

| Activity ID   | Activity Name   | Orig Dur | Planned Start | Planned Finish | Current Start | Current Finish | 2014 |     |     |     |     |     |     |     |     | 2015 |     |     |     |     |     |     |     |     |
|---|---|----------|---------------|----------------|---------------|----------------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
|   |   |          |               |                |               |                | Dec  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Dec  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
| <b>TMCLK - Northern Connection Sub-Sea Tunnel Section</b>               |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>General Submissions</b>  |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>General Design Submissions</b>                                       |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>(A19) DDA for Roadworks &amp; Project Alignment</b>                  |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD68350   | ICE Approval & Issue Check Cert   | 12       | 18-Sep-14     | 03-Oct-14      | 03-Sep-14A    | 04-Feb-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD68360   | Submit ICE Check Cert to SO   | 6        | 04-Oct-14     | 10-Oct-14      | 05-Feb-15A    | 10-Feb-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD68370   | SO's Review   | 35       | 18-Sep-14     | 22-Oct-14      | 22-Dec-14A    | 22-Jun-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>(G6) IFA for Tunnel GBP</b>  |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD70750   | SO's Review   | 35       | 29-Apr-14     | 02-Jun-14      | 09-Aug-14A    | 31-Mar-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD70760   | SO Approval with Condition Received   | 0        |               | 03-Jun-14      |               | 31-Mar-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Construction Supervision Plan</b>                                    |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| GEO1115   | 2nd GEO Review  | 28       | 29-Mar-14     | 25-Apr-14      | 01-Feb-14A    | 01-Apr-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>PAYMENT MILESTONE</b>  |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Design and Design Checking of the Works</b>                          |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1115  | MS 2.9 Submit AIP for ground treatment at Southern Landfall   | 0        |               | 29-Oct-14      |               | 30-Mar-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1120  | MS 2.10 Approve AIP for ground treatment at Southern Landfall by the Supervising Officer                                | 0        |               | 22-Jan-15      |               | 06-May-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1125  | MS 2.11 Submit DDA for ground treatment at Southern Landfall  | 0        |               | 26-May-15      |               | 27-Jun-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1135  | MS 2.13 Submit Risk Assessment of CLPP submarine cables - Tunnelling Works  | 0        |               | 12-Jan-15      |               | 30-Mar-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM116520  | MS 2.19.3 Submit DDA for Cross Passages   | 0        |               | 20-Dec-14      |               | 01-Jun-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM117010  | MS 2.20.2 Approve DDA for TBM Sub-sea Tunnel - Internal Structure by the Supervising Officer                            | 0        |               | 22-Dec-14      |               | 05-May-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1180  | MS 2.22 Approve AIP for Cut-and-cover Tunnel and Cross Passages at Southern Landfall by the Supervising Officer         | 0        |               | 17-Nov-14      |               | 01-Apr-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1185  | MS 2.23 Submit DDA for Cut-and-cover Tunnel and Cross Passages at Southern Landfall                                     | 0        |               | 13-Jan-15      |               | 01-Jun-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1210  | MS 2.28 Approve DDA for Cut-and-cover Tunnel and Cross Passages at Northern Landfall by the Supervising Officer         | 0        |               | 12-Feb-15      |               | 27-Apr-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1220  | MS 2.30 Approve AIP for Approach Ramp Structures to Cut-and-cover Tunnels by the Supervising Officer                    | 0        |               | 17-Nov-14      |               | 01-Apr-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1225  | MS 2.31 Submit DDA for Approach Ramp Structures to Cut-and-cover Tunnels  | 0        |               | 13-Jan-15      |               | 01-Jun-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1265  | MS 2.39 Submit DDA for At grade Roads at Northern Landfall  | 0        |               | 25-Jul-14      |               | 06-Mar-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1305  | MS 2.47 Submit DDA for North Ventilation Building   | 0        |               | 31-Oct-14      |               | 15-May-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1325  | MS 2.51 Submit DDA for Facilities Provision for TCSS  | 0        |               | 19-Nov-14      |               | 10-Jun-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1345  | MS 2.55 Submit DDA for Drainage, Sewerage, Waterworks and Utilities at Southern Landfall                                | 0        |               | 03-Jan-15      |               | 30-Mar-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1350  | MS 2.56 Approve DDA for Drainage, Sewerage, Waterworks and Utilities at Southern Landfall by the Supervising Officer    | 0        |               | 08-Apr-15      |               | 25-Jun-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1370  | MS 2.60 Approve DDA for Drainage, Sewerage, Waterworks and Utilities at Northern Landfall by the Supervising Officer    | 0        |               | 12-Dec-14      |               | 18-Apr-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1405  | MS 2.67 Submit DDA for TBM North Approach - Tunnel Internal Structure   | 0        |               | 21-Jun-14      |               | 30-Mar-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1410  | MS 2.68 Approve DDA for TBM North Approach - Tunnel Internal Structure by the Supervising Officer                       | 0        |               | 17-Sep-14      |               | 02-May-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Tunnel Boring Machine (TBM) and Back-up Equipment for TBM Tunnel</b> |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1450  | MS 3.1.3 Delivery to Site of cutter head of TBM for Southbound Tunnel   | 0        |               | 18-Feb-15      |               | 06-Mar-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1455  | MS 3.1.4 Delivery to Site of remaining parts of TBM and back-up equipment for Southbound Tunnel                         | 0        |               | 30-Mar-15      |               | 06-Mar-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1480  | MS 3.1.8 Delivery to Site of cutter head of TBM for Northbound Tunnel   | 0        |               | 02-Sep-15      |               | 08-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1510  | MS 3.1.14 Delivery to Site of hyperbaric intervention equipments and facilities, including but not limited to equipment | 0        |               | 04-May-15      |               | 02-Jun-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1530  | MS 3.1.18 Delivery to Site of hyperbaric intervention equipments and facilities, including but not limited to equipment | 0        |               | 04-May-15      |               | 02-Jun-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM1555  | MS 3.1.23 Complete site assembly, testing and commissioning of Slurry Treatment Plant                                   | 0        |               | 05-Mar-15      |               | 27-Apr-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Cut-and-cover Tunnel at Northern Landfall</b>                        |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM2445  | MS 4.2.3 Delivery to Site of cutter head of TBM for Northbound Northern Landfall TBM Tunnel                             | 0        |               | 12-Dec-14      |               | 08-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM2450  | MS 4.2.4 Delivery to Site of remaining parts of TBM and back-up equipment for Northbound Northern Landfall TBM Tunnel   | 0        |               | 19-Jan-15      |               | 08-Apr-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM2455  | MS 4.2.5 Complete site assembly, testing and commissioning of TBM for Northbound Northern Landfall TBM Tunnel           | 0        |               | 05-Mar-15      |               | 18-May-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM2465  | MS 4.2.7 Complete walls of launching shaft  | 0        |               | 02-Sep-14      |               | 06-Mar-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM2470  | MS 4.2.8 Complete excavation to formation level for launching shaft and complete casting of base slab                   | 0        |               | 29-Jan-15      |               | 08-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM2475  | MS 4.2.9 Complete all necessary works of launching shaft to facilitate launching of TBM                                 | 0        |               | 05-Feb-15      |               | 06-Mar-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM2490  | MS 4.2.12 Complete 75% of ground treatment for excavation of all Northern Landfall TBM Tunnels                          | 0        |               | 10-Sep-14      |               | 08-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM2495  | MS 4.2.13 Complete 100% of ground treatment for excavation of all Northern Landfall TBM Tunnels                         | 0        |               | 30-Apr-15      |               | 07-May-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Temporary Pontoon</b>  |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| PM3090  | MS 6A.2 Provide the operation and maintenance services for the Temporary Pontoon in accordance with the Contract.       | 1433     | 03-Dec-13     | 25-Oct-18      | 08-Feb-14A    | 24-Oct-18      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Construction</b>   |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Northern Landfall</b>  |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>North Reclamation (Phase 1)</b>                                      |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Design Submission</b>  |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>(B4) DDA Construction Risk Assessment - Impact on North Landfall</b> |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD68410   | SO's Comments for 1st Submission  | 35       | 01-Jun-14     | 05-Jul-14      | 27-Sep-14A    | 02-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD68420   | Prepare Re-submission   | 10       | 07-Jul-14     | 17-Jul-14      | 02-Jan-15A    | 02-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD68430   | 2nd Submission  | 0        |               | 17-Jul-14      |               | 02-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD68490   | SO's Condition Approval   | 35       | 18-Jul-14     | 21-Aug-14      | 02-Jan-15A    | 02-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>(B4) DDA Construction Risk Assessment - Impact on Sub-sea Tunnel</b> |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD71405   | SO's Comments for 1st Submission  | 35       | 21-Sep-14     | 25-Oct-14      | 27-Sep-14A    | 02-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD71415   | Prepare Re-submission   | 10       | 27-Oct-14     | 06-Nov-14      | 02-Jan-15A    | 02-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD71420   | 2nd Submission  | 0        |               | 06-Nov-14      |               | 02-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| DD71435   | SO's Condition Approval   | 35       | 07-Nov-14     | 11-Dec-14      | 02-Jan-15A    | 02-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Construction</b>   |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Milestones</b>   |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| NRC13240  | Completion of Zone A1 Reclamation up to +10mPD  | 0        |               | 21-Oct-14      |               | 30-Mar-15      |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| NRC13250  | Completion of Zone A2 Reclamation up to +10mPD  | 0        |               | 10-Nov-14      |               | 30-Dec-14A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Zone D1</b>  |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Vertical Seawall</b>   |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| NRC11720  | VS - Mass Concrete Coping - Zone D1 - (CH205 to 255)  | 15       | 18-Jun-14     | 05-Jul-14      | 22-Dec-14A    | 23-Jan-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| NRC11790  | VS - Mass Concrete Coping - Zone D1 - (CH255 to 305)  | 8        | 07-Jul-14     | 15-Jul-14      | 14-Jan-15A    | 11-Feb-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| NRC11860  | VS - Mass Concrete Coping - Zone D1 - (CH305 to 355)  | 8        | 16-Jul-14     | 24-Jul-14      | 05-Mar-15A    | 10-Mar-15A     |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |
| <b>Sloping Seawall</b>  |   |          |               |                |               |                |      |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |

■ Planned Bar  
■ Planned Bar - Critical  
◆ Planned Milestone  
■ Progress bar  
◆ Progress Milestone

**TMCLK - Northern Connection Sub-Sea Tunnel Section**  
**Detailed Works Programme (Rev. C) - Three months rolling programme**  
**Progress as of 30-Mar-15**



| Date      | Revision                    | Checked | Approved |
|-----------|-----------------------------|---------|----------|
| 21-Feb-14 | TMCLKDUBJEN.PRG.08505       | SPa     | WYu      |
| 28-Aug-14 | TMCLKDUBJEN.PRG.08505 Rev.C | CLa     | WYu      |



| Activity ID   | Activity Name   | Orig Dur | Planned Start | Planned Finish | Current Start | Current Finish | 2015 |     |     |     |     |     |     |     |
|---|---|----------|---------------|----------------|---------------|----------------|------|-----|-----|-----|-----|-----|-----|-----|
|   |   |          |               |                |               |                | Dec  | Jan | Feb | Mar | Apr | May | Jun | Jul |
| A6416400  | F - Backfilling to +6.0mPD to Existing Seawall - CH184 to CH231                 | 1        | 21-Mar-14     | 21-Mar-14      | 10-Apr-15     | 10-Apr-15      |      |     |     |     |     |     |     |     |
| <b>CH231 to CH278</b>                                       |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| A6416273  | F - Backfilling up to +0.5mPD & T3 Installation - CH231 to CH278                | 6        | 28-Mar-14     | 02-Apr-14      | 10-Nov-14A    | 12-Mar-15A     |      |     |     |     |     |     |     |     |
| A6416278  | F - Backfilling up to +3.0mPD - CH231 to CH278                                  | 2        | 03-Apr-14     | 04-Apr-14      | 12-Apr-15     | 13-Apr-15      |      |     |     |     |     |     |     |     |
| A6416280  | F - Backfilling up to +6.0mPD - CH231 to CH278                                  | 2        | 05-Apr-14     | 06-Apr-14      | 14-Apr-15     | 15-Apr-15      |      |     |     |     |     |     |     |     |
| A6416310  | F - Anchor wall Installation - CH231 to CH278                                   | 4        | 07-Apr-14     | 10-Apr-14      | 16-Apr-15     | 20-Apr-15      |      |     |     |     |     |     |     |     |
| A6416480  | F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH231 to CH278  | 3        | 11-Apr-14     | 13-Apr-14      | 21-Apr-15     | 23-Apr-15      |      |     |     |     |     |     |     |     |
| A6416490  | F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH231 to CH278 | 2        | 14-Apr-14     | 15-Apr-14      | 24-Apr-15     | 25-Apr-15      |      |     |     |     |     |     |     |     |
| A6416500  | F - Backfilling up to +6.0mPD to Anchor Wall - CH231 to CH278                   | 2        | 16-Apr-14     | 17-Apr-14      | 26-Apr-15     | 27-Apr-15      |      |     |     |     |     |     |     |     |
| A6416510  | F - Backfilling to +6.0mPD to Existing Seawall - CH231 to CH278                 | 1        | 18-Apr-14     | 18-Apr-14      | 28-Apr-15     | 28-Apr-15      |      |     |     |     |     |     |     |     |
| <b>CH278 to CH327</b>                                       |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| A6416210  | F - Backfilling up to +0.5mPD - CH278 to CH327                                  | 4        | 23-Mar-14     | 26-Mar-14      | 02-Apr-15     | 05-Apr-15      |      |     |     |     |     |     |     |     |
| A6416215  | F - Backfilling up to +3.0mPD & T4 Installation - CH278 to CH327                | 5        | 27-Mar-14     | 31-Mar-14      | 07-Apr-15     | 11-Apr-15      |      |     |     |     |     |     |     |     |
| A6416220  | F - Backfilling up to +6.0mPD - CH278 to CH327                                  | 2        | 01-Apr-14     | 02-Apr-14      | 12-Apr-15     | 13-Apr-15      |      |     |     |     |     |     |     |     |
| A6416340  | F - Anchor wall Installation - CH278 to CH327                                   | 4        | 11-Apr-14     | 15-Apr-14      | 21-Apr-15     | 24-Apr-15      |      |     |     |     |     |     |     |     |
| A6416520  | F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH278 to CH327  | 3        | 16-Apr-14     | 18-Apr-14      | 25-Apr-15     | 27-Apr-15      |      |     |     |     |     |     |     |     |
| A6416530  | F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH278 to CH327 | 3        | 19-Apr-14     | 21-Apr-14      | 28-Apr-15     | 30-Apr-15      |      |     |     |     |     |     |     |     |
| A6416540  | F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327                   | 3        | 22-Apr-14     | 24-Apr-14      | 01-May-15     | 03-May-15      |      |     |     |     |     |     |     |     |
| A6416550  | F - Backfilling to +6.0mPD to Existing Seawall - CH278 to CH327                 | 1        | 25-Apr-14     | 25-Apr-14      | 04-May-15     | 04-May-15      |      |     |     |     |     |     |     |     |
| <b>CH327 to CH381</b>                                       |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| A6416155  | F - Backfilling up to +0.5mPD - CH327 to CH381                                  | 3        | 16-Mar-14     | 18-Mar-14      | 30-Mar-15     | 01-Apr-15      |      |     |     |     |     |     |     |     |
| A6416160  | F - Backfilling up to +3.0mPD & T4 Installation - CH327 to CH381                | 5        | 19-Mar-14     | 23-Mar-14      | 02-Apr-15     | 06-Apr-15      |      |     |     |     |     |     |     |     |
| A6416170  | F - Backfilling up to +6.0mPD - CH327 to CH381                                  | 3        | 24-Mar-14     | 26-Mar-14      | 07-Apr-15     | 09-Apr-15      |      |     |     |     |     |     |     |     |
| A6416370  | F - Anchor wall Installation - CH327 to CH381                                   | 3        | 16-Apr-14     | 22-Apr-14      | 25-Apr-15     | 28-Apr-15      |      |     |     |     |     |     |     |     |
| A6416560  | F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH327 to CH381  | 3        | 23-Apr-14     | 25-Apr-14      | 29-Apr-15     | 01-May-15      |      |     |     |     |     |     |     |     |
| A6416570  | F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH327 to CH381 | 3        | 26-Apr-14     | 28-Apr-14      | 02-May-15     | 04-May-15      |      |     |     |     |     |     |     |     |
| A6416580  | F - Backfilling up to +6.0mPD to Anchor Wall - CH327 to CH381                   | 2        | 29-Apr-14     | 30-Apr-14      | 05-May-15     | 06-May-15      |      |     |     |     |     |     |     |     |
| A6416590  | F - Backfilling to +6.0mPD to Existing Seawall - CH327 to CH381                 | 1        | 01-May-14     | 01-May-14      | 07-May-15     | 07-May-15      |      |     |     |     |     |     |     |     |
| <b>Box Culvert Extension</b>                                |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| <b>Construction</b>   |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| <b>CH000 to CH137</b>                                       |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| A6416670  | Bored Pile Construction - A43 to A62 (4 Rigs) & Land Sheet Piling - Summary     | 96       | 31-May-14     | 23-Sep-14      | 21-Jul-14A    | 06-Mar-15A     |      |     |     |     |     |     |     |     |
| A6416675  | Land Sheet Pile Installation  | 77       | 24-Jun-14     | 23-Sep-14      | 10-Nov-14A    | 06-Mar-15A     |      |     |     |     |     |     |     |     |
| A6416680  | Backfilling for Surcharge   | 18       | 24-Sep-14     | 16-Oct-14      | 30-Mar-15     | 23-Apr-15      |      |     |     |     |     |     |     |     |
| A6416690  | Surcharge Period  | 180      | 17-Oct-14     | 14-Apr-15      | 24-Apr-15     | 20-Oct-15      |      |     |     |     |     |     |     |     |
| <b>CH137 to CH184</b>                                       |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| A6416770  | Backfilling for Surcharge   | 12       | 20-Sep-14     | 06-Oct-14      | 30-Mar-15     | 16-Apr-15      |      |     |     |     |     |     |     |     |
| A6416780  | Surcharge Period  | 180      | 07-Oct-14     | 04-Apr-15      | 17-Apr-15     | 13-Oct-15      |      |     |     |     |     |     |     |     |
| <b>CH184 to CH231</b>                                       |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| A6416620  | Predrilling - CH184 to CH231  | 24       | 22-Mar-14     | 23-Apr-14      | 08-Nov-14A    | 29-Apr-15      |      |     |     |     |     |     |     |     |
| A6416730  | Bored Pile Construction - A34 to A27 - Summary                                  | 156      | 22-Mar-14     | 30-Sep-14      | 30-Oct-14A    | 29-Aug-15      |      |     |     |     |     |     |     |     |
| A6416950  | Bored Pile Construction - A34 to A27 - 4 out of 8 piles                         | 39       | 14-May-14     | 28-Jun-14      | 30-Oct-14A    | 15-May-15      |      |     |     |     |     |     |     |     |
| A6416960  | Bored Pile Construction - A34 to A27 - 6 out of 8 piles                         | 39       | 30-Jun-14     | 14-Aug-14      | 16-May-15     | 03-Jul-15      |      |     |     |     |     |     |     |     |
| <b>CH231 to CH278</b>                                       |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| A6416630  | Predrilling - CH231 to CH278  | 24       | 22-Apr-14     | 21-May-14      | 29-Apr-15     | 28-May-15      |      |     |     |     |     |     |     |     |
| A6416740  | Bored Pile Construction - A26 to A19 - Summary                                  | 143      | 22-Apr-14     | 13-Oct-14      | 29-Apr-15     | 19-Oct-15      |      |     |     |     |     |     |     |     |
| A6417470  | Bored Pile Construction - A26 to A19 - 2 out of 8 piles                         | 36       | 22-Apr-14     | 05-Jun-14      | 29-Apr-15     | 11-Jun-15      |      |     |     |     |     |     |     |     |
| A6417500  | Bored Pile Construction - A26 to A19 - 4 out of 8 piles                         | 36       | 06-Jun-14     | 18-Jul-14      | 12-Jun-15     | 25-Jul-15      |      |     |     |     |     |     |     |     |
| <b>CH278 to CH327</b>                                       |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| A6416640  | Predrilling - CH278 to CH327  | 24       | 26-Apr-14     | 26-May-14      | 05-May-15     | 02-Jun-15      |      |     |     |     |     |     |     |     |
| A6416750  | Bored Pile Construction - A18 to A11 - Summary                                  | 117      | 27-May-14     | 15-Oct-14      | 03-Jun-15     | 22-Oct-15      |      |     |     |     |     |     |     |     |
| A6417530  | Bored Pile Construction - A18 to A11 - 2 out of 8 piles                         | 30       | 27-May-14     | 02-Jul-14      | 03-Jun-15     | 09-Jul-15      |      |     |     |     |     |     |     |     |
| <b>CH327 to CH381</b>                                       |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| A6416650  | Predrilling - CH327 to CH381  | 24       | 02-May-14     | 30-May-14      | 08-May-15     | 05-Jun-15      |      |     |     |     |     |     |     |     |
| A6416760  | Bored Pile Construction - A10 to A03  | 86       | 31-May-14     | 11-Sep-14      | 06-Jun-15     | 16-Sep-15      |      |     |     |     |     |     |     |     |
| A6417570  | Bored Pile Construction - A10 to A03 - 2 out of 8 piles                         | 22       | 31-May-14     | 26-Jun-14      | 06-Jun-15     | 03-Jul-15      |      |     |     |     |     |     |     |     |
| <b>CH381 to CH399 (Box Culvert Connection)</b>              |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| A6416660  | F - Prebored H-piles for CKS Temporary Land Access                              | 6        | 18-Feb-14     | 24-Feb-14      | 16-Mar-15A    | 20-Mar-15A     |      |     |     |     |     |     |     |     |
| A6417000  | F - Steel Bridge Installation for Land Access to Zone E                         | 52       | 25-Feb-14     | 30-Apr-14      | 16-Mar-15A    | 22-Mar-15A     |      |     |     |     |     |     |     |     |
| A6417010  | F - Available of Land Access to Zone E  | 0        | 02-May-14     |                | 22-Mar-15A    |                |      |     |     |     |     |     |     |     |
| <b>North Shafts Construction &amp; Tunnel Structure</b>     |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| <b>Design Submission</b>                                    |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| <b>(C1) DDA for North Approach Ramp Permanent Structure</b> |   |          |               |                |               |                |      |     |     |     |     |     |     |     |
| DD70770   | Preparation DDA North Approach Ramp Permanent Structure                         | 18       | 28-Jun-14     | 19-Jul-14      | 02-Jan-15A    | 13-Jan-15A     |      |     |     |     |     |     |     |     |
| DD70780   | Review & Comment by JV  | 12       | 21-Jul-14     | 02-Aug-14      | 13-Jan-15A    | 02-Apr-15      |      |     |     |     |     |     |     |     |
| DD70785   | Designer prepare DDA  | 6        | 04-Aug-14     | 09-Aug-14      | 08-Apr-15     | 14-Apr-15      |      |     |     |     |     |     |     |     |
| DD70790   | Formal Submission of DDA to ICE/ IPs  | 0        |               | 09-Aug-14      |               | 14-Apr-15      |      |     |     |     |     |     |     |     |
| DD70792   | Advanced Submission to SO   | 0        |               | 09-Aug-14      |               | 14-Apr-15      |      |     |     |     |     |     |     |     |
| DD70794   | IPs/SO's Advance comments / ICE comments  | 28       | 10-Aug-14     | 06-Sep-14      | 15-Apr-15     | 12-May-15      |      |     |     |     |     |     |     |     |
| DD70800   | IPs/ SO's Advance Comments/ ICE Comments  | 28       | 07-Sep-14     | 04-Oct-14      | 13-May-15     | 09-Jun-15      |      |     |     |     |     |     |     |     |
| DD70805   | Comments Received   | 0        |               | 04-Oct-14      |               | 09-Jun-15      |      |     |     |     |     |     |     |     |
| DD70810   | Designer to Reply RIC + Update Submission                                       | 15       | 06-Oct-14     | 22-Oct-14      | 10-Jun-15     | 27-Jun-15      |      |     |     |     |     |     |     |     |
| DD70820   | Submit Updated DDA to SO/ ICE/ IPs  | 0        | 23-Oct-14     |                | 29-Jun-15     |                |      |     |     |     |     |     |     |     |
| DD70830   | ICE Approval & Issue Check Cert   | 18       | 23-Oct-14     | 12-Nov-14      | 29-Jun-15     | 20-Jul-15      |      |     |     |     |     |     |     |     |
| DD70850   | IPs Review  | 28       | 23-Oct-14     | 19-Nov-14      | 29-Jun-15     | 26-Jul-15      |      |     |     |     |     |     |     |     |

■ Planned Bar  
■ Planned Bar - Critical  
◆ Planned Milestone  
■ Progress bar  
◆ Progress Milestone

**TMCLK - Northern Connection Sub-Sea Tunnel Section**  
**Detailed Works Programme (Rev. C) - Three months rolling programme**  
Progress as of 30-Mar-15



| Date      | Revision                    | Checked | Approved |
|-----------|-----------------------------|---------|----------|
| 21-Feb-14 | TMCLKDBJGEN.PRG.08505       | SPa     | WYu      |
| 28-Aug-14 | TMCLKDBJGEN.PRG.08505 Rev.C | CLa     | WYu      |

| Activity ID   | Activity Name   | Orig Dur | Planned Start | Planned Finish | Current Start | Current Finish | 2014  |     |     |     |     |     |     |     |     |      |      |      |
|---|---|----------|---------------|----------------|---------------|----------------|---|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
|   |   |          |               |                |               |                | Dec   | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | 2015 | 2015 | 2015 |
| DD70870   | SO's Review   | 35       | 23-Oct-14     | 26-Nov-14      | 29-Jun-15     | 02-Aug-15      | SO's Review   |     |     |     |     |     |     |     |     |      |      |      |
| <b>Construction</b>   |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| <b>North Launching Shaft Base Slab for TBM Launching</b>                            |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| NSH1455   | E - Tympanum construction for TBM break-in                        | 12       | 20-Nov-14     | 03-Dec-14      | 29-Jan-15A    | 02-Apr-15      | E - Tympanum construction for TBM break-in                        |     |     |     |     |     |     |     |     |      |      |      |
| NSH1460   | E - Cell 1 to 2 - Base Slab construction                          | 22       | 13-Nov-14     | 08-Dec-14      | 01-Dec-14A    | 22-Jan-15A     | E - Cell 1 to 2 - Base Slab construction                          |     |     |     |     |     |     |     |     |      |      |      |
| <b>North Ventilation Shaft ELS Foundation &amp; Capping Beam</b>                    |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| A6415780  | B - Diaphragm Wall - Shaft ELS                                    | 81       | 26-Aug-14     | 01-Dec-14      | 24-Nov-14A    | 28-Mar-15A     | B - Diaphragm Wall - Shaft ELS                                    |     |     |     |     |     |     |     |     |      |      |      |
| A6415790  | B - Instrumentation & Pump well Installation                      | 6        | 02-Dec-14     | 08-Dec-14      | 06-Mar-15A    | 02-Apr-15      | B - Instrumentation & Pump well Installation                      |     |     |     |     |     |     |     |     |      |      |      |
| A6415795  | B - Pumping Test for Excavation                                   | 7        | 09-Dec-14     | 15-Dec-14      | 03-Apr-15     | 09-Apr-15      | B - Pumping Test for Excavation                                   |     |     |     |     |     |     |     |     |      |      |      |
| <b>North Ventilation Shaft Excavation &amp; Base Slab</b>                           |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| A6415800  | B - Vent Shaft Excavation (+6.0 to +4.0mPD) - Reclaimed Fill      | 5        | 02-Dec-14     | 06-Dec-14      | 30-Mar-15     | 08-Apr-15      | B - Vent Shaft Excavation (+6.0 to +4.0mPD) - Reclaimed Fill      |     |     |     |     |     |     |     |     |      |      |      |
| A6415810  | B - Capping Beam Installation (+6.0mPD)                           | 12       | 08-Dec-14     | 20-Dec-14      | 09-Apr-15     | 22-Apr-15      | B - Capping Beam Installation (+6.0mPD)                           |     |     |     |     |     |     |     |     |      |      |      |
| A6415820  | B - Vent Shaft Excavation (+4.0 to -8.0mPD) - Reclaimed Fill      | 19       | 22-Dec-14     | 15-Jan-15      | 23-Apr-15     | 15-May-15      | B - Vent Shaft Excavation (+4.0 to -8.0mPD) - Reclaimed Fill      |     |     |     |     |     |     |     |     |      |      |      |
| A6415830  | B - Ring Beam Installation (-5.5mPD)                              | 6        | 16-Jan-15     | 22-Jan-15      | 16-May-15     | 22-May-15      | B - Ring Beam Installation (-5.5mPD)                              |     |     |     |     |     |     |     |     |      |      |      |
| A6415840  | B - Vent Shaft Excavation (-8.0 to -20.0mPD) - Fill/MD/ALLUVIUM   | 27       | 23-Jan-15     | 02-Mar-15      | 23-May-15     | 25-Jun-15      | B - Vent Shaft Excavation (-8.0 to -20.0mPD) - Fill/MD/ALLUVIUM   |     |     |     |     |     |     |     |     |      |      |      |
| A6415850  | B - Ring Beam Installation (-18.0mPD)                             | 6        | 03-Mar-15     | 09-Mar-15      | 26-Jun-15     | 03-Jul-15      | B - Ring Beam Installation (-18.0mPD)                             |     |     |     |     |     |     |     |     |      |      |      |
| <b>CLP Temporary Substation</b>   |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| <b>Construction</b>   |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| DDP12800  | 1st Batch - CLP Installation & Commissioning                      | 108      | 02-Jul-14     | 07-Nov-14      | 02-Jul-14A    | 10-Jan-15A     | 1st Batch - CLP Installation & Commissioning                      |     |     |     |     |     |     |     |     |      |      |      |
| DDP12860  | 1st Batch - Commissioning & Energization                          | 0        |               | 28-Nov-14      |               | 10-Jan-15A     | 1st Batch - Commissioning & Energization                          |     |     |     |     |     |     |     |     |      |      |      |
| DDP12870  | 2nd Batch - CLP Installation & Commissioning                      | 95       | 15-Oct-14     | 05-Feb-15      | 02-Jul-14A    | 10-Jan-15A     | 2nd Batch - CLP Installation & Commissioning                      |     |     |     |     |     |     |     |     |      |      |      |
| DDP12900  | Final FS Installation by JV                                       | 6        | 06-Feb-15     | 12-Feb-15      | 10-Jan-15A    | 10-Jan-15A     | Final FS Installation by JV                                       |     |     |     |     |     |     |     |     |      |      |      |
| DDP12910  | FSD inspection for 2nd Transformer Energization                   | 6        | 13-Feb-15     | 18-Feb-15      | 10-Jan-15A    | 10-Jan-15A     | FSD inspection for 2nd Transformer Energization                   |     |     |     |     |     |     |     |     |      |      |      |
| DDP12920  | 2nd Batch - Commissioning & Energization                          | 0        |               | 18-Feb-15      |               | 10-Jan-15A     | 2nd Batch - Commissioning & Energization                          |     |     |     |     |     |     |     |     |      |      |      |
| <b>North Surface works for TBM Tunnelling</b>                                       |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| <b>Design Submission</b>  |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| <b>(D1) IFA for Temp. Access to Portion N8A, N8B &amp; N8C incl. Temp. Lighting</b> |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| AP01500   | Preparation of AIP Temporary Access Road to N8                    | 33       | 02-Jan-14     | 15-Feb-14      | 02-Jan-14A    | 13-Mar-15A     | Preparation of AIP Temporary Access Road to N8                    |     |     |     |     |     |     |     |     |      |      |      |
| AP01505   | Review & Comment by JV  | 12       | 17-Feb-14     | 01-Mar-14      | 13-Mar-15A    | 18-Mar-15A     | Review & Comment by JV  |     |     |     |     |     |     |     |     |      |      |      |
| AP01510   | Designer Prepare IFA  | 6        | 03-Mar-14     | 08-Mar-14      | 18-Mar-15A    | 20-Mar-15A     | Designer Prepare IFA  |     |     |     |     |     |     |     |     |      |      |      |
| AP01515   | Formal Submission of IFA to ICE/IPs                               | 0        |               | 08-Mar-14      |               | 20-Mar-15A     | Formal Submission of IFA to ICE/IPs                               |     |     |     |     |     |     |     |     |      |      |      |
| AP01520   | Advanced Submission of IFA to SO                                  | 0        |               | 08-Mar-14      |               | 20-Mar-15A     | Advanced Submission of IFA to SO                                  |     |     |     |     |     |     |     |     |      |      |      |
| AP01525   | Review & Comment by SO/ ICE/ IPs                                  | 28       | 09-Mar-14     | 05-Apr-14      | 20-Mar-14A    | 20-Apr-15      | Review & Comment by SO/ ICE/ IPs                                  |     |     |     |     |     |     |     |     |      |      |      |
| AP01530   | Advance Comments from SO/ Comments from ICE/ IPs Received         | 0        |               | 07-Apr-14      |               | 20-Apr-15      | Advance Comments from SO/ Comments from ICE/ IPs Received         |     |     |     |     |     |     |     |     |      |      |      |
| AP01535   | Designer to Prepare Rtc & Updated AIP                             | 18       | 07-Apr-14     | 30-Apr-14      | 21-Apr-15     | 12-May-15      | Designer to Prepare Rtc & Updated AIP                             |     |     |     |     |     |     |     |     |      |      |      |
| AP01540   | Submission of AIP to SO/ ICE together with Reply To Comment (RTC) | 0        |               | 30-Apr-14      |               | 12-May-15      | Submission of AIP to SO/ ICE together with Reply To Comment (RTC) |     |     |     |     |     |     |     |     |      |      |      |
| AP01545   | Reply to IPs Comments in RTC                                      | 0        |               | 30-Apr-14      |               | 12-May-15      | Reply to IPs Comments in RTC                                      |     |     |     |     |     |     |     |     |      |      |      |
| AP01550   | ICE Approval & Issue of Design Check Cert.                        | 18       | 02-May-14     | 23-May-14      | 13-May-15     | 03-Jun-15      | ICE Approval & Issue of Design Check Cert.                        |     |     |     |     |     |     |     |     |      |      |      |
| AP01555   | Check Cert to SO  | 0        |               | 23-May-14      |               | 03-Jun-15      | Check Cert to SO  |     |     |     |     |     |     |     |     |      |      |      |
| AP01560   | No Objection or Further Minor Comments from IPs Received          | 0        |               | 23-May-14      |               | 03-Jun-15      | No Objection or Further Minor Comments from IPs Received          |     |     |     |     |     |     |     |     |      |      |      |
| AP01565   | SO Review (35 Days)   | 35       | 02-May-14     | 05-Jun-14      | 13-May-15     | 16-Jun-15      | SO Review (35 Days)   |     |     |     |     |     |     |     |     |      |      |      |
| AP01570   | SO Approval with Condition Received                               | 0        |               | 05-Jun-14      |               | 16-Jun-15      | SO Approval with Condition Received                               |     |     |     |     |     |     |     |     |      |      |      |
| <b>Construction</b>   |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| <b>Zone E</b>   |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| A6416450  | Zone E - Jet grouting for Break-in Plug                           | 60       | 04-Nov-14     | 15-Jan-15      | 03-Sep-14A    | 09-Mar-15A     | Zone E - Jet grouting for Break-in Plug                           |     |     |     |     |     |     |     |     |      |      |      |
| <b>Zone D1</b>  |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| NRC14020  | Zone D1 - B/C Slurry Substitution for CP54                        | 20       | 14-Jul-14     | 05-Aug-14      | 02-Sep-14A    | 07-Feb-15A     | Zone D1 - B/C Slurry Substitution for CP54                        |     |     |     |     |     |     |     |     |      |      |      |
| <b>Zone D2</b>  |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| NRC14110  | Zone D2 - B/C Slurry Substitution for CP53                        | 22       | 06-Aug-14     | 30-Aug-14      | 15-Jan-15A    | 13-Feb-15A     | Zone D2 - B/C Slurry Substitution for CP53                        |     |     |     |     |     |     |     |     |      |      |      |
| <b>Zone C1</b>  |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| NRC1202130  | Zone C1 - B/C Slurry Substitution for CP52                        | 26       | 27-Aug-14     | 26-Sep-14      | 02-Mar-15A    | 02-Mar-15A     | Zone C1 - B/C Slurry Substitution for CP52                        |     |     |     |     |     |     |     |     |      |      |      |
| <b>Zone C2</b>  |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| NRC1202150  | Zone C2 - Drilling for Rock Fissure Grouting for CP51             | 21       | 03-Jul-14     | 26-Jul-14      | 06-Nov-14A    | 10-Jan-15A     | Zone C2 - Drilling for Rock Fissure Grouting for CP51             |     |     |     |     |     |     |     |     |      |      |      |
| NRC1202155  | Zone C2 - Rock Fissure Grouting for CP51                          | 44       | 14-Jul-14     | 02-Sep-14      | 19-Nov-14A    | 10-Jan-15A     | Zone C2 - Rock Fissure Grouting for CP51                          |     |     |     |     |     |     |     |     |      |      |      |
| NRC1202160  | Zone C2 - Jet Grouting for CP51                                   | 18       | 20-Aug-14     | 10-Sep-14      | 10-Jan-15A    | 10-Jan-15A     | Zone C2 - Jet Grouting for CP51                                   |     |     |     |     |     |     |     |     |      |      |      |
| <b>Zone B</b>   |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| A6415895  | Zone B - Unreinforced Separation D-wall                           | 13       | 27-Aug-14     | 11-Sep-14      | 11-Feb-15A    | 31-Mar-15      | Zone B - Unreinforced Separation D-wall                           |     |     |     |     |     |     |     |     |      |      |      |
| A6415897  | Zone B - Unreinforced Separation D-wall                           | 13       | 25-Jul-14     | 08-Aug-14      | 19-Nov-14A    | 10-Feb-15A     | Zone B - Unreinforced Separation D-wall                           |     |     |     |     |     |     |     |     |      |      |      |
| A6415900  | Zone B - Slurry Wall for TBM Break-out Plug                       | 34       | 02-Dec-14     | 13-Jan-15      | 23-Mar-15A    | 23-Mar-15A     | Zone B - Slurry Wall for TBM Break-out Plug                       |     |     |     |     |     |     |     |     |      |      |      |
| A6415910  | Zone B - Slurry Wall - Toe Grouting                               | 24       | 14-Jan-15     | 10-Feb-15      | 23-Mar-15A    | 23-Mar-15A     | Zone B - Slurry Wall - Toe Grouting                               |     |     |     |     |     |     |     |     |      |      |      |
| A6415920  | Zone B - Ground Treatment for TBM Break-out Plug                  | 58       | 11-Feb-15     | 30-Apr-15      | 18-Mar-15A    | 07-May-15      | Zone B - Ground Treatment for TBM Break-out Plug                  |     |     |     |     |     |     |     |     |      |      |      |
| <b>Ground Treatment</b>   |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| A6417430  | Zone A - B/C Slurry Substitution for CP49                         | 30       | 22-Oct-14     | 25-Nov-14      | 30-Mar-15     | 08-May-15      | Zone A - B/C Slurry Substitution for CP49                         |     |     |     |     |     |     |     |     |      |      |      |
| A6417440  | Zone A - Drilling for Rock Fissure Grouting for CP48              | 65       | 11-Nov-14     | 28-Jan-15      | 30-Mar-15     | 19-Jun-15      | Zone A - Drilling for Rock Fissure Grouting for CP48              |     |     |     |     |     |     |     |     |      |      |      |
| A6417450  | Zone A - Rock Fissure Grouting for CP48                           | 90       | 25-Nov-14     | 19-Mar-15      | 17-Apr-15     | 04-Aug-15      | Zone A - Rock Fissure Grouting for CP48                           |     |     |     |     |     |     |     |     |      |      |      |
| A6417460  | Zone A - Jet Grouting for CP48                                    | 72       | 29-Jan-15     | 05-May-15      | 22-Jun-15     | 14-Sep-15      | Zone A - Jet Grouting for CP48                                    |     |     |     |     |     |     |     |     |      |      |      |
| <b>North Approach TBM Tunnelling &amp; Cross Passage</b>                            |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| <b>Major Procurement</b>  |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| <b>Precast Segment</b>  |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| <b>Precast Segment ID15.60 - Production for NB North TBM Tunnel</b>                 |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| A6417970  | ID15.60 TBM Segment Ring Fabrication - 2 rings per day            | 148      | 30-Sep-14     | 25-Apr-15      | 25-Sep-14A    | 18-Jun-15      | ID15.60 TBM Segment Ring Fabrication - 2 rings per day            |     |     |     |     |     |     |     |     |      |      |      |
| <b>Design Submission</b>  |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| <b>(D7) IFA Gantry Crane Supports/Foundation</b>                                    |   |          |               |                |               |                |   |     |     |     |     |     |     |     |     |      |      |      |
| DD69070   | Designer to Reply Rtc + Update Submission                         | 21       | 07-May-14     | 30-May-14      | 04-Dec-14A    | 08-Jan-15A     | Designer to Reply Rtc + Update Submission                         |     |     |     |     |     |     |     |     |      |      |      |
| DD69080   | Submit Updated IFA to SO/ ICE/ IPs                                | 0        |               | 31-May-14      |               | 08-Jan-15A     | Submit Updated IFA to SO/ ICE/ IPs                                |     |     |     |     |     |     |     |     |      |      |      |
| DD69090   | ICE Approval & Issue Check Cert                                   | 12       | 31-May-14     | 14-Jun-14      | 11-Nov-14A    | 19-Jan-15A     | ICE Approval & Issue Check Cert                                   |     |     |     |     |     |     |     |     |      |      |      |

- Planned Bar
- Planned Bar - Critical
- ◆ Planned Milestone
- Progress bar
- ◆ Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section  
Detailed Works Programme (Rev. C) - Three months rolling programme  
Progress as of 30-Mar-15



| Date      | Revision                    | Checked | Approved |
|-----------|-----------------------------|---------|----------|
| 21-Feb-14 | TMCLKDBJGEN.PRG.08505       | SPa     | WYu      |
| 28-Aug-14 | TMCLKDBJGEN.PRG.08505 Rev.C | CLa     | WYu      |







| Activity ID   | Activity Name   | Orig Dur | Planned Start | Planned Finish | Current Start | Current Finish | 2014 |     | 2015 |     |     |     |     |     |     |  |  |  |  |  |  |
|---|---|----------|---------------|----------------|---------------|----------------|------|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|
|   |   |          |               |                |               |                | Dec  | Jan | Feb  | Mar | Apr | May | Jun | Jul | Aug |  |  |  |  |  |  |
| PO103440  | S881 - 13.6m dia - TBM - Workshop Acceptance Test                       | 0        |               | 06-May-15      |               | 06-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| PO103450  | S881 - 13.6m dia - TBM - Disassembly and Packing for Transport          | 16       | 07-May-15     | 26-May-15      | 07-May-15     | 26-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| PO103460  | S881 - 13.6m dia - TBM - Delivery                                       | 20       | 27-May-15     | 15-Jun-15      | 27-May-15     | 15-Jun-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>Precast Segment ID12.40 - Production for Sub-sea TBM Tunnel</b>                                    |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| A6418040  | ID12.40 TBM Segment Ring Fabrication - 12 rings per day                 | 300      | 22-Nov-14     | 19-Dec-15      | 29-Nov-14A    | 09-Mar-16      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>Design Submission</b>  |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>(B6) Risk Assessment of Submarine Cable - Tunnelling Works</b>                                     |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01400   | Preparation of Risk Assessment of Submarine cables - Tunnelling Works   | 24       | 12-Dec-14     | 12-Jan-15      | 02-Jan-15A    | 12-Feb-15A     |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01405   | 1st Submission  | 0        |               | 12-Jan-15      |               | 12-Feb-15A     |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01410   | SO's Comments for 1st Submission  | 35       | 13-Jan-15     | 16-Feb-15      | 12-Feb-15A    | 01-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01420   | CLP Review (4 weeks)  | 28       | 16-Jan-15     | 12-Feb-15      | 12-Feb-15A    | 01-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01425   | CLP Comment Received  | 0        |               | 12-Feb-15      |               | 01-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01430   | Prepare Re-submission   | 12       | 17-Feb-15     | 09-Mar-15      | 02-Apr-15     | 20-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01435   | ICE Cert. Issue   | 6        | 10-Mar-15     | 16-Mar-15      | 21-Apr-15     | 27-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01440   | SO Forward ICE Cert. to CLP   | 3        | 17-Mar-15     | 19-Mar-15      | 28-Apr-15     | 30-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01445   | 2nd Submission  | 0        |               | 09-Mar-15      |               | 20-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01455   | SO Forward Submission to CLP  | 3        | 10-Mar-15     | 12-Mar-15      | 21-Apr-15     | 23-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01460   | CLP Review (4 weeks)  | 28       | 17-Mar-15     | 13-Apr-15      | 24-Apr-15     | 21-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01465   | CLP Comment Received  | 0        |               | 13-Apr-15      |               | 21-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| GS01467   | SO's Condition Approval   | 35       | 12-Mar-15     | 15-Apr-15      | 21-Apr-15     | 25-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>(G1) IFA for Structural Health Monitoring System for TBM Tunnel</b>                                |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD71040   | Submit ICE Check Cert to SO   | 6        | 16-Jun-14     | 21-Jun-14      | 23-Dec-14A    | 05-Jan-15A     |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD71050   | IPs Review  | 28       | 31-May-14     | 27-Jun-14      | 23-Dec-14A    | 30-Mar-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD71060   | IP's No Objection Received  | 0        |               | 27-Jun-14      |               | 30-Mar-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD71070   | SO's Review   | 35       | 31-May-14     | 04-Jul-14      | 23-Dec-14A    | 01-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD71080   | SO Approval with Condition Received                                     | 0        |               | 04-Jul-14      |               | 01-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD71200   | TBM Segment Mould Acceptance & Trial                                    | 0        | 11-Jul-14     |                | 01-Apr-15     |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>(G1) DDA for TBM Tunnel Lining Structural Design - Sub-sea tunnel</b>                              |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD6670  | Sub-sea TBM Tunnel Segment - Fabrication                                | 265      | 06-Oct-14     | 29-Aug-15      | 03-Jan-15A    | 23-Dec-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>(G1) DDA for TBM Tunnel Lining Settlement Analysis &amp; Confinement Pressure - Sub-sea tunnel</b> |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| AN1150  | DDA Settlement Analysis & Confinement Pressure for Sub-sea Tunnel       | 246      | 21-Nov-13     | 24-Sep-14      | 21-Nov-13A    | 02-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD6690  | Preparation of DDA TBM Confinement - Sub-sea tunnel                     | 0        | 25-Sep-14     | 25-Sep-14      | 08-Apr-15     | 08-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD6700  | Review & Comment by JV  | 12       | 25-Sep-14     | 10-Oct-14      | 08-Apr-15     | 21-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD6705  | Designer prepare DDA  | 12       | 11-Oct-14     | 24-Oct-14      | 22-Apr-15     | 06-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD6710  | Formal Submission of DDA to ICE/ IPs                                    | 0        |               | 24-Oct-14      |               | 06-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD6715  | Advanced Submission to SO   | 0        |               | 24-Oct-14      |               | 06-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD6720  | IPs/ SO's Advance Comments/ ICE Comments                                | 28       | 25-Oct-14     | 21-Nov-14      | 07-May-15     | 03-Jun-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD67258   | Comments Received   | 0        |               | 21-Nov-14      |               | 03-Jun-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD6730  | Designer to Reply RIC + Update Submission                               | 21       | 22-Nov-14     | 16-Dec-14      | 04-Jun-15     | 29-Jun-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>(G3) DDA for TBM Tunnel Internal Structures (Sub-sea)</b>  |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD00925   | IPs/ SO's Advance Comments/ ICE Comments                                | 28       | 25-Sep-14     | 22-Oct-14      | 21-Nov-14A    | 21-Jan-15A     |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD00930   | Comments Received   | 0        |               | 22-Oct-14      |               | 21-Jan-15A     |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD00935   | Designer to Reply RIC + Update Submission                               | 21       | 23-Oct-14     | 15-Nov-14      | 21-Jan-15A    | 31-Mar-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD00940   | Submit Updated DDA to SO/ ICE/ IPs                                      | 0        | 17-Nov-14     |                | 01-Apr-15     |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD00945   | ICE Approval & Issue Check Cert   | 12       | 17-Nov-14     | 29-Nov-14      | 01-Apr-15     | 18-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD00950   | Submit ICE Check Cert to SO   | 6        | 01-Dec-14     | 06-Dec-14      | 20-Apr-15     | 25-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD00955   | IPs Review  | 28       | 17-Nov-14     | 14-Dec-14      | 01-Apr-15     | 28-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD00960   | IP's No Objection Received  | 0        |               | 14-Dec-14      |               | 28-Apr-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD00980   | SO's Review   | 35       | 17-Nov-14     | 21-Dec-14      | 01-Apr-15     | 05-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD00985   | SO Approval with Condition Received                                     | 0        |               | 22-Dec-14      |               | 05-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD00995   | Sub-sea Internal Structure - Precast Gallery Mould Design & Fabrication | 24       | 22-Dec-14     | 21-Jan-15      | 06-May-15     | 03-Jun-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD01015   | Sub-sea Tunnel - Precast Gallery Fabrication                            | 244      | 22-Jan-15     | 21-Nov-15      | 04-Jun-15     | 02-Apr-16      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>Sub-sea Tunnel Cross Passage &amp; Internal Structure</b>  |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>Design Submission</b>  |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>(G4) DDA for Cross Passage - Permanent works - incl. Geotechnical Assessment - Sub-sea tunnel</b>  |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| AN1180  | Early DDA Sub-sea Cross Passage Lining & CP Opening                     | 151      | 03-Jun-14     | 29-Nov-14      | 03-Jun-14A    | 09-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD01100   | Preparation of DDACross Passage incl. Detailed Geotechnical Assessment  | 0        | 01-Dec-14     | 01-Dec-14      | 11-May-15     | 11-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD01105   | Review & Comment by JV  | 6        | 01-Dec-14     | 06-Dec-14      | 11-May-15     | 16-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD01110   | Designer prepare DDA  | 12       | 08-Dec-14     | 20-Dec-14      | 18-May-15     | 01-Jun-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD01115   | Formal Submission of DDA to ICE/ IPs                                    | 0        |               | 20-Dec-14      |               | 01-Jun-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD01120   | Advanced Submission to SO   | 0        |               | 20-Dec-14      |               | 01-Jun-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD01125   | IPs/ SO's Advance Comments/ ICE Comments                                | 28       | 21-Dec-14     | 17-Jan-15      | 02-Jun-15     | 29-Jun-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| DD01130   | Comments Received   | 0        |               | 17-Jan-15      |               | 29-Jun-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>Method Statement Submission</b>  |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>Method Statement of Cross Passage Ground Freezing</b>  |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| MS1300  | Preparation Method Statement for CP Ground Freezing                     | 25       | 17-Sep-14     | 17-Oct-14      | 30-Mar-15     | 02-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| MS1310  | Submit Method Statement to SO/ ICE                                      | 0        |               | 17-Oct-14      |               | 02-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| MS1320  | SO Reviews & Comments/ ICE Comments                                     | 28       | 18-Oct-14     | 14-Nov-14      | 03-May-15     | 30-May-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| MS1330  | Re-submission   | 18       | 15-Nov-14     | 05-Dec-14      | 01-Jun-15     | 22-Jun-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| MS1340  | ICE Approval & Issue Check Cert.  | 18       | 06-Dec-14     | 29-Dec-14      | 23-Jun-15     | 14-Jul-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| MS1350  | SO's Review   | 28       | 06-Dec-14     | 02-Jan-15      | 23-Jun-15     | 20-Jul-15      |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>Southern Landfall</b>  |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>South Cut &amp; Cover Tunnel</b>   |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>Design Submission</b>  |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |
| <b>(E2) AIP for South C&amp;C Box &amp; Approach Ramp</b>   |   |          |               |                |               |                |      |     |      |     |     |     |     |     |     |  |  |  |  |  |  |

- Planned Bar
- Planned Bar - Critical
- ◆ Planned Milestone
- Progress bar
- ◆ Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section  
 Detailed Works Programme (Rev. C) - Three months rolling programme  
 Progress as of 30-Mar-15



| Date      | Revision                    | Checked | Approved |
|-----------|-----------------------------|---------|----------|
| 21-Feb-14 | TMCLKDBJGEN.PRG.08505       | SPa     | WYu      |
| 28-Aug-14 | TMCLKDBJGEN.PRG.08505 Rev.C | CLa     | WYu      |



| Activity ID  | Activity Name  | Orig Dur | Planned Start | Planned Finish | Current Start | Current Finish | 2014   |     |     |     |     |     |     |     |     |  |  |  |
|--|--|----------|---------------|----------------|---------------|----------------|--|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
|  |  |          |               |                |               |                | Dec  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |  |  |  |
| AP3210   | SO Review (35 Days)  | 35       | 14-Oct-14     | 17-Nov-14      | 03-Dec-14A    | 01-Apr-15      | SO Review (35 Days)  |     |     |     |     |     |     |     |     |  |  |  |
| AP3220   | SO Approval with Condition Received                                      | 0        |               | 17-Nov-14      |               | 01-Apr-15      | SO Approval with Condition Received                                      |     |     |     |     |     |     |     |     |  |  |  |
| <b>(E2) DDA for South C&amp;C Box &amp; Approach Ramp</b>                                |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| DD00460  | Preparation DDA Sth C&C Box and Approach Ramp                            | 18       | 18-Nov-14     | 08-Dec-14      | 02-Apr-15     | 27-Apr-15      | Preparation DDA Sth C&C Box and Approach Ramp                            |     |     |     |     |     |     |     |     |  |  |  |
| DD00470  | Review & Comment by JV   | 18       | 09-Dec-14     | 31-Dec-14      | 28-Apr-15     | 19-May-15      | Review & Comment by JV   |     |     |     |     |     |     |     |     |  |  |  |
| DD00480  | Designer prepare DDA   | 10       | 02-Jan-15     | 13-Jan-15      | 20-May-15     | 01-Jun-15      | Designer prepare DDA   |     |     |     |     |     |     |     |     |  |  |  |
| DD00490  | Formal Submission of DDA to ICE/ IPs                                     | 0        |               | 13-Jan-15      |               | 01-Jun-15      | Formal Submission of DDA to ICE/ IPs                                     |     |     |     |     |     |     |     |     |  |  |  |
| DD00500  | Advanced Submission to SO  | 0        |               | 13-Jan-15      |               | 01-Jun-15      | Advanced Submission to SO  |     |     |     |     |     |     |     |     |  |  |  |
| DD00510  | IPs/ SO's Advance Comments/ ICE Comments                                 | 28       | 14-Jan-15     | 10-Feb-15      | 02-Jun-15     | 29-Jun-15      | IPs/ SO's Advance Comments/ ICE Comments                                 |     |     |     |     |     |     |     |     |  |  |  |
| DD00520  | Comments Received  | 0        |               | 10-Feb-15      |               | 29-Jun-15      | Comments Received  |     |     |     |     |     |     |     |     |  |  |  |
| <b>(F3) AIP Temp. Support for South C&amp;C, Portal &amp; ELS</b>                        |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| DD69590  | Prepare AIP South C&C ELS  | 18       | 20-Sep-14     | 13-Oct-14      | 02-Mar-15A    | 19-Mar-15A     | Prepare AIP South C&C ELS  |     |     |     |     |     |     |     |     |  |  |  |
| DD69600  | Review & Comment by JV   | 18       | 14-Oct-14     | 03-Nov-14      | 20-Mar-15A    | 14-Apr-15      | Review & Comment by JV   |     |     |     |     |     |     |     |     |  |  |  |
| DD69610  | Designer prepare AIP   | 10       | 04-Nov-14     | 14-Nov-14      | 15-Apr-15     | 25-Apr-15      | Designer prepare AIP   |     |     |     |     |     |     |     |     |  |  |  |
| DD69620  | Formal Submission of AIP to ICE/ IPs                                     | 0        |               | 14-Nov-14      |               | 25-Apr-15      | Formal Submission of AIP to ICE/ IPs                                     |     |     |     |     |     |     |     |     |  |  |  |
| DD69630  | Advanced Submission to SO  | 0        |               | 14-Nov-14      |               | 25-Apr-15      | Advanced Submission to SO  |     |     |     |     |     |     |     |     |  |  |  |
| DD69640  | IPs/ SO's Advance Comments/ ICE Comments                                 | 28       | 15-Nov-14     | 12-Dec-14      | 26-Apr-15     | 23-May-15      | IPs/ SO's Advance Comments/ ICE Comments                                 |     |     |     |     |     |     |     |     |  |  |  |
| DD69650  | Comments Received  | 0        |               | 12-Dec-14      |               | 23-May-15      | Comments Received  |     |     |     |     |     |     |     |     |  |  |  |
| DD69660  | Designer to Reply RTC + Update Submission                                | 21       | 13-Dec-14     | 09-Jan-15      | 26-May-15     | 18-Jun-15      | Designer to Reply RTC + Update Submission                                |     |     |     |     |     |     |     |     |  |  |  |
| DD69670  | Submit Updated AIP to SO/ ICE/ IPs                                       | 0        | 10-Jan-15     |                | 19-Jun-15     |                | Submit Updated AIP to SO/ ICE/ IPs                                       |     |     |     |     |     |     |     |     |  |  |  |
| DD69680  | ICE Approval & Issue Check Cert  | 12       | 10-Jan-15     | 23-Jan-15      | 19-Jun-15     | 04-Jul-15      | ICE Approval & Issue Check Cert  |     |     |     |     |     |     |     |     |  |  |  |
| DD69690  | IPs Review   | 28       | 10-Jan-15     | 06-Feb-15      | 19-Jun-15     | 16-Jul-15      | IPs Review   |     |     |     |     |     |     |     |     |  |  |  |
| DD69710  | SO's Review  | 35       | 10-Jan-15     | 13-Feb-15      | 19-Jun-15     | 23-Jul-15      | SO's Review  |     |     |     |     |     |     |     |     |  |  |  |
| <b>Method Statement Submission</b>   |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| <b>Method Statement of Construction Methodology of C&amp;C Tunnels</b>                   |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| MS1700   | Preparation Method Statement for C&C Tunnels                             | 25       | 28-Mar-15     | 30-Apr-15      | 30-Mar-15     | 02-May-15      | Preparation Method Statement for C&C Tunnels                             |     |     |     |     |     |     |     |     |  |  |  |
| MS1710   | Submit Method Statement to SO  | 0        |               | 30-Apr-15      |               | 02-May-15      | Submit Method Statement to SO  |     |     |     |     |     |     |     |     |  |  |  |
| MS1720   | SO Reviews & Comments  | 28       | 01-May-15     | 28-May-15      | 03-May-15     | 30-May-15      | SO Reviews & Comments  |     |     |     |     |     |     |     |     |  |  |  |
| MS1730   | Re-submission  | 18       | 29-May-15     | 18-Jun-15      | 01-Jun-15     | 22-Jun-15      | Re-submission  |     |     |     |     |     |     |     |     |  |  |  |
| MS1740   | SO's Review  | 28       | 19-Jun-15     | 16-Jul-15      | 23-Jun-15     | 20-Jul-15      | SO's Review  |     |     |     |     |     |     |     |     |  |  |  |
| <b>South Retrieval Shaft</b>   |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| <b>Design Submission</b>   |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| <b>(A4) Additional Ground Investigation Plan - Phase 3 - Southern Landfall</b>           |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| GS2870   | Preparation of Additional Ground Investigation (Phase 3)                 | 11       | 15-Jan-15     | 27-Jan-15      | 20-Feb-15A    | 02-Mar-15A     | Preparation of Additional Ground Investigation (Phase 3)                 |     |     |     |     |     |     |     |     |  |  |  |
| GS2880   | 1st Submission   | 0        |               | 27-Jan-15      |               | 02-Mar-15A     | 1st Submission   |     |     |     |     |     |     |     |     |  |  |  |
| GS2905   | SO's Comments for 1st Submission   | 35       | 28-Jan-15     | 03-Mar-15      | 02-Mar-15A    | 08-Apr-15      | SO's Comments for 1st Submission   |     |     |     |     |     |     |     |     |  |  |  |
| GS2910   | SO's Condition Approval  | 0        |               | 03-Mar-15      |               | 08-Apr-15      | SO's Condition Approval  |     |     |     |     |     |     |     |     |  |  |  |
| <b>(A5) Ground Investigation Report - Phase 3 - Southern Landfall</b>                    |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| GS2960   | Preparation of Ground Investigation Report - Phase 3 - Southern Landfall | 36       | 01-Apr-15     | 18-May-15      | 08-May-15     | 19-Jun-15      | Preparation of Ground Investigation Report - Phase 3 - Southern Landfall |     |     |     |     |     |     |     |     |  |  |  |
| GS2970   | *1st Submission  | 0        |               | 18-May-15      |               | 19-Jun-15      | *1st Submission  |     |     |     |     |     |     |     |     |  |  |  |
| GS2980   | SO's Comments for 1st Submission   | 35       | 19-May-15     | 22-Jun-15      | 20-Jun-15     | 24-Jul-15      | SO's Comments for 1st Submission   |     |     |     |     |     |     |     |     |  |  |  |
| <b>(B5) AIP Construction Risk Assessment - Impact on South Landfall</b>                  |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| GS01200  | Preparation of Construction Risk Assessment - Impact on South Landfall   | 36       | 30-Oct-14     | 10-Dec-14      | 02-Feb-15A    | 31-Mar-15      | Preparation of Construction Risk Assessment - Impact on South Landfall   |     |     |     |     |     |     |     |     |  |  |  |
| GS01205  | 1st Submission   | 0        |               | 10-Dec-14      |               | 31-Mar-15      | 1st Submission   |     |     |     |     |     |     |     |     |  |  |  |
| GS01210  | SO's Comments for 1st Submission   | 35       | 11-Dec-14     | 14-Jan-15      | 01-Apr-15     | 05-May-15      | SO's Comments for 1st Submission   |     |     |     |     |     |     |     |     |  |  |  |
| GS01215  | Prepare Re-submission  | 10       | 15-Jan-15     | 26-Jan-15      | 06-May-15     | 16-May-15      | Prepare Re-submission  |     |     |     |     |     |     |     |     |  |  |  |
| GS01220  | 2nd Submission   | 0        |               | 26-Jan-15      |               | 16-May-15      | 2nd Submission   |     |     |     |     |     |     |     |     |  |  |  |
| GS01225  | ICE Cert. Issue  | 6        | 27-Jan-15     | 02-Feb-15      | 18-May-15     | 23-May-15      | ICE Cert. Issue  |     |     |     |     |     |     |     |     |  |  |  |
| GS01250  | SO's Condition Approval  | 35       | 27-Jan-15     | 02-Mar-15      | 17-May-15     | 20-Jun-15      | SO's Condition Approval  |     |     |     |     |     |     |     |     |  |  |  |
| <b>(B5) DDA Construction Risk Assessment - Impact on South Landfall</b>                  |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| DD68500  | Preparation of Construction Risk Assessment - Impact on South Landfall   | 36       | 03-Mar-15     | 17-Apr-15      | 22-Jun-15     | 03-Aug-15      | Preparation of Construction Risk Assessment - Impact on South Landfall   |     |     |     |     |     |     |     |     |  |  |  |
| <b>(F1) AIP Temp. works - Retrieval Shaft on Southern Landfall incl. break-out</b>       |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| AP01600  | Preparation of AIP Retrieval Shaft on Sth Landfall incl. break out       | 12       | 20-Sep-14     | 06-Oct-14      | 02-Mar-15A    | 13-Mar-15A     | Preparation of AIP Retrieval Shaft on Sth Landfall incl. break out       |     |     |     |     |     |     |     |     |  |  |  |
| AP01605  | Review & Comment by JV   | 12       | 07-Oct-14     | 20-Oct-14      | 13-Mar-15A    | 31-Mar-15      | Review & Comment by JV   |     |     |     |     |     |     |     |     |  |  |  |
| AP01610  | Designer Prepare AIP   | 6        | 21-Oct-14     | 27-Oct-14      | 01-Apr-15     | 11-Apr-15      | Designer Prepare AIP   |     |     |     |     |     |     |     |     |  |  |  |
| AP01615  | Formal Submission of AIP to ICE/ IPs                                     | 0        |               | 27-Oct-14      |               | 11-Apr-15      | Formal Submission of AIP to ICE/ IPs                                     |     |     |     |     |     |     |     |     |  |  |  |
| AP01620  | Advanced Submission of AIP to SO   | 0        |               | 27-Oct-14      |               | 11-Apr-15      | Advanced Submission of AIP to SO   |     |     |     |     |     |     |     |     |  |  |  |
| AP01625  | Review & Comment by SO/ ICE/ IPs   | 28       | 28-Oct-14     | 24-Nov-14      | 12-Apr-15     | 09-May-15      | Review & Comment by SO/ ICE/ IPs   |     |     |     |     |     |     |     |     |  |  |  |
| AP01630  | Advance Comments from SO/ Comments from ICE/ IPs Received                | 0        |               | 24-Nov-14      |               | 09-May-15      | Advance Comments from SO/ Comments from ICE/ IPs Received                |     |     |     |     |     |     |     |     |  |  |  |
| AP01635  | Designer to Prepare RTC & Updated AIP                                    | 18       | 25-Nov-14     | 15-Dec-14      | 11-May-15     | 01-Jun-15      | Designer to Prepare RTC & Updated AIP                                    |     |     |     |     |     |     |     |     |  |  |  |
| AP01640  | Submission of AIP to SO/ ICE together with Reply To Comment (RTC)        | 0        |               | 15-Dec-14      |               | 01-Jun-15      | Submission of AIP to SO/ ICE together with Reply To Comment (RTC)        |     |     |     |     |     |     |     |     |  |  |  |
| AP01645  | Reply to IPs Comments in RTC   | 0        |               | 15-Dec-14      |               | 01-Jun-15      | Reply to IPs Comments in RTC   |     |     |     |     |     |     |     |     |  |  |  |
| AP01650  | ICE Approval & Issue of Design Check Cert.                               | 18       | 16-Dec-14     | 08-Jan-15      | 02-Jun-15     | 23-Jun-15      | ICE Approval & Issue of Design Check Cert.                               |     |     |     |     |     |     |     |     |  |  |  |
| AP01655  | Check Cert to SO   | 0        |               | 08-Jan-15      |               | 23-Jun-15      | Check Cert to SO   |     |     |     |     |     |     |     |     |  |  |  |
| AP01660  | No Objection or Further Minor Comments from IPs Received                 | 0        |               | 08-Jan-15      |               | 23-Jun-15      | No Objection or Further Minor Comments from IPs Received                 |     |     |     |     |     |     |     |     |  |  |  |
| AP01680  | SO Review (35 Days)  | 35       | 17-Dec-14     | 20-Jan-15      | 02-Jun-15     | 06-Jul-15      | SO Review (35 Days)  |     |     |     |     |     |     |     |     |  |  |  |
| <b>(F2) AIP Temp. works of Ground Treatment for TBMs passing under Southern Landfall</b> |  |          |               |                |               |                |  |     |     |     |     |     |     |     |     |  |  |  |
| AP01900  | Preparation of AIP Ground Improvement works in Sth Landfall Seawall      | 18       | 01-Sep-14     | 22-Sep-14      | 27-Mar-15A    | 27-Mar-15A     | Preparation of AIP Ground Improvement works in Sth Landfall Seawall      |     |     |     |     |     |     |     |     |  |  |  |
| AP01905  | Review & Comment by JV   | 18       | 23-Sep-14     | 15-Oct-14      | 27-Mar-15A    | 27-Mar-15A     | Review & Comment by JV   |     |     |     |     |     |     |     |     |  |  |  |
| AP01910  | Designer Prepare AIP   | 12       | 16-Oct-14     | 29-Oct-14      | 27-Mar-15A    | 27-Mar-15A     | Designer Prepare AIP   |     |     |     |     |     |     |     |     |  |  |  |
| AP01915  | Formal Submission of AIP to ICE/ IPs                                     | 0        |               | 29-Oct-14      |               | 27-Mar-15A     | Formal Submission of AIP to ICE/ IPs                                     |     |     |     |     |     |     |     |     |  |  |  |
| AP01920  | Advanced Submission of AIP to SO   | 0        |               | 29-Oct-14      |               | 27-Mar-15A     | Advanced Submission of AIP to SO   |     |     |     |     |     |     |     |     |  |  |  |
| AP01925  | Review & Comment by SO/ ICE/ IPs   | 28       | 30-Oct-14     | 26-Nov-14      | 27-Mar-15A    | 27-Mar-15A     | Review & Comment by SO/ ICE/ IPs   |     |     |     |     |     |     |     |     |  |  |  |
| AP01930  | Advance Comments from SO/ Comments from ICE/ IPs Received                | 0        |               | 26-Nov-14      |               | 27-Mar-15A     | Advance Comments from SO/ Comments from ICE/ IPs Received                |     |     |     |     |     |     |     |     |  |  |  |
| AP01935  | Designer to Prepare RTC & Updated AIP                                    | 18       | 27-Nov-14     | 17-Dec-14      | 27-Mar-15A    | 27-Mar-15A     | Designer to Prepare RTC & Updated AIP                                    |     |     |     |     |     |     |     |     |  |  |  |

■ Planned Bar  
■ Planned Bar - Critical  
◆ Planned Milestone  
■ Progress bar  
◆ Progress Milestone

TMCLK - Northern Connection Sub-Sea Tunnel Section  
 Detailed Works Programme (Rev. C) - Three months rolling programme  
 Progress as of 30-Mar-15



| Date      | Revision                    | Checked | Approved |
|-----------|-----------------------------|---------|----------|
| 21-Feb-14 | TMCLKDBJGEN.PRG.08505       | SPa     | WYu      |
| 28-Aug-14 | TMCLKDBJGEN.PRG.08505 Rev.C | CLa     | WYu      |

