	15	225													15	15	15																				
Carry out HDDs	0	0																																			
Removal of the haul road, reseeding etc	10	150																																			
Demobilisation of intermediate compounds x 5	0	0																																			
Demobilisation of primary compounds x 2	0	0																																			
Administration of site compounds	0	0																																			
<b>Total Employees per day</b>			0	0	0	0	0	0	0	0	0	0	15	15	15	15	30	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

\*\* Numbers derived by construction consultant AECOM

**Table 13 - Average daily HGV deliveries (Section 7)**

Activity	Total Working Days	Total HGVs deliveries*	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	10	167															17	17													
Establish intermediate construction compounds	5	60													12																
Excavate pre installed ducts and jointing pits, install cables and reinstate	20	398															20	20	20	20											
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	10	167																			17	17									
Demobilisation of intermediate compounds	5	60																					12								
Demobilisation of primary compounds	0	0																													
Total HGV deliveries per day			0	0	0	0	0	0	0	0	0	0	0	0	0	12	17	37	20	20	37	17	12	0	0	0	0	0	0	0	0
Total two-way HGV movements per day			0	0	0	0	0	0	0	0	0	0	0	0	0	24	34	74	40	40	74	34	24	0	0	0	0	0	0	0	0

\*Numbers obtained from Appendix 27.6 Table 2

**Table 14 - Average daily personnel requirements (Section 7)**

Activity	Total Working Days	Total Person Days **	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points x 2	0	0																													
Site preparation including fencing and haul road construction.	10	176															18	18													
Establish intermediate construction compounds x 5	5	50													10																
Excavate pre installed ducts and jointing pits, install cables and reinstate	20	300															15	15	15	15											
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	10	176																				18	18								
Demobilisation of intermediate compounds x 5	5	50																					10								
Demobilisation of primary compounds x 2	0	0																													
Administration of site compounds	40	200														5	5	5	5	5	5	5	5	5							
Total Employees per day			0	0	0	0	0	0	0	0	0	0	0	0	0	15	23	38	20	20	20	23	33	0	0	0	0	0	0	0	0

\*\* Numbers derived by construction consultant AECOM

**Table 15 - Average daily HGV deliveries (Section 8)**

Activity	Total Working Days	Total HGVs deliveries*	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	35	704												21	21	21	21	21	21	21											
Establish intermediate construction compounds	5	60														12															
Excavate pre installed ducts and jointing pits, install cables and reinstate	30	578																		20	20	20	20	20	20						
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	35	704																						21	21	21	21	21	21	21	21
Demobilisation of intermediate compounds	5	60																													
Demobilisation of primary compounds	0	0																													
Total HGV deliveries per day			0	0	0	0	0	0	0	0	0	0	0	21	21	21	33	21	41	41	20	20	20	41	21	21	21	33	21	21	21
Total two-way HGV movements per day			0	0	0	0	0	0	0	0	0	0	0	42	42	42	66	42	82	82	40	40	40	82	42	42	42	66	42	42	42

\*Numbers obtained from Appendix 27.6 Table 2

**Table 16 - Average daily personnel requirements (Section 8)**

Activity	Total Working Days	Total Person Days **	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	15	225												15	15	15	15	15	15	15											
Establish intermediate construction compounds	5	50															10														
Excavate pre installed ducts and jointing pits, install cables and reinstate	30	450																		15	15	15	15	15	15						
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	15	225																							15	15	15	15	15	15	15
Demobilisation of intermediate compounds	5	50																											10		
Demobilisation of primary compounds	0	0																													
Administration of site compounds	55	275																		5	5	5	5	5	5	5	5	5	5	5	
<b>Total Employees per day</b>			0	0	0	0	0	0	0	0	0	0	0	15	15	15	30	20	35	35	20	20	20	35	20	20	30	15	15	15	

\*\* Numbers derived by construction consultant AECOM

**Table 17 - Average daily HGV deliveries (Section 9)**

Activity	Total Working Days	Total HGVs deliveries*	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	10	138													14	14															
Site preparation including fencing and haul road construction.	15	135																				9	9	9							
Establish intermediate construction compounds	0	0																													
Excavate pre installed ducts and jointing pits, install cables and reinstate	10	117																						12	12						
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	15	135																									9	9	9		
Demobilisation of intermediate compounds	0	0																													
Demobilisation of primary compounds	10	138																												14	14
<b>Total HGV deliveries per day</b>			0	0	0	0	0	0	0	0	0	0	0	14	14	0	0	0	0	0	0	9	9	9	12	12	9	9	9	14	14
<b>Total two-way HGV movements per day</b>			0	0	0	0	0	0	0	0	0	0	0	28	28	0	0	0	0	0	0	18	18	18	24	24	18	18	18	28	28

\*Numbers obtained from Appendix 27.6 Table 2

**Table 18 - Average daily personnel requirements (Section 9)**

Activity	Total Working Days	Total Person Days **	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	10	100													10	10															
Site preparation including fencing and haul road construction.	5	225																					15	15	15						
Establish intermediate construction compounds	0	0																													
Excavate pre installed ducts and jointing pits, install cables and reinstate	5	75																						15							
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	5	225																								15	15	15			
Demobilisation of intermediate compounds	0	0																													
Demobilisation of primary compounds	10	100																												10	10
Administration of site compounds	85	850													10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
<b>Total Employees per day</b>			0	0	0	0	0	0	0	0	0	0	0	0	20	20	10	10	10	10	10	10	25	25	25	25	25	25	25	25	20

\*\* Numbers derived by construction consultant AECOM



**Table 19 - Average daily HGV deliveries (Section 10)**

Activity	Total Working Days	Total HGVs deliveries*	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	15	129																						9	9	9					
Establish intermediate construction compounds	0	0																													
Excavate pre installed ducts and jointing pits, install cables and reinstate	20	332																							17	17	17	17			
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	15	129																											9	9	9
Demobilisation of intermediate compounds	0	0																													
Demobilisation of primary compounds	0	0																													
Total HGV deliveries per day			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	26	17	17	26	9	9
Total two-way HGV movements per day			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18	52	34	34	52	18	18

\*Numbers obtained from Appendix 27.6 Table 2

**Table 20 - Average daily personnel requirements (Section 10)**

Activity	Total Working Days	Total Person Days **	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	10	150																							15	15					
Establish intermediate construction compounds	0	0																													
Excavate pre installed ducts and jointing pits, install cables and reinstate	20	300																							15	15	15	15			
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	10	150																											15	15	
Demobilisation of intermediate compounds	0	0																													
Demobilisation of primary compounds	0	0																													
Administration of site compounds	0	0																													
Total Employees per day			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	30	15	15	30	15	0

\*\* Numbers derived by construction consultant AECOM

**Table 21 - Average daily HGV deliveries (Section 11)**

Activity	Total Working Days	Total HGVs deliveries*	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	25	210																					9	9	9	9	9				
Establish intermediate construction compounds	5	60																							12						
Excavate pre installed ducts and jointing pits, install cables and reinstate	5	109																								22					
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	25	210																									9	9	9	9	9
Demobilisation of intermediate compounds	5	60																								12					
Demobilisation of primary compounds	0	0																													
Total HGV deliveries per day			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	9	9	9	12	43	9	9	9
Total two-way HGV movements per day			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18	18	18	18	24	86	18	18	18

\*Numbers obtained from Appendix 27.6 Table 2

**Table 22 - Average daily personnel requirements (Section 11)**

Activity	Total Working Days	Total Person Days **	Week																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Establish primary construction compounds and site access points	0	0																													
Site preparation including fencing and haul road construction.	25	375																			15	15	15	15	15						
Establish intermediate construction compounds	5	50																						10							
Excavate pre installed ducts and jointing pits, install cables and reinstate	5	75																								15					
Carry out HDDs	0	0																													
Removal of the haul road, reseeding etc	25	375																									15	15	15	15	15
Demobilisation of intermediate compounds	0	0																													
Demobilisation of primary compounds	0	0																													
Administration of site compounds	15	75																											5	5	5
<b>Total Employees per day</b>			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	15	15	15	10	30	15	20	20	20

\*\* Numbers derived by construction consultant AECOM

**Table 23a - Total HGV deliveries per section**

Activity	Week																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Section 1		9	9	9	9	9	9	22	22	13	13	13	13	13	22	9	9	9	9	9
Section 2			12	7	27	27	27	20	7	7	19									
Section 3						12	8	25	25	25	17	8	8	20	8					
Section 4										20	36	36	36	36	20	20	20			
Section 5	14	14										22	16	22	14	14				
Section 6											13	13	18	18	31	13				
Section 7															12	17	37	20	20	37
Section 8													21	21	21	33	21	41	41	20
Section 9													14	14						9
Section 10																				
Section 11																			9	9

**Table 23b - Total HGV deliveries per section**

Activity	Week									Compound	HGVs			two-way HGV movements		
	21	22	23	24	25	26	27	28	29		Peak	Average	Peak Total	Peak	Average	Total
Section 1	9	9								E	22	12	200	44	24	400
Section 2									27		16	54		32		
Section 3									25		16	50		31		
Section 4									36		28	72		56		
Section 5									22		17	44		33		
Section 6									31		18	62		35		
Section 7	17	12							37		22	74		43		
Section 8	20	20	41	21	21	33	21	21	21	B	41	26	124	82	52	248
Section 9	9	9	12	12	9	9	9	14	14		14	11		28	22	
Section 10		9	9	26	17	17	26	9	9		26	15		52	31	
Section 11	9	9	9	12	43	9	9	9	9		43	12		86	25	

**Table 24a - Total resource requirements per section**

Activity	Week																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Section 1		15	15	15	15	15	15	30	30	15	15	15	15	15	30	15	15	15	15	15
Section 2			15	20	35	35	35	20	20	30										
Section 3						15	20	35	35	35	20	20	20	30	15					
Section 4										15	30	30	30	30	15	15	15			
Section 5	20	20	10	10	10	10	10	10	10	10	10	25	25	25	35	35				
Section 6											15	15	15	15	30	15				
Section 7															15	23	38	20	20	20
Section 8														15	15	15	30	20	35	20
Section 9														20	20	10	10	10	10	25
Section 10																				
Section 11																			15	15

**Table 24b - Total resource requirements per section**

Activity	Week									employees			vehicles movements (two-way) ***			
	21	22	23	24	25	26	27	28	29	Peak	Average	Peak Total	Peak	Average	Total	
Section 1	15	15								Compound E	30	17	233	24	14	186
Section 2											35	27		28	22	
Section 3											35	25		28	20	
Section 4											30	23		24	18	
Section 5											35	17		28	14	
Section 6											30	18		24	14	
Section 7	23	33									38	24		30	19	
Section 8	20	20	35	20	20	30	15	15	15	Access AC, AD	35	22	28	18	96	
Section 9	25	25	25	25	25	25	10	20	20	Compound B	25	19	20	15		
Section 10			15	30	15	15	30	15			30	20	24	16		
Section 11	15	15	15	10	30	15	20	20	20	Access AL	30	17	24	14		

\*\*\* Numbers employees divided by 2.5 (employee to vehicle ratio) and multiplied by 2 to get two-way movements

**Table 25a - Substation total HGV deliveries**

Activity	Total Working Days	Total HGVs deliveries ****	Week																															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Site preparation including clearance	30	70	3	3	3	3																												
Main Substation building construction	70	368					6	6	6	6	6	6	6	6	6	6	6	6	6	6	6													
Control room building construction	65	52								1	1	1	1	1	1	1	1	1	1	1	1	1	1											
Spare storage building and MV interface building construction	55	17																						1	1	1	1	1	1	1	1	1	1	1
External blast walls construction and plinths for external plant construction	60	100																									2	2	2	2	2	2	2	2
Concrete hardstanding access road construction	25	143								6	6	6	6	6																				
Car parking construction	10	4																																
Mechanical and Electrical fit out (includes 4 abnormal loads)	50	56																													2	2	2	2
Commissioning	60	0																																
Demobilise Construction Site	30	70																																
<b>Total HGVs per day</b>			3	3	3	3	6	6	12	12	13	13	13	7	7	7	7	7	7	7	7	1	1	1	1	1	1	3	3	5	5	5	5	
<b>Total two-way HGV movements per day</b>			6	6	6	6	12	12	24	24	26	26	26	14	14	14	14	14	14	14	2	2	2	2	2	2	6	6	10	10	10	10		

\*\*\*\* Numbers obtained from Appendix 27.8

**Table 25b - Substation total HGV deliveries**

Activity	Total Working Days	Total HGVs deliveries ****	Week																								
			31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
Site preparation including clearance	30	70																									
Main Substation building construction	70	368																									
Control room building construction	65	52																									
Spare storage building and MV interface building construction	55	17	1	1																							
External blast walls construction and plinths for external plant construction	60	100	2	2	2	2	2	2																			
Concrete hardstanding access road construction	25	143																									
Car parking construction	10	4						1	1																		
Mechanical and Electrical fit out (includes 4 abnormal loads)	50	56	2	2	2	2	2	2																			
Commissioning	60	0								0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demobilise Construction Site	30	70								3	3	3	3														
<b>Total HGVs per day</b>			5	5	4	4	4	5	4	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total two-way HGV movements per day</b>			10	10	8	8	8	10	8	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*\*\*\* Numbers obtained from Appendix 27.8

**Table 26a - Substation total resource requirements**

Activity	Total Working Days	Total Person Days **	Week																														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Site preparation including clearance	30	150	5	5	5	5																											
Main Substation building construction (2No.)	155	32,325					15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
Control room building construction	65	650									10	10	10	10	10	10	10	10	10	10	10	10	10										
Spare storage building and MV interface building construction	55	550																					10	10	10	10	10	10	10	10	10	10	
External blast walls construction and plinths for external plant construction	65	325																									5	5	5	5	5	5	
Concrete hardstanding access road construction	40	200							5	5	5	5	5	5																			
Car parking construction	15	75																															
Mechanical and Electrical fit out	85	850																											10	10	10	10	
Commissioning	60	600																															
Demobilise Construction Site	30	150																															
<b>Total Employees per day</b>			5	5	5	5	15	15	20	20	30	30	30	30	25	25	25	25	25	25	25	25	25	25	25	25	30	30	40	40	40	40	
<b>Vehicle movements per day (two-way) ***</b>			4	4	4	4	12	12	16	16	24	24	24	24	20	20	20	20	20	20	20	20	20	20	20	24	24	32	32	32	32		

\*\* Numbers derived by construction consultant AECOM

\*\*\* Numbers employees divided by 2.5 (employee to vehicle ratio) and multiplied by 2 to get two-way movements

**Table 26b - Substation total resource requirements**

Activity	Total Working Days	Total Person Days **	Week																													
			31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55					
Site preparation including clearance	30	150																														
Main Substation building construction (2No.)	155	32,325	15	15	15	15	15																									
Control room building construction	65	650																														
Spare storage building and MV interface building construction	55	550	10	10																												
External blast walls construction and plinths for external plant construction	65	325	5	5	5	5	5	5	5																							
Concrete hardstanding access road construction	40	200																														
Car parking construction	15	75								5	5	5																				
Mechanical and Electrical fit out	85	850	10	10	10	10	10	10	10	10	10	10	10	10																		
Commissioning	60	600													10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Demobilise Construction Site	30	150													5	5	5	5														
<b>Total Employees per day</b>			40	40	30	30	30	15	15	15	15	15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
<b>Vehicle movements per day (two-way) ***</b>			32	32	24	24	24	12	12	12	12	12	8	8	8	12	12	12	12	8	8	8	8	8	8	8	8	8	8	8	0	0

\*\* Numbers derived by construction consultant AECOM

\*\*\* Numbers employees divided by 2.5 (employee to vehicle ratio) and multiplied by 2 to get two-way movements

**Appendix 27.10 ends here**