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Technical Appendix 2.2 Traffic Calculations

Task	Month																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18						
Access Track/ Laydown areas -Construction								175	175															
Access Track/ Laydown areas -Removal																	100	100						
Tower Foundation Concrete										35	35													
Timber Extraction																								
Tower Assembly/Wiring deliveries(incl scaffolding)													12											
Tower erection													4											
Total Loads (One-way)	-	-	-	-	-	-	-	175	175	35	35	-	16	-	-	-	100	100	-	-	-	-	-	-
Total Movements (Two-way Trips)	-	-	-	-	-	-	-	350	350	70	70	-	32	-	-	-	200	200	-	-	-	-	-	-

Construction Task	Vehicle Type	Approximate No. of Loads
Access Track/ Laydown areas construction and Upgrade of Existing Tracks	20T Tipper lorry	350
Access Track/ Laydown area removal	20T Tipper lorry	200
Concrete for all Tower foundations	Concrete wagon(6m3 carry capacity)	70
Tower assembly/ wiring deliveries(incl scaffolding	HGV Trailer	12
Timber Extraction	Articulated HGV	4
Tower erection	90 T Crane	4
Total Loads (One-way Trips)		640
Total Movements (Two-way Trips)		1,280

Scenario	1. A85 (T)	2. A819 (between A85 an B740)	3. A819 (between B740 and Substation Access Point)	4. B840	A83 (T)
Future Baseline AADT	3,092	1,381	714	313	3,186
Future Baseline HGV Levels	616	258	111	26	284
Proposed Development Total Traffic Generation (HGVs + Staff)					
Proposed Development HGV Trip Generation					
Proposed Development Impact on Total Traffic Levels (%)					
Proposed Development Impact on HGV Traffic Levels (%)					

Task	Month						Total
	1	2	3	4	5	6	
Timber Lorry	-	-	-	-	-	4	4
Low Loader	-	-	-	-	-	1	1
Fuel Lorry	-	-	-	-	-	1	1
Total Loads (One-way)	-	-	-	-	-	6	6
Total Movements (Two-way Trips)	-	-	-	-	-	12	12

Appendix C