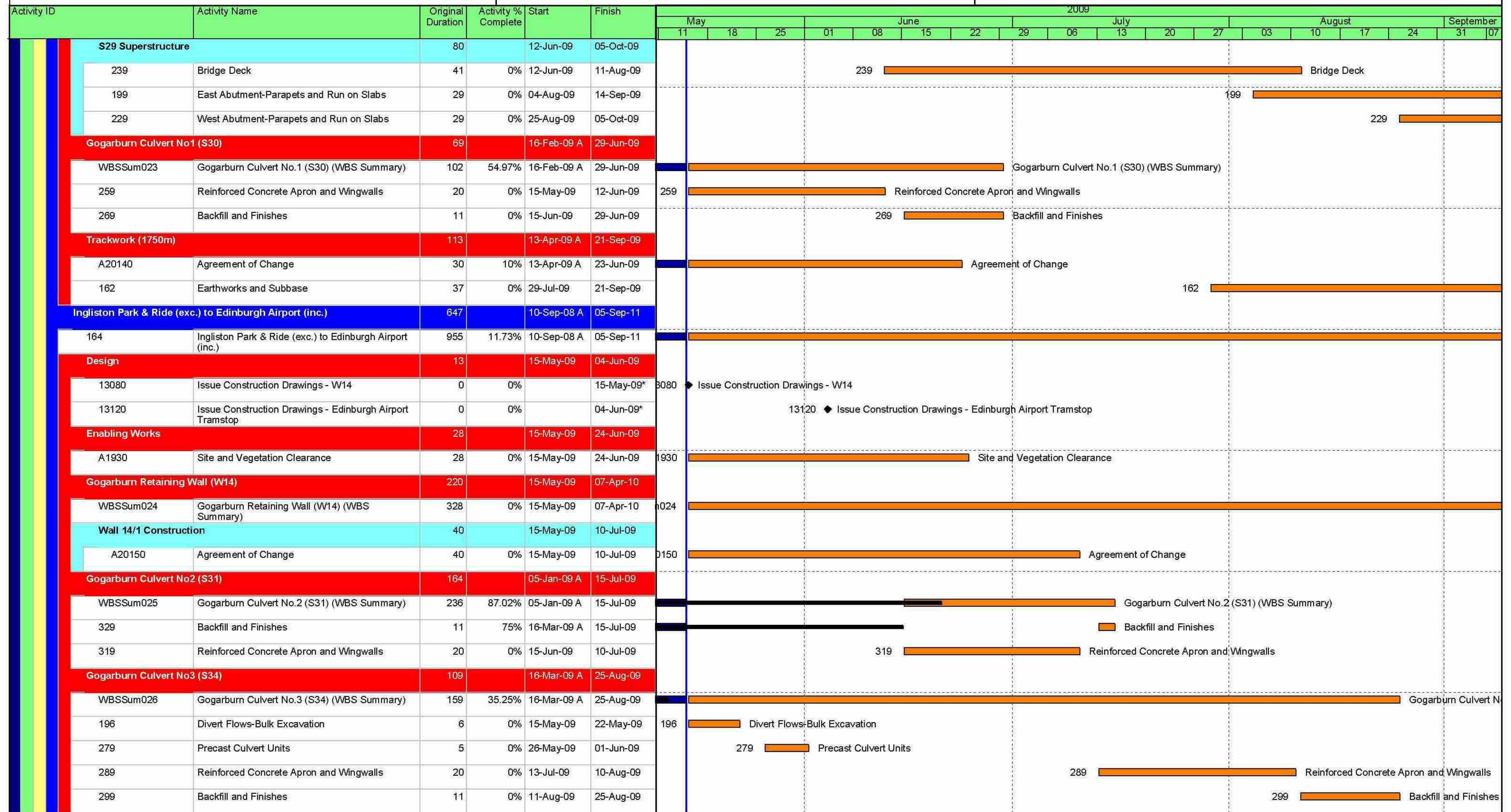


Three Month Look Ahead Programme

May 2009 - August 2009

EDINBURGH TRAM NETWORK



| | | | |
|-----------|---|---------|----------|
| Date | Revision | Chec... | Approved |
| 15-May-09 | Construction Programme Updated V44 & Progress | JAC | |

█ Actual Work ◆ Milestone
█ Normal █ % Complete

CEC00624376_0089

Bilfinger Berger – Siemens – CAF Consortium

10.4 Tram Programme



SUPPLY OF 27 TRAMS FOR THE EDINBURGH TRAM NETWORK
PROJECT PLANNING up to 30th of May

| Id | Name | % | Start | Finish | 2008 | | | | | | | | | | | | 2009 | | | | | | | | | | | | 2010 | | | | | | | | | | | | 2011 | | | | | | | | | | | |
|----|---|------|----------|----------|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|---|---|---|---|---|---|---|---|---|---|---|------|---|---|---|---|---|---|---|---|---|---|---|------|---|---|---|---|--|--|--|--|--|--|--|
| | | | | | M | A | M | J | J | A | S | O | N | D | E | F | M | A | M | J | J | A | S | O | N | D | E | F | M | A | M | J | J | A | S | O | N | D | E | F | M | A | M | J | J | | | | | | | |
| 1 | GENERAL | 100% | 06/05/08 | 06/05/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | NTP | 100% | 06/05/08 | 06/05/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | ENGINEERING | 100% | 06/05/08 | 15/05/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | BASIC ENGINEERING | 100% | 06/05/08 | 13/11/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | MOCK-UP | 100% | 13/05/08 | 05/11/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | DESIGN & MANUFACTURING MOCK-UP | 100% | 13/05/08 | 29/09/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | APPROVAL MOCK-UP | 100% | 30/09/08 | 05/11/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | UNDERFRAME DESIGN | 100% | 01/07/08 | 24/11/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | CARBODY DESIGN | 100% | 28/08/08 | 29/04/09 | Bus Tracker not officially closed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | LIST OF STEEL MATERIALS | 100% | 11/06/08 | 11/06/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | INSTALLATIONS DESIGN | 100% | 24/10/08 | 14/04/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | INTERIORS & FINISHING DESIGN | 100% | 25/11/08 | 15/05/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | BOGIES DESIGN | 100% | 23/07/08 | 15/01/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 1st TRAMSET PROCUREMENT | 96% | 06/05/08 | 01/07/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | SYSTEMS | 96% | 06/05/08 | 01/07/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | SPECIFICATIONS | 100% | 06/05/08 | 04/06/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | SELECTION OF SUPPLIERS | 100% | 21/05/08 | 01/07/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | ORDERS | 100% | 17/06/08 | 29/07/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | INTERFACE 1- Systems Interface Basic Definition | 100% | 30/07/08 | 29/04/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | CAF SYSTEMS | 100% | 30/07/08 | 31/10/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | TPDS | 100% | 30/07/08 | 09/01/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | RADIO | 100% | 30/07/08 | 04/02/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | BUS TRACKER | 100% | 30/07/08 | 29/04/09 | Not officially closed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | INTERFACE 2- Systems Interface Complete Definition | 100% | 25/09/08 | 29/04/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | CAF SYSTEMS | 100% | 25/09/08 | 15/12/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | TPDS | 100% | 25/09/08 | 06/02/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | RADIO | 100% | 25/09/08 | 04/03/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | BUS TRACKER | 100% | 25/09/08 | 29/04/09 | Not officially closed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | MANUFACTURING & PURCHASING & TESTING | 90% | 27/06/08 | 01/07/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | DELIVERY PREASSEMBLIES COMPONENTS | 100% | 15/04/09 | 15/04/09 | ◆ Preassembly material not available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | DELIVERY FIRST EQUIPMENT | 58% | 15/04/09 | 01/07/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | OTHERS COMPONENTS & MATERIALS | 95% | 11/06/08 | 25/06/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | STEEL MATERIALS | 100% | 11/06/08 | 24/11/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | CARBODY COMPONENTS | 100% | 24/10/08 | 16/03/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | INSTALLATIONS COMPONENTS | 100% | 16/12/08 | 29/05/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | INTERIORS & FINISHING COMPONENTS | 79% | 17/02/09 | 25/06/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 1st TRAM MANUFACTURING & TESTING | 40% | 14/11/08 | 04/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | BODYSHELLS MANUFACTURING | 100% | 14/11/08 | 02/06/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | JIGS & TOOLING MANUFACTURING | 100% | 14/11/08 | 16/03/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | FRAME TOOLING | 100% | 14/11/08 | 09/02/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | BODYSHELL TOOLING | 100% | 12/01/09 | 16/03/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 1st BODYSHELL MANUFACTURING | 100% | 25/11/08 | 16/04/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | FIRST PIECES LOT | 100% | 25/11/08 | 07/01/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



SUPPLY OF 27 TRAMS FOR THE EDINBURGH TRAM NETWORK
PROJECT PLANNING up to 30th of May

| Id | Name | % | Start | Finish | 2008 | | | | | | | | | | | | 2009 | | | | | | | | | | | | 2010 | | | | | | | | | | | | 2011 | | | | | | | | | | | |
|-----|--------------------------------------|-----|----------|----------|------|---|---|---|---|---|---|---|---|---|---|---|------|---|---|---|---|---|---|---|---|---|---|---|------|---|---|---|---|---|---|---|---|---|---|---|------|---|---|---|---|--|--|--|--|--|--|--|
| | | | | | M | A | M | J | J | A | S | O | N | D | E | F | M | A | M | J | J | A | S | O | N | D | E | F | M | A | M | J | J | A | S | O | N | D | E | F | M | A | M | J | J | | | | | | | |
| 75 | REMAINING TRAM'S | 2% | 18/03/09 | 04/02/11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 2nd Tram | 17% | 18/03/09 | 04/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | BODYSHELLS MANUFACTURING & FINISHING | 28% | 18/03/09 | 24/12/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | FACTORY & DYNAMIC TESTS | 0% | 09/12/09 | 19/04/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | TRANSPORT | 0% | 19/04/10 | 10/05/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | DELIVERY OF THE TRAM | 0% | 10/05/10 | 10/05/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | COMMISSIONING OF THE TRAM | 0% | 10/05/10 | 04/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 3rd Tram | 13% | 07/04/09 | 04/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | BODYSHELLS MANUFACTURING & FINISHING | 20% | 07/04/09 | 20/01/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | FACTORY & DYNAMIC TESTS | 0% | 05/01/10 | 19/04/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | TRANSPORT | 0% | 19/04/10 | 10/05/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | DELIVERY OF THE TRAM | 0% | 10/05/10 | 10/05/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | COMMISSIONING OF THE TRAM | 0% | 10/05/10 | 04/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | 4th Tram | 8% | 29/04/09 | 04/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | BODYSHELLS MANUFACTURING & FINISHING | 13% | 29/04/09 | 09/02/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | FACTORY & DYNAMIC TESTS | 0% | 25/01/10 | 19/04/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | TRANSPORT | 0% | 19/04/10 | 10/05/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | DELIVERY OF THE TRAM | 0% | 10/05/10 | 10/05/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | COMMISSIONING OF THE TRAM | 0% | 10/05/10 | 04/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 5th Tram | 3% | 20/05/09 | 04/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | BODYSHELLS MANUFACTURING & FINISHING | 5% | 20/05/09 | 01/03/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | FACTORY & DYNAMIC TESTS | 0% | 12/02/10 | 19/04/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | TRANSPORT | 0% | 19/04/10 | 10/05/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | DELIVERY OF THE TRAM | 0% | 10/05/10 | 10/05/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | COMMISSIONING OF THE TRAM | 0% | 10/05/10 | 04/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 6th Tram | 0% | 19/06/09 | 05/07/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | BODYSHELLS MANUFACTURING & FINISHING | 0% | 19/06/09 | 16/03/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 102 | FACTORY TESTS | 0% | 26/02/10 | 01/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | TRANSPORT | 0% | 01/06/10 | 15/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | DELIVERY OF THE TRAM | 0% | 15/06/10 | 15/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 105 | COMMISSIONING OF THE TRAM | 0% | 15/06/10 | 05/07/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 106 | 7th Tram | 0% | 21/07/09 | 05/07/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 107 | BODYSHELLS MANUFACTURING & FINISHING | 0% | 21/07/09 | 31/03/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 108 | FACTORY TESTS | 0% | 15/03/10 | 01/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 109 | TRANSPORT | 0% | 01/06/10 | 15/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | DELIVERY OF THE TRAM | 0% | 15/06/10 | 15/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 111 | COMMISSIONING OF THE TRAM | 0% | 15/06/10 | 05/07/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112 | 8th Tram | 0% | 17/09/09 | 04/08/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 113 | BODYSHELLS MANUFACTURING & FINISHING | 0% | 17/09/09 | 15/04/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 114 | FACTORY TESTS | 0% | 30/03/10 | 01/07/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 115 | TRANSPORT | 0% | 01/07/10 | 15/07/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 116 | DELIVERY OF THE TRAM | 0% | 15/07/10 | 15/07/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 117 | COMMISSIONING OF THE TRAM | 0% | 15/07/10 | 04/08/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CEC00624376_0093



SUPPLY OF 27 TRAMS FOR THE EDINBURGH TRAM NETWORK
PROJECT PLANNING up to 30th of May

| Id | Name | % | Start | Finish | 2008 | | | | | 2009 | | | | | 2010 | | | | | 2011 | | | | | | | | | |
|-----|--|----|----------|----------|------|---|---|---|---|------|---|---|---|---|------|---|---|---|---|------|---|---|---|---|---|---|---|---|---|
| | | | | | M | A | M | J | J | A | S | O | N | D | E | F | M | A | M | J | J | A | S | O | N | D | E | F | M |
| 233 | REMAINING TRAM'S DELIVERIED | 0% | 10/05/10 | 17/01/11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 234 | 2nd, 3rd, 4th & 5th Trams | 0% | 10/05/10 | 10/05/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 235 | 6th & 7th Trams | 0% | 15/06/10 | 15/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 236 | 8th, 9th & 10th Trams | 0% | 15/07/10 | 15/07/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 237 | 11th & 12th Trams | 0% | 16/08/10 | 16/08/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 238 | 13th, 14th & 15th Trams | 0% | 15/09/10 | 15/09/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 239 | 16th, 17th & 18th Trams | 0% | 15/10/10 | 15/10/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240 | 19th, 20th & 21st Trams | 0% | 15/11/10 | 15/11/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 241 | 22nd, 23rd & 24th Trams | 0% | 15/12/10 | 15/12/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 242 | 25th, 26th & 27th Trams | 0% | 17/01/11 | 17/01/11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 243 | REMAINING TRAM'S COMMISSIONED | 0% | 04/06/10 | 04/02/11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 244 | 2nd, 3rd, 4th & 5th Trams | 0% | 04/06/10 | 04/06/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 245 | 6th & 7th Trams | 0% | 05/07/10 | 05/07/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 246 | 8th, 9th & 10th Trams | 0% | 04/08/10 | 04/08/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 247 | 11th & 12th Trams | 0% | 03/09/10 | 03/09/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 248 | 13th, 14th & 15th Trams | 0% | 05/10/10 | 05/10/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 249 | 16th, 17th & 18th Trams | 0% | 04/11/10 | 04/11/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 250 | 19th, 20th & 21st Trams | 0% | 03/12/10 | 03/12/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 251 | 22nd, 23rd & 24th Trams | 0% | 04/01/11 | 04/01/11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 252 | 25th, 26th & 27th Trams | 0% | 04/02/11 | 04/02/11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 253 | SHADOW RUNNING | 0% | 18/04/11 | 16/07/11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 254 | OPENING PASSENGER CARRYNG SERVICE | 0% | 16/07/11 | 16/07/11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 255 | TRAINING COURSE | 0% | 05/02/10 | 12/07/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 256 | 1st course | 0% | 05/02/10 | 11/02/10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 257 | 2nd course | 0% | 06/07/10 | 12/07/10 | | | | | | | | | | | | | | | | | | | | | | | | | |

CEC00624376_0097

INFORME DE AVANCE DE FABRICACIÓN MANUFACTURING STATUS "EDINBURGH TRAM"

1. PLANTILLA MEDICIÓN CAJA / BODYSHELL MEASUREMENT JIG



G-2 Bodyshell in the measurement jig

2. IMPRIMADO DE CAJA / BODYSHELL PRIMER



C-2 Primed

**INFORME DE AVANCE DE FABRICACIÓN
MANUFACTURING STATUS
"EDINBURGH TRAM"****3.- MONTAJE TESTERO/ FRONT NOSE ASSEMBLY**

E-1 Front nose assembled

4.- MONTAJE TABLEROS DE PISO/ FLOOR PANEL ASSEMBLY

E-1 Floor assembly

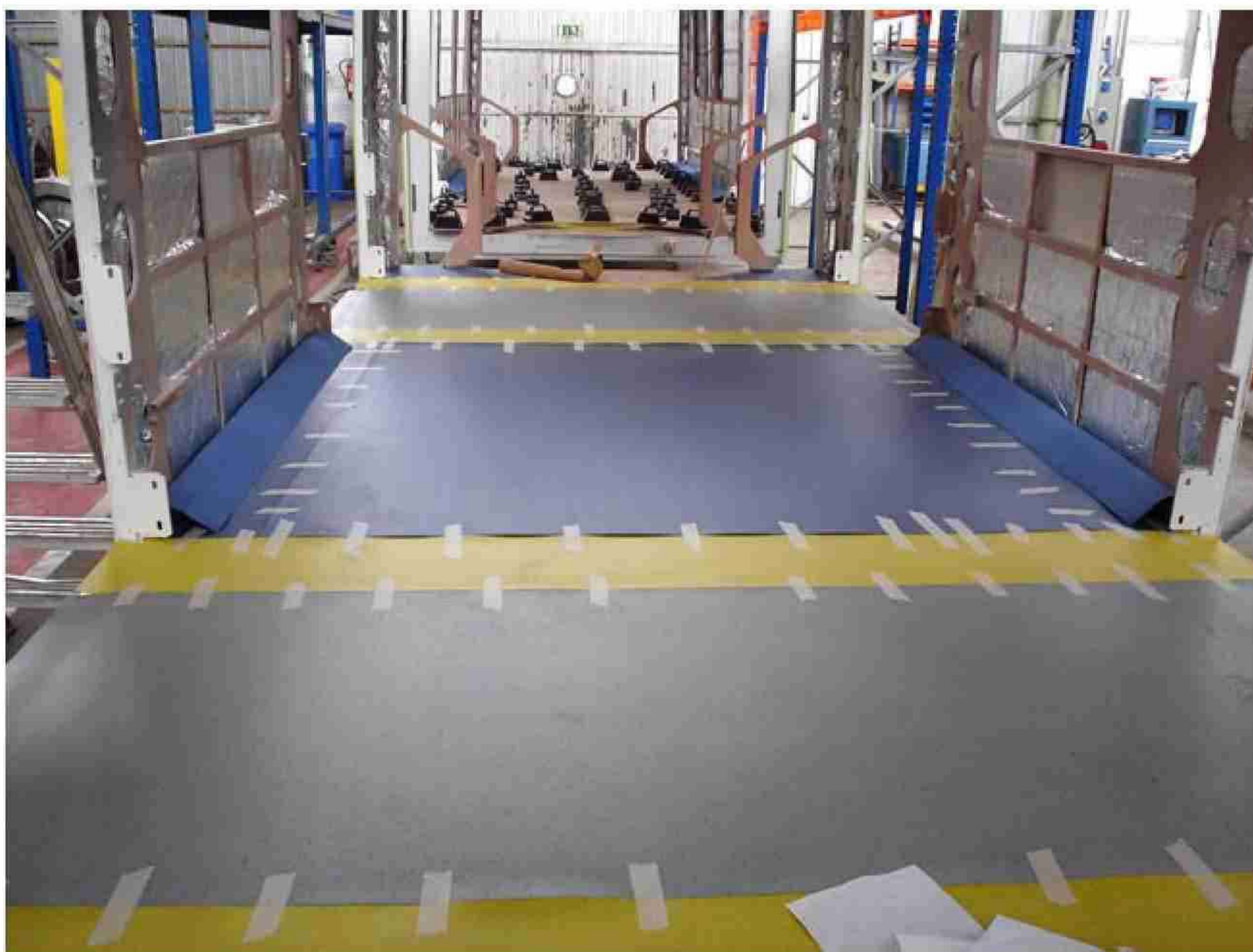
**INFORME DE AVANCE DE FABRICACIÓN
MANUFACTURING STATUS
"EDINBURGH TRAM"**

5.- CAJAS PINTADAS / PAINTED BODYSHELLS



G-1 Painted bodyshell

6.- MONTAJE DE PAVIMENTO/ FLOOR COVERING ASSEMBLY



F-1 Floor cover assembly

**INFORME DE AVANCE DE FABRICACIÓN
MANUFACTURING STATUS
"EDINBURGH TRAM"**



C-1 Floor cover assembly

7.- MONTAJE DE VENTANAS/ WINDOW ASSEMBLY



D-1 Windows assembly

INFORME DE AVANCE DE FABRICACIÓN
MANUFACTURING STATUS
“EDINBURGH TRAM”

| UNIT | STATUS |
|------|---|
| A-1 | Painted Finishing process (floor assembly) |
| B-1 | Painted Finishing process (floor panels, floorcovering and windows assembled) |
| C-1 | Painted Finishing process (floor panels, floorcovering and windows assembled) |
| F-1 | Painted Finishing process (floor panels, floorcovering and windows assembled) |
| G-1 | Painted Finishing process (floor assembly) |
| D-1 | Painted Finishing process (floor panels, floor covering and windows assembled) |
| E-1 | Primed + Front nose assembled Floor panels assembly |

| UNIT | STATUS |
|------|----------------------------------|
| A-2 | Primed |
| B-2 | Primed |
| C-2 | Primed |
| F-2 | Bodyshell finished and measuring |
| G-2 | Bodyshell finished and measuring |
| D-2 | Bodyshell finished and measured |
| E-2 | Bodyshell finished and measured |

| UNIT | STATUS |
|------|-------------------|
| A-3 | Under fabrication |
| B-3 | Under fabrication |
| C-3 | Under fabrication |
| F-3 | Under fabrication |
| G-3 | Under fabrication |
| D-3 | Under fabrication |
| E-3 | Under fabrication |

Signed: Idoia Garmendia
 CAF Q.A.

10.5 RFI Register

Process Register

Company Bilfinger Berger Civil
Channel ETN (<http://etn.mybiw.com>)



| Status | System Ref | WorkPackage Ref | Publishing Company | Title | Content | Publishing User | Issued Date |
|-----------------------------|------------|-----------------|--------------------------------|---|--|-------------------|-------------|
| Needs further clarification | RFI-00065 | BSC-64 | Siemens Transportation Systems | RFI 065 - ELECTRICITY AND METER SUPPLIER | ELECTRICITY AND METER SUPPLIER Issued 03.07.08 - Resposne Received 10.07.08 - TRN-1544 | Roland Brueckmann | 24/07/2008 |
| Needs further clarification | RFI-00074 | BSC-73 | Siemens Transportation Systems | RFI 074 - WASHING PLANT DESIGN | WASHING PLANT DESIGN Issued 11.07.08 - Response Received 16.07.08 - TRN-01584 | Norbert Wunder | 24/07/2008 |
| Needs further clarification | RFI-00075 | BSC-74 | Siemens Transportation Systems | RFI 075 - REQUIREMENTS FPR FLOATING SLAB | REQUIREMENTS FPR FLOATING SLAB Issued 11.07.08 - Response Received 21.07.08 - TRN-01600 | Robert Kraemer | 24/07/2008 |
| Needs further clarification | RFI-00077 | BSC-76 | Siemens Transportation Systems | RFI 077 - RE-ISSUE OF RFI 067 | RE-ISSUE OF RFI 067 Issued 14.07.08 - Response Received 18.07.08 - TRN-01596 | Robert Kraemer | 24/07/2008 |
| Needs further clarification | RFI-00082 | BSC-81 | Siemens Transportation Systems | RFI 082 - TRAMSOP LIGHTING | TRAMSOP LIGHTING Issued 31.07.08 | Roland Brueckmann | 31/07/2008 |
| Needs further clarification | RFI-00099 | BSC-98 | Siemens Transportation Systems | RFI 00099- ETN(DWE)TIE&ABC050014_Compresed Air | Following previous versions of the ER the technical proposal for the DWE considers a Compressed Air | Robert Kraemer | 15/08/2008 |
| Needs further clarification | RFI-00100 | BSC-99 | Siemens Transportation Systems | RFI 00100- ETN(TRW)TIE&ABC#050020 - Value Engineering TRW | Value Engineering Opportunity – Change from Embedded track to ballasted track; Tie reference: INF_CO | Klaus Dieker | 20/08/2008 |
| Needs further clarification | RFI-00103 | BSC-102 | Siemens Transportation Systems | RFI 00103- ETN(SIG)TIE&ABC#050027 Timetable System | Please provide details of the tram timetable system proposed for the Edinburgh Tram project and in p | Robert Kraemer | 25/08/2008 |
| Open | RFI-00110 | | Siemens Transportation Systems | SERVICE VEHICLE PAYLOAD (ETN(DWE)TIE&ABC#050059) | In the Employer's Requirements, Section 29.14-Depot, Provisional Schedule of the Plant and Equipment | Frank Wenzel | 23/09/2008 |
| Needs further clarification | RFI-00116 | | Siemens Transportation Systems | Noise & Vibration Protecting Measures | During a meeting on the requirements for noise & vibration we have been informed by Tie, that co | Robert Kraemer | 07/10/2008 |
| Needs further clarification | RFI-00117 | | Siemens Transportation Systems | Gogar Depot OLE Sectioning | The designed sectioning is flexible but complex, there is an opportunity to simplify, reduced ca | Robert Kraemer | 07/10/2008 |
| Open | RFI-00156 | | Bilfinger Berger Civil | Section 1B | Thus ducts from chamber at approx ch 210 running to and through Jane St have not been lowered an | Frank Young | 20/11/2008 |
| Open | RFI-00162 | | Bilfinger Berger Civil | Section 1B Roadworks | New kerb alignment approx ch 510 - 530 runs through new BT and C&W chambers. Please advise (see | Frank Young | 15/12/2008 |
| Open | RFI-00165 | | Bilfinger Berger Civil | Section 1B Roadworks - high water valve | At approx ch550 RHS a water valve (currently in footpath) which is in the new road construction wi | Frank Young | 06/01/2009 |
| Open | RFI-00166 | | Bilfinger Berger Civil | Section 1B Roadworks - Drawpit ch474 | A new electricity drawpit at approx ch 474 RHS currently on the footway but to be within carriag | Frank Young | 06/01/2009 |
| Open | RFI-00167 | | Bilfinger Berger Civil | Section 1B Roadworks - BT chamber ch 490 | Edge of BT chamber cover at approx ch 490 LHS lies on line of new kerb. (See attached photo). Plea | Frank Young | 06/01/2009 |

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Process Register

Company Bilfinger Berger Civil
 Channel ETN (<http://etn.mybiw.com>)



| | | | | | | | |
|-----------------------------|-----------|--|------------------------|---|--|-------------|------------|
| Needs further clarification | RFI-00168 | | Bilfinger Berger Civil | Section 1B Roadworks - ch 495 gas valve | A gas valve at approx ch 495 RHS will foul the new kerb line (see attached photo). Please advise | Frank Young | 06/01/2009 |
| Open | RFI-00169 | | Bilfinger Berger Civil | Section 1B Roadworks - C&W chamber north radius Crown Place | A new chamber for C&W on the north radius of Crown Place, approx ch110, is fouling the new kerblin | Frank Young | 06/01/2009 |
| Open | RFI-00170 | | Bilfinger Berger Civil | FW:Section 1B Roadworks - ch399 jointing chamber | New chambe | Frank Young | 07/01/2009 |
| Open | RFI-00171 | | Bilfinger Berger Civil | Section 1B Roadworks - FH ch405 RHS | New fire hydrant at ch 405 RHS currently in footway has only120mm cover to spindle but will be in | Frank Young | 08/01/2009 |
| Open | RFI-00172 | | Bilfinger Berger Civil | Section 1B Roadworks -FHs ch446 | 2 No fire hydrants (1 old, 1 new ?) currently on footway but to be in new carriageway only have 85 | Frank Young | 09/01/2009 |
| Open | RFI-00173 | | Bilfinger Berger Civil | Section 1B Roadworks - ch506 FH | Fire hydrant currently in footway but to be in new carriageway only has 80mm cover from current po | Frank Young | 09/01/2009 |
| Open | RFI-00174 | | Bilfinger Berger Civil | Section 1B Roadworks ch 592 drawpit | Drawpit fouling new kerb line at ch592 LHS (see attached photo). Please advise | Frank Young | 09/01/2009 |
| Open | RFI-00180 | | Bilfinger Berger Civil | Section 1B Roadworks - ch 625 RHS BT chamber | The new BT chamber built at ch625 RHS fouls the new kerblin and ducts exiting to the road will ha | Frank Young | 14/01/2009 |
| Needs further clarification | RFI-00181 | | Bilfinger Berger Civil | Section 1B Roadworks - ch 882 BT chamber | BT chamber at ch 882 RHS clashes with new kerblin and ducts exiting across carriageway will only | Frank Young | 14/01/2009 |
| Open | RFI-00182 | | Bilfinger Berger Civil | Section 1B Roadworks - ch710RHS water valve | Valve on new water main at ch 710 RHS lies on new kerblin (see attached photo). Please advise | Frank Young | 14/01/2009 |
| Needs further clarification | RFI-00183 | | Bilfinger Berger Civil | Section 1B Roadworks - ch900 LHS valve | New valve on water main approx ch 900 LHS clashes with new kerblin (see attached photo). Please a | Frank Young | 14/01/2009 |
| Needs further clarification | RFI-00184 | | Bilfinger Berger Civil | Section 1B Roadworks - ch 890 valve | New valve on water main approx ch 890 LHS clashes with new kerblin (see attached photo). Please a | Frank Young | 14/01/2009 |
| Needs further clarification | RFI-00185 | | Bilfinger Berger Civil | Section 1B Roadworks - ch 210 LHS valve | Water valve at ch 210 LHS currently in footway but will be in new carriageway has only approx 120m | Frank Young | 14/01/2009 |
| Needs further clarification | RFI-00186 | | Bilfinger Berger Civil | Section 1B Roadworks - ch 530 RHS drawpit | Existing chamber at approx ch 530 RHS clashes with new kerblin (see attached photos). Please advi | Frank Young | 14/01/2009 |
| Open | RFI-00188 | | Bilfinger Berger Civil | Section 1B Roadworks ch110602 | Water valve/toby clashes with new kerblin at ch 110602 LHS (see attached photo). Please advise | Frank Young | 20/01/2009 |
| Open | RFI-00189 | | Bilfinger Berger Civil | Section 1B Roadworks ch110100 | Water valve/toby clashes with new kerblin at ch 110100 (see attached photo)./ Please advise | Frank Young | 20/01/2009 |
| Open | RFI-00190 | | Bilfinger Berger Civil | Section 1B Roadworks | Water valve/toby at ch111106 LHS clashes with new kerblin (see attached photo). Please advise | Frank Young | 20/01/2009 |

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Process Register

Company Bilfinger Berger Civil
Channel ETN (<http://etn.mybiw.com>)



| | | | | | | | |
|-----------------------------|-----------|--|--------------------------------|---|--|-----------------|------------|
| Open | RFI-00191 | | Bilfinger Berger Civil | Section 1B Roadworks ch111151 | BT chamber at ch111151 LHS clashes with new kerblines (see attached photo). Please advise | Frank Young | 20/01/2009 |
| Open | RFI-00192 | | Bilfinger Berger Civil | Section 1B Roadworks ch111095 | New fire hydrant and 2 valves clash with new kerblines at approx ch 111095 RHS (see attached photo) | Frank Young | 20/01/2009 |
| Open | RFI-00197 | | Bilfinger Berger Civil | Section 1B Roadworks ch 111150 | New water mains at Leith Walk Railway Bridge are completely within pavement make up. Please advise | Frank Young | 20/01/2009 |
| Open | RFI-00211 | | Bilfinger Berger Civil | Section 1B Roadworks | At approx ch 125 RHS - Casselbank St an old steel pipe has been connected to new BT ducting immedi | Frank Young | 03/03/2009 |
| Needs further clarification | RFI-00213 | | Bilfinger Berger Civil | Section 7A - As Built Utility Information | Please provide as built utility information in Section 7A from Culvert 3 location to Airport. | Simon Nesbitt | 03/04/2009 |
| Needs further clarification | RFI-00215 | | Siemens Transportation Systems | TRAMSTOP CABINET KEY SUITE SYSTEM INFORMATION | Can TIE please provide the following:- •Type of key required for Tramstop Cabinet lock to equip | Michael Wilken | 06/04/2009 |
| Needs further clarification | RFI-00216 | | Siemens Transportation Systems | Postal address for Gogar depot and sub-station sites | In order to progress applications for radio license, BT circuit provision etc. Can Tie please | Michael Wilken | 06/04/2009 |
| Needs further clarification | RFI-00217 | | Siemens Transportation Systems | Radio system configuration | Further to the ORR Prelim design review and in particular the requirements for "radio to control c | Michael Wilken | 06/04/2009 |
| Needs further clarification | RFI-00218 | | Siemens Transportation Systems | Ingliston Park and Ride existing CCTV cameras. | Section 35.9.1 of the ER (issue 4) states that "The ODN also needs to allow for 7 existing, plus t | Michael Wilken | 06/04/2009 |
| Needs further clarification | RFI-00219 | | Siemens Transportation Systems | Facilities to be provided at emergency/backup control room? | Section 35.11.1 of the ER states "The ODN shall support the emergency relocation of Control Centre | Michael Wilken | 06/04/2009 |
| Needs further clarification | RFI-00222 | | Siemens Transportation Systems | Lift operation at Murrayfield tramsop. | Section 35.8.1 of the ER (issue 4) states "Each Tramstop platform shall be equipped with at least o | Michael Wilken | 06/04/2009 |
| Needs further clarification | RFI-00223 | | Siemens Transportation Systems | Additional PHP call handler? | Within the Railcom Manager Outline Design review item 4.8 states "PHP call responses. In times of | Michael Wilken | 10/04/2009 |
| Open | RFI-00225 | | Bilfinger Berger Civil | Section 1D - Princes Street | Utility found Ch130+166 11 Kva crossing found at Ch130+166. 6 Nr. cables found. depth to the top of | Frank Young | 30/04/2009 |
| Open | RFI-00226 | | Bilfinger Berger Civil | Section 1C - Princes Street | Utility Found chainage 121+931 approx. Chainage 121+931 approx. 11 KVA. Utility found on the Sout | Frank Young | 30/04/2009 |
| Open | RFI-00227 | | Bilfinger Berger Civil | Section 1C - Princes Street | There is existing Virgin Media ducting and cabling crossing the street at approx ch 121870 which s | Frank Young | 30/04/2009 |
| Open | RFI-00229 | | Bilfinger Berger Civil | System Wide - Tram Stop - Platform 110v power outlet | The requirement for a 110v power supply outlet is made with the Employers Requirements - Schedule | Clifford Styles | 06/05/2009 |
| Open | RFI-00230 | | Bilfinger Berger Civil | As built utilities information Roseburn Street | We understand that tie provided the utilities as-built info incl. x, y, z co-ordinations in the area | Jim Rice | 08/05/2009 |

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Bilfinger Berger – Siemens – CAF Consortium

10.6 Civil Works Procurement Schedule

| Subcontract Procurement / Register Contract : Edinburgh Tram Network | | | | PROGRAMME REQUIREMENTS | | | | | | | | | | PROCESSES | | | | | | | | | |
|---|--|---------|----------------------------|------------------------|---|-----------------------------------|-----------|-----------------------|-----------|--|----------------------------|--|---------------------------------|--|-------------------------------|--------------------|--------------------|------------------|----------------------------|--------------|------------|---------------------|--------------------------|
| Enquiry Ref Number | Subcontract Trade | Section | Company | Prospective Companies | OS | Enquiry Needs Sent Out By (F74-3) | Status | Order Needs Placed By | Status | Letter of Intent Issued / Limited Order to Proceed | Required for Start on Site | Design Package Issued for Construction | F74-1 Subcontract Questionnaire | F519-1 Subcontract Environmental Questionnaire | F74-4 Pre-Award/Start Meeting | F74-5 Quality Plan | Authority to Place | CI 28.2 Approval | F74-9 Questionnaire Review | Order Issued | Order Back | F74-11 Starter Form | F74-2 Performance Review |
| 1 | Land Surveys (SW) | SW | Becker Geomatics Ltd | 1 | KB | n/a | ✓ | n/a | ✓ | | n/a | n/a | ✓ | | ✓ | | | | n/a | ✓ | ✓ | ✓ | |
| 2 | Tree Felling / Advance Works (SW) | SW | W Laing | 1 | JT | n/a | ✓ | n/a | ✓ | | n/a | | | | ✓ | | | | n/a | ✓ | ✓ | ✓ | |
| 3 | Site Clearance / Civils Package (7A) | 7A | Farrans (Construction) Ltd | 1 | DG | n/a | ✓ | n/a | ✓ | | n/a | | ✓ | ✓ | | | | | n/a | ✓ | | ✓ | |
| 4 | Setting Out Engineers / Advance Works | SW | Beattie Chalmers Ltd | 1 | JT | n/a | ✓ | n/a | ✓ | | n/a | | n/a | | | | | | n/a | ✓ | ✓ | ✓ | |
| 5 | Demolition of Caley Alehouse | 2A | John Graham (Dromore) Ltd | 1 | DG | n/a | ✓ | n/a | ✓ | | 16-Jun-08 | | ✓ | ✓ | | | | | n/a | ✓ | | ✓ | |
| 9 | Existing Road Surveys | SW | Mouchel | 1 | KB | n/a | ✓ | n/a | ✓ | | 23-Jun-08 | | ✓ | | ✓ | | | | n/a | ✓ | ✓ | ✓ | |
| 10 | Erection of Temporary Trackside Fencing | 5 | Lumberjax Environmental | 1 | JT | | ✓ | | ✓ | | 21-Jun-08 | | | | | ✓ | | | n/a | ✓ | ✓ | ✓ | |
| 11 | Civils Package | 7A/5C | | 1 | Farrans | DG | 16-Jun-08 | ✓ | 28-Jul-08 | 06-Aug-08 | 04-Aug-08 | | | | | | | ✓ | | | | | |
| 12 | Civils Package | 2A1D5A | | 1 | John Graham (Dromore) Ltd | GA | 23-Jun-08 | ✓ | 21-Jul-08 | | 02-Mar-09 | | | | | | | | | | | | |
| 14 | Advisory Services | SW | Hill International UK Ltd | 1 | KB | | | | | | | | | | | | | | | | | | |
| 16 | Commercial Support | 5 | Kinetic Rail | 1 | KB | | | | | | | | | | | | | | | | | | |
| 17 | Temporary Works Design | SW | Tony Gee | 1 | TG | 12-May-08 | ✓ | 23-Jun-08 | | 30-Jun-08 | n/a | | ✓ | ✓ | | | | n/a | | | | ✓ | |
| 18 | Formwork, Rebar, Concrete | 5 | | 1 | Expanded Ltd, Dunne Gp, Stephenson plus L Onlys | JMD | 23-Jun-08 | ✓ | 21-Jul-08 | | 18-Aug-08 | | | | | | | | | | | | |
| 20 | PC Beams | 5 | Banagher | 1 | TG | 23-Jun-08 | ✓ | 20-Oct-08 | ✓ | | 01-Dec-08 | | | | | | | | | | | | |
| 24 | Photography | SW | White House Studios | 1 | KB | 04-Jun-08 | ✓ | 16-Jul-08 | | n/a | 23-Jul-08 | | ✓ | ✓ | ✓ | n/a | | n/a | | ✓ | | | |
| 25 | Structural Steel | 5 | Fairfield Mabey | 1 | GA | Jan 08 | ✓ | | | 26-Jun-08 | 01-Dec-08 | 28-Jul-08 | ✓ | n/a | | | | | | | | ✓ | |
| 26 | Traffic Management (SW) | SW | Class One | 1 | TG | | ✓ | 22-Jul-08 | | | 05-Aug-08 | | ✓ | ✓ | ✓ | ✓ | | | | | | | |
| 27 | Timber Fencing | SW | | 1 | G Walker, JKF, DE Fencing, Lumberjacks, Alter | TG | | ✓ | | | | | | | | | | | | | | | |
| 29 | IT | SW | RX Comm | 1 | KB | | | | | | | | | | | | | | | | | | |
| 30 | Deck waterproofing & Surface Treatment | SW | | 1 | Universal Sealants, Pitchmastic, Stirling Loyd | DG | | | | | | | | | | | | | | | | | |
| 31 | Metal railings and handrailing | SW | | 1 | DE Fencing, JKF | DG | | | | | | | | | | | | | | | | | |
| 34 | Designers | SW | Parsons Brickerhoff | 1 | KB | | | | | | | | | | | | | | n/a | | | | ✓ |
| 38 | Civils Package | 6 | Barr Ltd | 1 | DG | 26-May-08 | ✓ | 07-Jul-08 | ✓ | 02-Jun-08 | 04-Aug-08 | | ✓ | | | | | ✓ | | ✓ | ✓ | | |
| 42 | Property Conditions Survey | SW | | 1 | DM Hall / PT / DTZ | DG | | | | | | | | | | | | | | | | | |
| 44 | Site Investigation Works | 5 | Raeburn | 1 | JT | 02-Jun-08 | ✓ | 30-Jun-08 | | n/a | 07-Jul-08 | | | | ✓ | | | | | ✓ | | | |
| 45 | Civils Package | 1B | Crummock | 1 | DG | 04-Aug-08 | ✓ | 10-Oct-08 | | 10-Sep-08 | 06-Oct-08 | 07-Jul-08 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | ✓ | |
| 46 | Civils Package | 1D | MacKenzie | 1 | DG | 04-Aug-08 | ✓ | 27-Oct-08 | | 17-Dec-08 | 05-Jan-09 | 04-Jul-08 | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | ✓ | |
| 48 | Control Network Survey Check - Site Wide | | L & M Surveys | 1 | KB | 03-Jul-08 | ✓ | 14-Jul-08 | | | 14-Jul-08 | | | | | | | n/a | ✓ | | | ✓ | |
| 49 | Utility Diversions | SW | | 1 | Core Construction, Clancy Docwra, Intuto | DG | 14-Jul-08 | ✓ | | | | | | | | | | | | | | | |
| 53 | Acoustic Monitoring | SW | RMP Acoustic Consultants | 1 | KB | n/a | | 20-Jul-08 | ✓ | | 27-Jul-08 | | ✓ | ✓ | ✓ | | | n/a | ✓ | ✓ | ✓ | | |
| 55 | Tree Felling Adjacent to NR Rail Network | | W Laing | 1 | KB | 17-Jul-08 | ✓ | 11-Aug-08 | ✓ | n/a | 25-Aug-08 | | | | ✓ | | | | | | ✓ | ✓ | |
| 58 | Ecologist | SW | JDC Ecology Ltd | 1 | KB | | | | | | | | | | ✓ | | | | | | | | |
| 65 | Supply of CRE | SW | Siemens TS | 1 | SK | n/a | | n/a | ✓ | n/a | n/a | | n/a | n/a | n/a | n/a | | n/a | n/a | ✓ | ✓ | | |
| 70 | Groundworks | 5 | Gallagher Goundworks | 1 | SK | 25-Jul-08 | ✓ | 04-Aug-08 | ✓ | n/a | 11-Aug-08 | | | | | | | n/a | | ✓ | ✓ | | |
| 73 | Edinburgh Park Hoarding | 5 | Rapid Hoard Ltd | 1 | JT | 01-Aug-08 | ✓ | 15-Aug-08 | ✓ | n/a | 29-Aug-08 | | | | | | | n/a | | ✓ | ✓ | ✓ | |
| 74 | A8 Underpass | 5 | Expanded Piling Ltd | 1 | GA | 06-Aug-08 | ✓ | 03-Sep-08 | ✓ | 15-Sep-08 | 15-Sep-08 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | |
| 77 | Temporary Traffic Signals | SW | | 1 | DG | | | | | n/a | 02-Oct-08 | | | | | | | | n/a | | | | |
| 80 | Welding Services | | Andrew Turner | 1 | JA | n/a | | 19-Sep-08 | ✓ | n/a | 23-Sep-08 | | n/a | n/a | n/a | n/a | | n/a | n/a | ✓ | | | |
| 81 | Edinburgh Park Structure | 5 | Expanded Structures Ltd | 1 | GA | 03-Oct-08 | ✓ | n/a | | 05-Nov-08 | Nov 08 | | ✓ | n/a | ✓ | | ✓ | ✓ | ✓ | | | ✓ | |
| 82 | Japanese Knotweed Eradication | 5 | TCM Ltd | 1 | GA | 16-Sep-08 | ✓ | n/a | ✓ | 30-Sep-08 | 20-Oct-08 | | ✓ | n/a | ✓ | | | | ✓ | ✓ | | | |
| 84 | Site Clearance | 5 | D Methuen Turnstone Ltd | 1 | JT | n/a | | 15-Sep-08 | ✓ | n/a | 16-Sep-08 | | | n/a | ✓ | n/a | | | n/a | ✓ | ✓ | ✓ | |
| 85 | Traffic Management Design | | Faber Maunsell | 1 | SK | 12-Sep-08 | ✓ | 08-Oct-08 | ✓ | n/a | 10-Oct-08 | | | n/a | | | ✓ | | | ✓ | ✓ | ✓ | |
| 86 | Steel Foundations | S27 | Steel Foundations Ltd | 1 | DT | | | | | 14-Oct-08 | 15-Oct-08 | | ✓ | n/a | ✓ | | | | ✓ | | | ✓ | |



| Subcontract Procurement / Register Contract : Edinburgh Tram Network | | | | PROGRAMME REQUIREMENTS | | | | | | | | | | PROCESSES | | | | | | | | | |
|---|---|---------|-----------------------------|------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------|-------|-----|-------|-----|-------|-----|---|--|--|
| ID | Description | Code | Contractor | QTY | Start | End | Start | End | Start | End | Start | End | Start | End | Start | End | Start | End | Start | End | | | |
| 87 | Temporary Sheet Piling | S23 | McGrattan Piling Ltd | 1 | DT | 06-Oct-08 | ✓ | 20-Oct-08 | | 05-Nov-08 | 20-Nov-08 | | ✓ | n/a | ✓ | | | | ✓ | | ✓ | | |
| 88 | Civils Package | 1A1 | | 1 | RJ McLeod, Barr Ltd, McKean, Land Engineering, Malcom Group | SK | 03-Oct-08 | ✓ | 14-Feb-09 | | | 01-Mar-09 | | n/a | | | | | | | | | |
| 89 | Civils Package | 1A2 | | 1 | RJ McLeod, Barr Ltd, McKean, Land Engineering, Malcom Group | SK | 03-Oct-08 | ✓ | 28-Mar-09 | | | 12-Apr-09 | | n/a | | | | | | | | | |
| 90 | W1, S16, S17 - Structures | 1A | | 1 | Dunne, McKean, Expanded | SK | 03-Oct-08 | ✓ | 10-Nov-08 | | | 05-Jan-09 | | n/a | | | | | | | | | |
| 91 | Temporary Traffic Signals | | Lochwynd | 1 | | SK | | | | | | 12-Dec-08 | | n/a | | ✓ | ✓ | | ✓ | ✓ | ✓ | | |
| 95 | Site Clearance | 5B / 5C | MW Groundworks Ltd | 1 | | JT | 28-Nov-08 | ✓ | 12-Dec-08 | | n/a | 22-Dec-08 | | ✓ | n/a | ✓ | n/a | | ✓ | ✓ | ✓ | | |
| 96 | Fencing to Consortium Office | | Willaim Houston Landscaping | 1 | | JT | 19-Dec-08 | ✓ | 16-Jan-09 | | n/a | | | ✓ | n/a | n/a | | ✓ | ✓ | ✓ | ✓ | | |
| 100 | Temporary Traffic Signals | 1 | Siemens Traffic Controls | 1 | | SK | | | ✓ | 09-Jan-09 | 10-Jan-09 | | n/a | n/a | n/a | n/a | ✓ | ✓ | n/a | ✓ | ✓ | | |
| 101 | Amendments to Existing Traffic Signals | 1 | Telent | 1 | | SK | n/a | | 19-Jan-09 | ✓ | n/a | 26-Jan-09 | | ✓ | n/a | | ✓ | n/a | | ✓ | ✓ | | |
| 102 | Amendments to Existing Traffic Signals | 1 | Peek | 1 | | SK | n/a | | 19-Jan-09 | ✓ | n/a | 26-Jan-09 | | ✓ | n/a | n/a | ✓ | ✓ | n/a | ✓ | ✓ | | |
| 104 | Civils Package | 1C2 | | 1 | RJ McLeod, Barr Ltd, McKeen, Land Engineering, Malcom Group, VVJ Harte | SS | | | | | | | | n/a | | | | | | | | | |
| 107 | Tramstop Shelters & Ancillary Equipment | SW | | 1 | Broxap, McGrath, RVWS, Clearchannel, Macemain | SK | 01-Mar-09 | ✓ | | | | | | ✓ | n/a | | | | | | | | |
| 108 | Substation Prefab Buildings | SW | | 1 | Gladson, Portastor | SK | 01-Mar-09 | ✓ | | | | | | ✓ | n/a | | | | | | | | |
| 109 | Streetlighting | SW | | 1 | BEAR, Harte, Pegasus, SBContracts, Lightways, Edminston & Brown, Orion | SK | | | | | | | | n/a | | | | | | | | | |

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10.7 Change Register