











Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete	2016															
						July 17	24	31	07	14	21	28	04	11	18	25	02	09	16	23	
<b>ELS - Zone D</b>																					
HAT1611-711	HAT MT (Zone D) - pipe roofing installation 20/53nos.	14d	11-Jul-16 A	27-Jul-16	50%	HAT MT (Zone D) - pipe roofing installation 20/53nos.															
HAT1611-721	HAT MT (Zone D) - pipe roofing installation 40/53nos.	14d	27-Jul-16	11-Aug-16	0%	HAT MT (Zone D) - pipe roofing installation 40/53nos.															
HAT1611-691	HAT MT (Zone D) - Excavation (8,996/8,966m3)	14d	12-Aug-16	27-Aug-16	0%	HAT MT (Zone D) - Excavation (8,996/8,966m3)															
HAT1611-731	HAT MT (Zone D) - pipe roofing installation 53/53nos.	10d	12-Aug-16	25-Aug-16	0%	HAT MT (Zone D) - pipe roofing installation 53/53nos.															
<b>Mined Tunnel for HAT underneath AEL &amp; at East Coast Road [198m-Drill &amp; Break](Ch 0+557 to Ch 0+756)</b>																					
<b>HAT Mined Tunnel Works</b>																					
<b>Drive from Shaft 4: HAT Tunnel Excavation - Heading(1st half &amp; 2nd half)</b>																					
HAT2015-82	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 126m/166m	15d	20-Jun-16 A	28-Jul-16	40%	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 126m/166m															
HAT2015-92	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 130m/166m	15d	29-Jul-16	12-Aug-16	0%	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 130m/166m															
HAT2015-102	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 134m/166m	15d	13-Aug-16	27-Aug-16	0%	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 134m/166m															
HAT2015-112	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 138m/166m	15d	27-Aug-16	10-Sep-16	0%	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 138m/166m															
HAT2015-122	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 142m/166m	15d	10-Sep-16	24-Sep-16	0%	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 142m/166m															
HAT2015-132	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 146m/166m	15d	25-Sep-16	09-Oct-16	0%	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 146m/166m															
HAT2015-502	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 150m/166m	15d	10-Oct-16	24-Oct-16	0%	HAT MT heading - Excavation (drill & break), next 3m (@4d/m cycle), Cum. Total L = 150m/166m															
<b>Drive from Shaft 4: HAT Tunnel Excavation - Bench(1st half &amp; 2nd half)</b>																					
HAT3400	HAT MT bench - Excavation (drill&break), next 6m, Total L = 72m - RHS	11d	30-Jun-16 A	14-Jul-16 A	100%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 72m - RHS															
HAT3410	HAT MT bench - Excavation (drill&break), next 6m, Total L = 78m - RHS	11d	14-Jul-16 A	16-Jul-16 A	100%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 78m - RHS															
HAT3430	HAT MT bench - Excavation (drill&break), next 6m, Total L = 84m - RHS	11d	16-Jul-16 A	22-Jul-16	70%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 84m - RHS															
HAT3440	HAT MT bench - Excavation (drill&break), next 6m, Total L = 90m - RHS	11d	23-Jul-16	02-Aug-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 90m - RHS															
HAT3450	HAT MT bench - Excavation (drill&break), next 6m, Total L = 96m - RHS	11d	03-Aug-16	13-Aug-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 96m - RHS															
HAT3460	HAT MT bench - Excavation (drill&break), next 6m, Total L = 102m - RHS	11d	08-Oct-16	18-Oct-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 102m - RHS															
HAT3470	HAT MT bench - Excavation (drill&break), next 6m, Total L = 108m - RHS	11d	19-Oct-16	29-Oct-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 108m - RHS															
<b>2nd Half Bench</b>																					
HAT3760	HAT MT bench - Excavation (drill&break), next 6m, Total L = 120m - 1st half	11d	20-Jul-16	30-Jul-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 120m - 1st half															
HAT3770	HAT MT bench - Excavation (drill&break), next 6m, Total L = 126m - 1st half	11d	31-Jul-16	10-Aug-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 126m - 1st half															
HAT3780	HAT MT bench - Excavation (drill&break), next 6m, Total L = 132m - 1st half	10d	11-Aug-16	20-Aug-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 132m - 1st half															
HAT3890	HAT MT bench - Excavation (drill&break), next 6m, Total L = 78m - LHS half	11d	14-Aug-16	24-Aug-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 78m - LHS half															
HAT3790	HAT MT bench - Excavation (drill&break), next 6m, Total L = 138m - 1st half	10d	21-Aug-16	30-Aug-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 138m - 1st half															
HAT3700	HAT MT bench - Excavation (drill&break), next 6m, Total L = 84m - LHS half	11d	25-Aug-16	04-Sep-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 84m - LHS half															
HAT3800	HAT MT bench - Excavation (drill&break), next 6m, Total L = 144m - 1st half	10d	31-Aug-16	09-Sep-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 144m - 1st half															
HAT3710	HAT MT bench - Excavation (drill&break), next 6m, Total L = 90m - LHS half	11d	05-Sep-16	15-Sep-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 90m - LHS half															
HAT3810	HAT MT bench - Excavation (drill&break), next 6m, Total L = 150m - 1st half	10d	10-Sep-16	19-Sep-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 150m - 1st half															
HAT3720	HAT MT bench - Excavation (drill&break), next 6m, Total L = 96m - LHS half	11d	16-Sep-16	26-Sep-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 96m - LHS half															
HAT3820	HAT MT bench - Excavation (drill&break), next 6m, Total L = 156m - 1st half	10d	20-Sep-16	29-Sep-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 156m - 1st half															
HAT3730	HAT MT bench - Excavation (drill&break), next 6m, Total L = 102m - LHS half	11d	27-Sep-16	07-Oct-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 102m - LHS half															
HAT3830	HAT MT bench - Excavation (drill&break), next 6m, Total L = 163m - 1st half	10d	30-Sep-16	09-Oct-16	0%	HAT MT bench - Excavation (drill&break), next 6m, Total L = 163m - 1st half															
HAT2170	HAT MT @ AEL bench [2nd half] - Excavation last 7m [37m/37m]	30d	11-Oct-16	14-Nov-16	0%	HAT MT @ AEL bench [2nd half] - Excavation last 7m [37m/37m]															
<b>Drive from Zone D: HAT Tunnel Excavation - Heading(1st half &amp; 2nd half)</b>																					
HAT2015-422	HAT MT heading - Excavation (drill & break), 1st 5m (@4d/m cycle), Cum. Total L = 5m/32m	20d	24-Aug-16	12-Sep-16	0%	HAT MT heading - Excavation (drill & break), 1st 5m (@4d/m cycle), Cum. Total L = 5m/32m															
HAT2015-432	HAT MT heading - Excavation (drill & break), next 5m (@4d/m cycle), Cum. Total L = 10m/32m	20d	13-Sep-16	02-Oct-16	0%	HAT MT heading - Excavation (drill & break), next 5m (@4d/m cycle), Cum. Total L = 10m/32m															
HAT2015-442	HAT MT heading - Excavation (drill & break), next 5m (@4d/m cycle), Cum. Total L = 15m/32m	20d	03-Oct-16	22-Oct-16	0%	HAT MT heading - Excavation (drill & break), next 5m (@4d/m cycle), Cum. Total L = 15m/32m															
<b>Box Culvert Extension to Outfall PR9 &amp; PR14</b>																					
<b>Box Culvert Ext. to New Outfall PR9 (75m Approx.)</b>																					
<b>PR09 Extension</b>																					
<b>Sheetpile</b>																					
BC1200-187	Box Culvert PR9 extg - Sheetpile (4,500m2/5,950m2)	14d	02-Jun-16 A	21-Jul-16	55%	Box Culvert PR9 extg - Sheetpile (4,500m2/5,950m2)															
BC1200-197	Box Culvert PR9 extg - Sheetpile (5,950m2/5,950m2)	14d	21-Jul-16	05-Aug-16	0%	Box Culvert PR9 extg - Sheetpile (5,950m2/5,950m2)															
<b>ELS</b>																					
BC1200-227	Box Culvert PR9 extg - ELS (1,800m2/9,000m2)	12d	06-Aug-16	19-Aug-16	0%	Box Culvert PR9 extg - ELS (1,800m2/9,000m2)															
BC1200-237	Box Culvert PR9 extg - ELS (3,600m2/9,000m2)	12d	20-Aug-16	02-Sep-16	0%	Box Culvert PR9 extg - ELS (3,600m2/9,000m2)															
BC1200-247	Box Culvert PR9 extg - ELS (5,400m2/9,000m2)	12d	03-Sep-16	17-Sep-16	0%	Box Culvert PR9 extg - ELS (5,400m2/9,000m2)															
BC1200-257	Box Culvert PR9 extg - ELS (7,200m2/9,000m2)	12d	19-Sep-16	03-Oct-16	0%	Box Culvert PR9 extg - ELS (7,200m2/9,000m2)															
BC1200-267	Box Culvert PR9 extg - ELS (9,000m2/9,000m2)	12d	04-Oct-16	18-Oct-16	0%	Box Culvert PR9 extg - ELS (9,000m2/9,000m2)															
<b>RC</b>																					
BC1200-277	Box Culvert PR9 extg - RC Bay 1	12d	27-Sep-16	12-Oct-16	0%	Box Culvert PR9 extg - RC Bay 1															
<b>Box Culvert Ext. to New Outfall PR14 (North Area, Bay N1 to N-13)</b>																					
BC1160-6	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 5/13 bays	14d	20-Jun-16 A	15-Jul-16 A	100%	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 5/13 bays															
BC1160-7	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 5/13 bays	15d	20-Jun-16 A	26-Jul-16	0%	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 5/13 bays															
BC1160-13	PR14 North Area - Base Slab (Excavation), 11/13 bays	12d	04-Jul-16 A	02-Aug-16	0%	PR14 North Area - Base Slab (Excavation), 11/13 bays															
BC1160-10	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 8/13 bays	15d	16-Jul-16 A	05-Aug-16	20%	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 8/13 bays															
BC1160-246	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 13/13 bays	15d	20-Jul-16	05-Aug-16	0%	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 13/13 bays															
BC1160-26	PR14 North Area - Base Slab (Excavation), 13/13 bays	12d	03-Aug-16	16-Aug-16	0%	PR14 North Area - Base Slab (Excavation), 13/13 bays															
BC1160-11	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 8/13 bays	15d	06-Aug-16	23-Aug-16	0%	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 8/13 bays															
BC1160-14	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 11/13 bays	12d	24-Aug-16	06-Sep-16	0%	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 11/13 bays															
BC1160-15	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 11/13 bays	15d	07-Sep-16	24-Sep-16	0%	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 11/13 bays															
BC1160-36	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 13/13 bays	12d	26-Sep-16	11-Oct-16	0%	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 13/13 bays															
BC1160-46	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 13/13 bays	15d	12-Oct-16	28-Oct-16	0%	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 13/13 bays															
<b>Box Culvert Ext. to New Outfall PR14 (North Area, Bay C1 to C7)</b>																					
BC1300	PR14 North Area - Commence PR14 Extension @ Bay C1 to C7	0d	17-Aug-16		0%	PR14 North Area - Commence PR14 Extension @ Bay C1 to C7															
BC1160-226	PR14 Bay C1 to C7 - Sheetpile - Sheetpile C2- C7	14d	17-Aug-16	05-Sep-16	0%	PR14 Bay C1 to C7 - Sheetpile - Sheetpile C2- C7															
BC1160-156	PR14 North Area - Base Slab (Excavation), 3/13 bays	15d	18-Aug-16	03-Sep-16	0%	PR14 North Area - Base Slab (Excavation), 3/13 bays															
BC1160-166	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 3/13 bays	15d	05-Sep-16	22-Sep-16	0%	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 3/13 bays															
BC1160-186	PR14 North Area - Base Slab (Excavation), 5/13 bays	15d	05-Sep-16	22-Sep-16	0%	PR14 North Area - Base Slab (Excavation), 5/13 bays															
BC1160-176	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 3/13 bays	15d	23-Sep-16	12-Oct-16	0%	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 3/13 bays															
BC1160-196	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 5/13 bays	14d	23-Sep-16	11-Oct-16	0%	PR14 North Area - Base Slab (blinding, formwork, rebars, concrete), 5/13 bays															
BC1160-66	PR14 North Area - Base Slab (Excavation), 8/13 bays	15d	26-Sep-16	14-Oct-16	0%	PR14 North Area - Base Slab (Excavation), 8/13 bays															
BC1160-206	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 5/13 bays	15d	12-Oct-16	28-Oct-16	0%	PR14 North Area - Wall & roof slab (formwork, rebars, shuttering wall, concrete), 5/13 bays															
BC1160-96	PR14 North Area - Base Slab (Excavation), 11/13 bays	12d	15-Oct-16	28-Oct-16	0%	PR14 North Area - Base Slab (Excavation), 11/13 bays															
<b>WORKS IN NORTH AREA - CH 15+500 TO CH 16+223 (HKLR AT GRADE &amp; ROADWORKS)</b>																					
<b>Reclamation SWCH 1+400 to SWCH 1+830 (incl. Approach Lights Area, 430m Approx.)</b>																					
<b>Reclamation SWCH 1+400 to SWCH 1+590 (incl. PR09 Temp. Diversion Area)</b>																					
<b>Reclamation SWCH 1+400 to 1+500 (PR09 Temp. Diversion)</b>																					
RSC1108-35	North Area (rem. portion) - filling to formation level +5.5mPD, SWCH1+400 to 1+500 (Area10-PR09 temp diversion)	12d	20-Jul-16	02-Aug-16	0%	North Area (rem. portion) - filling to formation level +5.5mPD, SWCH1+400 to 1+500 (Area10-PR09 temp diversion)															
RSC1108-45	North Area (rem. portion) - Permanent seawall (Area10 - PR09 temp diversion)	20d	03-Aug-16	25-Aug-16	0%	North Area (rem. portion) - Permanent seawall (Area10 - PR09 temp diversion)															
<b>Seawall Construction (Except Portion C &amp; D) CH 1+400 to CH 1+850</b>																					
<b>SWCH 1+700 to SWCH 1+750</b>																					
RSC1143	North Area (except Portion C&D) - Seawall, Rock armour (1st layer)	12d	01-Jun-17 A	22-Jul-16	85%	North Area (except Portion C&D) - Seawall, Rock armour (1st layer)															
<b>Reclamation SWCH 1+500 to 1+590 (Except PR09 Temp. Diversion Area)</b>																					
RSC1070-95	North Area (except Portion C&D) - Remove surcharge + compaction (sub-zone 10-1, except PR9 Temp. diversion)	15d	05-Aug-16	22-Aug-16	0%	North Area (except Portion C&D) - Remove surcharge + compaction (sub-zone 10-1, except PR9 Temp. diversion)															
RSC1070-105	North Area (except Portion C&D) - Remove toe loading (sub-zone 10-1, except PR9 Temp. diversion)	15d	23-Aug-16	08-Sep-16	0%	North Area (except Portion C&D) - Remove toe loading (sub-zone 10-1, except PR9 Temp. diversion)															
<b>Reclamation SWCH 1+590 to 1+830 (including Approach Lights Area)</b>																					
<b>Reclamation SWCH 1+590 to 1+750 (Approach Lights Area - Area 2)</b>																					
RSC1070-300	North Area (except Portion C&D) - Removal of Surcharge (Approach lights area), 1st half	15d	02-Jul-16 A	08-Aug-16	0%	North Area (except Portion C&D) - Removal of Surcharge (Approach lights area), 1st half															
RSC1070-310	North Area (except Portion C&D) - Removal of Surcharge (Approach lights area), 2nd half	15d	09-Aug-16	23-Aug-16	0%	North Area (except Portion C&D) - Removal of Surcharge (Approach lights area), 2nd half															
RSC1070-380	North Area (except Portion C&D) - Permanent Seawall, (Area 11 Approach lights area) - 1st half	13d	24-Aug-16	07-Sep-16	0%	North Area (except Portion C&D) - Permanent Seawall, (Area 11 Approach lights area) - 1st half															
RSC1070-29	North Area (except Portion C&D) - Permanent Seawall, (Area 11 Approach lights area) - 2nd half	14d	08-Sep-16	24-Sep-16	0%	North Area (except Portion C&D) - Permanent Seawall, (Area 11 Approach lights area) - 2nd half															
RSC1070-39	North Area (except Portion C&D) - Removal of toe loading, (Area 11 Approach lights area) - 1st half	15d	26-Sep-16	14-Oct-16	0%	North Area (except Portion C&D) - Removal of toe loading, (Area 11 Approach lights area) - 1st half															
RSC1070-390	North Area (except Portion C&D) - Removal of toe loading, (Area 11 Approach lights area) - 2nd half	15d	15-Oct-16	01-Nov-16	0%	North Area (except Portion C&D) - Removal of toe loading, (Area 11 Approach lights area) - 2nd half															
<b>Reclamation SWCH 1+750 to 1+830 (North Remaining Area)</b>																					
RSC1070-250	North Area (except Portion C&D) - Surcharge removal (sub-zone 11-2-adjacent to approach lights area)	15d	22-Jun-16 A	15-Jul-16 A	100%	North Area (except Portion C&D) - Surcharge removal (sub-zone 11-2-adjacent to approach lights area)															
<b>"Zone D" - Portion C &amp; D1 From SWCH1+830 to SWCH 2+070</b>																					
<b>Seawall Construction (Portion C and D1) CH 1+850 to CH 2+020 - 170m</b>																					
<b>Seawall 2nd Layer/Final Layer</b>																					







