



**Royal
HaskoningDHV**
Enhancing Society Together

Section 12 Appendix 12.8
Activity HGV Summary

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Harbour Facilities - HGV Schedule

Phase 1

Activity	Monthly (two-way) HGV movements																	Total
	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	
MARINE SIDE PHASE 1																		
Mobilisation			20	20														40
Installation of Piles from Floating Plant						127	127	127										381
Construction of the Concrete Deck - Precast concrete						200	200	200	200	200								1000
Construction of the Concrete Deck - Reinforcement						16	16	16	16	16								80
Construction of the Concrete Deck - Insitu concrete							167	167	167	167	167	167						1002
Installation of Fixtures and Fittings										13	13	13						39
Installations of Mechanical & Electrical Services													13	13	13	13		52
Installation of Handling Plant on the Quay													13	13	13	13	13	65
SHORE SIDE PHASE 1																		
Raise and Improve Ground					80													80
Install Piles						40												40
Construct Surge Bin / Foundations							80	80										160
Installation of Materials Handling Equipment													4	4	4	4	4	20
Fit Out									10									10
Order and deliver Materials Handling Equipment (Abnormal Load)										2	2	2						6
CONVEYOR BELT SYSTEM																		
Piled Foundations	114	114	114	114	114													570
Pile Caps		116	116	116	116	116	116											696
Transfer Tower Foundations			70	70														140
Conveyor structural steel					290	290	290	290	290	290	290							2030
Monthly (two-way) HGV movements	114	230	320	320	600	789	996	880	683	688	472	182	30	30	30	30	17	6411

Phase 2

Activity	Monthly (two-way) HGV movements															Total
	1*	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
MARINE SIDE PHASE 2																
Mobilisation	20	20														40
Installation of Piles from Floating Plant				105	105	105										315
Construction of the Concrete Deck - Precast concrete				200	200	200	200									800
Construction of the Concrete Deck - Reinforcement				16	16	16	16									64
Construction of the Concrete Deck - Insitu concrete						200	200	200	200							800
Installation of Fixtures and Fittings							9	9	9							27
Installations of Mechanical & Electrical Services										9	9	9				27
Installation of Handling Plant on the Quay										9	9	9				27
SHORE SIDE PHASE 2																
Raise and Improve Ground			80													80
Install Piles				40												40
Construct Surge Bin / Foundations					80	80										160
Installation of Materials Handling Equipment										4	4	4	4	4		20
Fit Out							10									10
Order and deliver Materials Handling Equipment (Abnormal Load)								2	2	2						6
Monthly (two-way) HGV movements	20	20	80	361	401	601	435	211	211	20	22	22	4	4	4	2416

*Relative to start of phase 2 Harbour construction in year 2022

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