



AI Appendix 13B

Traffic Numbers with Borrow Pits





Monthly movements of site construction traffic - BORROW PITS																									
Month:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Set-up Main Construction Compound	90																								90
Delivery of plant and equipment		30	30																						60
Culvert and Bridge Materials			40	40	40	40	40	40	40	30	30	20	20	20	20										420
Geogrid		8	8	8	8	10	10	10	10	10	10	10	10												112
Northern Section (16T)																									
Turbine Foundation Concrete					266	266	266	266	266																1,330
Cabling					6	6	6	6																	24
Sand for cable trench			52		50	50	50	50																	252
Fibre Optic Cabling					4	4	2																		10
External Transformers														4	4	2									10
Reinforcing Steel + Shuttering					20	22	22																		64
Base Rings					8	8																			16
Concrete for WTG Transformer foundations (ext)						16	14																		30
Turbine Delivery														106	106	108									320
Southern Section (13T)																									
Substation Foundation			36	38																					74
Control Building Equipment																30		30							60
Delivery of Electrical Equipment																	20		20				20		60
Turbine Foundations					270	270	270	270																	1,080
Cabling					6	6	6	2																	20
Sand for cable trench									48	48	48	48	48												240
Fibre Optic Cabling									2	2	2	2													8
External Transformers																	4	4	2						10
Reinforcing Steel + Shuttering					22	22	20																		64
Base Rings					6	6																			12
Concrete for WTG Transformer foundations (ext)																	14	14							28
Turbine Delivery																	86	86	88						260
Central Section (6T)																									
Turbine Foundations														250	250										500
Cabling													2	2	2	2	2								10
Sand for cable trench													48	48	48	48	48								240
Fibre Optic Cabling													2	2											4
External Transformers																			2	2					4
Reinforcing Steel + Shuttering														15	15										30
Base Rings														4	4										8
Concrete for WTG Transformer foundations (ext)																		14	14						28
Turbine Delivery																				60	60				120
Crane Delivery														22											22
Crane Removal																								22	22
Removal of Plant and equipment																					30	30		90	150
Total Trips (Excluding concrete) per month	90	38	78	100	170	174	156	108	100	90	90	80	130	223	199	190	160	120	112	62	80	30	30	112	2,722
Movements for Concrete only per month	-	-	36	38	536	552	550	536	266	-	-	-	-	250	250	-	14	28	14	-	-	-	-	-	3,070
Total Trips (Including concrete) per month	90	38	114	138	706	726	706	644	366	90	90	80	130	473	449	190	174	148	126	62	80	30	30	112	5,792
Movements/day (average assuming 22 working days/month)	5	2	6	7	33	33	33	30	17	5	5	4	6	22	21	9	8	7	6	3	4	2	2	6	6
Movements/hr (average 8hr day)	1	1	1	1	5	5	5	4	3	1	1	1	1	3	3	2	1	1	1	1	1	1	1	1	1
Movements/hr (average 12hr day)	1	1	1	1	3	3	3	3	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1
Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	



AI Appendix 13B

Traffic Numbers without Borrow Pits





Monthly movements of site construction traffic - ALL OFF-SITE AGGREGATE																										
Month:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	
Set-up Main Construction Compound	90																								90	
Delivery of plant and equipment		30	30																							60
Culvert and Bridge Materials			40	40	40	40	40	40	40	30	30	20	20	20	20											420
Geogrid		8	8	8	8	10	10	10	10	10	10	10	10													112
Northern Section (16T)																										
Site Compound Set Up	648	648																								1,296
Site Tracks			1324	1324	1324	1324	1324	1326	1326	1326	1326															11,924
Turbine Crane Hard standings stone		754	754	754	754																					3,016
Turbine Foundation Concrete					266	266	266	266	266																	1,330
Cabling					6	6	6	6																		24
Sand for cable trench				52	50	50	50	50																		252
Fibre Optic Cabling					4	4	2																			10
External Transformers														4	4	2										10
Reinforcing Steel + Shuttering					20	22	22																			64
Base Rings					8	8																				16
Concrete for WTG Transformer foundations (ext)						16	14																			30
WTG Backfill					504	504	504	504																		2,016
Turbine Delivery														106	106	108										320
Southern Section (13T)																										
Site Tracks			958	958	958	958	958	958	958	958	958															9,580
Substation Foundation			36	38																						74
Substation Stone			800	800																						1,600
Control Building Equipment																30		30								60
Delivery of Electrical Equipment																	20		20				20			60
Turbine Crane Hard standings stone		616	616	616	616																					2,464
Turbine Foundations					270	270	270	270																		1,080
Cabling					6	6	6	2																		20
Sand for cable trench									48	48	48	48	48													240
Fibre Optic Cabling									2	2	2	2														8
External Transformers																	4	4	2							10
Reinforcing Steel + Shuttering					22	22	20																			64
Base Rings					6	6																				12
Concrete for WTG Transformer foundations (ext)																	14	14								28
WTG Backfill									410	410	410	408														1,638
Turbine Delivery																	86	86	88							260
Central Section (6T)																										
Site Tracks										734	734	734	734	734	734											4,404
Turbine Crane Hard standings stone													568	568												1,136
Turbine Foundations													250	250												500
Cabling													2	2	2	2	2									10
Sand for cable trench													48	48	48	48	48									240
Fibre Optic Cabling													2	2												4
External Transformers																				2	2					4
Reinforcing Steel + Shuttering														15	15											30
Base Rings														4	4											8
Concrete for WTG Transformer foundations (ext)																		14	14							28
WTG Backfill																	378	378								756
Turbine Delivery																					60	60				120
Crane Delivery														22												22
Crane Removal																									22	22
Removal of Plant and equipment																						30	30	90		150
Total Trips (Excluding concrete) per month	738	2,056	4,530	4,552	4,326	2,960	2,942	2,896	2,794	2,784	2,784	2,180	864	1,525	1,501	924	1,272	498	112	62	80	30	30	112	42,552	
Movements for Concrete only per month	-	-	36	38	536	552	550	536	266	-	-	-	-	250	250	-	14	28	14	-	-	-	-	-	3,070	
Total Trips (Including concrete) per month	738	2,056	4,566	4,590	4,862	3,512	3,492	3,432	3,060	2,784	2,784	2,180	864	1,775	1,751	924	1,286	526	126	62	80	30	30	112	45,622	
Movements/day (average assuming 22 working days/month)	34	94	208	209	221	160	159	156	140	127	127	100	40	81	80	42	59	24	6	3	4	2	2	2	6	
Movements/hr (average 8hr day)	5	12	26	27	28	20	20	20	18	16	16	13	5	11	10	6	8	3	1	1	1	1	1	1	1	
Movements/hr (average 12hr day)	3	8	18	18	19	14	14	13	12	11	11	9	4	7	7	4	5	2	1	1	1	1	1	1	1	
Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		

