**Update Programme**

**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| **Phase 1 Northbound (Leith) Carriageway Ch 200-375** | | 15-Aug-12 | 77 | 29-Nov-12 | | 522 |
| 1C-18A2-ROAD-20(3) | Establish Traffic Management & Temp. Fencing | 15-Aug-12 | 2 | 16-Aug-12 | 0% | 348 |
| 1C-18A2-ROAD-22(3) | Trial Holes for Services | 17-Aug-12 | 3 | 21-Aug-12 | 0% | 348 |
| 1C-18A2-ROAD-31(3) | Excavate Existing Carriageway | 22-Aug-12 | 9 | 03-Sep-12 | 0% | 348 |
| 1C-18A2-ROAD-30(3) | Excavate Existing Kerbs | 24-Aug-12 | 2 | 27-Aug-12 | 0% | 384 |
| 1C-18A2-ROAD-32(3) | Capping | 29-Aug-12 | 5 | 04-Sep-12 | 0% | 348 |
| 1C-18A2-TRCK-60 | Lay and Concrete Ducts (& Chambers) | 05-Sep-12 | 22 | 04-Oct-12 | 0% | 348 |
| 1C-18A2-ROAD-51(3) | Relocate Existing Manholes | 05-Sep-12 | 20 | 02-Oct-12 | 0% | 350 |
| 1C-18A2-ROAD-61(3) | Subbase | 05-Oct-12 | 8 | 16-Oct-12 | 0% | 348 |
| 1C-18A2-ROAD-40(3) | Construct Kerb lines | 17-Oct-12 | 10 | 30-Oct-12 | 0% | 348 |
| 1C-18A2-ROAD-50(3) | Reset Gullies (& Connections) | 17-Oct-12 | 6 | 24-Oct-12 | 0% | 352 |
| 1C-18A2-ROAD-70(3) | Pavement Works (Footpath) | 31-Oct-12 | 22 | 29-Nov-12 | 0% | 522 |
| 1C-18A2-ROAD-62(3) | Roadbase | 31-Oct-12 | 4 | 05-Nov-12 | 0% | 348 |
| 1C-18A2-ROAD-63(3) | Binder | 06-Nov-12 | 4 | 09-Nov-12 | 0% | 348 |
| 1C-18A2-ROAD-65(3) | Bus Bays & Parking Areas (Gayfield Street) | 08-Nov-12 | 8 | 19-Nov-12 | 0% | 348 |
| 1C-18A2-ROAD-21(3) | Remove Fencing and Traffic Management (& Apply Temporary Markings) | 20-Nov-12 | 1 | 20-Nov-12 | 0% | 348 |
| **Phase 3 Tram Way & Centre Reserve (Ch 200-375)** | | 27-Feb-13 | 99 | 18-Jul-13 | | 369 |
| 1C-18AB2-TRCK-20(3) | Establish Traffic Management & Temp. Fencing | 27-Feb-13 | 2 | 28-Feb-13 | 0% | 348 |
| 1C-18AB2-TRCK-22(3) | Trial Holes for Services | 01-Mar-13 | 3 | 05-Mar-13 | 0% | 348 |
| 1C-18AB2-TRCK-30(3) | Excavate box | 06-Mar-13 | 8 | 15-Mar-13 | 0% | 348 |
| 1C-18AB2-TRCK-31(3) | Subbase | 13-Mar-13 | 4 | 18-Mar-13 | 0% | 454 |
| 1C-18AB2-TRCK-50(3) | Piling for OLE Foundations | 18-Mar-13 | 4 | 21-Mar-13 | 0% | 348 |
| 1C-18AB2-TRCK-51(3) | Excavate & Cast OLE Foundations | 07-May-13 | 4 | 10-May-13 | 0% | 417 |
| 1C-18AB2-TRCK-90(3) | Centre Reserve Finishes | 21-Jun-13 | 15 | 11-Jul-13 | 0% | 348 |
| 1C-18AB2-TRCK-91(3) | Erect OLE/Lighting Columns | 12-Jul-13 | 5 | 18-Jul-13 | 0% | 348 |
| **Inbound Track** | | 22-Mar-13 | 37 | 15-May-13 | | 348 |
| 1C-18A2-TRCK-61(3) | IMU Drains, SL & Cable Ducts | 22-Mar-13 | 6 | 01-Apr-13 | 0% | 348 |
| 1C-18A2-TRCK-65(3) | Track Improvement Slab | 02-Apr-13 | 13 | 18-Apr-13 | 0% | 348 |
| 1C-18A2-TRCK-70(3) | Set Track + mob | 19-Apr-13 | 8 | 30-Apr-13 | 0% | 348 |
| 1C-18A2-TRCK-75(3) | Place upper concrete and cure | 24-Apr-13 | 8 | 03-May-13 | 0% | 348 |
| 1C-18A2-TRCK-80(3) | Surfacing | 07-May-13 | 7 | 15-May-13 | 0% | 348 |
| **Outbound Track** | | 16-May-13 | 40 | 11-Jul-13 | | 348 |
| 1C-18B2-TRCK-61(3) | IMU Drains, SL & Cable Ducts | 16-May-13 | 2 | 17-May-13 | 0% | 348 |
| 1C-18B2-TRCK-65(3) | Track Improvement Slab | 20-May-13 | 12 | 05-Jun-13 | 0% | 348 |
| 1C-18B2-TRCK-70(3) | Set Track | 06-Jun-13 | 8 | 17-Jun-13 | 0% | 348 |
| 1C-18B2-TRCK-75(3) | Place upper concrete and cure | 11-Jun-13 | 8 | 20-Jun-13 | 0% | 348 |
| 1C-18B2-TRCK-80(3) | Surfacing | 02-Jul-13 | 8 | 11-Jul-13 | 0% | 348 |
| **Phase 2 Southbound (City) Carriageway Ch 200-375** | | 21-Nov-12 | 75 | 18-Mar-13 | | 454 |
| 1C-18B2-ROAD-20(3) | Establish Traffic Management & Temp. Fencing | 21-Nov-12 | 2 | 22-Nov-12 | 0% | 348 |
| 1C-18B2-ROAD-22(3) | Trial Holes for Services | 23-Nov-12 | 3 | 27-Nov-12 | 0% | 348 |
| 1C-18B2-ROAD-31(3) | Excavate Existing Carriageway | 28-Nov-12 | 7 | 06-Dec-12 | 0% | 348 |
| 1C-18B2-ROAD-30(3) | Excavate Existing Kerbs | 30-Nov-12 | 2 | 03-Dec-12 | 0% | 381 |
| 1C-18B2-ROAD-32(3) | Capping | 05-Dec-12 | 4 | 10-Dec-12 | 0% | 348 |
| 1C-18B2-TRCK-60 | Lay and Concrete Ducts (& Chambers) | 11-Dec-12 | 22 | 22-Jan-13 | 0% | 348 |
| 1C-18B2-ROAD-51(3) | Relocate Existing Manholes | 11-Dec-12 | 20 | 18-Jan-13 | 0% | 350 |

| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0134

**Update Programme**

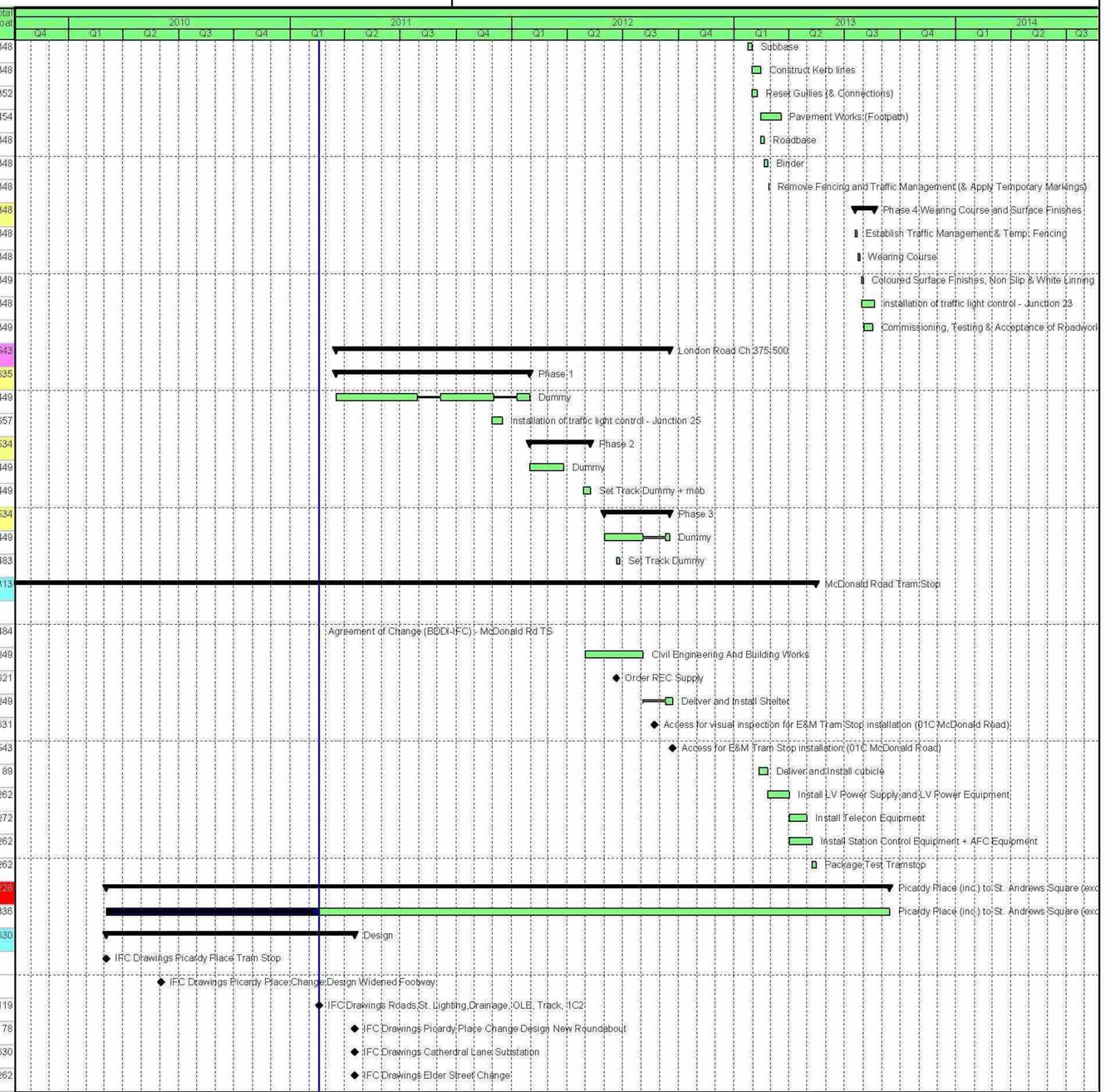
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1C-18B2-ROAD-61(3) | Subbase | 23-Jan-13 | 6 | 30-Jan-13 | 0% | 348 |
| 1C-18B2-ROAD-40(3) | Construct Kerb lines | 31-Jan-13 | 10 | 13-Feb-13 | 0% | 348 |
| 1C-18B2-ROAD-50(3) | Reset Gullies (& Connections) | 31-Jan-13 | 6 | 07-Feb-13 | 0% | 352 |
| 1C-18B2-ROAD-70(3) | Pavement Works (Footpath) | 14-Feb-13 | 23 | 18-Mar-13 | 0% | 454 |
| 1C-18B2-ROAD-62(3) | Roadbase | 14-Feb-13 | 4 | 19-Feb-13 | 0% | 348 |
| 1C-18B2-ROAD-63(3) | Binder | 20-Feb-13 | 4 | 25-Feb-13 | 0% | 348 |
| 1C-18B2-ROAD-21(3) | Remove Fencing and Traffic Management (& Apply Temporary Markings) | 26-Feb-13 | 1 | 26-Feb-13 | 0% | 348 |
| **Phase 4 Wearing Course and Surface Finishes** | | 19-Jul-13 | 21 | 19-Aug-13 | | 348 |
| 1C-18AB2-ROAD-20(3) | Establish Traffic Management & Temp. Fencing | 19-Jul-13 | 2 | 22-Jul-13 | 0% | 348 |
| 1C-18AB2-ROAD-64(3) | Wearing Course | 23-Jul-13 | 4 | 26-Jul-13 | 0% | 348 |
| 1C-18AB2-ROAD-66(3) | Coloured Surface Finishes, Non Slip & White Linning | 29-Jul-13 | 4 | 01-Aug-13 | 0% | 349 |
| 1C-18AB2-JNCS-60 | installation of traffic light control - Junction 23 | 29-Jul-13 | 15 | 19-Aug-13 | 0% | 348 |
| 1C-18AB2-ROAD-95(3) | Commissioning, Testing & Acceptance of Roadworks & Trackworks | 02-Aug-13 | 10 | 16-Aug-13 | 0% | 349 |
| **London Road Ch 375-500** | | 17-Mar-11 | 374 | 17-Sep-12 | | 543 |
| **Phase 1** | | 17-Mar-11 | 213 | 30-Jan-12 | | 635 |
| 1C-18CD-ROAD-110 | Dummy | 17-Mar-11 | 170 | 30-Jan-12 | 0% | 449 |
| 1C-18C-JNCS-60 | installation of traffic light control - Junction 25 | 28-Nov-11 | 14 | 15-Dec-11 | 0% | 657 |
| **Phase 2** | | 30-Jan-12 | 70 | 09-May-12 | | 534 |
| 1C-18CD-ROAD-120 | Dummy | 30-Jan-12 | 40 | 26-Mar-12 | 0% | 449 |
| 1C-18CD-ROAD-140 | Set Track Dummy + mob | 27-Apr-12 | 7 | 09-May-12 | 0% | 449 |
| **Phase 3** | | 31-May-12 | 76 | 17-Sep-12 | | 534 |
| 1C-18CD-ROAD-130 | Dummy | 31-May-12 | 50 | 17-Sep-12 | 0% | 449 |
| 1C-18CD-ROAD-150 | Set Track Dummy | 20-Jun-12 | 4 | 26-Jun-12 | 0% | 483 |
| **McDonald Road Tram Stop** | | 01-Sep-08 A | 1158 | 15-May-13 | | 313 |
| 12180 | Issue Construction Drawings | | 0 | 01-Sep-08 A | 100% | |
| 1A-24-CHGE-260 | Agreement of Change (BDDI-IFC) - McDonald Rd TS | 18-Feb-11 | 0 | 18-Feb-11 | 0% | 484 |
| 1C-18-TRMS-90 | Civil Engineering And Building Works | 30-Apr-12 | 65 | 03-Aug-12 | 0% | 249 |
| 1C-18-TRMS-20 | Order REC Supply | 21-Jun-12 | 0 | | 0% | 621 |
| 1C-18-TRMS-40 | Deliver and Install Shelter | 03-Aug-12 | 10 | 21-Sep-12 | 0% | 249 |
| 1C-18-TRMS-30 | Access for visual inspection for E&M Tram Stop installation (01C McDonald Road) | 23-Aug-12 | 0 | | 0% | 631 |
| 1C-18-TRMS-31 | Access for E&M Tram Stop installation (01C McDonald Road) | 21-Sep-12 | 0 | | 0% | 543 |
| 1C-18-TRMS-45 | Deliver and Install cubicle | 11-Feb-13 | 10 | 25-Feb-13 | 0% | 89 |
| 1C-18-TRMS-50 | Install LV Power Supply and LV Power Equipment | 25-Feb-13 | 25 | 02-Apr-13 | 0% | 262 |
| 1C-18-TRMS-70 | Install Telecon Equipment | 02-Apr-13 | 20 | 30-Apr-13 | 0% | 272 |
| 1C-18-TRMS-60 | Install Station Control Equipment + AFC Equipment | 02-Apr-13 | 25 | 08-May-13 | 0% | 262 |
| 1C-18-TRMS-80 | Package Test Tramstop | 08-May-13 | 5 | 15-May-13 | 0% | 262 |
| **Picardy Place (inc.) to St. Andrews Square (exc.)** | | 05-Mar-10 A | 865 | 13-Sep-13 | | 228 |
| 33 | Picardy Place (inc.) to St. Andrews Square (exc.) | 05-Mar-10 A | 1275 | 13-Sep-13 | 26.36% | 336 |
| **Design** | | 05-Mar-10 A | 266 | 18-Apr-11 | | 630 |
| 1C-3-DSG-ROAD-130 | IFC Drawings Picardy Place Tram Stop | | 0 | 05-Mar-10 A | 100% | |
| 1C-3-DSG-ROAD-120 | IFC Drawings Picardy Place Change Design Widened Footway | | 0 | 03-Jun-10 A | 100% | |
| 1C-3-DSG-ROAD-100 | IFC Drawings Roads,St. Lighting,Drainage, OLE, Track, 1C2 | | 0 | 18-Feb-11* | 0% | 119 |
| 1C-3-DSG-ROAD-110 | IFC Drawings Picardy Place Change Design New Roundabout | | 0 | 18-Apr-11* | 0% | 78 |
| 1C-3-DSG-ROAD-140 | IFC Drawings Catherdral Lane Substation | | 0 | 18-Apr-11* | 0% | 630 |
| 1C-3-DSG-ROAD-150 | IFC Drawings Elder Street Change | | 0 | 18-Apr-11* | 0% | 262 |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0135

**Update Programme**

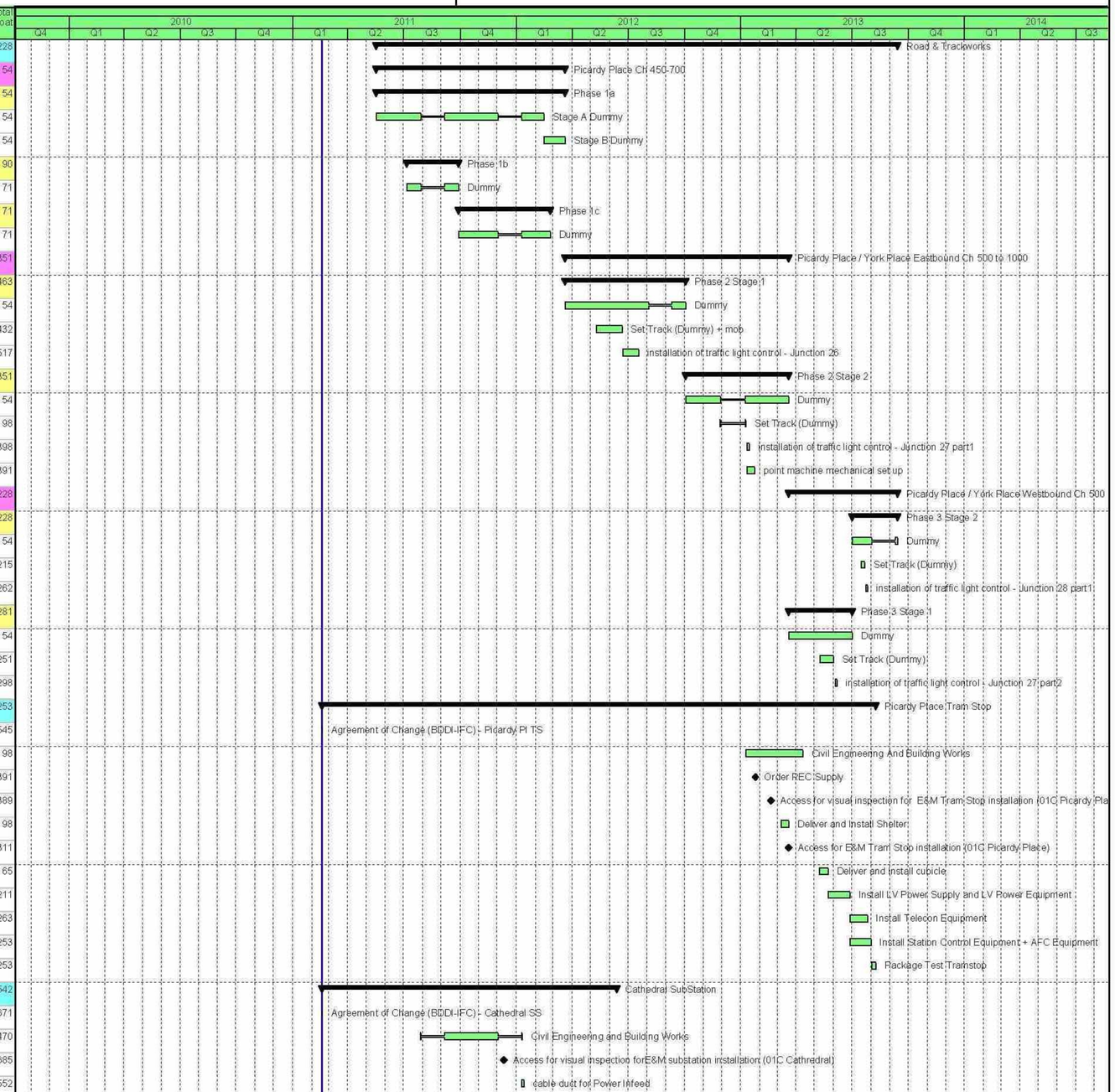
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| **Road & Trackworks** | | 17-May-11 | 579 | 13-Sep-13 | | 228 |
| **Picardy Place Ch 450-700** | | 17-May-11 | 208 | 20-Mar-12 | | 54 |
| **Phase 1a** | | 17-May-11 | 208 | 20-Mar-12 | | 54 |
| 1C-17H-TRCK-110 | Stage A Dummy | 17-May-11 | 140 | 14-Feb-12 | 0% | 54 |
| 1C-17H-TRCK-115 | Stage B Dummy | 14-Feb-12 | 25 | 20-Mar-12 | 0% | 54 |
| **Phase 1b** | | 06-Jul-11 | 59 | 28-Sep-11 | | 90 |
| 1C-17H-TRCK-120 | Dummy | 06-Jul-11 | 35 | 28-Sep-11 | 0% | 71 |
| **Phase 1c** | | 28-Sep-11 | 97 | 24-Feb-12 | | 71 |
| 1C-17H-TRCK-130 | Dummy | 28-Sep-11 | 78 | 24-Feb-12 | 0% | 71 |
| **Picardy Place / York Place Eastbound Ch 500 to 1000** | | 20-Mar-12 | 248 | 20-Mar-13 | | 351 |
| **Phase 2 Stage 1** | | 20-Mar-12 | 136 | 02-Oct-12 | | 463 |
| 1C-17H-TRCK-160 | Dummy | 20-Mar-12 | 110 | 02-Oct-12 | 0% | 54 |
| 1C-17H-TRCK-70(3) | Set Track (Dummy) + mob | 10-May-12 | 29 | 21-Jun-12 | 0% | 432 |
| 1C-17F-JNCS-60 | installation of traffic light control - Junction 26 | 22-Jun-12 | 18 | 17-Jul-12 | 0% | 517 |
| **Phase 2 Stage 2** | | 02-Oct-12 | 112 | 20-Mar-13 | | 351 |
| 1C-17H-TRCK-170 | Dummy | 02-Oct-12 | 95 | 20-Mar-13 | 0% | 54 |
| 1C-17C-TRCK-70(3) | Set Track (Dummy) | 27-Nov-12 | 5 | 09-Jan-13 | 0% | 98 |
| 1C-17H-JNCS-60 | installation of traffic light control - Junction 27 part1 | 10-Jan-13 | 3 | 14-Jan-13 | 0% | 398 |
| 1C-17D-SIGN-70 | point machine mechanical set up | 10-Jan-13 | 10 | 23-Jan-13 | 0% | 391 |
| **Picardy Place / York Place Westbound Ch 500 to 1000** | | 20-Mar-13 | 123 | 13-Sep-13 | | 228 |
| **Phase 3 Stage 2** | | 01-Jul-13 | 53 | 13-Sep-13 | | 228 |
| 1C-17J-TRCK-180 | Dummy | 01-Jul-13 | 29 | 13-Sep-13 | 0% | 54 |
| 1C-17A-TRCK-70 | Set Track (Dummy) | 15-Jul-13 | 5 | 22-Jul-13 | 0% | 215 |
| 1C-17J-JNCS-60 | installation of traffic light control - Junction 28 part1 | 23-Jul-13 | 4 | 26-Jul-13 | 0% | 262 |
| **Phase 3 Stage 1** | | 20-Mar-13 | 70 | 01-Jul-13 | | 281 |
| 1C-17J-TRCK-170 | Dummy | 20-Mar-13 | 70 | 01-Jul-13 | 0% | 54 |
| 1C-17J-TRCK-70(3) | Set Track (Dummy) | 10-May-13 | 14 | 31-May-13 | 0% | 251 |
| 1C-17I-JNCS-60 | installation of traffic light control - Junction 27 part2 | 03-Jun-13 | 4 | 06-Jun-13 | 0% | 298 |
| **Picardy Place Tram Stop** | | 18-Feb-11 | 615 | 09-Aug-13 | | 253 |
| 1A-24-CHGE-270 | Agreement of Change (BDDI-IFC) - Picardy Pl TS | 18-Feb-11 | 0 | 18-Feb-11 | 0% | 545 |
| 1C-17-TRMS-90 | Civil Engineering And Building Works | 09-Jan-13 | 65 | 11-Apr-13 | 0% | 98 |
| 1C-17-TRMS-20 | Order REC Supply | 24-Jan-13 | 0 | | 0% | 391 |
| 1C-17-TRMS-30 | Access for visual inspection for E&M Tram Stop installation (01C Picardy Place) | 19-Feb-13 | 0 | | 0% | 389 |
| 1C-17-TRMS-40 | Deliver and Install Shelter | 06-Mar-13 | 10 | 20-Mar-13 | 0% | 98 |
| 1C-17-TRMS-31 | Access for E&M Tram Stop installation (01C Picardy Place) | 20-Mar-13 | 0 | | 0% | 311 |
| 1C-17-TRMS-45 | Deliver and Install cubicle | 08-May-13 | 10 | 22-May-13 | 0% | 65 |
| 1C-17-TRMS-50 | Install LV Power Supply and LV Power Equipment | 22-May-13 | 25 | 27-Jun-13 | 0% | 211 |
| 1C-17-TRMS-70 | Install Telecon Equipment | 28-Jun-13 | 20 | 25-Jul-13 | 0% | 263 |
| 1C-17-TRMS-60 | Install Station Control Equipment + AFC Equipment | 28-Jun-13 | 25 | 01-Aug-13 | 0% | 253 |
| 1C-17-TRMS-80 | Package Test Tramstop | 02-Aug-13 | 5 | 09-Aug-13 | 0% | 253 |
| **Cathedral SubStation** | | 18-Feb-11 | 326 | 12-Jun-12 | | 542 |
| 1A-24-CHGE-280 | Agreement of Change (BDDI-IFC) - Cathedral SS | 18-Feb-11 | 0 | 18-Feb-11 | 0% | 671 |
| 1C-17-SUBS-90 | Civil Engineering and Building Works | 27-Jul-11 | 65 | 10-Jan-12 | 0% | 470 |
| 1C-17-SUBS-30 | Access for visual inspection forE&M substation installation (01C Cathredral) | 12-Dec-11 | 0 | | 0% | 685 |
| 1C-17-SUBS-100 | cable duct for Power Infeed | 09-Jan-12 | 5 | 13-Jan-12 | 0% | 552 |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0136

**Update Programme**

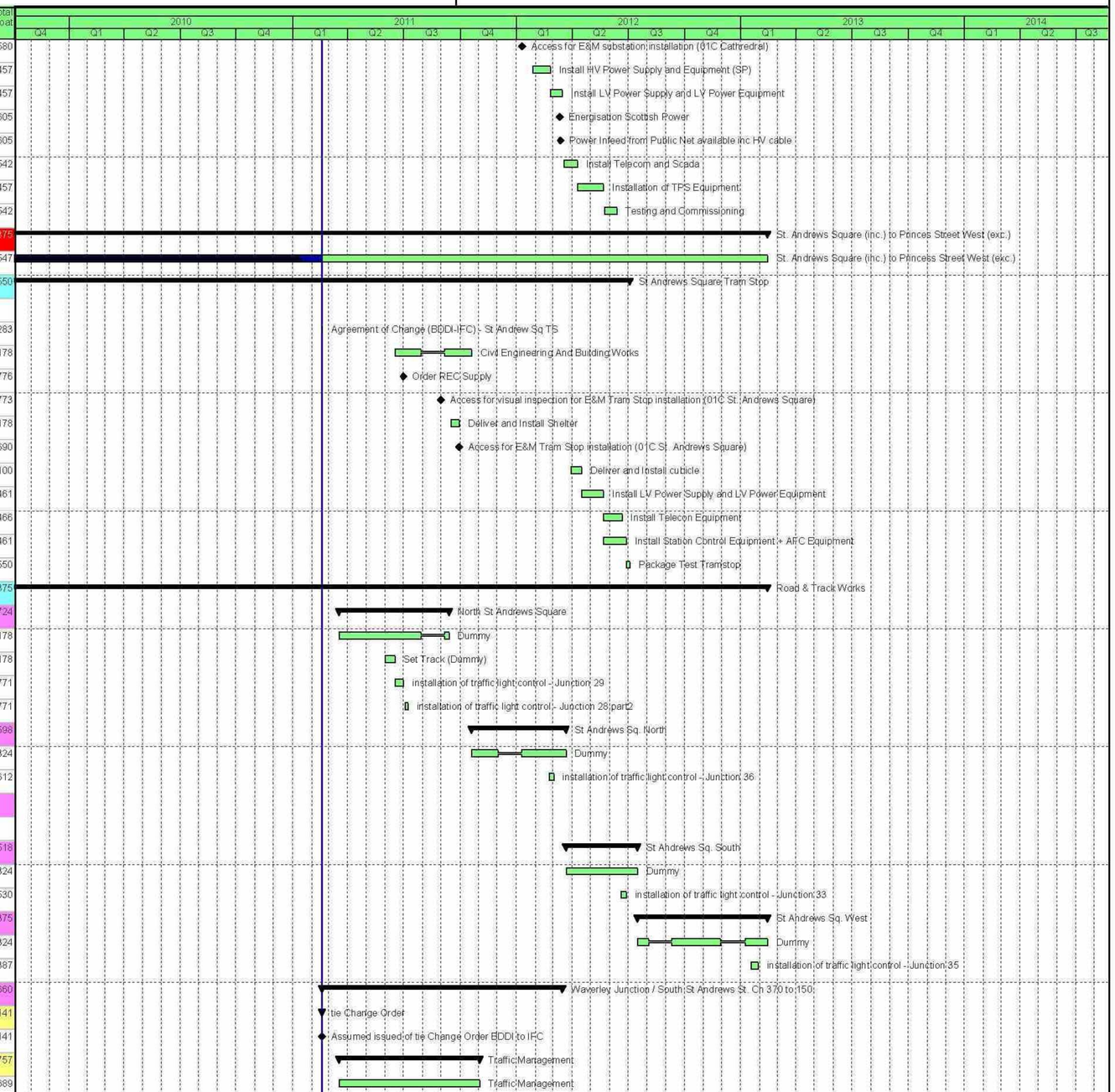
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1C-17-SUBS-31 | Access for E&M substation installation (01C Cathredral) | 10-Jan-12 | 0 | | 0% | 580 |
| 1C-17-SUBS-45 | Install HV Power Supply and Equipment (SP) | 27-Jan-12 | 20 | 24-Feb-12 | 0% | 457 |
| 1C-17-SUBS-50 | Install LV Power Supply and LV Power Equipment | 24-Feb-12 | 15 | 16-Mar-12 | 0% | 457 |
| 1C-17-SUBS-55 | Energisation Scottish Power | 12-Mar-12 | 0 | | 0% | 605 |
| 1C-17-SUBS-40 | Power Infeed from Public Net available inc HV cable | 13-Mar-12 | 0 | | 0% | 605 |
| 1C-17-SUBS-70 | Install Telecom and Scada | 19-Mar-12 | 15 | 09-Apr-12 | 0% | 542 |
| 1C-17-SUBS-60 | Installation of TPS Equipment | 09-Apr-12 | 30 | 22-May-12 | 0% | 457 |
| 1C-17-SUBS-80 | Testing and Commissioning | 23-May-12 | 14 | 12-Jun-12 | 0% | 542 |
| **St. Andrews Square (inc.) to Princes Street West (exc.)** | | 12-Dec-08 A | 983 | 14-Feb-13 | | 375 |
| 46 | St. Andrews Square (inc.) to Princess Street West (exc.) | 12-Dec-08 A | 1456 | 14-Feb-13 | 50% | 547 |
| **St Andrews Square Tram Stop** | | 18-Feb-09 A | 832 | 04-Jul-12 | | 550 |
| 12260 | Issue Construction Drawings | | 0 | 18-Feb-09 A | 100% | |
| 1A-24-CHGE-290 | Agreement of Change (BDDI-IFC) - St Andrew Sq TS | 18-Feb-11 | 0 | 18-Feb-11 | 0% | 283 |
| 1C-16-TRMS-90 | Civil Engineering And Building Works | 16-Jun-11 | 65 | 20-Oct-11 | 0% | 178 |
| 1C-16-TRMS-20 | Order REC Supply | 01-Jul-11 | 0 | | 0% | 776 |
| 1C-16-TRMS-30 | Access for visual inspection for E&M Tram Stop installation (01C St. Andrews Square) | 31-Aug-11 | 0 | | 0% | 773 |
| 1C-16-TRMS-40 | Deliver and Install Shelter | 15-Sep-11 | 10 | 29-Sep-11 | 0% | 178 |
| 1C-16-TRMS-31 | Access for E&M Tram Stop installation (01C St. Andrews Square) | 29-Sep-11 | 0 | | 0% | 690 |
| 1C-16-TRMS-45 | Deliver and Install cubicle | 30-Mar-12 | 10 | 16-Apr-12 | 0% | 100 |
| 1C-16-TRMS-50 | Install LV Power Supply and LV Power Equipment | 16-Apr-12 | 25 | 22-May-12 | 0% | 461 |
| 1C-16-TRMS-70 | Install Telecon Equipment | 22-May-12 | 20 | 20-Jun-12 | 0% | 466 |
| 1C-16-TRMS-60 | Install Station Control Equipment + AFC Equipment | 22-May-12 | 25 | 27-Jun-12 | 0% | 461 |
| 1C-16-TRMS-80 | Package Test Tramstop | 27-Jun-12 | 5 | 04-Jul-12 | 0% | 550 |
| **Road & Track Works** | | 12-Dec-08 A | 983 | 14-Feb-13 | | 375 |
| **North St Andrews Square** | | 17-Mar-11 | 124 | 13-Sep-11 | | 724 |
| 1C-16-TRCK-170 | Dummy | 17-Mar-11 | 100 | 13-Sep-11 | 0% | 178 |
| 1C-16B-TRCK-70 | Set Track (Dummy) | 31-May-11 | 12 | 16-Jun-11 | 0% | 178 |
| 1C-17K-JNCS-70 | installation of traffic light control - Junction 29 | 17-Jun-11 | 11 | 01-Jul-11 | 0% | 771 |
| 1C-17K-JNCS-60 | installation of traffic light control - Junction 28 part2 | 04-Jul-11 | 4 | 07-Jul-11 | 0% | 771 |
| **St Andrews Sq. North** | | 20-Oct-11 | 99 | 21-Mar-12 | | 598 |
| 1C-16-TRCK-180 | Dummy | 20-Oct-11 | 80 | 21-Mar-12 | 0% | 324 |
| 1C-17K-JNCS-90 | installation of traffic light control - Junction 36 | 23-Feb-12 | 6 | 01-Mar-12 | 0% | 612 |
| **Design** | | 12-Dec-08 A | 0 | 12-Dec-08 A | | |
| 12240 | Issue Construction Drawings | | 0 | 12-Dec-08 A | 100% | |
| **St Andrews Sq. South** | | 21-Mar-12 | 80 | 16-Jul-12 | | 518 |
| 1C-16-TRCK-190 | Dummy | 21-Mar-12 | 80 | 16-Jul-12 | 0% | 324 |
| 1C-16A-JNCS-70 | installation of traffic light control - Junction 33 | 19-Jun-12 | 8 | 28-Jun-12 | 0% | 530 |
| **St Andrews Sq. West** | | 16-Jul-12 | 143 | 14-Feb-13 | | 375 |
| 1C-16-TRCK-200 | Dummy | 16-Jul-12 | 100 | 14-Feb-13 | 0% | 324 |
| 1C-17K-JNCS-80 | installation of traffic light control - Junction 35 | 18-Jan-13 | 8 | 29-Jan-13 | 0% | 387 |
| **Waverley Junction / South St Andrews St. Ch 370 to 150** | | 18-Feb-11 | 266 | 15-Mar-12 | | 660 |
| **tie Change Order** | | 18-Feb-11 | 0 | 18-Feb-11 | | 141 |
| 1C-16-SAS-160 | Assumed issued of tie Change Order BDDI to IFC | 18-Feb-11* | 0 | | 0% | 141 |
| **Traffic Management** | | 18-Mar-11 | 159 | 02-Nov-11 | | 757 |
| 144 | Traffic Management | 18-Mar-11 | 159 | 02-Nov-11 | 0% | 689 |

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| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0137

**Update Programme**

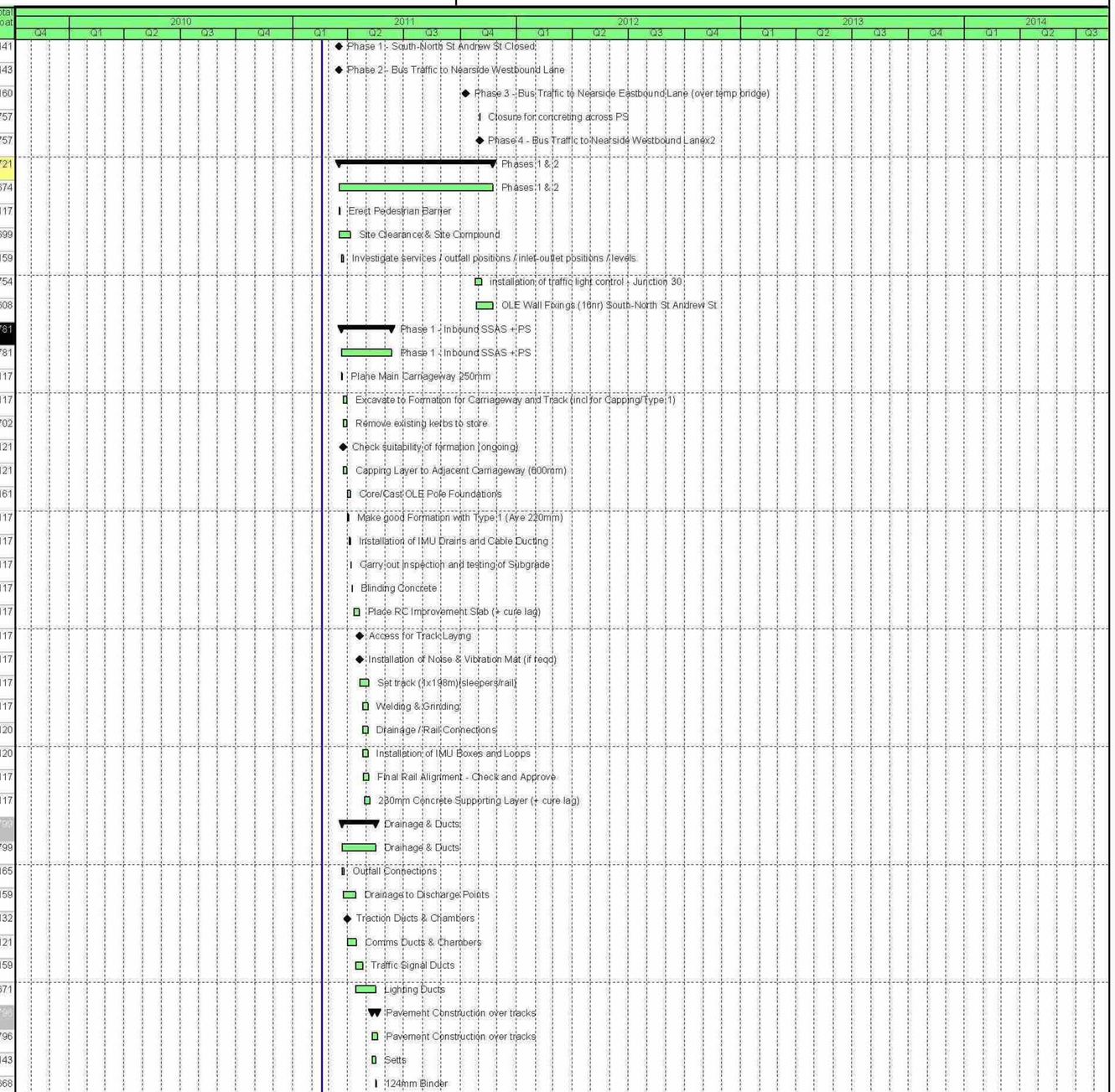
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1C-16-SAS-135 | Phase 1 - South-North St Andrew St Closed | 18-Mar-11 | 0 | | 0% | 141 |
| 1C-16-SAS-156 | Phase 2 - Bus Traffic to Nearside Westbound Lane | 18-Mar-11 | 0 | | 0% | 143 |
| 1C-16-SAS-167 | Phase 3 - Bus Traffic to Nearside Eastbound Lane (over temp bridge) | 10-Oct-11 | 0 | | 0% | 160 |
| 1C-16-SAS-168 | Closure for concreting across PS | 01-Nov-11 | 1 | 01-Nov-11 | 0% | 757 |
| 1C-16-SAS-159 | Phase 4 - Bus Traffic to Nearside Westbound Lanex2 | 02-Nov-11 | 0 | | 0% | 757 |
| **Phases 1 & 2** | | 18-Mar-11 | 174 | 22-Nov-11 | | 721 |
| 141 | Phases 1 & 2 | 18-Mar-11* | 174 | 22-Nov-11 | 0% | 674 |
| 1C-16A-SAS1-252 | Erect Pedestrian Barrier | 18-Mar-11* | 1 | 18-Mar-11 | 0% | 117 |
| 1C-16A-SAS1-143 | Site Clearance & Site Compound | 18-Mar-11 | 12 | 04-Apr-11 | 0% | 699 |
| 1C-16A-SAS1-244 | Investigate services / outfall positions / inlet-outlet positions / levels | 21-Mar-11 | 4 | 24-Mar-11 | 0% | 159 |
| 1C-16A-JNCS-60 | installation of traffic light control - Junction 30 | 26-Oct-11 | 8 | 04-Nov-11 | 0% | 754 |
| 1C-16A-SAS1-233 | OLE Wall Fixings (16nr) South-North St Andrew St | 26-Oct-11 | 16 | 22-Nov-11 | 0% | 608 |
| **Phase 1 - Inbound SSAS + PS** | | 21-Mar-11 | 57 | 10-Jun-11 | | 781 |
| 145 | Phase 1 - Inbound SSAS + PS | 21-Mar-11 | 57 | 10-Jun-11 | 0% | 781 |
| 1C-16A-SAS1-166 | Plane Main Carriageway 250mm | 21-Mar-11 | 3 | 23-Mar-11 | 0% | 117 |
| 1C-16A-SAS1-165 | Excavate to Formation for Carriageway and Track (incl for Capping/Type 1) | 24-Mar-11 | 5 | 30-Mar-11 | 0% | 117 |
| 1C-16A-SAS1-176 | Remove existing kerbs to store | 24-Mar-11 | 5 | 30-Mar-11 | 0% | 702 |
| 1C-16A-SAS1-247 | Check suitability of formation (ongoing) | 24-Mar-11 | 0 | | 0% | 121 |
| 1C-16A-SAS1-248 | Capping Layer to Adjacent Carriageway (600mm) | 24-Mar-11 | 5 | 30-Mar-11 | 0% | 121 |
| 1C-16A-SAS1-154 | Core/Cast OLE Pole Foundations | 31-Mar-11 | 3 | 04-Apr-11 | 0% | 161 |
| 1C-16A-SAS1-239 | Make good Formation with Type 1 (Ave 220mm) | 31-Mar-11 | 2 | 01-Apr-11 | 0% | 117 |
| 1C-16A-SAS1-370 | Installation of IMU Drains and Cable Ducting | 04-Apr-11 | 2 | 05-Apr-11 | 0% | 117 |
| 1C-16A-SAS1-171 | Carry out inspection and testing of Subgrade | 06-Apr-11 | 1 | 06-Apr-11 | 0% | 117 |
| 1C-16A-SAS1-172 | Blinding Concrete | 07-Apr-11 | 2 | 08-Apr-11 | 0% | 117 |
| 1C-16A-SAS1-163 | Place RC Improvement Slab (+ cure lag) | 11-Apr-11 | 6 | 18-Apr-11 | 0% | 117 |
| 1C-16A-SAS1-174 | Access for Track Laying | 21-Apr-11 | 0 | | 0% | 117 |
| 1C-16A-SAS1-175 | Installation of Noise & Vibration Mat (if reqd) | 21-Apr-11 | 0 | | 0% | 117 |
| 1C-16A-TRCK-70 | Set track (1x198m)(sleepers/rail) | 21-Apr-11 | 8 | 04-May-11 | 0% | 117 |
| 1C-16A-SAS1-257 | Welding & Grinding | 25-Apr-11 | 6 | 03-May-11 | 0% | 117 |
| 1C-16A-SAS1-258 | Drainage / Rail Connections | 25-Apr-11 | 6 | 03-May-11 | 0% | 120 |
| 1C-16A-SAS1-249 | Installation of IMU Boxes and Loops | 25-Apr-11 | 6 | 03-May-11 | 0% | 120 |
| 1C-16A-SAS1-380 | Final Rail Alignment - Check and Approve | 26-Apr-11 | 6 | 04-May-11 | 0% | 117 |
| 1C-16A-SAS1-241 | 230mm Concrete Supporting Layer (+ cure lag) | 28-Apr-11 | 6 | 06-May-11 | 0% | 117 |
| **Drainage & Ducts** | | 23-Mar-11 | 37 | 16-May-11 | | 799 |
| 237 | Drainage & Ducts | 23-Mar-11 | 37 | 16-May-11 | 0% | 799 |
| 1C-16A-SAS1-238 | Outfall Connections | 23-Mar-11 | 3 | 25-Mar-11 | 0% | 165 |
| 1C-16A-SAS1-169 | Drainage to Discharge Points | 25-Mar-11 | 14 | 13-Apr-11 | 0% | 159 |
| 1C-16A-SAS1-360 | Traction Ducts & Chambers | 31-Mar-11 | 0 | | 0% | 132 |
| 1C-16A-SAS1-161 | Comms Ducts & Chambers | 31-Mar-11 | 11 | 14-Apr-11 | 0% | 121 |
| 1C-16A-SAS1-162 | Traffic Signal Ducts | 14-Apr-11 | 7 | 25-Apr-11 | 0% | 159 |
| 1C-16A-SAS1-153 | Lighting Ducts | 14-Apr-11 | 21 | 16-May-11 | 0% | 671 |
| **Pavement Construction over tracks** | | 10-May-11 | 8 | 19-May-11 | | 796 |
| 242 | Pavement Construction over tracks | 10-May-11 | 8 | 19-May-11 | 0% | 796 |
| 1C-16A-SAS1-173 | Setts | 10-May-11 | 5 | 16-May-11 | 0% | 143 |
| 1C-16A-SAS1-234 | 124mm Binder | 16-May-11 | 2 | 17-May-11 | 0% | 668 |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0138

**Update Programme**

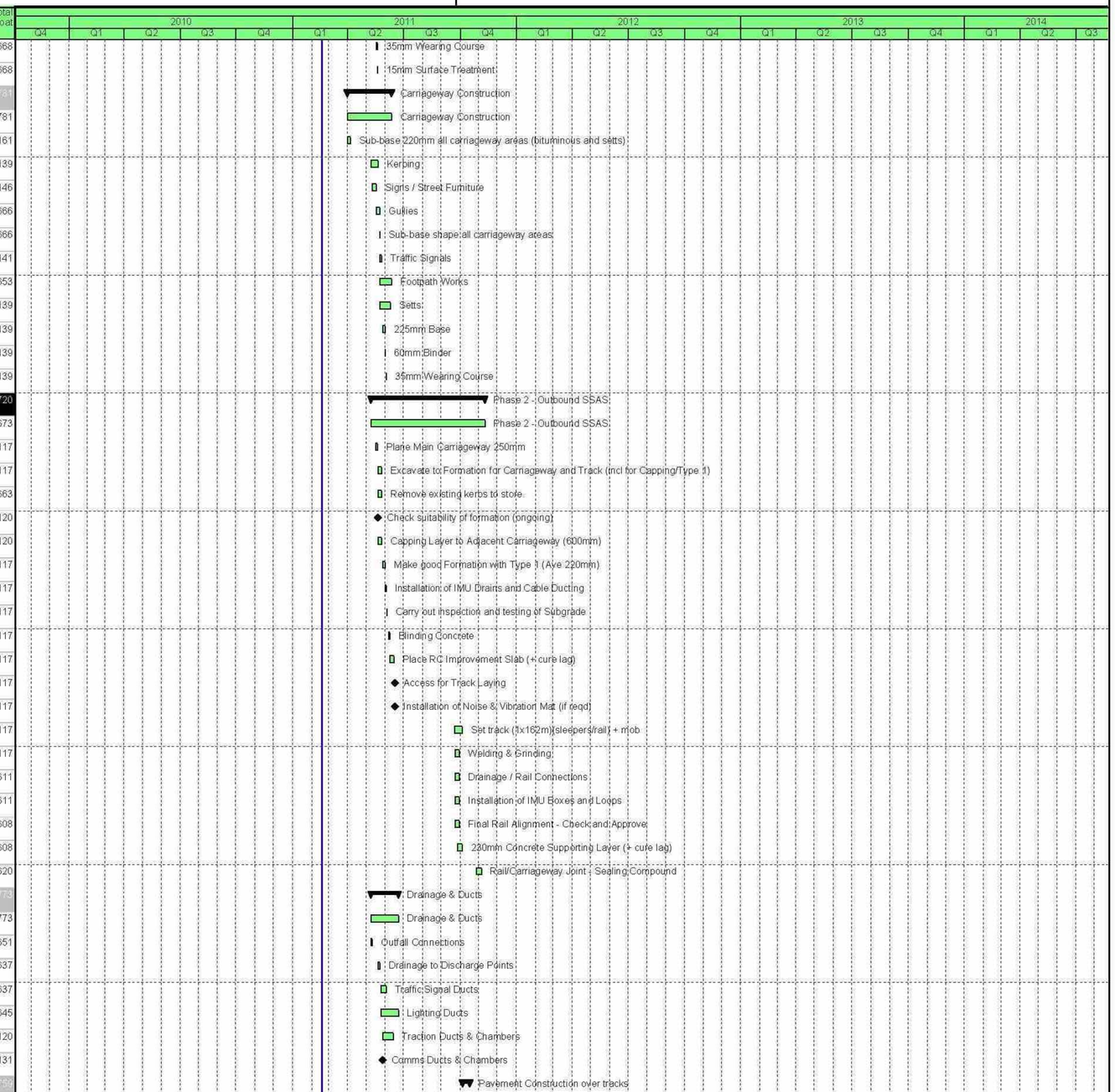
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1C-16A-SAS1-235 | 35mm Wearing Course | 18-May-11 | 1 | 18-May-11 | 0% | 668 |
| 1C-16A-SAS1-256 | 15mm Surface Treatment | 19-May-11 | 1 | 19-May-11 | 0% | 668 |
| **Carriageway Construction** | | 31-Mar-11 | 49 | 10-Jun-11 | | 781 |
| 177 | Carriageway Construction | 31-Mar-11 | 49 | 10-Jun-11 | 0% | 781 |
| 1C-16A-SAS1-178 | Sub-base 220mm all carriageway areas (bituminous and setts) | 31-Mar-11 | 3 | 04-Apr-11 | 0% | 161 |
| 1C-16A-SAS1-179 | Kerbing | 09-May-11 | 10 | 20-May-11 | 0% | 139 |
| 1C-16A-SAS1-181 | Signs / Street Furniture | 11-May-11 | 5 | 17-May-11 | 0% | 146 |
| 1C-16A-SAS1-350 | Gullies | 17-May-11 | 5 | 23-May-11 | 0% | 666 |
| 1C-16A-SAS1-182 | Sub-base shape all carriageway areas | 23-May-11 | 1 | 23-May-11 | 0% | 666 |
| 1C-16A-SAS1-183 | Traffic Signals | 23-May-11 | 4 | 26-May-11 | 0% | 141 |
| 1C-16A-SAS1-184 | Footpath Works | 23-May-11 | 14 | 10-Jun-11 | 0% | 653 |
| 1C-16A-SAS1-185 | Setts | 23-May-11 | 13 | 09-Jun-11 | 0% | 139 |
| 1C-16A-SAS1-236 | 225mm Base | 27-May-11 | 2 | 31-May-11 | 0% | 139 |
| 1C-16A-SAS1-187 | 60mm Binder | 01-Jun-11 | 1 | 01-Jun-11 | 0% | 139 |
| 1C-16A-SAS1-188 | 35mm Wearing Course | 02-Jun-11 | 1 | 02-Jun-11 | 0% | 139 |
| **Phase 2 - Outbound SSAS** | | 09-May-11 | 132 | 10-Nov-11 | | 720 |
| 189 | Phase 2 - Outbound SSAS | 09-May-11 | 132 | 10-Nov-11 | 0% | 673 |
| 1C-16C-SAS2-320 | Plane Main Carriageway 250mm | 16-May-11 | 4 | 19-May-11 | 0% | 117 |
| 1C-16C-SAS2-198 | Excavate to Formation for Carriageway and Track (incl for Capping/Type 1) | 20-May-11 | 5 | 26-May-11 | 0% | 117 |
| 1C-16C-SAS2-199 | Remove existing kerbs to store | 20-May-11 | 5 | 26-May-11 | 0% | 663 |
| 1C-16C-SAS2-330 | Check suitability of formation (ongoing) | 20-May-11 | 0 | | 0% | 120 |
| 1C-16C-SAS2-201 | Capping Layer to Adjacent Carriageway (600mm) | 20-May-11 | 5 | 26-May-11 | 0% | 120 |
| 1C-16C-SAS2-202 | Make good Formation with Type 1 (Ave 220mm) | 27-May-11 | 2 | 31-May-11 | 0% | 117 |
| 1C-16C-SAS2-203 | Installation of IMU Drains and Cable Ducting | 01-Jun-11 | 2 | 02-Jun-11 | 0% | 117 |
| 1C-16C-SAS2-204 | Carry out inspection and testing of Subgrade | 03-Jun-11 | 1 | 03-Jun-11 | 0% | 117 |
| 1C-16C-SAS2-205 | Blinding Concrete | 06-Jun-11 | 2 | 07-Jun-11 | 0% | 117 |
| 1C-16C-SAS2-206 | Place RC Improvement Slab (+ cure lag) | 08-Jun-11 | 5 | 14-Jun-11 | 0% | 117 |
| 1C-16C-SAS2-207 | Access for Track Laying | 17-Jun-11 | 0 | | 0% | 117 |
| 1C-16C-SAS2-208 | Installation of Noise & Vibration Mat (if reqd) | 17-Jun-11 | 0 | | 0% | 117 |
| 1C-16C-TRCK-70 | Set track (1x162m)(sleepers/rail) + mob | 21-Sep-11 | 9 | 04-Oct-11 | 0% | 117 |
| 1C-16C-SAS2-340 | Welding & Grinding | 22-Sep-11 | 5 | 29-Sep-11 | 0% | 117 |
| 1C-16C-SAS2-211 | Drainage / Rail Connections | 22-Sep-11 | 5 | 29-Sep-11 | 0% | 611 |
| 1C-16C-SAS2-212 | Installation of IMU Boxes and Loops | 22-Sep-11 | 5 | 29-Sep-11 | 0% | 611 |
| 1C-16C-SAS2-213 | Final Rail Alignment - Check and Approve | 23-Sep-11 | 5 | 30-Sep-11 | 0% | 608 |
| 1C-16C-SAS2-214 | 230mm Concrete Supporting Layer (+ cure lag) | 27-Sep-11 | 5 | 04-Oct-11 | 0% | 608 |
| 1C-16C-SAS2-232 | Rail/Carriageway Joint - Sealing Compound | 26-Oct-11 | 4 | 04-Nov-11 | 0% | 620 |
| **Drainage & Ducts** | | 09-May-11 | 32 | 22-Jun-11 | | 773 |
| 191 | Drainage & Ducts | 09-May-11 | 32 | 22-Jun-11 | 0% | 773 |
| 1C-16C-SAS2-192 | Outfall Connections | 09-May-11 | 2 | 10-May-11 | 0% | 651 |
| 1C-16C-SAS2-193 | Drainage to Discharge Points | 20-May-11 | 2 | 23-May-11 | 0% | 637 |
| 1C-16C-SAS2-196 | Traffic Signal Ducts | 24-May-11 | 7 | 02-Jun-11 | 0% | 637 |
| 1C-16C-SAS2-197 | Lighting Ducts | 24-May-11 | 21 | 22-Jun-11 | 0% | 645 |
| 1C-16C-SAS2-194 | Traction Ducts & Chambers | 27-May-11 | 11 | 13-Jun-11 | 0% | 120 |
| 1C-16C-SAS2-195 | Comms Ducts & Chambers | 27-May-11 | 0 | | 0% | 131 |
| **Pavement Construction over tracks** | | 05-Oct-11 | 8 | 17-Oct-11 | | 752 |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0139

**Update Programme**

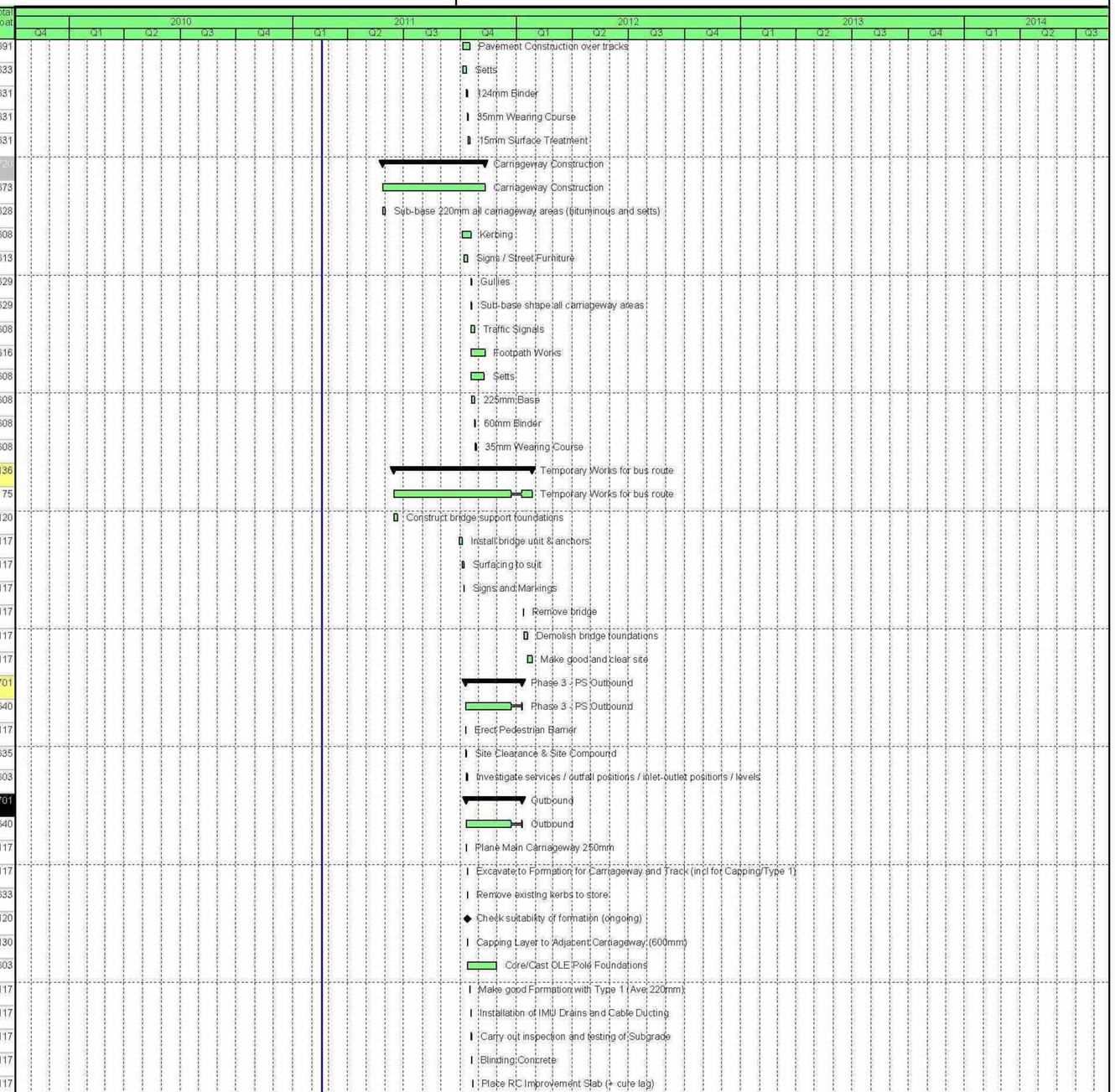
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 215 | Pavement Construction over tracks | 05-Oct-11 | 8 | 17-Oct-11 | 0% | 691 |
| 1C-16C-SAS2-216 | Setts | 05-Oct-11 | 4 | 11-Oct-11 | 0% | 633 |
| 1C-16C-SAS2-217 | 124mm Binder | 11-Oct-11 | 2 | 13-Oct-11 | 0% | 631 |
| 1C-16C-SAS2-218 | 35mm Wearing Course | 13-Oct-11 | 1 | 14-Oct-11 | 0% | 631 |
| 1C-16C-SAS2-219 | 15mm Surface Treatment | 14-Oct-11 | 1 | 17-Oct-11 | 0% | 631 |
| Carriageway Construction | | 27-May-11 | 118 | 10-Nov-11 | | 720 |
| 250 | Carriageway Construction | 27-May-11 | 118 | 10-Nov-11 | 0% | 673 |
| 1C-16C-SAS2-221 | Sub-base 220mm all carriageway areas (bituminous and setts) | 27-May-11 | 3 | 01-Jun-11 | 0% | 628 |
| 1C-16C-SAS2-222 | Kerbing | 04-Oct-11 | 10 | 18-Oct-11 | 0% | 608 |
| 1C-16C-SAS2-224 | Signs / Street Furniture | 06-Oct-11 | 5 | 13-Oct-11 | 0% | 613 |
| 1C-16C-SAS2-223 | Gullies | 18-Oct-11 | 1 | 19-Oct-11 | 0% | 629 |
| 1C-16C-SAS2-225 | Sub-base shape all carriageway areas | 18-Oct-11 | 1 | 19-Oct-11 | 0% | 629 |
| 1C-16C-SAS2-226 | Traffic Signals | 18-Oct-11 | 4 | 24-Oct-11 | 0% | 608 |
| 1C-16C-SAS2-227 | Footpath Works | 18-Oct-11 | 14 | 10-Nov-11 | 0% | 616 |
| 1C-16C-SAS2-228 | Setts | 18-Oct-11 | 13 | 09-Nov-11 | 0% | 608 |
| 1C-16C-SAS2-229 | 225mm Base | 20-Oct-11 | 2 | 24-Oct-11 | 0% | 608 |
| 1C-16C-SAS2-290 | 60mm Binder | 24-Oct-11 | 1 | 25-Oct-11 | 0% | 608 |
| 1C-16C-SAS2-231 | 35mm Wearing Course | 25-Oct-11 | 1 | 26-Oct-11 | 0% | 608 |
| **Temporary Works for bus route** | | 15-Jun-11 | 150 | 25-Jan-12 | | 136 |
| 254 | Temporary Works for bus route | 15-Jun-11 | 150 | 25-Jan-12 | 0% | 75 |
| 1C-16C-SAS2-265 | Construct bridge support foundations | 15-Jun-11 | 5 | 21-Jun-11 | 0% | 120 |
| 1C-16C-SAS2-266 | Install bridge unit & anchors | 29-Sep-11 | 3 | 04-Oct-11 | 0% | 117 |
| 1C-16C-SAS2-267 | Surfacing to suit | 04-Oct-11 | 2 | 06-Oct-11 | 0% | 117 |
| 1C-16C-SAS2-268 | Signs and Markings | 06-Oct-11 | 1 | 07-Oct-11 | 0% | 117 |
| 1C-16C-SAS2-259 | Remove bridge | 12-Jan-12 | 1 | 12-Jan-12 | 0% | 117 |
| 1C-16C-SAS2-390 | Demolish bridge foundations | 13-Jan-12 | 4 | 18-Jan-12 | 0% | 117 |
| 1C-16C-SAS2-251 | Make good and clear site | 19-Jan-12 | 5 | 25-Jan-12 | 0% | 117 |
| **Phase 3 - PS Outbound** | | 10-Oct-11 | 57 | 10-Jan-12 | | 701 |
| 243 | Phase 3 - PS Outbound | 10-Oct-11 | 57 | 10-Jan-12 | 0% | 640 |
| 1C-16D-SAS3-304 | Erect Pedestrian Barrier | 10-Oct-11 | 1 | 10-Oct-11 | 0% | 117 |
| 1C-16D-SAS3-345 | Site Clearance & Site Compound | 10-Oct-11 | 2 | 11-Oct-11 | 0% | 635 |
| 1C-16D-SAS3-316 | Investigate services / outfall positions / inlet-outlet positions / levels | 11-Oct-11 | 2 | 12-Oct-11 | 0% | 603 |
| **Outbound** | | 11-Oct-11 | 56 | 10-Jan-12 | | 701 |
| 277 | Outbound | 11-Oct-11 | 56 | 10-Jan-12 | 0% | 640 |
| 1C-16D-SAS3-278 | Plane Main Carriageway 250mm | 11-Oct-11 | 1 | 11-Oct-11 | 0% | 117 |
| 1C-16D-SAS3-285 | Excavate to Formation for Carriageway and Track (incl for Capping/Type 1) | 12-Oct-11 | 2 | 13-Oct-11 | 0% | 117 |
| 1C-16D-SAS3-276 | Remove existing kerbs to store | 12-Oct-11 | 2 | 13-Oct-11 | 0% | 633 |
| 1C-16D-SAS3-287 | Check suitability of formation (ongoing) | 12-Oct-11 | 0 | | 0% | 120 |
| 1C-16D-SAS3-288 | Capping Layer to Adjacent Carriageway (600mm) | 12-Oct-11 | 2 | 13-Oct-11 | 0% | 130 |
| 1C-16D-SAS3-264 | Core/Cast OLE Pole Foundations | 13-Oct-11 | 31 | 29-Nov-11 | 0% | 603 |
| 1C-16D-SAS3-279 | Make good Formation with Type 1 (Ave 220mm) | 17-Oct-11 | 1 | 17-Oct-11 | 0% | 117 |
| 1C-16D-SAS3-410 | Installation of IMU Drains and Cable Ducting | 18-Oct-11 | 1 | 18-Oct-11 | 0% | 117 |
| 1C-16D-SAS3-271 | Carry out inspection and testing of Subgrade | 19-Oct-11 | 1 | 19-Oct-11 | 0% | 117 |
| 1C-16D-SAS3-282 | Blinding Concrete | 20-Oct-11 | 1 | 20-Oct-11 | 0% | 117 |
| 1C-16D-SAS3-263 | Place RC Improvement Slab (+ cure lag) | 21-Oct-11 | 1 | 21-Oct-11 | 0% | 117 |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0140

**Update Programme**

**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

## EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1C-16D-SAS3-284 | Access for Track Laying | 26-Oct-11 | 0 | | 0% | 117 |
| 1C-16D-SAS3-305 | Installation of Noise & Vibration Mat (if reqd) | 26-Oct-11 | 0 | | 0% | 117 |
| 1C-16D-TRCK-70 | Set track (1x44m)(sleepers/rail) + mob | 26-Oct-11 | 7 | 08-Nov-11 | 0% | 117 |
| 1C-16D-SAS3-297 | Welding & Grinding | 27-Oct-11 | 2 | 28-Oct-11 | 0% | 117 |
| 1C-16D-SAS3-298 | Drainage / Rail Connections | 27-Oct-11 | 2 | 28-Oct-11 | 0% | 120 |
| 1C-16D-SAS3-289 | Installation of IMU Boxes and Loops | 27-Oct-11 | 2 | 28-Oct-11 | 0% | 120 |
| 1C-16D-SAS3-420 | Final Rail Alignment - Check and Approve (bridge removed - Friday Nightshift) | 28-Oct-11 | 2 | 31-Oct-11 | 0% | 160 |
| 1C-16D-SAS3-291 | 230mm Concrete Supporting Layer (+ cure lag) (bridge removed) | 01-Nov-11 | 2 | 02-Nov-11 | 0% | 160 |
| 1C-16D-SAS3-308 | Mill Rail Joint / Sealing Compound | 18-Nov-11 | 4 | 23-Nov-11 | 0% | 605 |
| **Drainage & Ducts** | | 11-Oct-11 | 35 | 28-Nov-11 | | 654 |
| 269 | Drainage & Ducts | 11-Oct-11 | 35 | 28-Nov-11 | 0% | 654 |
| 1C-16D-SAS3-400 | Outfall Connections | 11-Oct-11 | 1 | 11-Oct-11 | 0% | 628 |
| 1C-16D-SAS3-261 | Drainage to Discharge Points | 13-Oct-11 | 4 | 18-Oct-11 | 0% | 620 |
| 1C-16D-SAS3-262 | Traffic Signal Ducts | 19-Oct-11 | 2 | 20-Oct-11 | 0% | 620 |
| 1C-16D-SAS3-253 | Lighting Ducts | 14-Nov-11 | 11 | 28-Nov-11 | 0% | 117 |
| **Pavement Construction over tracks** | | 09-Nov-11 | 3 | 14-Nov-11 | | 715 |
| 272 | Pavement Construction over tracks | 09-Nov-11 | 3 | 14-Nov-11 | 0% | 667 |
| 1C-16D-SAS3-273 | 124mm Binder | 09-Nov-11 | 1 | 10-Nov-11 | 0% | 611 |
| 1C-16D-SAS3-274 | 35mm Wearing Course | 10-Nov-11 | 1 | 11-Nov-11 | 0% | 611 |
| 1C-16D-SAS3-275 | 15mm Surface Treatment | 11-Nov-11 | 1 | 14-Nov-11 | 0% | 611 |
| **Carriageway Construction** | | 14-Oct-11 | 53 | 10-Jan-12 | | 707 |
| 296 | Carriageway Construction | 14-Oct-11 | 53 | 10-Jan-12 | 0% | 640 |
| 1C-16D-SAS3-307 | Sub-base 220mm all carriageway areas | 14-Oct-11 | 1 | 14-Oct-11 | 0% | 130 |
| 1C-16D-SAS3-318 | Kerbing - Westbound/Islands/Crossings | 04-Nov-11 | 6 | 11-Nov-11 | 0% | 117 |
| 1C-16D-SAS3-430 | Signs / Street Furniture | 08-Nov-11 | 5 | 14-Nov-11 | 0% | 605 |
| 1C-16D-SAS3-299 | Gullies | 11-Nov-11 | 2 | 14-Nov-11 | 0% | 612 |
| 1C-16D-SAS3-321 | Sub-base shape all carriageway areas | 14-Nov-11 | 1 | 14-Nov-11 | 0% | 612 |
| 1C-16D-SAS3-292 | Traffic Signals | 14-Nov-11 | 2 | 15-Nov-11 | 0% | 605 |
| 1C-16D-SAS3-294 | 225mm Base | 15-Nov-11 | 1 | 15-Nov-11 | 0% | 605 |
| 1C-16D-SAS3-335 | 60mm Binder | 16-Nov-11 | 1 | 16-Nov-11 | 0% | 605 |
| 1C-16D-SAS3-306 | 35mm Wearing Course | 17-Nov-11 | 1 | 17-Nov-11 | 0% | 605 |
| 1C-16D-SAS3-317 | Road Signs and Markings (all except Ph4) | 18-Nov-11 | 4 | 23-Nov-11 | 0% | 605 |
| 1C-16D-SAS3-283 | Footpath Works | 23-Nov-11 | 4 | 28-Nov-11 | 0% | 602 |
| 1C-16D-SAS3-470 | Phase 3 Completed | 29-Nov-11 | 5 | 10-Jan-12 | 0% | 117 |
| **Phase 4 - PS Eastbound Carriageway/Footpaths and Outbound Track** | | 11-Jan-12 | 47 | 15-Mar-12 | | 660 |
| 329 | Phase 4 - PS Eastbound Carriageway/Footpaths and Outbound Track | 11-Jan-12 | 47 | 15-Mar-12 | 0% | 602 |
| 1C-16B-SAS4-460 | Erect Pedestrian Barrier | 11-Jan-12 | 1 | 11-Jan-12 | 0% | 117 |
| 1C-16B-SAS4-341 | Site Clearance | 11-Jan-12 | 2 | 12-Jan-12 | 0% | 135 |
| 1C-16B-JNCS-60 | installation of traffic light control - Junction 32 | 15-Feb-12 | 8 | 24-Feb-12 | 0% | 660 |
| 1C-16C-JNCS-60 | installation of traffic light control - Junction 31 | 27-Feb-12 | 14 | 15-Mar-12 | 0% | 660 |
| **Outbound** | | 26-Jan-12 | 18 | 20-Feb-12 | | 669 |
| 322 | Outbound | 26-Jan-12 | 18 | 20-Feb-12 | 0% | 611 |
| 1C-16B-SAS4-440 | Mill Rail Joint / Sealing Compound | 14-Feb-12 | 1 | 14-Feb-12 | 0% | 559 |
| **Pavement Construction over tracks** | | 09-Feb-12 | 3 | 13-Feb-12 | | 667 |
| 293 | Pavement Construction over tracks | 09-Feb-12 | 3 | 13-Feb-12 | 0% | 602 |

| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0141

**Update Programme**

**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1C-16B-SAS4-324 | 124mm Binder | 09-Feb-12 | 1 | 09-Feb-12 | 0% | 559 |
| 1C-16B-SAS4-355 | 35mm Wearing Course | 10-Feb-12 | 1 | 10-Feb-12 | 0% | 559 |
| 1C-16B-SAS4-326 | 15mm Surface Treatment | 13-Feb-12 | 1 | 13-Feb-12 | 0% | 559 |
| Carriageway Construction | | 26-Jan-12 | 18 | 20-Feb-12 | | 669 |
| 327 | Carriageway Construction | 26-Jan-12 | 18 | 20-Feb-12 | 0% | 611 |
| 1C-16B-SAS4-328 | Sub-base 220mm all carriageway areas | 26-Jan-12 | 1 | 26-Jan-12 | 0% | 117 |
| 1C-16B-SAS4-309 | Kerbing - Eastbound/Islands/Crossings | 27-Jan-12 | 8 | 07-Feb-12 | 0% | 117 |
| 1C-16B-SAS4-332 | Signs / Street Furniture | 31-Jan-12 | 5 | 06-Feb-12 | 0% | 561 |
| 1C-16B-SAS4-303 | Sub-base shape all carriageway areas | 06-Feb-12 | 3 | 08-Feb-12 | 0% | 559 |
| 1C-16B-SAS4-331 | Gullies | 07-Feb-12 | 2 | 08-Feb-12 | 0% | 559 |
| 1C-16B-SAS4-450 | Core/Cast OLE Pole Foundations | 08-Feb-12 | 3 | 10-Feb-12 | 0% | 117 |
| 1C-16B-SAS4-334 | Traffic Signals | 08-Feb-12 | 0 | | 0% | 561 |
| 1C-16B-SAS4-336 | 225mm Base | 08-Feb-12 | 1 | 08-Feb-12 | 0% | 560 |
| 1C-16B-SAS4-337 | 60mm Binder | 09-Feb-12 | 1 | 09-Feb-12 | 0% | 560 |
| 1C-16B-SAS4-338 | 35mm Wearing Course | 10-Feb-12 | 1 | 10-Feb-12 | 0% | 560 |
| 1C-16B-SAS4-365 | Footpath Works | 13-Feb-12 | 6 | 20-Feb-12 | 0% | 117 |
| 1C-16B-SAS4-319 | Road Signs and Markings | 13-Feb-12 | 1 | 13-Feb-12 | 0% | 573 |
| Commissioning and Testing | | 21-Feb-12 | 0 | 21-Feb-12 | | 133 |
| 1C-16-SAS-323 | Commissioning and Testing | 21-Feb-12 | 0 | | 0% | 117 |
| 01D Princes Street (inc.) to Haymarket (exc.) | | 05-Jan-09 A | 1187 | 16-Oct-13 | | 205 |
| 39 | 01D Princess Street (inc.) to Haymarket (exc.) | 05-Jan-09 A | 1746 | 16-Oct-13 | 44.33% | 303 |
| E & M Installation | | 28-Nov-11 | 466 | 16-Oct-13 | | 196 |
| 1D-15-OHLE-30 | Access for visual inspection for E&M wayside installation PST - SHP | 28-Nov-11 | 0 | | 0% | 561 |
| 1D-15-OHLE-31 | Access for E&M wayside installation PST - SHP | 01-Feb-12 | 0 | | 0% | 507 |
| 1D-14-OHLE-30 | Access for visual inspection for E&M wayside installation SHP - HAY | 14-Jun-12 | 0 | | 0% | 447 |
| 1D-14-ELEC-30 | Access for visual inspection to cable pits for cable laying SHP - HAY | 28-Jun-12 | 0 | | 0% | 437 |
| 1D-14/15-OHLE-50(3) | Installation of poles and building fixings -10 (13 0037 - 20 0022) | 13-Jul-12 | 10 | 27-Jul-12 | 0% | 393 |
| 1D-14-OHLE-31 | Access for E&M wayside installation SHP - HAY | 13-Jul-12 | 0 | | 0% | 295 |
| 1D-14/15-OHLE-60(3) | Overhead Catenary Line -10 (13 0037 - 20 0022 + 13 0731 - 13 0810) | 27-Jul-12 | 22 | 04-Oct-12 | 0% | 393 |
| 1D-14-ELEC-31 | Access to cable pits for cable laying SHP - HAY | 27-Jul-12 | 0 | | 0% | 289 |
| 1D-15-ELEC-30 | Access for visual inspection to cable pits for cable laying PST - SHP | 17-Sep-12 | 0 | | 0% | 407 |
| 1D-14-SIGN-40 | Installation of SIG-interlocking cubicle SHP | 18-Sep-12 | 15 | 09-Oct-12 | 0% | 385 |
| 1D-14-SIGN-90 | installation of SIG equipment on crossover SHP | 02-Oct-12 | 5 | 09-Oct-12 | 0% | 385 |
| 1D-14-SIGN-80 | Commissioning of SIG -interlocking cubicle SHP | 09-Oct-12 | 5 | 16-Oct-12 | 0% | 385 |
| 1D-14/15-TELC-70 | Install Fibre Optic Cables PST - SHP - HAY | 16-Oct-12 | 8 | 26-Oct-12 | 0% | 370 |
| 1D-15-SGNW-60 | Install Signalling Wayside Equipment PST - SHP | 16-Oct-12 | 9 | 29-Oct-12 | 0% | 370 |
| 1D-15-ELEC-31 | Access to cable pits for cable laying PST - SHP | 16-Oct-12 | 0 | | 0% | 362 |
| 1D-15/16-TELC-60 | Install Fibre Optic Cables SAS - PST - SHP | 26-Oct-12 | 7 | 06-Nov-12 | 0% | 370 |
| 1D-14-SGNW-60 | Install Signalling Wayside Equipment SHP - HAY | 29-Oct-12 | 6 | 06-Nov-12 | 0% | 370 |
| 1D-13//17-ELEC-60 | Install Electrical Cables CAE - HTE | 13-Sep-13 | 23 | 16-Oct-13 | 0% | 178 |
| Princes Street West (inc.) to Shadwick Place (exc.) | | 05-Jan-09 A | 696 | 21-Oct-11 | | 696 |
| 40 | Princess Street West (inc.) to Shadwick Place (exc.) | 05-Jan-09 A | 696 | 21-Oct-11 | 97.7% | 687 |
| Roadworks | | 05-Jan-09 A | 696 | 21-Oct-11 | | 696 |
| 12270 | Issue Construction Drawings | | 0 | 11-Feb-09 A | 100% | |
| Princes Street Ch 280-0,1980-1360 | | 05-Jan-09 A | 380 | 27-Nov-09 A | | |

| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0142

**Update Programme**

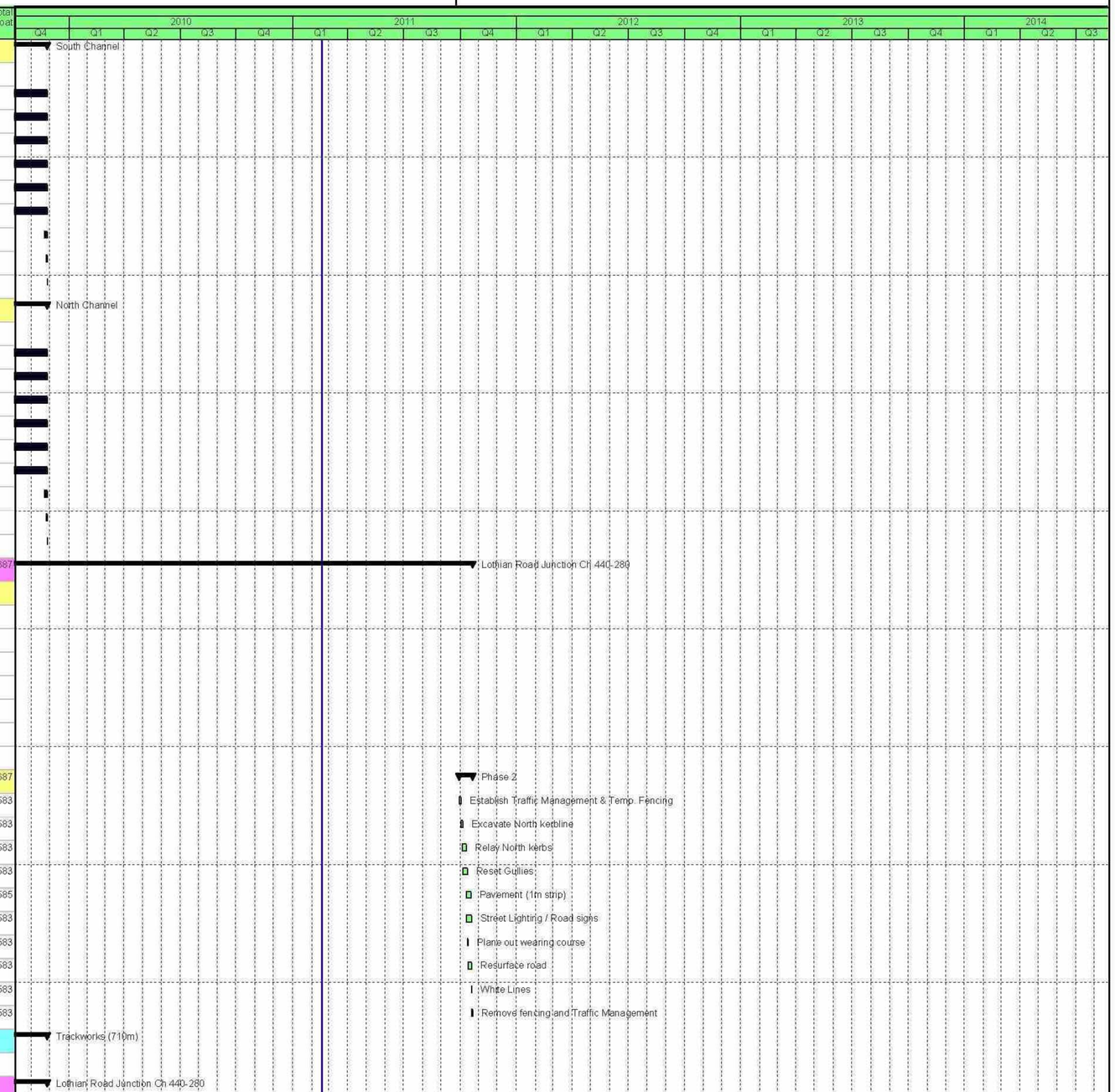
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| **South Channel** | | 05-Jan-09 A | 380 | 27-Nov-09 A | | |
| A13940 | Establish Traffic Management & Temp. Fencing | 05-Jan-09 A | 2 | 23-Mar-09 A | 100% | |
| A13950 | Excavate South kerbline | 07-Sep-09 A | 19 | 27-Nov-09 A | 100% | |
| A13960 | Relay South kerbs | 07-Sep-09 A | 48 | 27-Nov-09 A | 100% | |
| A13970 | Reset Gullies | 07-Sep-09 A | 48 | 27-Nov-09 A | 100% | |
| A13980 | Plane out wearing course | 07-Sep-09 A | 10 | 27-Nov-09 A | 100% | |
| A13990 | Resurface road | 07-Sep-09 A | 30 | 27-Nov-09 A | 100% | |
| A14000 | Pavement (1m strip) | 07-Sep-09 A | 48 | 27-Nov-09 A | 100% | |
| A14020 | Street Lighting / Road signs | 23-Nov-09 A | 5 | 27-Nov-09 A | 100% | |
| A14010 | White Lines | 25-Nov-09 A | 1 | 27-Nov-09 A | 100% | |
| A14030 | Remove fencing and Traffic Management | 27-Nov-09 A | 3 | 27-Nov-09 A | 100% | |
| **North Channel** | | 05-Jan-09 A | 352 | 27-Nov-09 A | | |
| A13840 | Establish Traffic Management & Temp. Fencing | 05-Jan-09 A | 2 | 23-Mar-09 A | 100% | |
| A13850 | Excavate North kerbline | 13-Jul-09 A | 19 | 27-Nov-09 A | 100% | |
| A13860 | Relay North kerbs | 13-Jul-09 A | 48 | 27-Nov-09 A | 100% | |
| A13870 | Reset Gullies | 07-Sep-09 A | 48 | 27-Nov-09 A | 100% | |
| A13890 | Resurface road | 07-Sep-09 A | 7 | 27-Nov-09 A | 100% | |
| A13900 | Pavement (1m strip) | 07-Sep-09 A | 48 | 27-Nov-09 A | 100% | |
| A13880 | Plane out wearing course | 07-Sep-09 A | 10 | 27-Nov-09 A | 100% | |
| A13920 | Street Lighting / Road signs | 23-Nov-09 A | 5 | 27-Nov-09 A | 100% | |
| A13910 | White Lines | 25-Nov-09 A | 1 | 27-Nov-09 A | 100% | |
| A13930 | Remove fencing and Traffic Management | 27-Nov-09 A | 1 | 27-Nov-09 A | 100% | |
| **Lothian Road Junction Ch 440-280** | | 05-Jan-09 A | 696 | 21-Oct-11 | | 687 |
| **Phase 1** | | 05-Jan-09 A | 93 | 20-Mar-09 A | | |
| A8250 | Establish Traffic Management & Temp. Fencing | 05-Jan-09 A | 2 | 20-Mar-09 A | 100% | |
| A8260 | Take down permanent traffic signs / signals | 05-Jan-09 A | 5 | 20-Mar-09 A | 100% | |
| A8280 | Subbase | 05-Jan-09 A | 2 | 20-Mar-09 A | 100% | |
| A8290 | Temporary surfacing | 05-Jan-09 A | 3 | 20-Mar-09 A | 100% | |
| A8300 | Temporary Traffic signals / signs / white lines | 05-Jan-09 A | 5 | 20-Mar-09 A | 100% | |
| A8270 | Excavate traffic islands | 05-Jan-09 A | 3 | 20-Mar-09 A | 100% | |
| A8310 | Remove fencing and Traffic Management | 05-Jan-09 A | 1 | 20-Mar-09 A | 100% | |
| **Phase 2** | | 29-Sep-11 | 16 | 21-Oct-11 | | 687 |
| A8490 | Establish Traffic Management & Temp. Fencing | 29-Sep-11 | 2 | 03-Oct-11 | 0% | 583 |
| A8500 | Excavate North kerbline | 03-Oct-11 | 2 | 05-Oct-11 | 0% | 583 |
| A8510 | Relay North kerbs | 04-Oct-11 | 5 | 11-Oct-11 | 0% | 583 |
| A8520 | Reset Gullies | 05-Oct-11 | 5 | 12-Oct-11 | 0% | 583 |
| A8550 | Pavement (1m strip) | 11-Oct-11 | 5 | 18-Oct-11 | 0% | 585 |
| A8570 | Street Lighting / Road signs | 11-Oct-11 | 7 | 20-Oct-11 | 0% | 583 |
| A8530 | Plane out wearing course | 12-Oct-11 | 2 | 14-Oct-11 | 0% | 583 |
| A8540 | Resurface road | 14-Oct-11 | 3 | 19-Oct-11 | 0% | 583 |
| A8560 | White Lines | 19-Oct-11 | 1 | 20-Oct-11 | 0% | 583 |
| A8670 | Remove fencing and Traffic Management | 20-Oct-11 | 1 | 21-Oct-11 | 0% | 583 |
| **Trackworks (710m)** | | 05-Jan-09 A | 410 | 27-Nov-09 A | | |
| 12280 | Issue Construction Drawings | | 0 | 11-Feb-09 A | 100% | |
| **Lothian Road Junction Ch 440-280** | | 10-Aug-09 A | 198 | 27-Nov-09 A | | |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0143

**Update Programme**

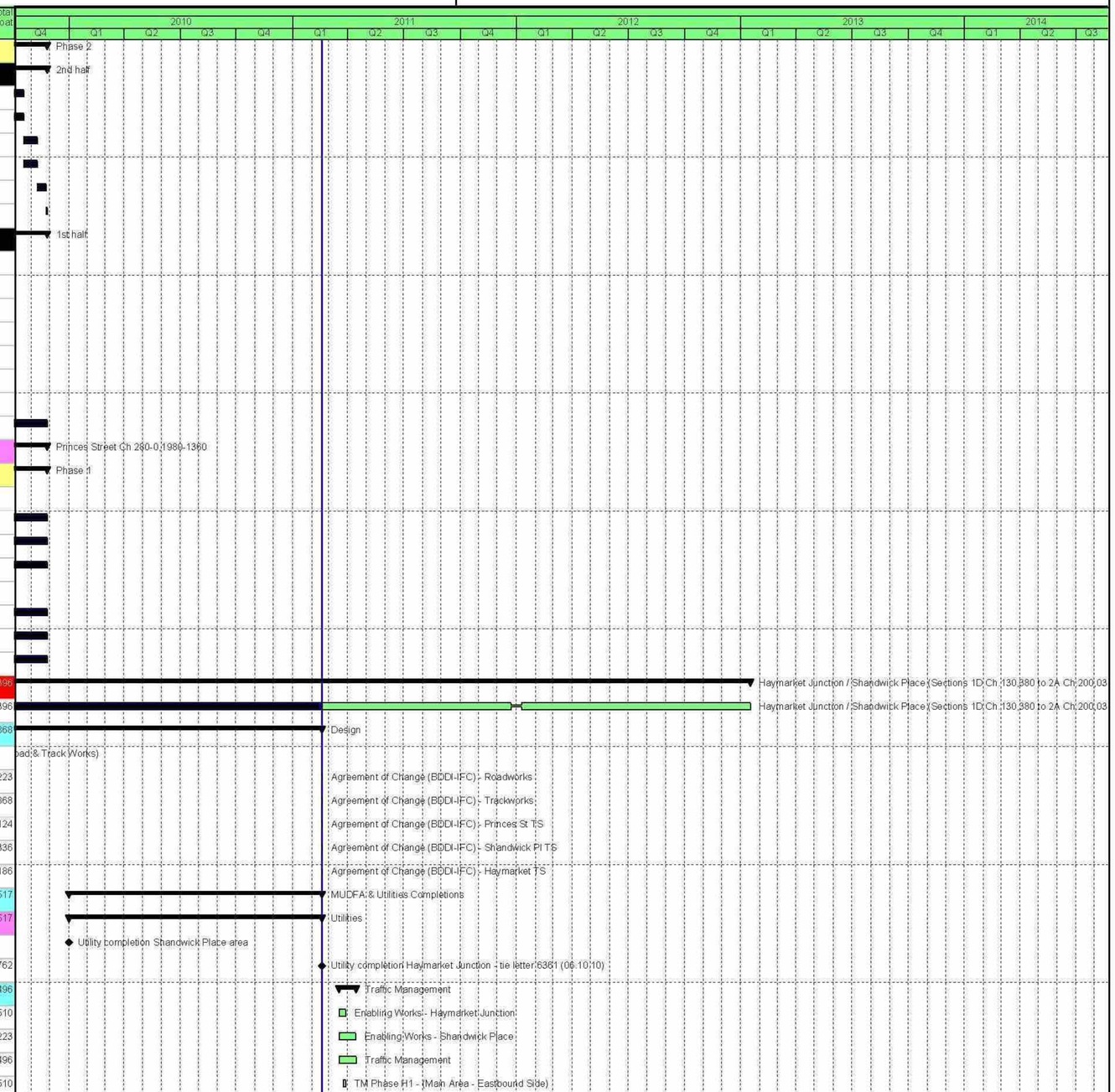
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| **Phase 2** | | 10-Aug-09 A | 198 | 27-Nov-09 A | | |
| **2nd half** | | 10-Aug-09 A | 16 | 27-Nov-09 A | | |
| A8410 | Excavate box | 10-Aug-09 A | 2 | 19-Oct-09 A | 100% | |
| A8420 | Excavate, lay and concrete ducts | 10-Aug-09 A | 3 | 19-Oct-09 A | 100% | |
| 1D-15C-TRCK-70 | Set Track (100m) | 20-Oct-09 A | 4 | 11-Nov-09 A | 100% | |
| A8460 | Place upper concrete and cure | 20-Oct-09 A | 4 | 11-Nov-09 A | 100% | |
| A8470 | Street Surface finishes | 11-Nov-09 A | 3 | 25-Nov-09 A | 100% | |
| A8480 | Remove fencing and Traffic Management | 25-Nov-09 A | 1 | 27-Nov-09 A | 100% | |
| **1st half** | | 10-Aug-09 A | 195 | 27-Nov-09 A | | |
| A8320 | Establish Traffic Management & Temp. Fencing | 10-Aug-09 A | 2 | 11-Aug-09 A | 100% | |
| A8340 | Excavate, lay and concrete ducts | 10-Aug-09 A | 3 | 01-Sep-09 A | 100% | |
| A8350 | Excavate and construct OLE bases | 10-Aug-09 A | 3 | 01-Sep-09 A | 100% | |
| A8330 | Excavate box | 14-Aug-09 A | 2 | 17-Aug-09 A | 100% | |
| 1D-15B-TRCK-69 | Set Track Demob 5B / Remob 1D | 31-Aug-09 A | 3 | 01-Sep-09 A | 100% | |
| 1D-15B-TRCK-70 | Set Track (100m) | 02-Sep-09 A | 4 | 09-Sep-09 A | 100% | |
| A8380 | Place upper concrete and cure | 03-Sep-09 A | 4 | 10-Sep-09 A | 100% | |
| A8390 | Street Surface finishes | 14-Sep-09 A | 3 | 27-Nov-09 A | 100% | |
| **Princes Street Ch 280-0,1980-1360** | | 05-Jan-09 A | 371 | 27-Nov-09 A | | |
| **Phase 1** | | 05-Jan-09 A | 371 | 27-Nov-09 A | | |
| A13760 | Establish Traffic Management & Temp. Fencing | 05-Jan-09 A | 2 | 23-Mar-09 A | 100% | |
| A13770 | Excavate box | 24-Mar-09 A | 36 | 27-Nov-09 A | 100% | |
| A13780 | Excavate, lay and concrete ducts | 17-Apr-09 A | 54 | 27-Nov-09 A | 100% | |
| A13790 | Excavate and construct OLE bases | 13-May-09 A | 54 | 27-Nov-09 A | 100% | |
| 1D-16-TRCK-69 | Set Track Demob 5B / Remob 1C | 04-Jun-09 A | 3 | 05-Jun-09 A | 100% | |
| 1D-16-TRCK-70 | Set Track (950m) | 08-Jun-09 A | 54 | 27-Nov-09 A | 100% | |
| A13820 | Place Upper Concrete and Cure | 01-Jul-09 A | 54 | 27-Nov-09 A | 100% | |
| A13830 | Street Surface finishes | 07-Sep-09 A | 28 | 27-Nov-09 A | 100% | |
| **Haymarket Junction / Shandwick Place (Sections 1D Ch.130,380 to 2A Ch.200,030)** | | 11-Feb-09 A | 962 | 16-Jan-13 | | 396 |
| 1041 | Haymarket Junction / Shandwick Place (Sections 1D Ch.130,380 to 2A Ch.200,030) | 11-Feb-09 A | 962 | 16-Jan-13 | 50.94% | 396 |
| **Design** | | 11-Feb-09 A | 490 | 18-Feb-11 | | 868 |
| 12320 | Issue Construction Drawings (Road & Track Works) | | 0 | 11-Feb-09 A | 100% | |
| 1A-24-CHGE-300 | Agreement of Change (BDDI-IFC) - Roadworks | 18-Feb-11 | 0 | 18-Feb-11 | 0% | 223 |
| 1A-24-CHGE-310 | Agreement of Change (BDDI-IFC) - Trackworks | 18-Feb-11 | 0 | 18-Feb-11 | 0% | 868 |
| 1A-24-CHGE-320 | Agreement of Change (BDDI-IFC) - Princes St TS | 18-Feb-11 | 0 | 18-Feb-11 | 0% | 124 |
| 1A-24-CHGE-330 | Agreement of Change (BDDI-IFC) - Shandwick Pl TS | 18-Feb-11 | 0 | 18-Feb-11 | 0% | 336 |
| 1A-24-CHGE-340 | Agreement of Change (BDDI-IFC) - Haymarket TS | 18-Feb-11 | 0 | 18-Feb-11 | 0% | 186 |
| **MUDFA & Utilities Completions** | | 01-Jan-10 A | 109 | 18-Feb-11 | | 517 |
| **Utilities** | | 01-Jan-10 A | 109 | 18-Feb-11 | | 517 |
| 1D-15-1075 | Utility completion Shandwick Place area | | 0 | 01-Jan-10 A | 100% | |
| 1D-14-1065 | Utility completion Haymarket Junction - tie letter 6361 (06.10.10) | | 0 | 18-Feb-11* | 0% | 762 |
| **Traffic Management** | | 18-Mar-11 | 21 | 15-Apr-11 | | 496 |
| 1D-14-1055 | Enabling Works - Haymarket Junction | 18-Mar-11* | 7 | 28-Mar-11 | 0% | 510 |
| 1D-15-1016 | Enabling Works - Shandwick Place | 18-Mar-11* | 19 | 13-Apr-11 | 0% | 223 |
| 907 | Traffic Management | 18-Mar-11 | 21 | 15-Apr-11 | 0% | 496 |
| 1D-14-H1-928 | TM Phase H1 - (Main Area - Eastbound Side) | 25-Mar-11 | 2 | 28-Mar-11 | 0% | 510 |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0144

**Update Programme**

**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1D-15-SP1-935 | TM Phase Ch.130,960 – 130,380 (Palmerston Place – Princes Street) | 14-Apr-11 | 2 | 15-Apr-11 | 0% | 223 |
| **Phases SP1,2,3,4,5,6,7. Ch.130,960 – 130,380 (Palmerston Place – Princes Street)** | | 15-Apr-11 | 384 | 30-Oct-12 | | 443 |
| 488 | Phases SP1,2,3,4,5,6,7. Ch.130,960 – 130,380 (Palmerston Place – Princes Street) | 15-Apr-11* | 384 | 30-Oct-12 | 0% | 443 |
| **Section Wide** | | 15-Apr-11 | 311 | 18-Jul-12 | | 516 |
| 1D-14/15-469 | Erect Pedestrian Barrier | 15-Apr-11 | 5 | 25-Apr-11 | 0% | 180 |
| 1D-14/15-730 | Protect Dwarf Walls (Listed Monuments) | 25-Apr-11 | 0 | | 0% | 180 |
| 1D-14/15-501 | Tree Removal | 25-Apr-11 | 4 | 29-Apr-11 | 0% | 180 |
| 1D-14/15-502 | Site Clearance & Site Compound | 25-Apr-11 | 20 | 24-May-11 | 0% | 665 |
| 1D-14/15-493 | Investigate services / outfall positions / inlet-outlet positions / levels | 25-Apr-11 | 4 | 29-Apr-11 | 0% | 211 |
| 1D-14/15-JNCS-60 | installation of traffic light control - Junction 41 | 08-Jun-12 | 11 | 25-Jun-12 | 0% | 534 |
| 1D-14/15-JNCS-70 | installation of traffic light control - Junction 42 | 25-Jun-12 | 5 | 02-Jul-12 | 0% | 529 |
| 1D-14/15-JNCS-80 | installation of traffic light control - Junction 43 | 02-Jul-12 | 4 | 06-Jul-12 | 0% | 525 |
| 1D-14/15-JNCS-90 | installation of traffic light control - Junction 44 | 06-Jul-12 | 6 | 16-Jul-12 | 0% | 519 |
| 1D-14/15-JNCS-100 | installation of traffic light control - Junction 45 | 16-Jul-12 | 3 | 18-Jul-12 | 0% | 516 |
| **Phase SP1 - Inbound Ch.130,670 – 130,380 (Crescents to Princes Street)** | | 27-Apr-11 | 106 | 27-Sep-11 | | 705 |
| 494 | Phase SP1 - Inbound Ch.130,670 – 130,380 (Crescents to Princes Street) | 27-Apr-11 | 106 | 27-Sep-11 | 0% | 705 |
| 1D-14O-SP1-595 | Plane Main Carriageway 250mm | 29-Apr-11 | 4 | 06-May-11 | 0% | 180 |
| 1D-14O-SP1-514 | Core/Cast OLE Pole Foundations | 29-Apr-11 | 5 | 09-May-11 | 0% | 350 |
| 1D-14O-SP1-516 | Excavate to Formation for Carriageway and Track (incl for Capping/Type 1) | 06-May-11 | 13 | 25-May-11 | 0% | 180 |
| 1D-14O-SP1-497 | Remove existing kerbs | 06-May-11 | 13 | 25-May-11 | 0% | 664 |
| 1D-14O-SP1-498 | Check suitability of formation (ongoing) | 06-May-11 | 0 | | 0% | 190 |
| 1D-14O-SP1-489 | Capping Layer to Adjacent Carriageway (600mm) | 18-May-11 | 5 | 25-May-11 | 0% | 182 |
| 1D-14O-SP1-820 | Make good Formation with Type 1 (Ave 220mm) | 25-May-11 | 2 | 27-May-11 | 0% | 180 |
| 1D-14O-SP1-511 | Installation of IMU Drains and Cable Ducting | 27-May-11 | 2 | 01-Jun-11 | 0% | 180 |
| 1D-14O-SP1-512 | Carry out inspection and testing of Subgrade | 01-Jun-11 | 1 | 02-Jun-11 | 0% | 180 |
| 1D-14O-SP1-513 | Blinding Concrete | 02-Jun-11 | 4 | 08-Jun-11 | 0% | 180 |
| 1D-14O-SP1-654 | 250mm RC Improvement Slab (+ cure lag) | 08-Jun-11 | 8 | 20-Jun-11 | 0% | 180 |
| 1D-14O-SP1-665 | Access for Track Laying | 22-Jun-11 | 0 | | 0% | 180 |
| 1D-14O-SP1-596 | Installation of Noise & Vibration Mat (if reqd) | 22-Jun-11 | 0 | | 0% | 180 |
| 1D-14O-TRCK-70(3) | Set track (1x288m)(sleepers/rail) + mob | 22-Jun-11 | 14 | 12-Jul-11 | 0% | 180 |
| 1D-14O-SP1-508 | Welding & Grinding | 23-Jun-11 | 8 | 05-Jul-11 | 0% | 180 |
| 1D-14O-SP1-499 | Drainage / Rail Connections | 23-Jun-11 | 8 | 05-Jul-11 | 0% | 308 |
| 1D-14O-SP1-830 | Installation of IMU Boxes and Loops | 23-Jun-11 | 8 | 05-Jul-11 | 0% | 308 |
| 1D-14O-SP1-521 | Final Rail Alignment - Check and Approve | 24-Jun-11 | 8 | 06-Jul-11 | 0% | 180 |
| 1D-14O-SP1-522 | 230mm Concrete Supporting Layer (+ cure lag) | 28-Jun-11 | 10 | 12-Jul-11 | 0% | 305 |
| 1D-14O-SP1-655 | OLE Wall Fixings Inbound | 12-Jul-11 | 6 | 20-Jul-11 | 0% | 625 |
| 1D-14O-SP1-523 | Mill Rail Joint / Sealing Compound | 07-Sep-11 | 6 | 15-Sep-11 | 0% | 609 |
| **Drainage & Ducts** | | 27-Apr-11 | 62 | 26-Jul-11 | | 749 |
| 496 | Drainage & Ducts | 27-Apr-11 | 62 | 26-Jul-11 | 0% | 749 |
| 1D-14O-SP1-487 | Outfall Connections | 27-Apr-11 | 5 | 05-May-11 | 0% | 211 |
| 1D-14O-SP1-478 | Drainage to Discharge Points | 06-May-11 | 14 | 26-May-11 | 0% | 347 |
| 1D-14O-SP1-690 | Traction Ducts & Chambers | 25-May-11 | 0 | | 0% | 199 |
| 1D-14O-SP1-491 | Comms Ducts & Chambers | 25-May-11 | 17 | 20-Jun-11 | 0% | 182 |
| 1D-14O-SP1-479 | Aco Channel | 26-May-11 | 3 | 01-Jun-11 | 0% | 660 |
| 1D-14O-SP1-492 | Traffic Signal Ducts | 26-May-11 | 4 | 02-Jun-11 | 0% | 650 |

| Date | Revision | Checked | Approved |
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| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0145

**Update Programme**

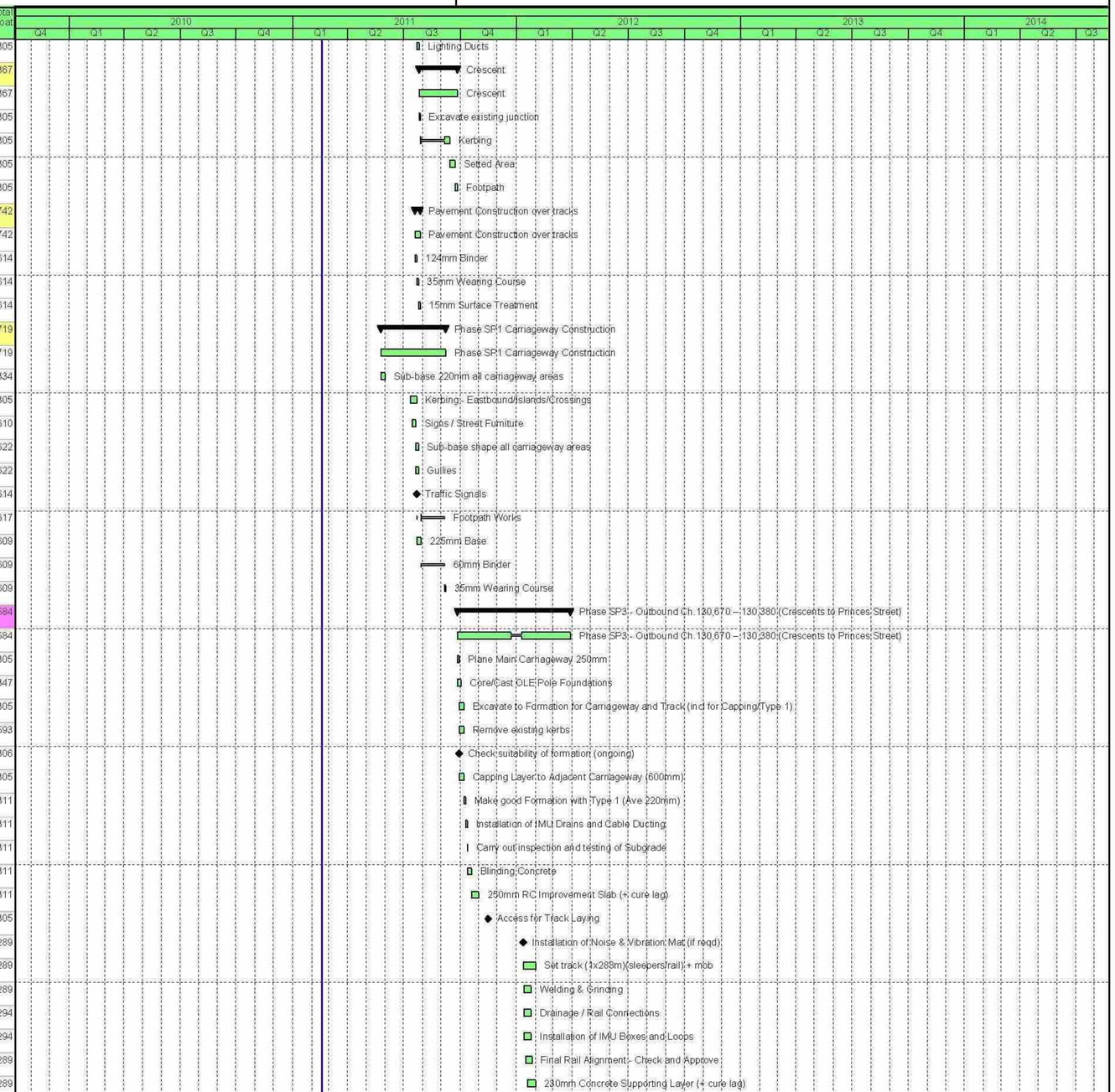
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1D-14O-SP1-483 | Lighting Ducts | 22-Jul-11 | 2 | 26-Jul-11 | 0% | 305 |
| **Crescent** | | 26-Jul-11 | 44 | 27-Sep-11 | | 367 |
| 503 | Crescent | 26-Jul-11 | 44 | 27-Sep-11 | 0% | 367 |
| 1D-14O-SP1-504 | Excavate existing junction | 26-Jul-11 | 1 | 27-Jul-11 | 0% | 305 |
| 1D-14O-SP1-515 | Kerbing | 27-Jul-11 | 10 | 14-Sep-11 | 0% | 305 |
| 1D-14O-SP1-506 | Setted Area | 14-Sep-11 | 6 | 22-Sep-11 | 0% | 305 |
| 1D-14O-SP1-507 | Footpath | 22-Sep-11 | 3 | 27-Sep-11 | 0% | 305 |
| **Pavement Construction over tracks** | | 19-Jul-11 | 6 | 27-Jul-11 | | 742 |
| 598 | Pavement Construction over tracks | 19-Jul-11 | 6 | 27-Jul-11 | 0% | 742 |
| 1D-14O-SP1-519 | 124mm Binder | 19-Jul-11 | 3 | 22-Jul-11 | 0% | 614 |
| 1D-14O-SP1-850 | 35mm Wearing Course | 22-Jul-11 | 1 | 25-Jul-11 | 0% | 614 |
| 1D-14O-SP1-601 | 15mm Surface Treatment | 25-Jul-11 | 2 | 27-Jul-11 | 0% | 614 |
| **Phase SP1 Carriageway Construction** | | 25-May-11 | 73 | 07-Sep-11 | | 719 |
| 982 | Phase SP1 Carriageway Construction | 25-May-11 | 73 | 07-Sep-11 | 0% | 719 |
| 1D-14O-SP1-1003 | Sub-base 220mm all carriageway areas | 25-May-11 | 4 | 01-Jun-11 | 0% | 334 |
| 1D-14O-SP1-1004 | Kerbing - Eastbound/Islands/Crossings | 12-Jul-11 | 8 | 22-Jul-11 | 0% | 305 |
| 1D-14O-SP1-1006 | Signs / Street Furniture | 14-Jul-11 | 5 | 21-Jul-11 | 0% | 610 |
| 1D-14O-SP1-997 | Sub-base shape all carriageway areas | 20-Jul-11 | 3 | 25-Jul-11 | 0% | 622 |
| 1D-14O-SP1-1035 | Gullies | 21-Jul-11 | 2 | 25-Jul-11 | 0% | 622 |
| 1D-14O-SP1-1008 | Traffic Signals | 22-Jul-11 | 0 | | 0% | 614 |
| 1D-14O-SP1-999 | Footpath Works | 22-Jul-11 | 6 | 05-Sep-11 | 0% | 617 |
| 1D-14O-SP1-1190 | 225mm Base | 22-Jul-11 | 5 | 29-Jul-11 | 0% | 609 |
| 1D-14O-SP1-1021 | 60mm Binder | 29-Jul-11 | 2 | 06-Sep-11 | 0% | 609 |
| 1D-14O-SP1-992 | 35mm Wearing Course | 06-Sep-11 | 1 | 07-Sep-11 | 0% | 609 |
| **Phase SP3 - Outbound Ch.130,670 – 130,380 (Crescents to Princes Street)** | | 27-Sep-11 | 121 | 28-Mar-12 | | 584 |
| 567 | Phase SP3 - Outbound Ch.130,670 – 130,380 (Crescents to Princes Street) | 27-Sep-11 | 121 | 28-Mar-12 | 0% | 584 |
| 1D-14P-SP3-568 | Plane Main Carriageway 250mm | 27-Sep-11 | 2 | 29-Sep-11 | 0% | 305 |
| 1D-14P-SP3-576 | Core/Cast OLE Pole Foundations | 27-Sep-11 | 4 | 03-Oct-11 | 0% | 347 |
| 1D-14P-SP3-578 | Excavate to Formation for Carriageway and Track (incl for Capping/Type 1) | 29-Sep-11 | 6 | 07-Oct-11 | 0% | 305 |
| 1D-14P-SP3-579 | Remove existing kerbs | 29-Sep-11 | 6 | 07-Oct-11 | 0% | 593 |
| 1D-14P-SP3-580 | Check suitability of formation (ongoing) | 29-Sep-11 | 0 | | 0% | 306 |
| 1D-14P-SP3-581 | Capping Layer to Adjacent Carriageway (600mm) | 30-Sep-11 | 5 | 07-Oct-11 | 0% | 305 |
| 1D-14P-SP3-582 | Make good Formation with Type 1 (Ave 220mm) | 07-Oct-11 | 1 | 10-Oct-11 | 0% | 311 |
| 1D-14P-SP3-583 | Installation of IMU Drains and Cable Ducting | 10-Oct-11 | 2 | 12-Oct-11 | 0% | 311 |
| 1D-14P-SP3-584 | Carry out inspection and testing of Subgrade | 12-Oct-11 | 1 | 13-Oct-11 | 0% | 311 |
| 1D-14P-SP3-585 | Blinding Concrete | 13-Oct-11 | 4 | 19-Oct-11 | 0% | 311 |
| 1D-14P-SP3-586 | 250mm RC Improvement Slab (+ cure lag) | 19-Oct-11 | 8 | 31-Oct-11 | 0% | 311 |
| 1D-14P-SP3-587 | Access for Track Laying | 15-Nov-11 | 0 | | 0% | 305 |
| 1D-14P-SP3-588 | Installation of Noise & Vibration Mat (if reqd) | 12-Jan-12 | 0 | | 0% | 289 |
| 1D-14P-TRCK-70(3) | Set track (1x288m)(sleepers/rail) + mob | 12-Jan-12 | 14 | 01-Feb-12 | 0% | 289 |
| 1D-14P-SP3-590 | Welding & Grinding | 13-Jan-12 | 8 | 25-Jan-12 | 0% | 289 |
| 1D-14P-SP3-591 | Drainage / Rail Connections | 13-Jan-12 | 8 | 25-Jan-12 | 0% | 294 |
| 1D-14P-SP3-592 | Installation of IMU Boxes and Loops | 13-Jan-12 | 8 | 25-Jan-12 | 0% | 294 |
| 1D-14P-SP3-593 | Final Rail Alignment - Check and Approve | 16-Jan-12 | 8 | 26-Jan-12 | 0% | 289 |
| 1D-14P-SP3-594 | 230mm Concrete Supporting Layer (+ cure lag) | 18-Jan-12 | 10 | 01-Feb-12 | 0% | 289 |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0146

**Update Programme**

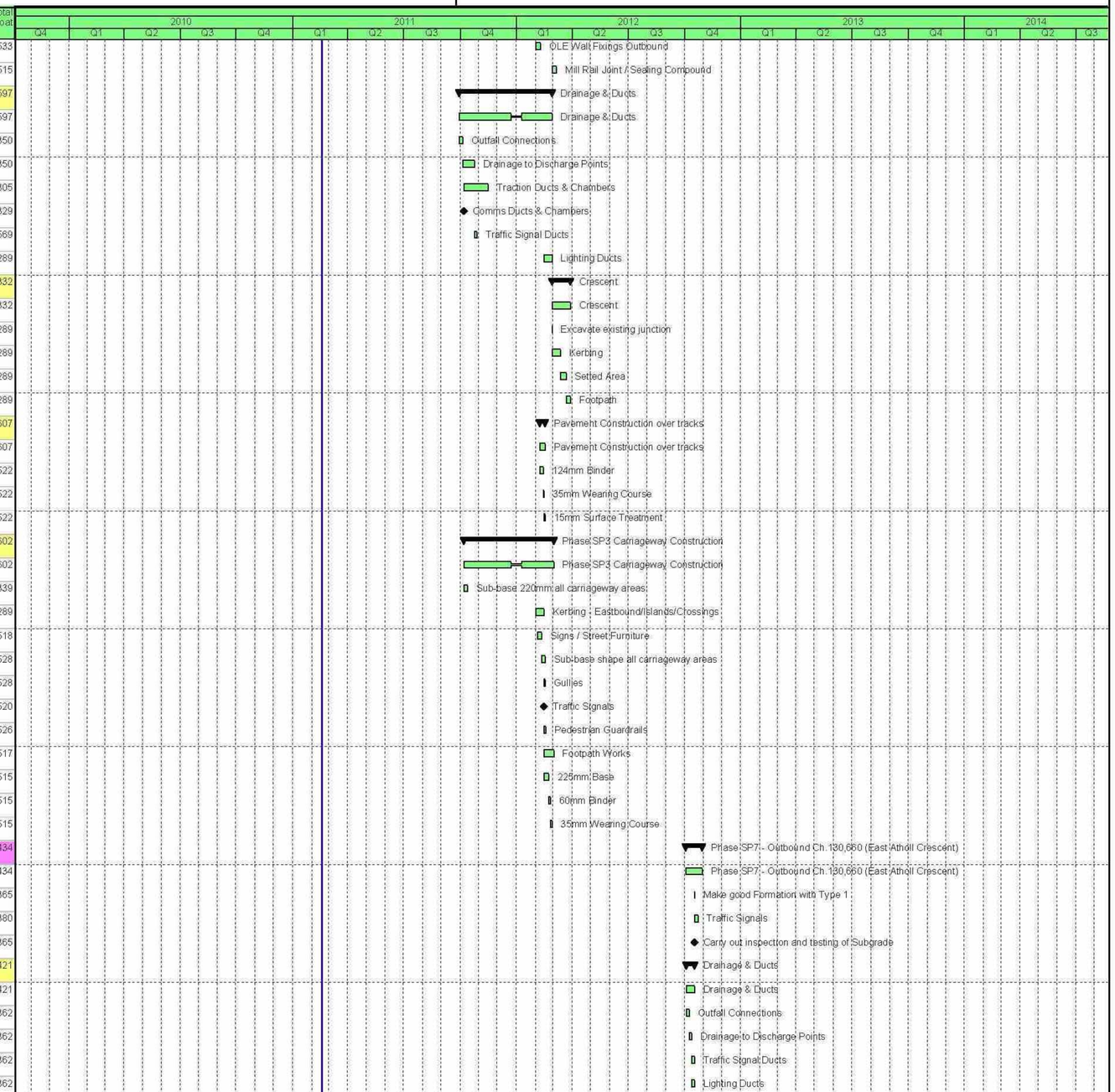
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1D-14P-SP3-577 | OLE Wall Fixings Outbound | 01-Feb-12 | 6 | 09-Feb-12 | 0% | 533 |
| 1D-14P-SP3-616 | Mill Rail Joint / Sealing Compound | 27-Feb-12 | 6 | 06-Mar-12 | 0% | 515 |
| **Drainage & Ducts** | | 29-Sep-11 | 97 | 27-Feb-12 | | 597 |
| 569 | Drainage & Ducts | 29-Sep-11 | 97 | 27-Feb-12 | 0% | 597 |
| 1D-14P-SP3-570 | Outfall Connections | 29-Sep-11 | 4 | 05-Oct-11 | 0% | 350 |
| 1D-14P-SP3-571 | Drainage to Discharge Points | 05-Oct-11 | 13 | 24-Oct-11 | 0% | 350 |
| 1D-14P-SP3-572 | Traction Ducts & Chambers | 07-Oct-11 | 24 | 15-Nov-11 | 0% | 305 |
| 1D-14P-SP3-573 | Comms Ducts & Chambers | 07-Oct-11 | 0 | | 0% | 329 |
| 1D-14P-SP3-574 | Traffic Signal Ducts | 24-Oct-11 | 4 | 28-Oct-11 | 0% | 569 |
| 1D-14P-SP3-575 | Lighting Ducts | 15-Feb-12 | 8 | 27-Feb-12 | 0% | 289 |
| **Crescent** | | 27-Feb-12 | 22 | 28-Mar-12 | | 332 |
| 865 | Crescent | 27-Feb-12 | 22 | 28-Mar-12 | 0% | 332 |
| 1D-14P-SP3-836 | Excavate existing junction | 27-Feb-12 | 1 | 28-Feb-12 | 0% | 289 |
| 1D-14P-SP3-807 | Kerbing | 28-Feb-12 | 10 | 13-Mar-12 | 0% | 289 |
| 1D-14P-SP3-818 | Setted Area | 13-Mar-12 | 7 | 22-Mar-12 | 0% | 289 |
| 1D-14P-SP3-809 | Footpath | 22-Mar-12 | 4 | 28-Mar-12 | 0% | 289 |
| **Pavement Construction over tracks** | | 08-Feb-12 | 6 | 16-Feb-12 | | 607 |
| 1010 | Pavement Construction over tracks | 08-Feb-12 | 6 | 16-Feb-12 | 0% | 607 |
| 1D-14P-SP3-821 | 124mm Binder | 08-Feb-12 | 3 | 13-Feb-12 | 0% | 522 |
| 1D-14P-SP3-792 | 35mm Wearing Course | 13-Feb-12 | 1 | 14-Feb-12 | 0% | 522 |
| 1D-14P-SP3-803 | 15mm Surface Treatment | 14-Feb-12 | 2 | 16-Feb-12 | 0% | 522 |
| **Phase SP3 Carriageway Construction** | | 07-Oct-11 | 95 | 02-Mar-12 | | 602 |
| 604 | Phase SP3 Carriageway Construction | 07-Oct-11 | 95 | 02-Mar-12 | 0% | 602 |
| 1D-14P-SP3-605 | Sub-base 220mm all carriageway areas | 07-Oct-11 | 4 | 13-Oct-11 | 0% | 339 |
| 1D-14P-SP3-606 | Kerbing - Eastbound/Islands/Crossings | 01-Feb-12 | 10 | 15-Feb-12 | 0% | 289 |
| 1D-14P-SP3-608 | Signs / Street Furniture | 03-Feb-12 | 5 | 10-Feb-12 | 0% | 518 |
| 1D-14P-SP3-609 | Sub-base shape all carriageway areas | 10-Feb-12 | 4 | 16-Feb-12 | 0% | 528 |
| 1D-14P-SP3-607 | Gullies | 14-Feb-12 | 2 | 16-Feb-12 | 0% | 528 |
| 1D-14P-SP3-610 | Traffic Signals | 15-Feb-12 | 0 | | 0% | 520 |
| 1D-14P-SP3-611 | Pedestrian Guardrails | 15-Feb-12 | 2 | 17-Feb-12 | 0% | 526 |
| 1D-14P-SP3-612 | Footpath Works | 15-Feb-12 | 12 | 02-Mar-12 | 0% | 517 |
| 1D-14P-SP3-613 | 225mm Base | 15-Feb-12 | 5 | 22-Feb-12 | 0% | 515 |
| 1D-14P-SP3-614 | 60mm Binder | 22-Feb-12 | 2 | 24-Feb-12 | 0% | 515 |
| 1D-14P-SP3-615 | 35mm Wearing Course | 24-Feb-12 | 1 | 27-Feb-12 | 0% | 515 |
| **Phase SP7 - Outbound Ch.130,660 (East Atholl Crescent)** | | 02-Oct-12 | 20 | 30-Oct-12 | | 434 |
| 763 | Phase SP7 - Outbound Ch.130,660 (East Atholl Crescent) | 02-Oct-12 | 20 | 30-Oct-12 | 0% | 434 |
| 1D-14-SP7-769 | Make good Formation with Type 1 | 16-Oct-12 | 1 | 17-Oct-12 | 0% | 365 |
| 1D-14-SP7-776 | Traffic Signals | 16-Oct-12 | 5 | 23-Oct-12 | 0% | 380 |
| 1D-14-SP7-800 | Carry out inspection and testing of Subgrade | 17-Oct-12 | 0 | | 0% | 365 |
| **Drainage & Ducts** | | 04-Oct-12 | 8 | 16-Oct-12 | | 421 |
| 764 | Drainage & Ducts | 04-Oct-12 | 8 | 16-Oct-12 | 0% | 421 |
| 1D-14-SP7-765 | Outfall Connections | 04-Oct-12 | 2 | 08-Oct-12 | 0% | 362 |
| 1D-14-SP7-766 | Drainage to Discharge Points | 08-Oct-12 | 4 | 12-Oct-12 | 0% | 362 |
| 1D-14-SP7-767 | Traffic Signal Ducts | 12-Oct-12 | 2 | 16-Oct-12 | 0% | 362 |
| 1D-14-SP7-768 | Lighting Ducts | 12-Oct-12 | 2 | 16-Oct-12 | 0% | 362 |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0147

**Update Programme**

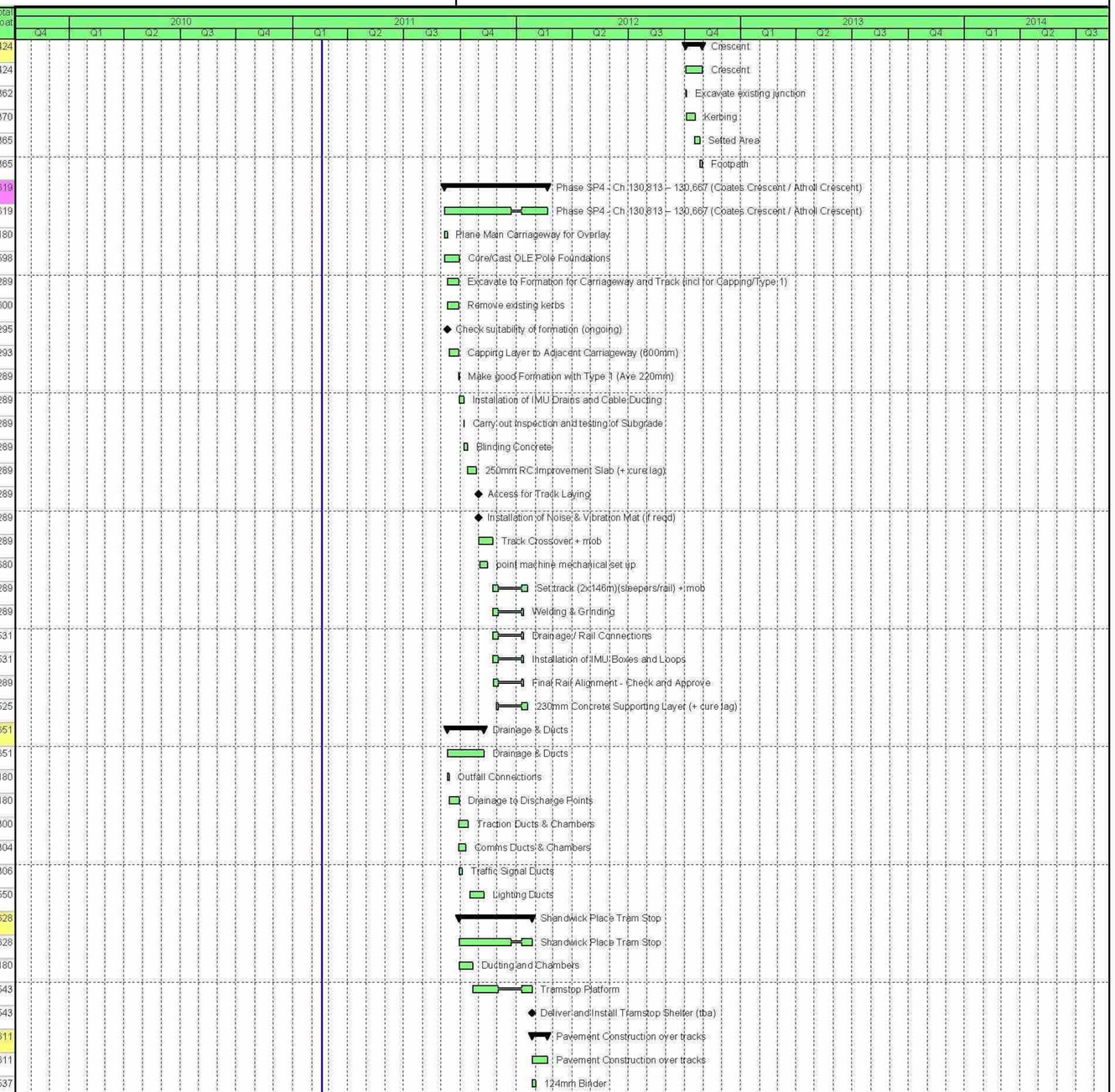
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| **Crescent** | | 02-Oct-12 | 20 | 30-Oct-12 | | 424 |
| 771 | Crescent | 02-Oct-12 | 20 | 30-Oct-12 | 0% | 424 |
| 1D-14-SP7-772 | Excavate existing junction | 02-Oct-12 | 2 | 04-Oct-12 | 0% | 362 |
| 1D-14-SP7-773 | Kerbing | 04-Oct-12 | 10 | 18-Oct-12 | 0% | 370 |
| 1D-14-SP7-774 | Setted Area | 17-Oct-12 | 6 | 25-Oct-12 | 0% | 365 |
| 1D-14-SP7-775 | Footpath | 25-Oct-12 | 3 | 30-Oct-12 | 0% | 365 |
| **Phase SP4 - Ch.130,813 – 130,667 (Coates Crescent / Atholl Crescent)** | | 06-Sep-11 | 110 | 21-Feb-12 | | 619 |
| 617 | Phase SP4 - Ch.130,813 – 130,667 (Coates Crescent / Atholl Crescent) | 06-Sep-11 | 110 | 21-Feb-12 | 0% | 619 |
| 1D-14R-SP4-618 | Plane Main Carriageway for Overlay | 06-Sep-11 | 3 | 09-Sep-11 | 0% | 180 |
| 1D-14R-SP4-626 | Core/Cast OLE Pole Foundations | 06-Sep-11 | 18 | 30-Sep-11 | 0% | 598 |
| 1D-14R-SP4-627 | Excavate to Formation for Carriageway and Track (incl for Capping/Type 1) | 09-Sep-11 | 13 | 28-Sep-11 | 0% | 289 |
| 1D-14R-SP4-628 | Remove existing kerbs | 09-Sep-11 | 13 | 28-Sep-11 | 0% | 600 |
| 1D-14R-SP4-629 | Check suitability of formation (ongoing) | 09-Sep-11 | 0 | | 0% | 295 |
| 1D-14R-SP4-630 | Capping Layer to Adjacent Carriageway (600mm) | 13-Sep-11 | 11 | 28-Sep-11 | 0% | 293 |
| 1D-14R-SP4-631 | Make good Formation with Type 1 (Ave 220mm) | 28-Sep-11 | 2 | 30-Sep-11 | 0% | 289 |
| 1D-14R-SP4-632 | Installation of IMU Drains and Cable Ducting | 30-Sep-11 | 4 | 06-Oct-11 | 0% | 289 |
| 1D-14R-SP4-633 | Carry out inspection and testing of Subgrade | 06-Oct-11 | 1 | 07-Oct-11 | 0% | 289 |
| 1D-14R-SP4-634 | Blinding Concrete | 07-Oct-11 | 4 | 13-Oct-11 | 0% | 289 |
| 1D-14R-SP4-635 | 250mm RC Improvement Slab (+ cure lag) | 13-Oct-11 | 10 | 27-Oct-11 | 0% | 289 |
| 1D-14R-SP4-636 | Access for Track Laying | 31-Oct-11 | 0 | | 0% | 289 |
| 1D-14R-SP4-637 | Installation of Noise & Vibration Mat (if reqd) | 31-Oct-11 | 0 | | 0% | 289 |
| 1D-14R-TRCK-90(3) | Track Crossover + mob | 31-Oct-11 | 13 | 22-Nov-11 | 0% | 289 |
| 1D-14/15-SIGN-70 | point machine mechanical set up | 01-Nov-11 | 10 | 14-Nov-11 | 0% | 680 |
| 1D-14R-TRCK-70(3) | Set track (2x146m)(sleepers/rail) + mob | 22-Nov-11 | 15 | 18-Jan-12 | 0% | 289 |
| 1D-14R-SP4-640 | Welding & Grinding | 23-Nov-11 | 9 | 11-Jan-12 | 0% | 289 |
| 1D-14R-SP4-641 | Drainage / Rail Connections | 23-Nov-11 | 9 | 11-Jan-12 | 0% | 531 |
| 1D-14R-SP4-642 | Installation of IMU Boxes and Loops | 23-Nov-11 | 9 | 11-Jan-12 | 0% | 531 |
| 1D-14R-SP4-643 | Final Rail Alignment - Check and Approve | 24-Nov-11 | 9 | 12-Jan-12 | 0% | 289 |
| 1D-14R-SP4-644 | 230mm Concrete Supporting Layer (+ cure lag) | 28-Nov-11 | 12 | 19-Jan-12 | 0% | 525 |
| **Drainage & Ducts** | | 09-Sep-11 | 43 | 09-Nov-11 | | 651 |
| 619 | Drainage & Ducts | 09-Sep-11 | 43 | 09-Nov-11 | 0% | 651 |
| 1D-14R-SP4-620 | Outfall Connections | 09-Sep-11 | 1 | 12-Sep-11 | 0% | 180 |
| 1D-14R-SP4-621 | Drainage to Discharge Points | 12-Sep-11 | 14 | 30-Sep-11 | 0% | 180 |
| 1D-14R-SP4-622 | Traction Ducts & Chambers | 28-Sep-11 | 12 | 14-Oct-11 | 0% | 300 |
| 1D-14R-SP4-623 | Comms Ducts & Chambers | 28-Sep-11 | 8 | 10-Oct-11 | 0% | 304 |
| 1D-14R-SP4-624 | Traffic Signal Ducts | 30-Sep-11 | 2 | 04-Oct-11 | 0% | 306 |
| 1D-14R-SP4-625 | Lighting Ducts | 17-Oct-11 | 14 | 09-Nov-11 | 0% | 550 |
| **Shandwick Place Tram Stop** | | 30-Sep-11 | 74 | 26-Jan-12 | | 628 |
| 645 | Shandwick Place Tram Stop | 30-Sep-11 | 74 | 26-Jan-12 | 0% | 628 |
| 1D-14R-SP4-646 | Ducting and Chambers | 30-Sep-11 | 15 | 21-Oct-11 | 0% | 180 |
| 1D-14R-SP4-647 | Tramstop Platform | 21-Oct-11 | 40 | 26-Jan-12 | 0% | 543 |
| 1D-14R-SP4-648 | Deliver and Install Tramstop Shelter (tba) | 26-Jan-12* | 0 | | 0% | 543 |
| **Pavement Construction over tracks** | | 26-Jan-12 | 17 | 20-Feb-12 | | 611 |
| 829 | Pavement Construction over tracks | 26-Jan-12 | 17 | 20-Feb-12 | 0% | 611 |
| 1D-14R-SP4-1020 | 124mm Binder | 26-Jan-12 | 3 | 31-Jan-12 | 0% | 537 |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0148

**Update Programme**

**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1D-14R-SP4-841 | 35mm Wearing Course | 31-Jan-12 | 1 | 01-Feb-12 | 0% | 537 |
| 1D-14R-SP4-802 | 15mm Surface Treatment | 16-Feb-12 | 2 | 20-Feb-12 | 0% | 526 |
| **Phase SP4 Carriageway Construction** | | 28-Sep-11 | 94 | 21-Feb-12 | | 610 |
| 833 | Phase SP4 Carriageway Construction | 28-Sep-11 | 94 | 21-Feb-12 | 0% | 610 |
| 1D-14R-SP4-844 | Sub-base 220mm all carriageway areas | 28-Sep-11 | 4 | 04-Oct-11 | 0% | 293 |
| 1D-14R-SP4-895 | Kerbing - Eastbound/Westbound K7 | 04-Oct-11 | 9 | 17-Oct-11 | 0% | 293 |
| 1D-14R-SP4-847 | Signs / Street Furniture | 06-Oct-11 | 5 | 13-Oct-11 | 0% | 296 |
| 1D-14R-SP4-868 | Sub-base shape all carriageway areas | 10-Oct-11 | 6 | 18-Oct-11 | 0% | 293 |
| 1D-14R-SP4-866 | Gullies | 13-Oct-11 | 3 | 18-Oct-11 | 0% | 293 |
| 1D-14R-SP4-849 | Traffic Signals | 17-Oct-11 | 2 | 19-Oct-11 | 0% | 297 |
| 1D-14R-SP4-1040 | Pedestrian Guardrails | 17-Oct-11 | 0 | | 0% | 586 |
| 1D-14R-SP4-861 | Footpath Works | 18-Oct-11 | 0 | | 0% | 586 |
| 1D-14R-SP4-822 | 225mm Base - Nearside Lanes only | 18-Oct-11 | 5 | 25-Oct-11 | 0% | 293 |
| 1D-14R-SP4-843 | Kerbing - Tramstop K7/K11 | 19-Jan-12* | 14 | 08-Feb-12 | 0% | 525 |
| 1D-14R-SP4-854 | Setted Area | 26-Jan-12 | 18 | 21-Feb-12 | 0% | 525 |
| 1D-14R-SP4-905 | 225mm Base | 08-Feb-12 | 2 | 10-Feb-12 | 0% | 526 |
| 1D-14R-SP4-876 | 60mm Binder | 10-Feb-12 | 2 | 14-Feb-12 | 0% | 526 |
| 1D-14R-SP4-857 | 35mm Wearing Course | 14-Feb-12 | 2 | 16-Feb-12 | 0% | 526 |
| **Phase SP5 - Outbound Ch.130,850 – 130,813 (Palmerston Place – Crescents)** | | 28-Mar-12 | 36 | 21-May-12 | | 548 |
| 728 | Phase SP5 - Outbound Ch.130,850 – 130,813 (Palmerston Place – Crescents) | 28-Mar-12 | 36 | 21-May-12 | 0% | 548 |
| 1D-14W-SP5-709 | Plane Main Carriageway 250mm | 28-Mar-12 | 1 | 29-Mar-12 | 0% | 289 |
| 1D-14W-SP5-727 | Core/Cast OLE Pole Foundations | 28-Mar-12 | 2 | 30-Mar-12 | 0% | 294 |
| 1D-14W-SP5-738 | Excavate to Formation for Carriageway and Track (incl for Capping/Type 1) | 29-Mar-12 | 2 | 02-Apr-12 | 0% | 289 |
| 1D-14W-SP5-719 | Remove existing kerbs | 29-Mar-12 | 2 | 02-Apr-12 | 0% | 496 |
| 1D-14W-SP5-940 | Check suitability of formation (ongoing) | 29-Mar-12 | 0 | | 0% | 290 |
| 1D-14W-SP5-741 | Capping Layer to Adjacent Carriageway (600mm) | 30-Mar-12 | 1 | 02-Apr-12 | 0% | 289 |
| 1D-14W-SP5-722 | Make good Formation with Type 1 (Ave 220mm) | 02-Apr-12 | 1 | 03-Apr-12 | 0% | 294 |
| 1D-14W-SP5-723 | Installation of IMU Drains and Cable Ducting | 03-Apr-12 | 1 | 04-Apr-12 | 0% | 294 |
| 1D-14W-SP5-754 | Carry out inspection and testing of Subgrade | 04-Apr-12 | 1 | 05-Apr-12 | 0% | 294 |
| 1D-14W-SP5-805 | Blinding Concrete | 05-Apr-12 | 1 | 09-Apr-12 | 0% | 294 |
| 1D-14W-SP5-756 | 250mm RC Improvement Slab (+ cure lag) | 09-Apr-12 | 1 | 10-Apr-12 | 0% | 294 |
| 1D-14W-SP5-737 | Access for Track Laying | 19-Apr-12 | 0 | | 0% | 289 |
| 1D-14W-SP5-748 | Installation of Noise & Vibration Mat (if reqd) | 19-Apr-12 | 0 | | 0% | 289 |
| 1D-14W-TRCK-70(3) | Set track (1x36m)(sleepers/rail) + mob | 19-Apr-12 | 6 | 27-Apr-12 | 0% | 289 |
| 1D-14W-SP5-950 | Welding & Grinding | 20-Apr-12 | 2 | 24-Apr-12 | 0% | 289 |
| 1D-14W-SP5-751 | Drainage / Rail Connections | 20-Apr-12 | 2 | 24-Apr-12 | 0% | 292 |
| 1D-14W-SP5-732 | Installation of IMU Boxes and Loops | 20-Apr-12 | 2 | 24-Apr-12 | 0% | 292 |
| 1D-14W-SP5-733 | Final Rail Alignment - Check and Approve | 23-Apr-12 | 2 | 25-Apr-12 | 0% | 289 |
| 1D-14W-SP5-784 | 230mm Concrete Supporting Layer (+ cure lag) | 25-Apr-12 | 2 | 27-Apr-12 | 0% | 289 |
| 1D-14W-SP5-815 | Road Signs and Markings | 11-May-12 | 5 | 18-May-12 | 0% | 464 |
| 1D-14W-SP5-786 | Mill Rail Joint / Sealing Compound | 14-May-12 | 5 | 21-May-12 | 0% | 289 |
| **Drainage & Ducts** | | 28-Mar-12 | 11 | 13-Apr-12 | | 573 |
| 930 | Drainage & Ducts | 28-Mar-12 | 11 | 13-Apr-12 | 0% | 573 |
| 1D-14W-SP5-731 | Outfall Connections | 28-Mar-12 | 2 | 30-Mar-12 | 0% | 299 |
| 1D-14W-SP5-712 | Drainage to Discharge Points | 30-Mar-12 | 3 | 04-Apr-12 | 0% | 299 |

| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0149

**Update Programme**

**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1D-14W-SP5-713 | Traction Ducts & Chambers | 02-Apr-12 | 3 | 05-Apr-12 | 0% | 298 |
| 1D-14W-SP5-744 | Comms Ducts & Chambers | 02-Apr-12 | 0 | | 0% | 301 |
| 1D-14W-SP5-795 | Traffic Signal Ducts | 04-Apr-12 | 0 | | 0% | 299 |
| 1D-14W-SP5-746 | Lighting Ducts | 11-Apr-12 | 2 | 13-Apr-12 | 0% | 488 |
| **Pavement Construction over tracks** | | 04-May-12 | 5 | 14-May-12 | | 356 |
| 875 | Pavement Construction over tracks | 04-May-12 | 5 | 14-May-12 | 0% | 356 |
| 1D-14W-SP5-846 | 124mm Binder | 04-May-12 | 1 | 08-May-12 | 0% | 289 |
| 1D-14W-SP5-827 | 35mm Wearing Course | 08-May-12 | 1 | 09-May-12 | 0% | 289 |
| 1D-14W-SP5-838 | 15mm Surface Treatment | 11-May-12 | 1 | 14-May-12 | 0% | 289 |
| **Crescent** | | 09-Apr-12 | 15 | 30-Apr-12 | | 562 |
| 839 | Crescent | 09-Apr-12 | 15 | 30-Apr-12 | 0% | 562 |
| 1D-14W-SP5-1030 | Excavate existing junction | 09-Apr-12 | 1 | 10-Apr-12 | 0% | 478 |
| 1D-14W-SP5-851 | Kerbing | 11-Apr-12 | 10 | 25-Apr-12 | 0% | 477 |
| 1D-14W-SP5-812 | Setted Area | 17-Apr-12 | 6 | 25-Apr-12 | 0% | 477 |
| 1D-14W-SP5-823 | Footpath | 25-Apr-12 | 3 | 30-Apr-12 | 0% | 477 |
| **Phase SP5 Carriageway Construction (incl crescent)** | | 02-Apr-12 | 27 | 11-May-12 | | 554 |
| 814 | Phase SP5 Carriageway Construction (incl crescent) | 02-Apr-12 | 27 | 11-May-12 | 0% | 554 |
| 1D-14W-SP5-845 | Sub-base 220mm all carriageway areas | 02-Apr-12 | 4 | 09-Apr-12 | 0% | 289 |
| 1D-14W-SP5-816 | Kerbing - Eastbound/Islands/Crossings | 09-Apr-12 | 2 | 11-Apr-12 | 0% | 289 |
| 1D-14W-SP5-787 | Gullies | 10-Apr-12 | 2 | 12-Apr-12 | 0% | 489 |
| 1D-14W-SP5-798 | Signs / Street Furniture | 11-Apr-12 | 5 | 18-Apr-12 | 0% | 289 |
| 1D-14W-SP5-779 | Sub-base shape all carriageway areas | 11-Apr-12 | 1 | 12-Apr-12 | 0% | 489 |
| 1D-14W-SP5-980 | Traffic Signals | 11-Apr-12 | 0 | | 0% | 295 |
| 1D-14W-SP5-791 | Footpath Works | 11-Apr-12 | 10 | 25-Apr-12 | 0% | 480 |
| 1D-14W-SP5-762 | 225mm Base | 18-Apr-12 | 1 | 19-Apr-12 | 0% | 289 |
| 1D-14W-SP5-783 | 60mm Binder | 09-May-12 | 1 | 10-May-12 | 0% | 289 |
| 1D-14W-SP5-824 | 35mm Wearing Course | 10-May-12 | 1 | 11-May-12 | 0% | 289 |
| **Phase SP6 - Inbound Ch.130,960 – 130,813 (Palmerston Place – Crescents)** | | 21-May-12 | 94 | 02-Oct-12 | | 454 |
| 867 | Phase SP6 - Inbound Ch.130,960 – 130,813 (Palmerston Place – Crescents) | 21-May-12 | 94 | 02-Oct-12 | 0% | 454 |
| 1D-14X-SP6-878 | Plane Main Carriageway 250mm | 21-May-12 | 2 | 23-May-12 | 0% | 289 |
| 1D-14X-SP6-886 | Core/Cast OLE Pole Foundations | 21-May-12 | 3 | 24-May-12 | 0% | 296 |
| 1D-14X-SP6-888 | Excavate to Formation for Carriageway and Track (incl for Capping/Type 1) | 23-May-12 | 4 | 30-May-12 | 0% | 289 |
| 1D-14X-SP6-859 | Remove existing kerbs | 23-May-12 | 4 | 30-May-12 | 0% | 457 |
| 1D-14X-SP6-1050 | Check suitability of formation (ongoing) | 23-May-12 | 0 | | 0% | 290 |
| 1D-14X-SP6-871 | Capping Layer to Adjacent Carriageway (600mm) | 24-May-12 | 3 | 30-May-12 | 0% | 289 |
| 1D-14X-SP6-832 | Make good Formation with Type 1 (Ave 220mm) | 30-May-12 | 1 | 31-May-12 | 0% | 299 |
| 1D-14X-SP6-853 | Installation of IMU Drains and Cable Ducting | 31-May-12 | 2 | 04-Jun-12 | 0% | 299 |
| 1D-14X-SP6-864 | Carry out inspection and testing of Subgrade | 04-Jun-12 | 1 | 05-Jun-12 | 0% | 299 |
| 1D-14X-SP6-915 | Blinding Concrete | 05-Jun-12 | 2 | 07-Jun-12 | 0% | 299 |
| 1D-14X-SP6-896 | 250mm RC Improvement Slab (+ cure lag) | 07-Jun-12 | 5 | 14-Jun-12 | 0% | 299 |
| 1D-14X-SP6-887 | Access for Track Laying | 02-Jul-12 | 0 | | 0% | 289 |
| 1D-14X-SP6-898 | Installation of Noise & Vibration Mat (if reqd) | 02-Jul-12 | 0 | | 0% | 289 |
| 1D-14X-TRCK-70(3) | Set track (1x144m)(sleepers/rail) + mob | 02-Jul-12 | 8 | 12-Jul-12 | 0% | 289 |
| 1D-14X-SP6-1060 | Welding & Grinding | 03-Jul-12 | 4 | 09-Jul-12 | 0% | 289 |
| 1D-14X-SP6-881 | Drainage / Rail Connections | 03-Jul-12 | 4 | 09-Jul-12 | 0% | 293 |

| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0150

**Update Programme**

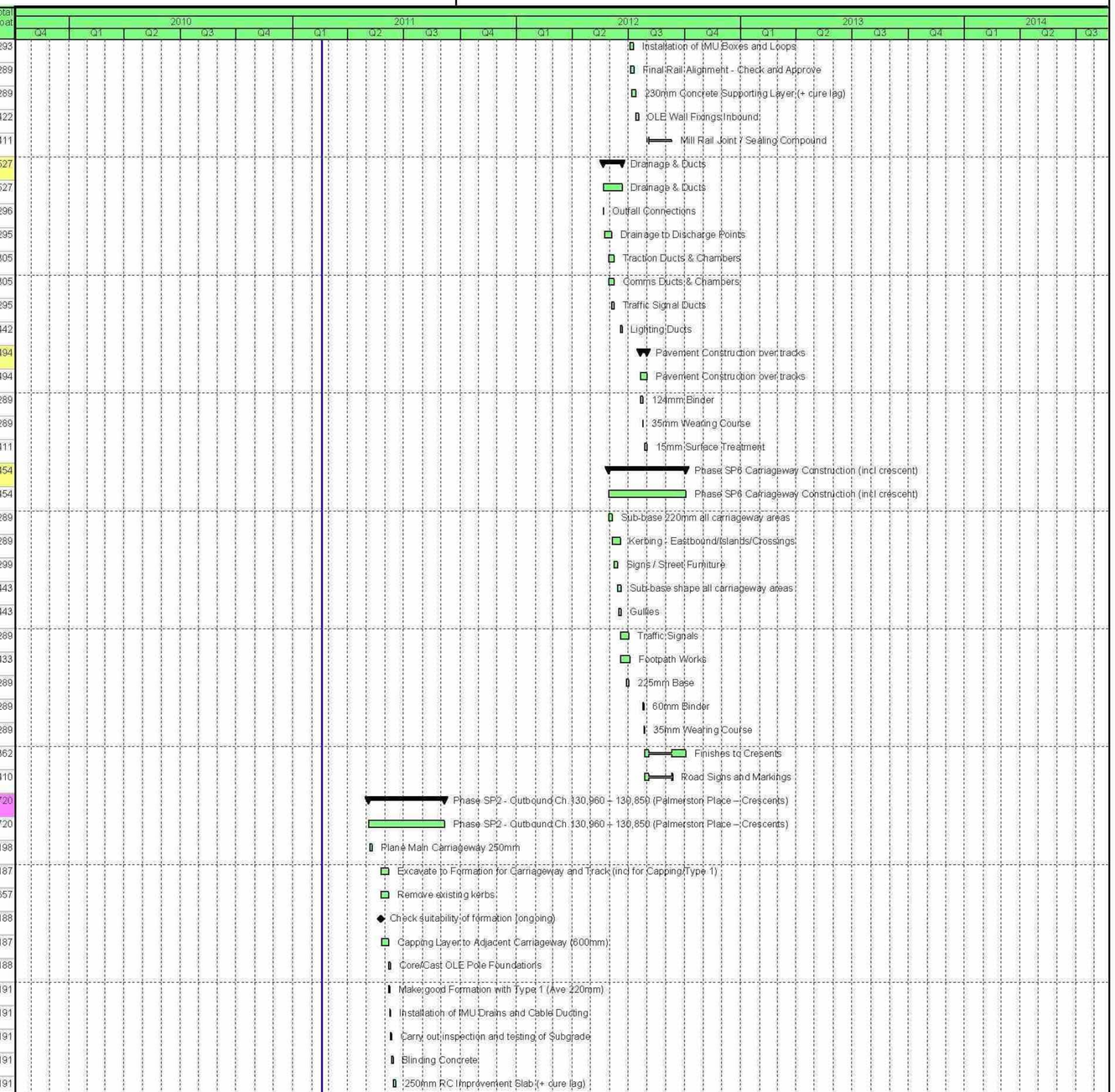
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1D-14X-SP6-842 | Installation of IMU Boxes and Loops | 03-Jul-12 | 4 | 09-Jul-12 | 0% | 293 |
| 1D-14X-SP6-863 | Final Rail Alignment - Check and Approve | 04-Jul-12 | 4 | 10-Jul-12 | 0% | 289 |
| 1D-14X-SP6-874 | 230mm Concrete Supporting Layer (+ cure lag) | 06-Jul-12 | 5 | 13-Jul-12 | 0% | 289 |
| 1D-14X-SP6-877 | OLE Wall Fixings Inbound | 13-Jul-12 | 3 | 18-Jul-12 | 0% | 422 |
| 1D-14X-SP6-852 | Mill Rail Joint / Sealing Compound | 01-Aug-12 | 3 | 10-Sep-12 | 0% | 411 |
| **Drainage & Ducts** | | 21-May-12 | 21 | 20-Jun-12 | | 527 |
| 929 | Drainage & Ducts | 21-May-12 | 21 | 20-Jun-12 | 0% | 527 |
| 1D-14X-SP6-1120 | Outfall Connections | 21-May-12 | 1 | 22-May-12 | 0% | 296 |
| 1D-14X-SP6-951 | Drainage to Discharge Points | 23-May-12 | 7 | 04-Jun-12 | 0% | 295 |
| 1D-14X-SP6-922 | Traction Ducts & Chambers | 30-May-12 | 7 | 08-Jun-12 | 0% | 305 |
| 1D-14X-SP6-933 | Comms Ducts & Chambers | 30-May-12 | 7 | 08-Jun-12 | 0% | 305 |
| 1D-14X-SP6-944 | Traffic Signal Ducts | 04-Jun-12 | 4 | 08-Jun-12 | 0% | 295 |
| 1D-14X-SP6-975 | Lighting Ducts | 18-Jun-12 | 2 | 20-Jun-12 | 0% | 442 |
| **Pavement Construction over tracks** | | 20-Jul-12 | 8 | 01-Aug-12 | | 494 |
| 885 | Pavement Construction over tracks | 20-Jul-12 | 8 | 01-Aug-12 | 0% | 494 |
| 1D-14X-SP6-856 | 124mm Binder | 20-Jul-12 | 2 | 24-Jul-12 | 0% | 289 |
| 1D-14X-SP6-837 | 35mm Wearing Course | 24-Jul-12 | 1 | 25-Jul-12 | 0% | 289 |
| 1D-14X-SP6-858 | 15mm Surface Treatment | 27-Jul-12 | 1 | 01-Aug-12 | 0% | 411 |
| **Phase SP6 Carriageway Construction (incl crescent)** | | 30-May-12 | 88 | 02-Oct-12 | | 454 |
| 789 | Phase SP6 Carriageway Construction (incl crescent) | 30-May-12 | 88 | 02-Oct-12 | 0% | 454 |
| 1D-14X-SP6-990 | Sub-base 220mm all carriageway areas | 30-May-12 | 4 | 05-Jun-12 | 0% | 289 |
| 1D-14X-SP6-801 | Kerbing - Eastbound/Islands/Crossings | 05-Jun-12 | 9 | 18-Jun-12 | 0% | 289 |
| 1D-14X-SP6-793 | Signs / Street Furniture | 07-Jun-12 | 5 | 14-Jun-12 | 0% | 299 |
| 1D-14X-SP6-834 | Sub-base shape all carriageway areas | 13-Jun-12 | 4 | 19-Jun-12 | 0% | 443 |
| 1D-14X-SP6-782 | Gullies | 15-Jun-12 | 2 | 19-Jun-12 | 0% | 443 |
| 1D-14X-SP6-855 | Traffic Signals | 18-Jun-12 | 10 | 02-Jul-12 | 0% | 289 |
| 1D-14X-SP6-826 | Footpath Works | 18-Jun-12 | 11 | 03-Jul-12 | 0% | 433 |
| 1D-14X-SP6-797 | 225mm Base | 28-Jun-12 | 2 | 02-Jul-12 | 0% | 289 |
| 1D-14X-SP6-808 | 60mm Binder | 25-Jul-12 | 1 | 26-Jul-12 | 0% | 289 |
| 1D-14X-SP6-799 | 35mm Wearing Course | 26-Jul-12 | 1 | 27-Jul-12 | 0% | 289 |
| 1D-14X-SP6-1000 | Finishes to Cresents | 27-Jul-12 | 20 | 02-Oct-12 | 0% | 362 |
| 1D-14X-SP6-811 | Road Signs and Markings | 27-Jul-12 | 5 | 11-Sep-12 | 0% | 410 |
| **Phase SP2 - Outbound Ch.130,960 – 130,850 (Palmerston Place – Crescents)** | | 05-May-11 | 86 | 06-Sep-11 | | 720 |
| 524 | Phase SP2 - Outbound Ch.130,960 – 130,850 (Palmerston Place – Crescents) | 05-May-11 | 86 | 06-Sep-11 | 0% | 720 |
| 1D-14V-SP2-525 | Plane Main Carriageway 250mm | 06-May-11 | 2 | 10-May-11 | 0% | 198 |
| 1D-14V-SP2-535 | Excavate to Formation for Carriageway and Track (incl for Capping/Type 1) | 25-May-11 | 7 | 06-Jun-11 | 0% | 187 |
| 1D-14V-SP2-536 | Remove existing kerbs | 25-May-11 | 7 | 06-Jun-11 | 0% | 657 |
| 1D-14V-SP2-537 | Check suitability of formation (ongoing) | 25-May-11 | 0 | | 0% | 188 |
| 1D-14V-SP2-538 | Capping Layer to Adjacent Carriageway (600mm) | 26-May-11 | 6 | 06-Jun-11 | 0% | 187 |
| 1D-14V-SP2-533 | Core/Cast OLE Pole Foundations | 06-Jun-11 | 3 | 09-Jun-11 | 0% | 188 |
| 1D-14V-SP2-539 | Make good Formation with Type 1 (Ave 220mm) | 06-Jun-11 | 1 | 07-Jun-11 | 0% | 191 |
| 1D-14V-SP2-700 | Installation of IMU Drains and Cable Ducting | 07-Jun-11 | 2 | 09-Jun-11 | 0% | 191 |
| 1D-14V-SP2-541 | Carry out inspection and testing of Subgrade | 09-Jun-11 | 1 | 10-Jun-11 | 0% | 191 |
| 1D-14V-SP2-542 | Blinding Concrete | 10-Jun-11 | 1 | 13-Jun-11 | 0% | 191 |
| 1D-14V-SP2-543 | 250mm RC Improvement Slab (+ cure lag) | 13-Jun-11 | 4 | 17-Jun-11 | 0% | 191 |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0151

**Update Programme**

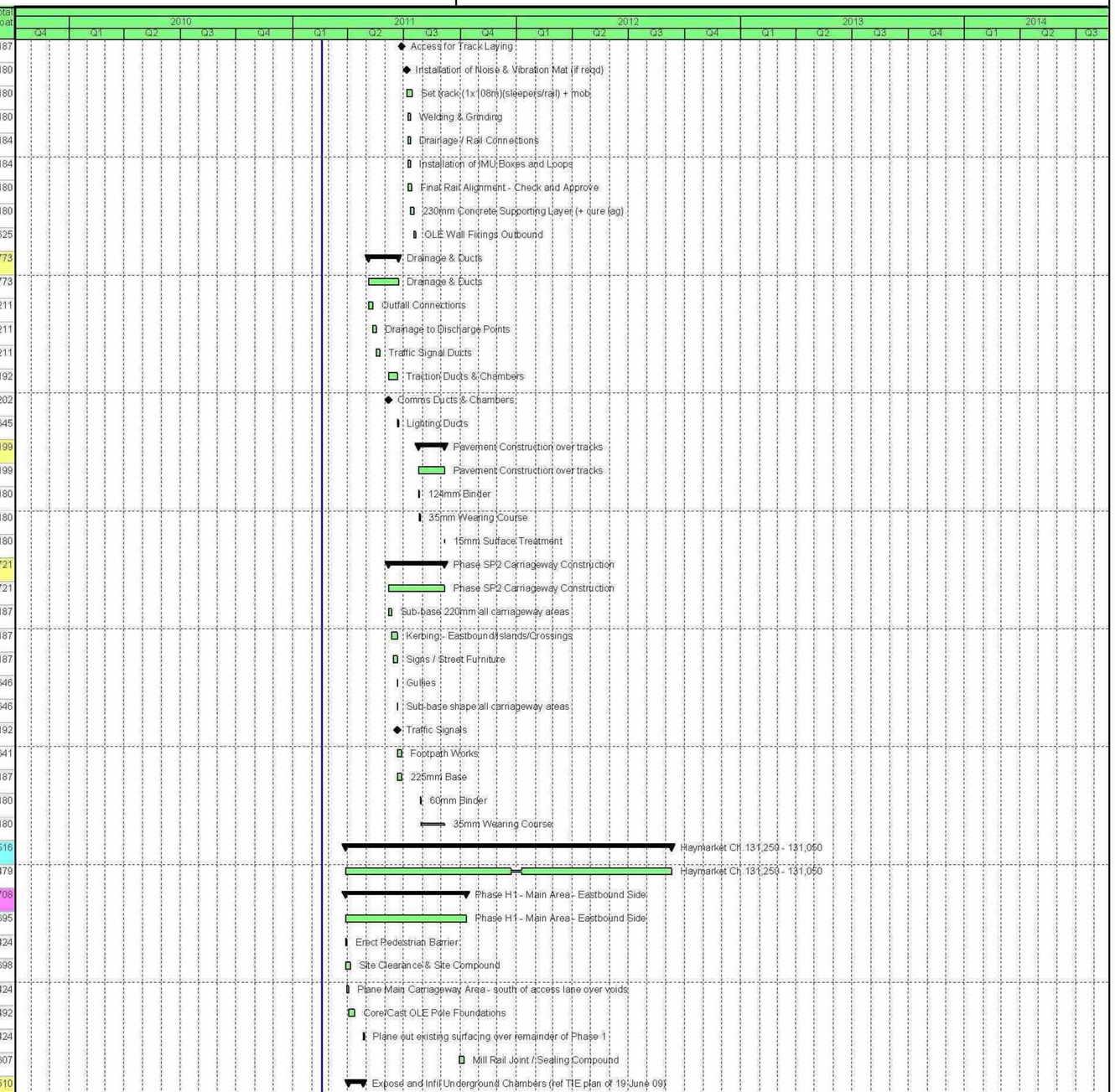
**Updated for V67 Design Programme,**

**and progress to 18 February 2011 .**

# EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

| Activity ID | Activity Name | Start | Original Duration | Finish | Activity % Complete | Total Float |
|---|---|---|---|---|---|---|
| 1D-14V-SP2-544 | Access for Track Laying | 27-Jun-11 | 0 | | 0% | 187 |
| 1D-14V-SP2-545 | Installation of Noise & Vibration Mat (if reqd) | 06-Jul-11 | 0 | | 0% | 180 |
| 1D-14V-TRCK-70(3) | Set track (1x108m)(sleepers/rail) + mob | 06-Jul-11 | 7 | 15-Jul-11 | 0% | 180 |
| 1D-14V-SP2-547 | Welding & Grinding | 07-Jul-11 | 3 | 12-Jul-11 | 0% | 180 |
| 1D-14V-SP2-548 | Drainage / Rail Connections | 07-Jul-11 | 3 | 12-Jul-11 | 0% | 184 |
| 1D-14V-SP2-549 | Installation of IMU Boxes and Loops | 07-Jul-11 | 3 | 12-Jul-11 | 0% | 184 |
| 1D-14V-SP2-710 | Final Rail Alignment - Check and Approve | 08-Jul-11 | 3 | 13-Jul-11 | 0% | 180 |
| 1D-14V-SP2-551 | 230mm Concrete Supporting Layer (+ cure lag) | 12-Jul-11 | 4 | 18-Jul-11 | 0% | 180 |
| 1D-14V-SP2-534 | OLE Wall Fixings Outbound | 18-Jul-11 | 2 | 20-Jul-11 | 0% | 625 |
| **Drainage & Ducts** | | 05-May-11 | 33 | 22-Jun-11 | | 773 |
| 526 | Drainage & Ducts | 05-May-11 | 33 | 22-Jun-11 | 0% | 773 |
| 1D-14V-SP2-527 | Outfall Connections | 05-May-11 | 4 | 11-May-11 | 0% | 211 |
| 1D-14V-SP2-528 | Drainage to Discharge Points | 11-May-11 | 4 | 17-May-11 | 0% | 211 |
| 1D-14V-SP2-531 | Traffic Signal Ducts | 17-May-11 | 4 | 23-May-11 | 0% | 211 |
| 1D-14V-SP2-529 | Traction Ducts & Chambers | 06-Jun-11 | 10 | 20-Jun-11 | 0% | 192 |
| 1D-14V-SP2-720 | Comms Ducts & Chambers | 06-Jun-11 | 0 | | 0% | 202 |
| 1D-14V-SP2-532 | Lighting Ducts | 20-Jun-11 | 2 | 22-Jun-11 | 0% | 645 |
| **Pavement Construction over tracks** | | 25-Jul-11 | 30 | 06-Sep-11 | | 199 |
| 552 | Pavement Construction over tracks | 25-Jul-11 | 30 | 06-Sep-11 | 0% | 199 |
| 1D-14V-SP2-553 | 124mm Binder | 25-Jul-11 | 1 | 26-Jul-11 | 0% | 180 |
| 1D-14V-SP2-554 | 35mm Wearing Course | 26-Jul-11 | 1 | 27-Jul-11 | 0% | 180 |
| 1D-14V-SP2-555 | 15mm Surface Treatment | 05-Sep-11 | 1 | 06-Sep-11 | 0% | 180 |
| **Phase SP2 Carriageway Construction** | | 06-Jun-11 | 64 | 05-Sep-11 | | 721 |
| 556 | Phase SP2 Carriageway Construction | 06-Jun-11 | 64 | 05-Sep-11 | 0% | 721 |
| 1D-14V-SP2-557 | Sub-base 220mm all carriageway areas | 06-Jun-11 | 4 | 10-Jun-11 | 0% | 187 |
| 1D-14V-SP2-558 | Kerbing - Eastbound/Islands/Crossings | 10-Jun-11 | 6 | 20-Jun-11 | 0% | 187 |
| 1D-14V-SP2-810 | Signs / Street Furniture | 14-Jun-11 | 5 | 21-Jun-11 | 0% | 187 |
| 1D-14V-SP2-559 | Gullies | 20-Jun-11 | 1 | 21-Jun-11 | 0% | 646 |
| 1D-14V-SP2-561 | Sub-base shape all carriageway areas | 20-Jun-11 | 1 | 21-Jun-11 | 0% | 646 |
| 1D-14V-SP2-562 | Traffic Signals | 20-Jun-11 | 0 | | 0% | 192 |
| 1D-14V-SP2-563 | Footpath Works | 20-Jun-11 | 6 | 28-Jun-11 | 0% | 641 |
| 1D-14V-SP2-564 | 225mm Base | 21-Jun-11 | 4 | 27-Jun-11 | 0% | 187 |
| 1D-14V-SP2-565 | 60mm Binder | 27-Jul-11 | 2 | 29-Jul-11 | 0% | 180 |
| 1D-14V-SP2-566 | 35mm Wearing Course | 29-Jul-11 | 1 | 05-Sep-11 | 0% | 180 |
| **Haymarket Ch.131,250 - 131,050** | | 28-Mar-11 | 362 | 10-Sep-12 | | 516 |
| 599 | Haymarket Ch.131,250 - 131,050 | 28-Mar-11 | 362 | 10-Sep-12 | 0% | 479 |
| **Phase H1 - Main Area - Eastbound Side** | | 28-Mar-11 | 137 | 11-Oct-11 | | 708 |
| 870 | Phase H1 - Main Area - Eastbound Side | 28-Mar-11 | 137 | 11-Oct-11 | 0% | 695 |
| 1D-14CD-H1-661 | Erect Pedestrian Barrier | 28-Mar-11 | 2 | 30-Mar-11 | 0% | 424 |
| 1D-14CD-H1-662 | Site Clearance & Site Compound | 29-Mar-11 | 5 | 05-Apr-11 | 0% | 698 |
| 1D-14CD-H1-663 | Plane Main Carriageway Area - south of access lane over voids | 30-Mar-11 | 2 | 01-Apr-11 | 0% | 424 |
| 1D-14CD-H1-880 | Core/Cast OLE Pole Foundations | 01-Apr-11 | 7 | 12-Apr-11 | 0% | 492 |
| 1D-14CD-H1-671 | Plane out existing surfacing over remainder of Phase 1 | 26-Apr-11 | 2 | 28-Apr-11 | 0% | 424 |
| 1D-14CD-H1-678 | Mill Rail Joint / Sealing Compound | 30-Sep-11 | 4 | 06-Oct-11 | 0% | 607 |
| **Expose and Infil Underground Chambers (ref TIE plan of 19 June 09)** | | 01-Apr-11 | 16 | 26-Apr-11 | | 510 |




| Date | Revision | Checked | Approved |
|---|---|---|---|
| 11-Feb-11 | ETN Updated Programme - Progress to 18 Feb 11 | JAC | |
| | | | |



Actual Work · Critical Remaining Work · % Complete · Remaining Work · Milestone · Summary

BFB00003289_0152