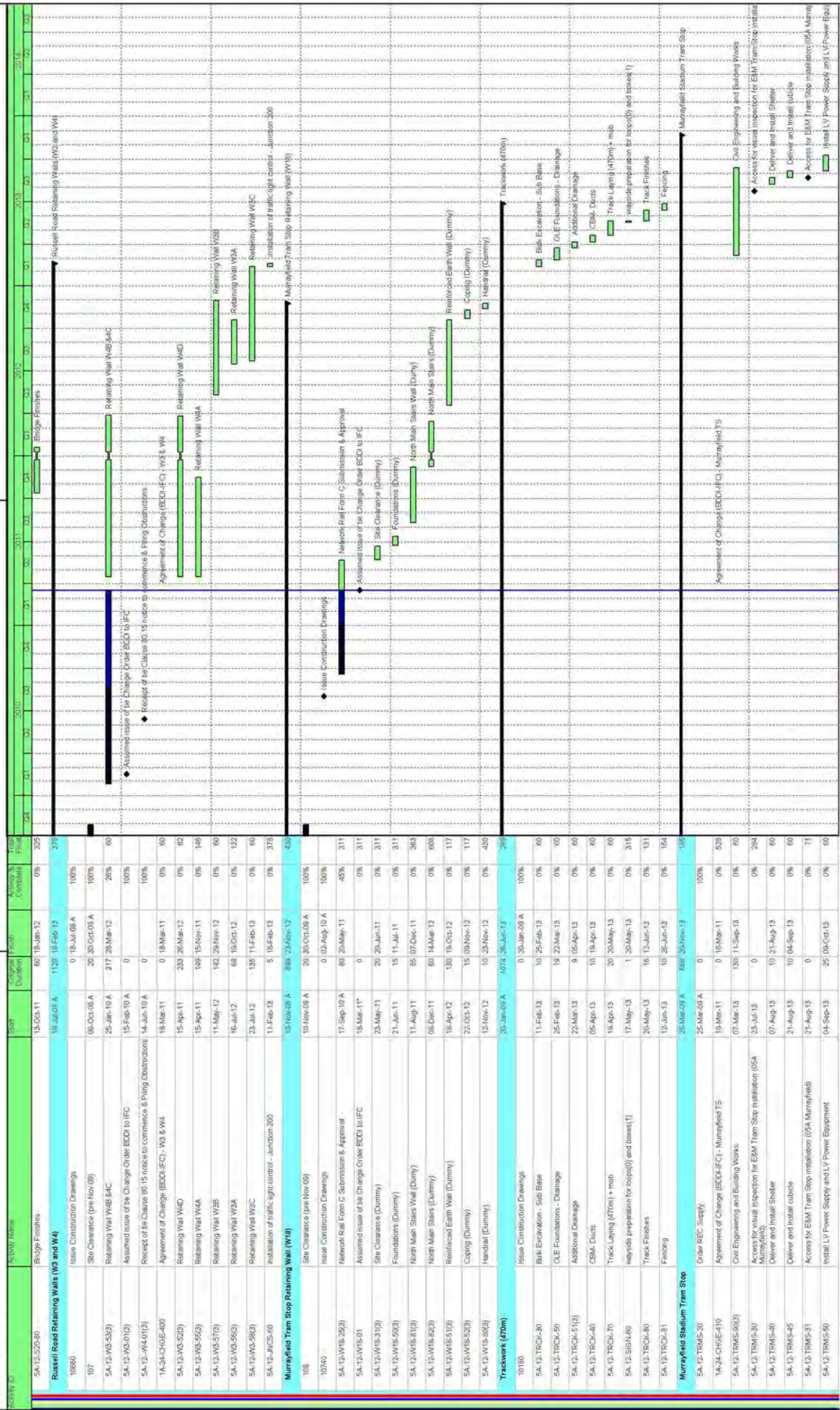


Update Programme

Updated for V67 Design Programme,  
and progress to 18 March 2011 .

EDINBURGH TRAM NETWORK



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11-Mar-11	ETN Updated Programme - Progress to 18 Mar 11	JAC	







Activity ID	Activity Name	Start	Complete Duration	Final	Activity % Complete	Activity % Complete	Year	Month	Day	Year	Month	Day
5A-11-S21C-61	Roof	17-Nov-11	20	14-Dec-11	0%	288	2011	11	17	2011	12	14
5A-11-S21C-62	Parapet Walls	05-Dec-11	15	11-Jan-12	0%	288	2011	12	05	2012	01	11
5A-11-S21C-60	Finishes	12-Jan-12	10	25-Jan-12	0%	288	2012	01	12	2012	01	25
<b>Murrayfield Retaining Walls (S21D)</b>												
5A-11-S21D-253	Network Rail Form C Submission & Approval	01-Sep-10 A	230	30-Mar-12	45%	265	2010	09	01	2012	03	30
5A-11-S21D-019	Assumed Issue of the Change Order BDD to IFC	01-Sep-10 A	80	20-May-11	0%	265	2010	09	01	2011	05	20
5A-11-S21D-019	Issue Construction Drawings	18-Mar-11*	0		0%	265	2011	03	18			
10730	Issue Construction Drawings	0	18-Mar-11*		0%	34	2011	03	00			
5A-11-S21D-619	Sheet Piling, Ground Anchors & bulk excavation	22-May-11	16	04-Sep-11	0%	59	2011	05	22	2011	09	04
5A-11-S21D-51	Foundations	25-May-11	15	10-Jul-11	0%	225	2011	05	25	2011	07	10
5A-11-S21D-603	Reinforced Earth Wall to underside of S21E abutment	05-Sep-11	25	07-Oct-11	0%	270	2011	09	05	2011	10	07
5A-11-S21D-52(3)	Reinforced Earth Wall after S21E abutment	16-Nov-11	65	24-Feb-12	0%	294	2011	11	16	2012	02	24
5A-11-S21D-53	Coping	27-Feb-12	15	16-Mar-12	0%	251	2012	02	27	2012	03	16
5A-11-S21D-80	Handrail	16-Mar-12	10	30-Mar-12	0%	251	2012	03	16	2012	03	30
5A-11-S21E-01	Water of Leith Bridge (S21E)	25-Jul-08 A	970	15-Feb-12	62%	625	2008	07	25	2012	02	15
10770	Issue Construction Drawings	0	25-Jul-08 A		100%		2008	07	25			
5A-11-S21E-243	Network Rail Form C Submission & Approval	02-Jun-10 A	89	20-May-11	45%	261	2010	06	02	2011	05	20
5A-11-S21E-013	Assumed Issue of the Change Order BDD to IFC	18-Mar-11*	0		0%	261	2011	03	18			
5A-11-S21E-363	Sewer Diversion	15-Apr-11	20	16-May-11	0%	265	2011	04	15	2011	05	16
5A-11-S21E-493	Additional Piling	23-May-11	20	20-Jun-11	0%	261	2011	05	23	2011	06	20
5A-11-S21E-51	Leaf Pile	21-Jun-11	84	17-Oct-11	0%	261	2011	06	21	2011	10	17
5A-11-S21E-52	End Supports	18-Oct-11	18	10-Nov-11	0%	261	2011	10	18	2011	11	10
5A-11-S21E-60	Superstructure	11-Nov-11	59	15-Feb-12	0%	263	2011	11	11	2012	02	15
5A-11-S21E-60	Superstructure	11-Nov-11	59	15-Feb-12	0%	263	2011	11	11	2012	02	15
<b>Baird Drive Retaining Walls (W6)</b>												
10690	Issue Construction Drawings	0	01-Aug-08 A		100%		2008	08	01			
114	Site Clearance (pre Nov 09)	16-Nov-08 A	10	30-Oct-08 A	100%		2008	11	16	2008	10	30
5A-11-W6-1(2)	Receipt of Clause 80.15 notice (followed by further SI)	26-Mar-10 A	0		100%		2010	03	26			
5A-11-W6-252	Network Rail Form C Submission & Approval	13-Apr-10 A	66	07-Oct-10 A	100%		2010	04	13	2010	10	07
1A-24-CHGE-439	Agreement of Change (BDD/FC) - W6 Baird Dr W	16-Mar-11	0	18-Mar-11	0%	127	2011	03	16	2011	03	18
5A-11-W6-5(2)	Foundations (inc Piling)	15-Apr-11	25	23-May-11	0%	127	2011	04	15	2011	05	23
5A-11-W6-52	Reinforced Earth Wall to underside of S21E abutment	24-May-11	45	26-Jul-11	0%	127	2011	05	24	2011	07	26
5A-11-W6-52	Reinforced Earth Wall after S21 E abutment	11-Nov-11	45	26-Jun-12	0%	272	2011	11	11	2012	06	26
5A-11-W6-53	Coping	27-Jan-12	15	16-Feb-12	0%	272	2012	01	27	2012	02	16
5A-11-W6-50	Handrail	17-Feb-12	10	01-Mar-12	0%	272	2012	02	17	2012	03	01
<b>Balgreen Road Bridge (S22) and Retaining Walls (W9)</b>												
5A-11-S22A-1003	Network Rail Form C Submission & Approval	27-Jun-10 A	0	20-Jul-12	0%	127	2010	06	27	2012	07	20
5A-11-S22A-1003	Agreement of Change (BDD/FC) - S22A Balgreen Rd Br	27-Jun-10 A	-341	01-Sep-11	12%	127	2010	06	27	2011	09	01
1A-24-CHGE-440	Agreement of Change (BDD/FC) - S22A Balgreen Rd Br	18-Mar-11	0	18-Mar-11	0%	173	2011	03	18	2011	03	18
5A-11-S22A-1003	TTM	27-Jul-11	1	27-Jul-11	0%	127	2011	07	27	2011	07	27
5A-11-S22A-1003	Site Clearance, Demolition and Safety Fencing	26-Jul-11	20	25-Aug-11	0%	127	2011	07	26	2011	08	25
5A-11-S22A-1003	Reduce Ground Level at Top of Embankment	26-Aug-11	5	01-Sep-11	0%	127	2011	08	26	2011	09	01
<b>Abutment 1</b>												
5A-11-S22A-130(2)	Sheet Piling	02-Sep-11	59	22-Feb-12	0%	137	2011	09	02	2012	02	22
5A-11-S22A-140(3)	Excavation behind sheet pile wall	02-Sep-11	10	16-Sep-11	0%	127	2011	09	02	2011	09	16
5A-11-S22A-140(3)	Excavation behind sheet pile wall	16-Sep-11	5	22-Sep-11	0%	134	2011	09	16	2011	09	22
5A-11-S22A-150(2)	Install Piling Rig	23-Sep-11	1	23-Sep-11	0%	134	2011	09	23	2011	09	23

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Actual Work

Remaining Work

Critical Remaining Work

Milestone

% Complete

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Activity Name	Start	Original Duration	Final Duration	Activity % Complete	Plan	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Balgreen Road Tram Stop</b>														
10/790 Issue Construction Drawings	24-Jul-09	122	15-Jul-12	100%	276									
5A-11-TRMS-20 Order REC Supply	25-Mar-09	0	0	100%										
5A-11-TRMS-30 Civil Engineering and Builders Work	05-Sep-12	66	05-Dec-12	0%	167									
5A-11-TRMS-30 Access for visual inspection for EAM Tram Stop installation (OSA Balgreen Road)	15-Oct-12	0		0%	484									
5A-11-TRMS-40 Deliver and install Shelter	01-Nov-12	10	14-Nov-12	0%	167									
5A-11-TRMS-51 Access for EAM Tram Stop installation (OSA Balgreen Road)	14-Nov-12	0		0%	292									
5A-11-TRMS-45 Deliver and install cubicle	11-Apr-13	10	25-Apr-13	0%	73									
5A-11-TRMS-50 Install LV Power Supply and LV Power Equipment	25-Apr-13	25	03-Jun-13	0%	153									
5A-11-TRMS-70 Install Telecom Equipment	03-Jun-13	20	01-Jul-13	0%	163									
5A-11-TRMS-60 Install Station Control Equipment + AFC Equipment	03-Jun-13	25	08-Jul-13	0%	153									
5A-11-TRMS-80 Package Test Tramstop	08-Jul-13	5	15-Jul-13	0%	153									
<b>Jenners Depository Sub Station</b>														
1A-24-OHLE-60 Agreement of Change (BDO/FC) - Jenners Depository SS	18-Mar-11	212	27-Jun-12	84%	441									
5A-11-SUBS-30 Civil Engineering and Building Works	10-Jun-11	65	12-Sep-11	0%	441									
5A-11-SUBS-30 Access for visual inspection for EAM Substation installation (OSA Jenners Depository)	12-Aug-11	0		0%	796									
5B-10-SUBS-100 cable and for Power lifted	12-Aug-11	5	18-Aug-11	0%	741									
5A-11-SUBS-31 Access for EAM Substation installation (OSA Jenners Depository)	12-Sep-11	0		0%	467									
5B-10-SUBS-45 Install HV Power Supply and Equipment (SP)	12-Sep-11	15	05-Oct-11	0%	441									
5A-11-SUBS-50 Install LV Power Supply and LV Power Equipment	03-Oct-11	15	24-Oct-11	0%	519									
5B-10-SUBS-55 Energisation Scottish Power	17-Oct-11	0		0%	704									
5A-11-SUBS-40 Power lifted from Public Net available inc HV cables	18-Oct-11	0		0%	704									
5A-11-SUBS-70 Install Telecom and Scada	24-Oct-11	15	14-Nov-11	0%	519									
5A-11-SUBS-60 Installation of TPS Equipment	14-Nov-11	30	08-Jun-12	0%	519									
5A-11-SUBS-80 Testing and Commissioning	08-Jan-12	14	27-Jan-12	0%	519									
<b>36B Balgreen Road (exc) to Edinburgh Park Central (inc)</b>														
118	23-Nov-08	228	30-May-13	31%	418									
119	25-May-08	1820	30-May-13	55.3%	465									
<b>MUDCA &amp; Utilities Completions</b>														
5B-05-UTL-10-3	04-Jun-10	0	04-Jun-10	100%										
5B-05-UTL-10-3	04-Jun-10	0	04-Jun-10	100%										
<b>E &amp; M Installation</b>														
5B-07-OHLE-30	21-Nov-11	0		0%	881									
5B-07-ELEC-30	21-Nov-11	0		0%	881									
5B-07-ELEC-40	20-Dec-11	7	12-Jan-12	0%	653									
5B-07-OHLE-31	20-Dec-11	0		0%	627									
5B-07-ELEC-31	20-Dec-11	0		0%	645									
5B-07-SIGWV-60	20-Dec-11	7	12-Jan-12	0%	645									
5B-08-OHLE-30	10-Jan-12	0		0%	714									
5B-08-ELEC-30	10-Jan-12	0		0%	714									
5B-05-SIGWV-40	06-Feb-12	15	26-Feb-12	0%	711									
5B-08-ELEC-31	06-Feb-12	0		0%	671									
5B-07W6-TELC-40	06-Feb-12	8	26-Feb-12	0%	662									
5B-05-SIGWV-60	08-Feb-12	8	26-Feb-12	0%	645									
5B-08-OHLE-31	08-Feb-12	0		0%	656									
5B-05-ELEC-40	08-Feb-12	8	26-Feb-12	0%	684									
5B-05-SIGWV-60	23-Feb-12	5	26-Feb-12	0%	711									

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Actual Work Remaining Work % Complete

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Activity Code	Activity Name	Start	Original Duration	Final Duration	Activity % Complete	Year
55-06-SI04-50	Commissioning of SIC-involving cabling EPS	01-Mar-12	5	07-Mar-12	0%	11
55-07-08-OHLE-50	Installation of poles and building triverts - 16 (52.3056 - 52.4464)	07-Mar-12	9	19-Mar-12	0%	627
55-09-ELEC-30	Access for visual inspection to cable pits for cable laying SGT - BNK	28-Mar-12	0	0	0%	559
55-09-OHLE-60	Access for visual inspection for EAM wayside installation SGT - BNK	28-Mar-12	0	0	0%	558
55-07-08-OHLE-60	Overhead Catenary Line -16 (52.3056 - 52.4464 + 52.3621 - 52.3686)	02-Apr-12	24	04-May-12	0%	627
55-10-ELEC-30	Access for visual inspection to cable pits for cable laying BAL - SGT	16-Apr-12	0	0	0%	715
55-10-OHLE-30	Access for visual inspection for EAM wayside installation BAL - SGT	16-Apr-12	0	0	0%	715
55-09-SIGNW-60	Install Signaling Wayside Equipment SGT - BNK	30-Apr-12	10	14-May-12	0%	554
55-09-ELEC-31	Access to cable pits for cable laying SGT - BNK	30-Apr-12	0	0	0%	559
55-09-05-TELC-60	Install Fibre Optic Cables SGT - BNK - EPS	30-Apr-12	9	11-May-12	0%	554
55-09-08-OHLE-50	Installation of poles and building triverts -16 (52.1827 - 52.3273)	30-Apr-12	10	14-May-12	0%	543
55-09-OHLE-31	Access for EAM wayside installation SGT - BNK	30-Apr-12	0	0	0%	543
55-06-ELEC-40	Install Electrical Cables SGT - BNK	30-Apr-12	10	14-May-12	0%	554
55-09-08-OHLE-60	Overhead Catenary Line -15 (52.1827 - 52.3273)	15-May-12	24	16-Jun-12	0%	543
55-09-10-OHLE-60	Install Fibre Optic Cables BAL - SGT - BNK	17-May-12	12	04-Jun-12	0%	556
55-09-10-OHLE-50	Installation of poles and building triverts -14 (52.0835 - 52.2032)	17-May-12	10	31-May-12	0%	607
55-10-ELEC-31	Access to cable pits for cable laying BAL - SGT	17-May-12	0	0	0%	556
55-10-SIGNW-60	Install Signaling Wayside Equipment BAL - SGT	17-May-12	13	05-Jun-12	0%	554
55-10-OHLE-31	Access for EAM wayside installation BAL - SGT	17-May-12	0	0	0%	529
55-10-ELEC-40	Install Electrical Cables BAL - SGT	17-May-12	13	05-Jun-12	0%	554
55-09-10-OHLE-60	Overhead Catenary Line -14 (52.0835 - 52.2032)	18-Jun-12	26	24-Jul-12	0%	607
55-10-11-TELC-60	Install Fibre Optic Cables MJS - BAL - SGT	02-May-13	12	20-May-13	0%	168
119	Balgreen Road (exc 1 to Saughton Road North) (inc)	13-Jun-09 A	24	15-May-12	100%	82
120	Balgreen Road (exc 1 to Saughton Road North) (inc)	13-Jun-09 A	1431	16-May-12	70.24%	82
121	Balgreen Road (exc 1 to Saughton Road North) (inc)	10-Jul-08 A	725	23-Jun-11	78%	8
122	Carriackrow Bridge (S23)	0	10-Jul-08 A	100%	100%	373
123	Issue Construction Drawings	16-Mar-11	0	19-Mar-11	0%	373
124	Agreement of Change (BDOUFIC) - S23 Carriackrow Br	24-Oct-08 A	552	23-Jun-11	100%	166
125	Carriackrow Bridge (S23)	20-Oct-08 A	652	23-Jun-11	78%	87
126	Establishment	20-Oct-08 A	678	23-Jun-11	96.85%	87
127	Temporary Fencing	20-Oct-08 A	9	05-Dec-08 A	100%	87
128	Hull Roads	20-Oct-08 A	5	03-Dec-08 A	100%	87
129	Erect Network Rail Safety Barrier	16-Nov-08 A	2	05-Dec-08 A	100%	87
130	Possessions 1 (13hrs)	23-Nov-08 A	0	0	100%	87
131	Possessions 2 (13hrs)	23-Nov-08 A	0	0	100%	87
132	Remove Crank Deck and Benches	25-Jun-11	1	23-Jun-11	0%	87
133	Possessions 4 (13hrs)	0	22-Jun-11	0%	1158	87
134	North Abutment	19-Dec-08 A	431	05-Oct-10 A	100%	87
135	North Abutment	16-Dec-08 A	448	05-Oct-10 A	100%	87
136	Abutment Wall	25-Oct-08 A	68	05-Oct-10 A	100%	87
137	Shutter front face	25-Oct-08 A	6	25-Oct-09 A	100%	87
138	Shutter front face (per Nov 09)	25-Oct-08 A	6	25-Oct-09 A	100%	87
139	Steelfiling (per Nov 09)	26-Oct-08 A	8	30-Oct-09 A	100%	87
140	Steelfiling	06-Nov-09 A	6	18-Nov-09 A	100%	87

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Actual Work

Remaining Work

Critical Remaining Work

Milestone

% Complete

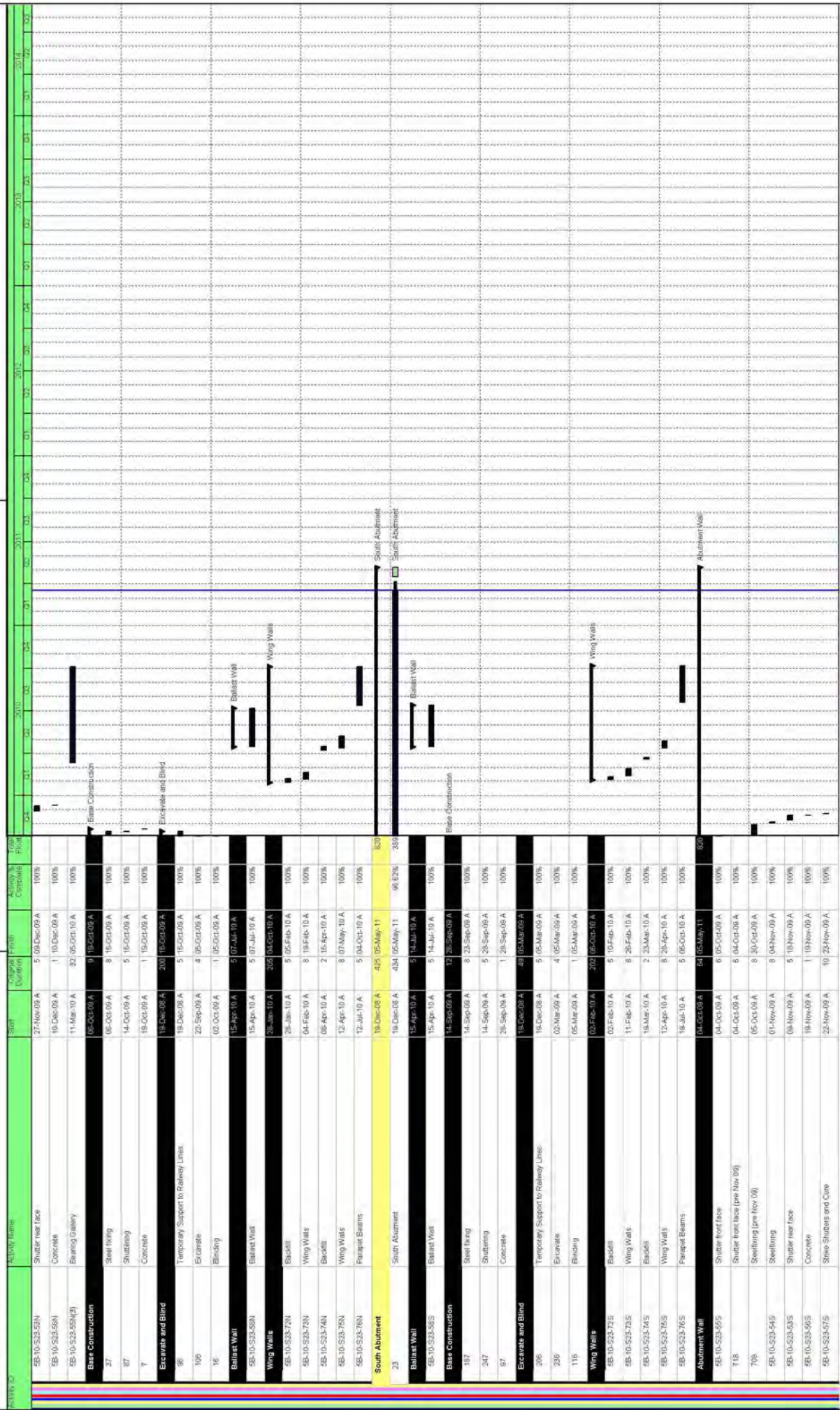
Summary



Update Programme

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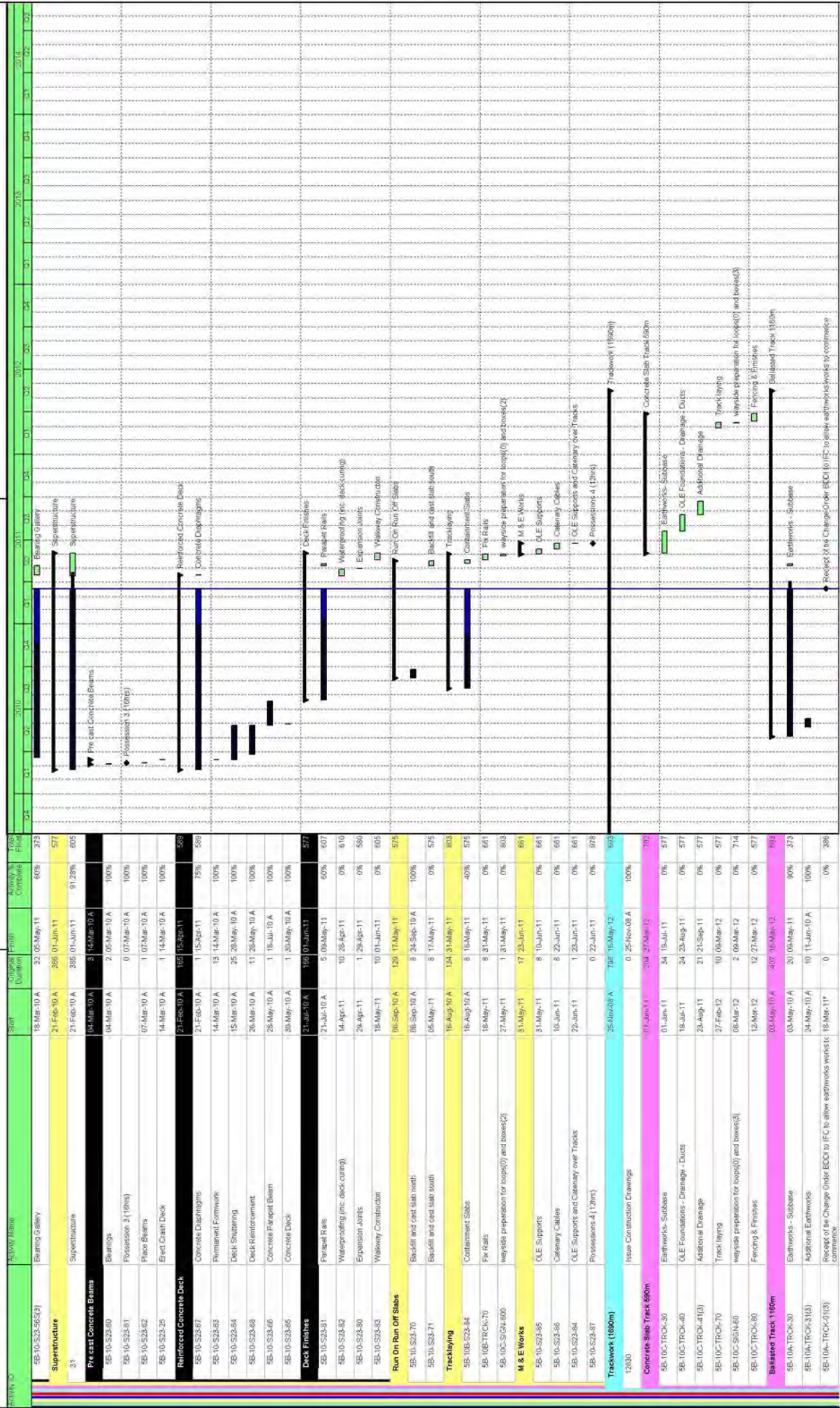
EDINBURGH TRAM NETWORK



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█ Actual Work   
 █ Remaining Work   
 █ Critical Remaining Work   
 ◆ Milestone   
 ◆ % Complete   
 ◆ Summary





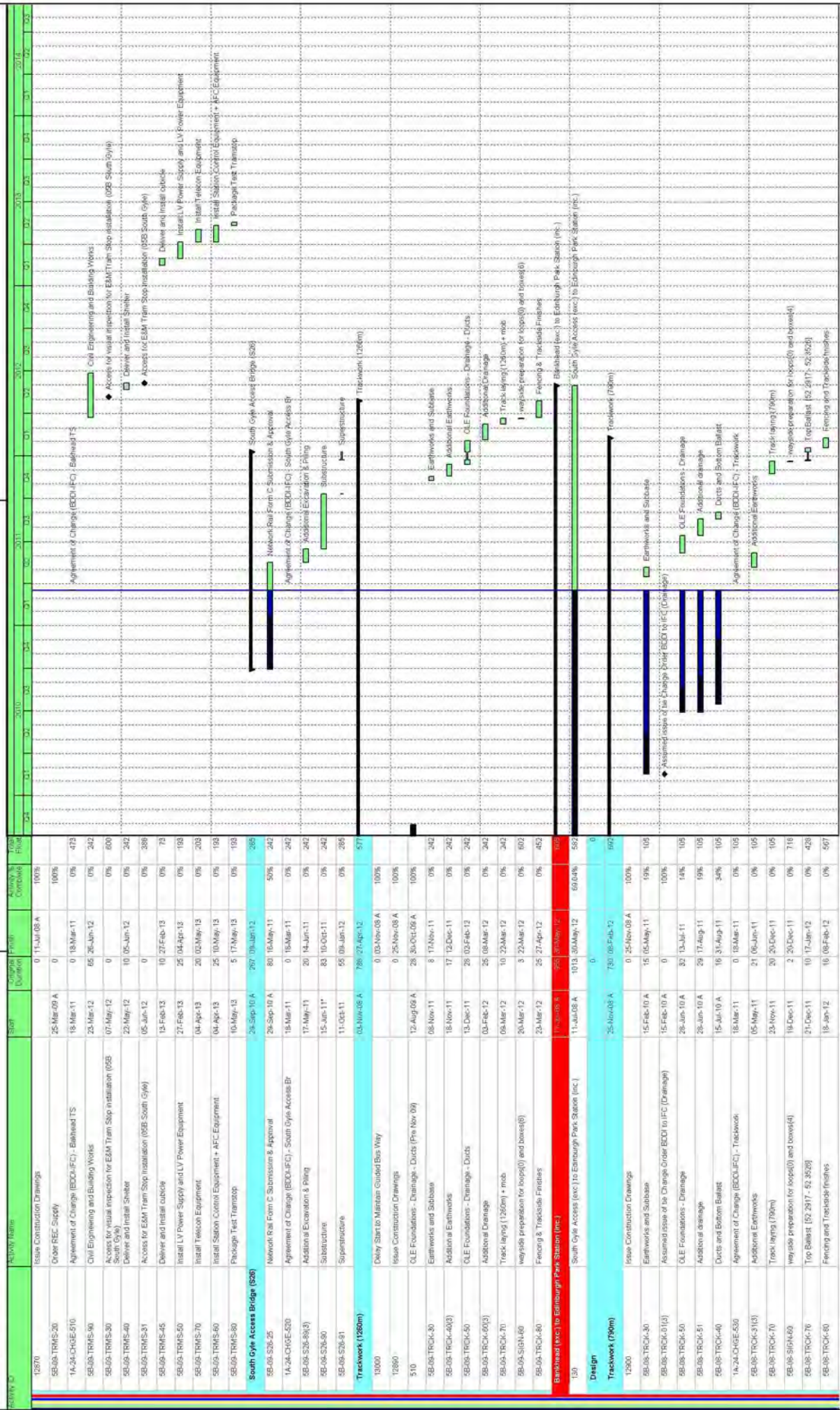
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█ Actual Work  
█ Remaining Work  
█ Critical Remaining Work  
◆ Milestone  
▬ % Complete  
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Actual Work

Remaining Work

Critical Remaining Work

Milestone

% Complete

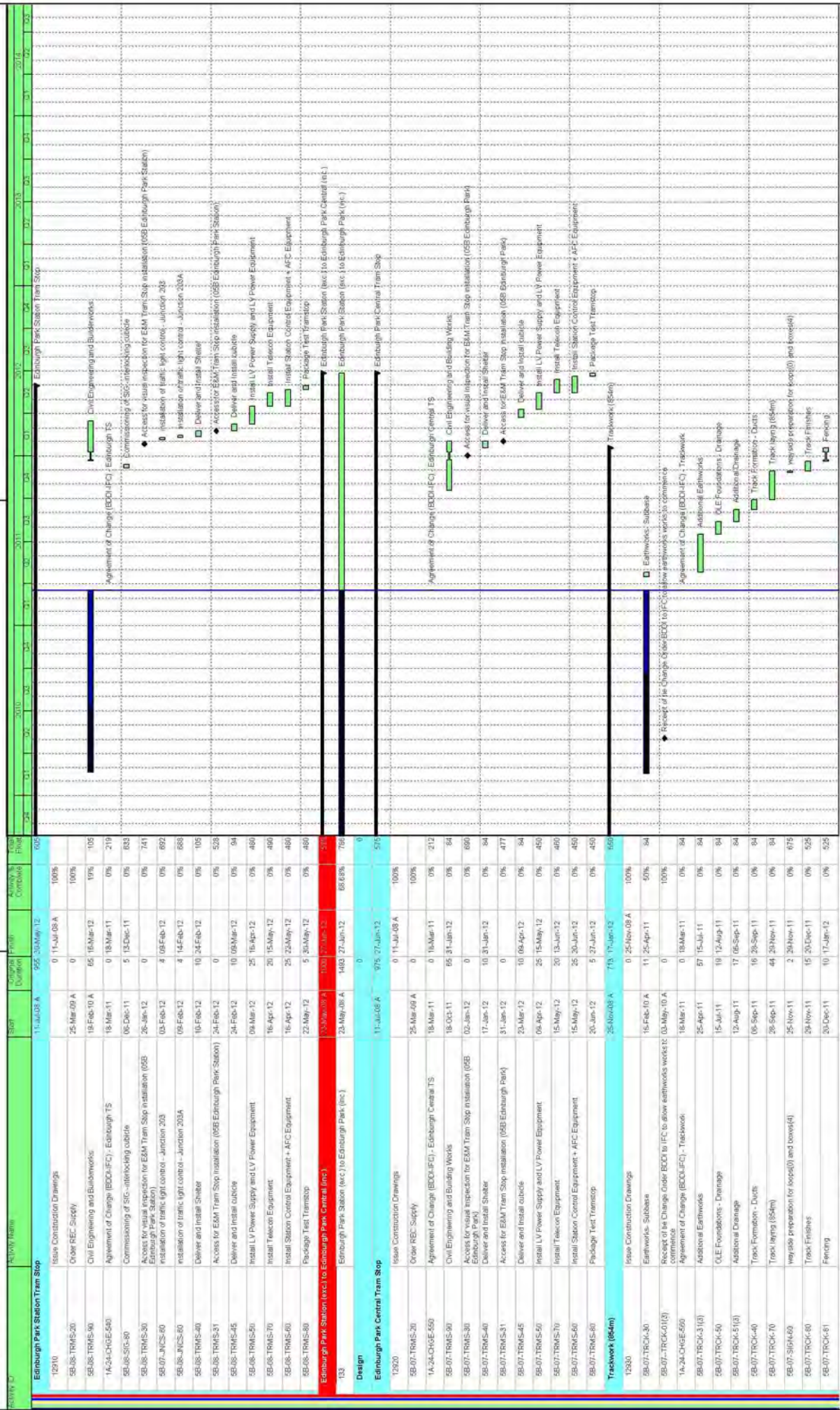
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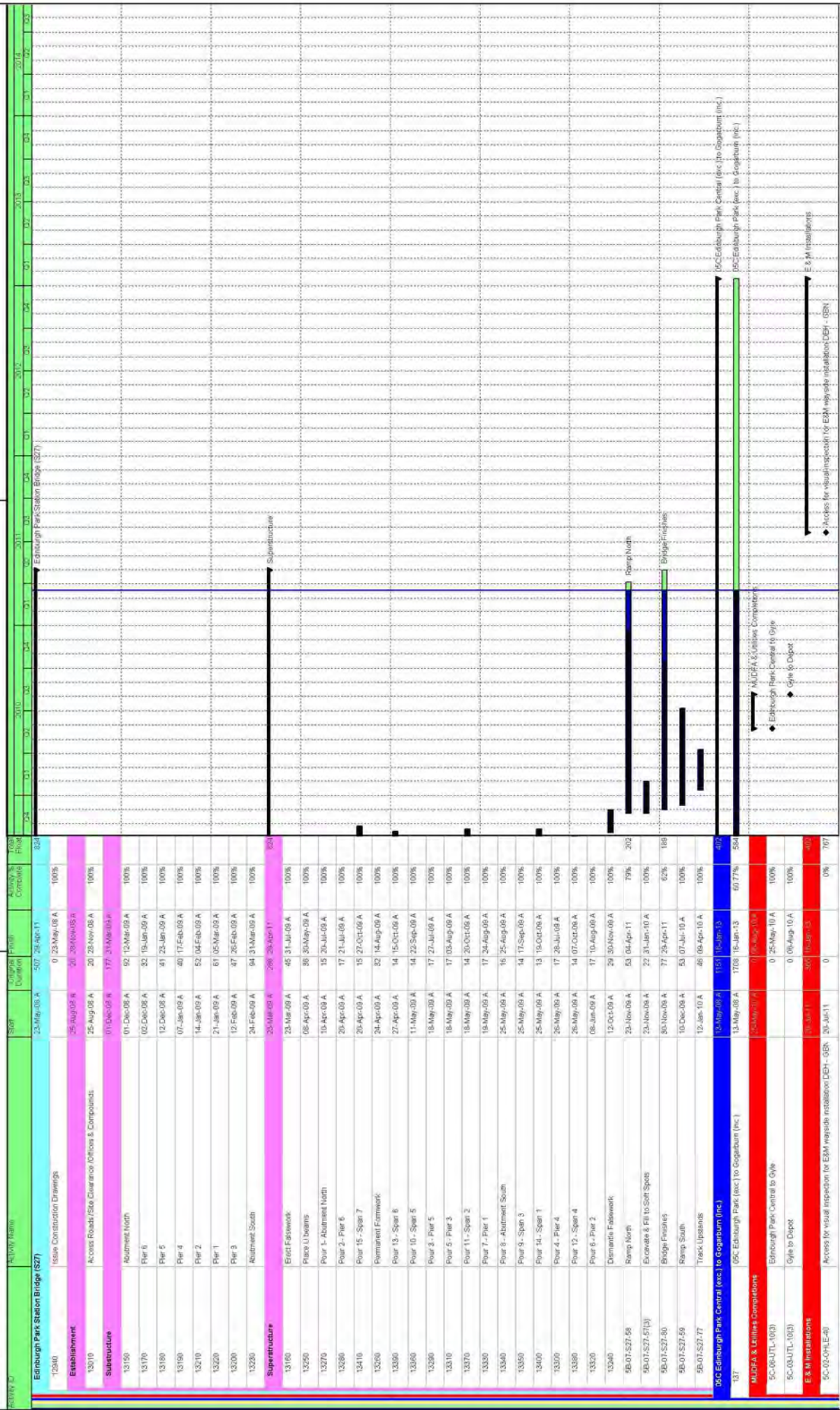


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Legend for Gantt chart:

- Actual Work (Green bar)
- Remaining Work (Blue bar)
- Critical Remaining Work (Red bar)
- Milestone (Black diamond)
- % Complete (Percentage icon)
- Summary (Arrow icon)





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Activity Code	Activity Name	Start	Completion Duration	Activity % Complete	Task Prior	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
5C-02-ELEC-60	Access for visual inspection to cable pits for cable laying DEH - GBN	20-Jun-11	0	0%	767												
5C-02-OHLE-41	Access for EMW workside installation DEH - GBN	22-Aug-11	0	0%	579												
5C-02-ELEC-70	Install Electrical Cables DEH - GBN	22-Aug-11	6	30-Aug-11	0%	731											
5C-02-ELEC-41	Access to cable pits for cable laying DEH - GBN	22-Aug-11	0	0%	731												
5C-06-ELEC-30	Access for visual inspection to cable pits for cable laying EDP - GYL	24-Feb-12	0	0%	622												
5C-06-OHLE-30	Access for visual inspection for EMW workside installation EDP - GYL	24-Feb-12	0	0%	622												
5C-06-ELEC-31	Access to cable pits for cable laying EDP - GYL	27-Mar-12	0	0%	577												
5C-06-OHLE-31	Access for EMW workside installation EDP - GYL	27-Mar-12	0	0%	433												
5C-06-ELEC-60	Install Electrical Cables EDP - GYL	27-Mar-12	10	10-Apr-12	0%	590											
5C-06-OHLE-60	Access for EMW workside installation EDP - GYL	27-Mar-12	10	10-Apr-12	0%	590											
5C-06-ELEC-60	Install Electrical Cables EDP - GYL	05-Apr-12	18	27-Apr-12	0%	577											
5C-03-ELEC-30	Access for visual inspection to cable pits for cable laying GYL - DEH	05-Oct-12	0	0%	465												
5C-03-OHLE-30	Access for visual inspection for EMW workside installation GYL - DEH	05-Oct-12	0	0%	465												
5C-03-ELEC-31	Access to cable pits for cable laying GYL - DEH	06-Nov-12	0	0%	427												
5C-03-OHLE-31	Access for EMW workside installation GYL - DEH	06-Nov-12	0	0%	427												
5C-03-ELEC-60	Install Electrical Cables GYL - DEH	06-Nov-12	9	18-Nov-12	0%	428											
5C-03-OHLE-60	Access for EMW workside installation GYL - DEH	06-Nov-12	9	18-Nov-12	0%	428											
5C-03-ELEC-60	Install Electrical Cables GYL - DEH	18-Nov-12	6	27-Nov-12	0%	429											
5C-03-OHLE-60	Access for EMW workside installation GYL - DEH	18-Nov-12	6	27-Nov-12	0%	429											
5C-02-030-TEL-60	Install Fibre Optic Cables GYL - DEH	22-Nov-12	30	16-Jan-13	0%	277											
5C-02-030-TEL-60	Access for EMW workside installation GYL - DEH	22-Nov-12	30	16-Jan-13	0%	277											
5C-02-030-TEL-60	Install Fibre Optic Cables GYL - DEH	27-Dec-12	8	07-Dec-12	0%	421											
5C-02-030-TEL-60	Access for EMW workside installation GYL - DEH	27-Dec-12	8	07-Dec-12	0%	421											
138	Edinburgh Park (exc) to Gyle Centre (inc)	13-Mar-09	132	13-Dec-12	61.59%	817											
138	Edinburgh Park (exc) to Gyle (inc)	13-May-08	1875	13-Dec-12	61.59%	817											
Design			0		0												
Trackwork (760m)			778	18-Apr-12	55%												
1290	Issue Construction Drawings	04-Feb-09	0	04-Feb-09	100%												
5C-05-TRC-A1(2)	Receipt for Change Order EDCI to FC to allow earthworks works to commence	26-Apr-10	0	10-Apr-10	100%												
1A-2A-CHGE-570	Agreement of Change (EOC/UEC) - Trackwork	16-Mar-11	0	18-Mar-11	0%	168											
5C-05-TRC-A30	Earthworks and Subbase	15-Apr-11	20	15-May-11	0%	168											
5C-05-TRC-A31(3)	Additional Earthworks	17-May-11	56	04-Aug-11	0%	168											
5C-05-TRC-A50	OLE Foundations - Drainage	11-Aug-11	30	21-Sep-11	0%	164											
5C-05-TRC-A60	Additional Drainage	22-Sep-11	40	16-Nov-11	0%	164											
5C-05-TRC-A10	Track Formation and Outlets	17-Nov-11	16	08-Dec-11	0%	164											
5C-05-TRC-A80	Road Crossings + msh	06-Dec-11	29	24-Jan-12	0%	164											
5C-05-NUCS-70	Installation of traffic light control - Junction 305	16-Jan-12	7	25-Jan-12	0%	644											
5C-05-TRC-A70	Track laying (760m)	25-Jan-12	20	21-Feb-12	0%	164											
5C-05-NUCS-60	Installation of traffic light control - Junction 304	25-Jan-12	9	01-Feb-12	0%	638											
5C-05-SIGN-H40	Workside preparation for loop(1) and box(15)	08-Feb-12	9	21-Feb-12	0%	624											
5C-05-TRC-A80	Track Finishes	22-Feb-12	24	28-Mar-12	0%	433											
5C-05-TRC-A81	Fencing	27-Mar-12	18	18-Apr-12	0%	459											
Gyle Centre Tram Stop		11-Sep-08	1057	13-Dec-12	41%												
1290	Issue Construction Drawings	0	0	11-Sep-09	100%												

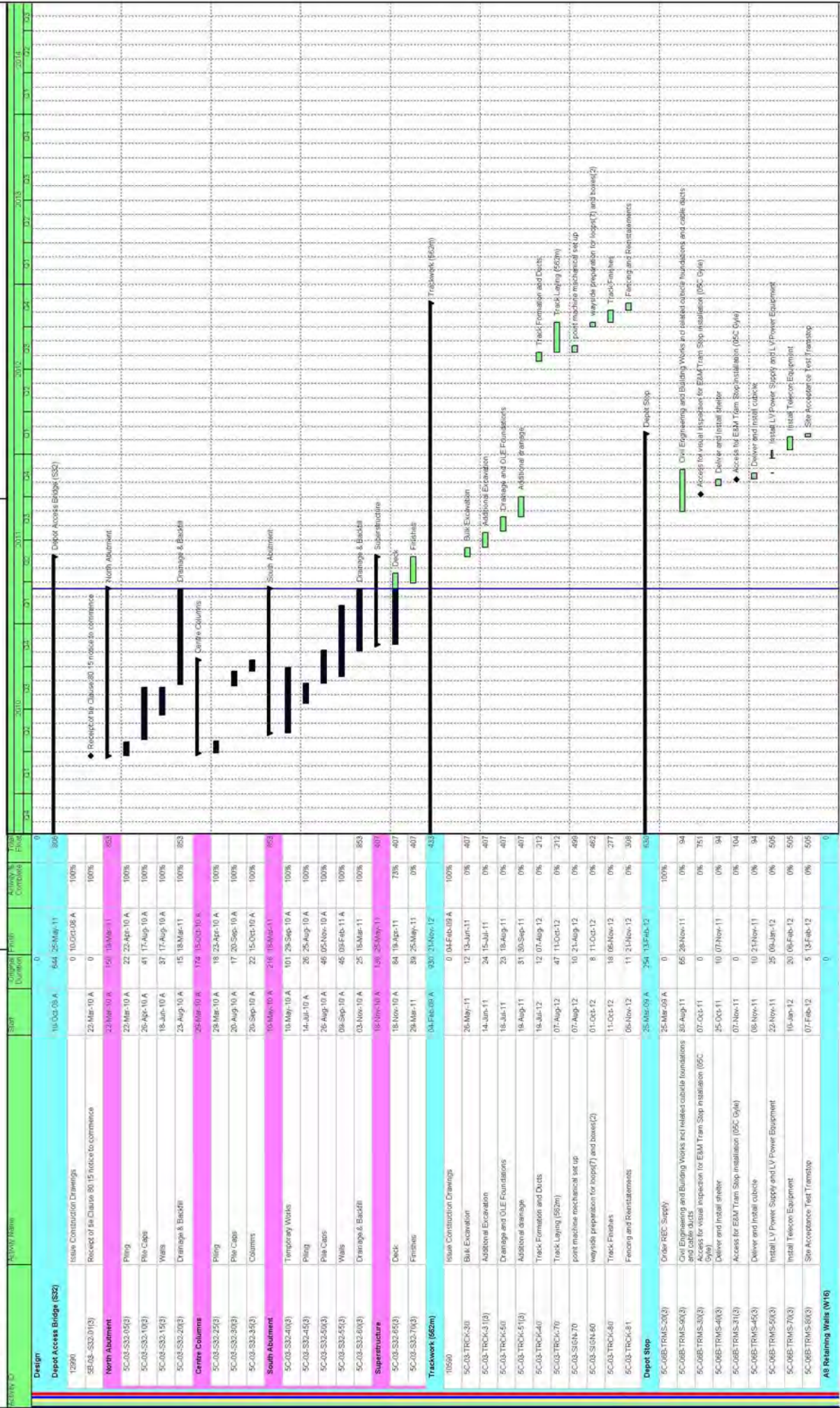
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Legend:   
█ Actual Work   
█ Critical Remaining Work   
█ Remaining Work   
◆ Milestone   
◆ % Complete   
◆ Summary

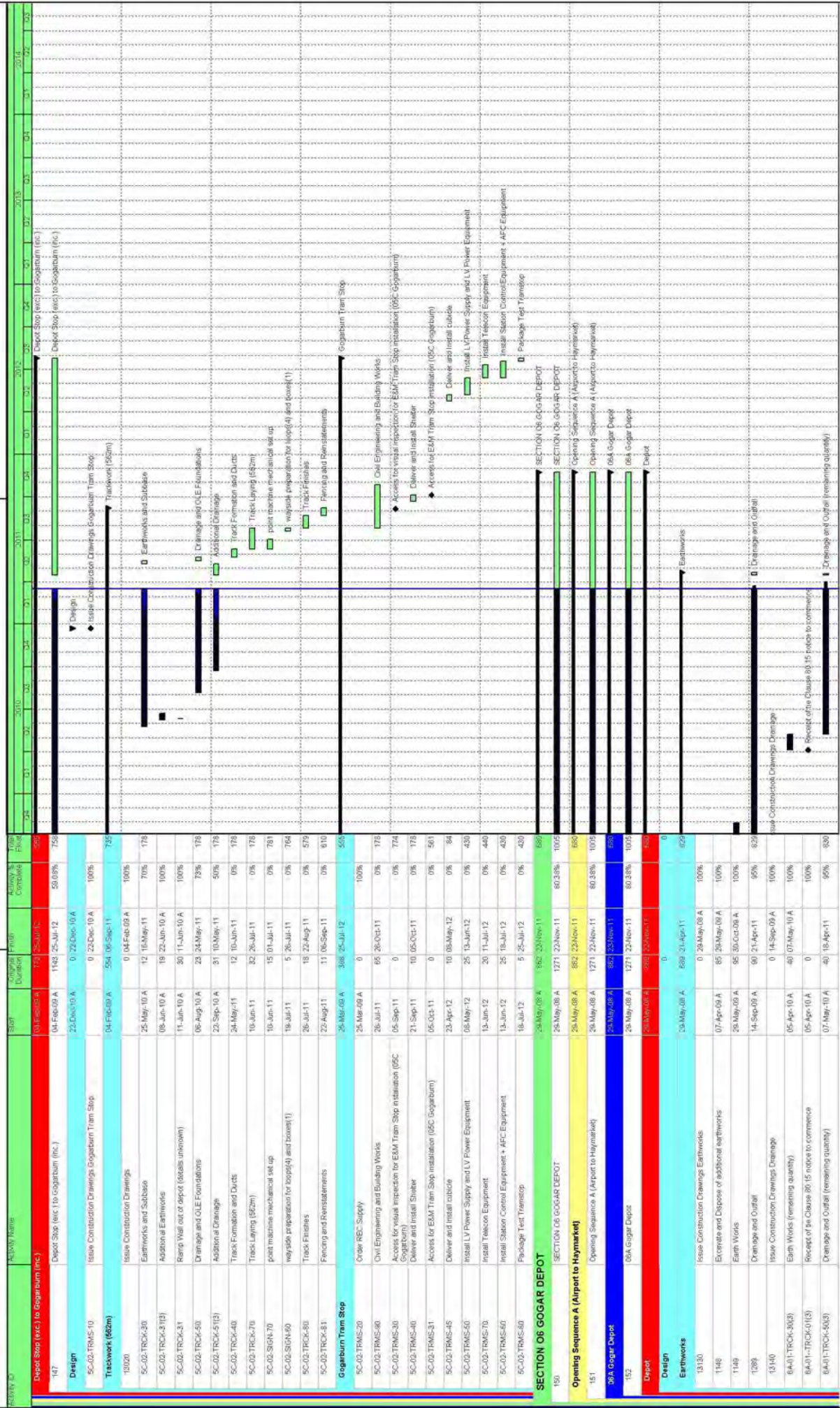












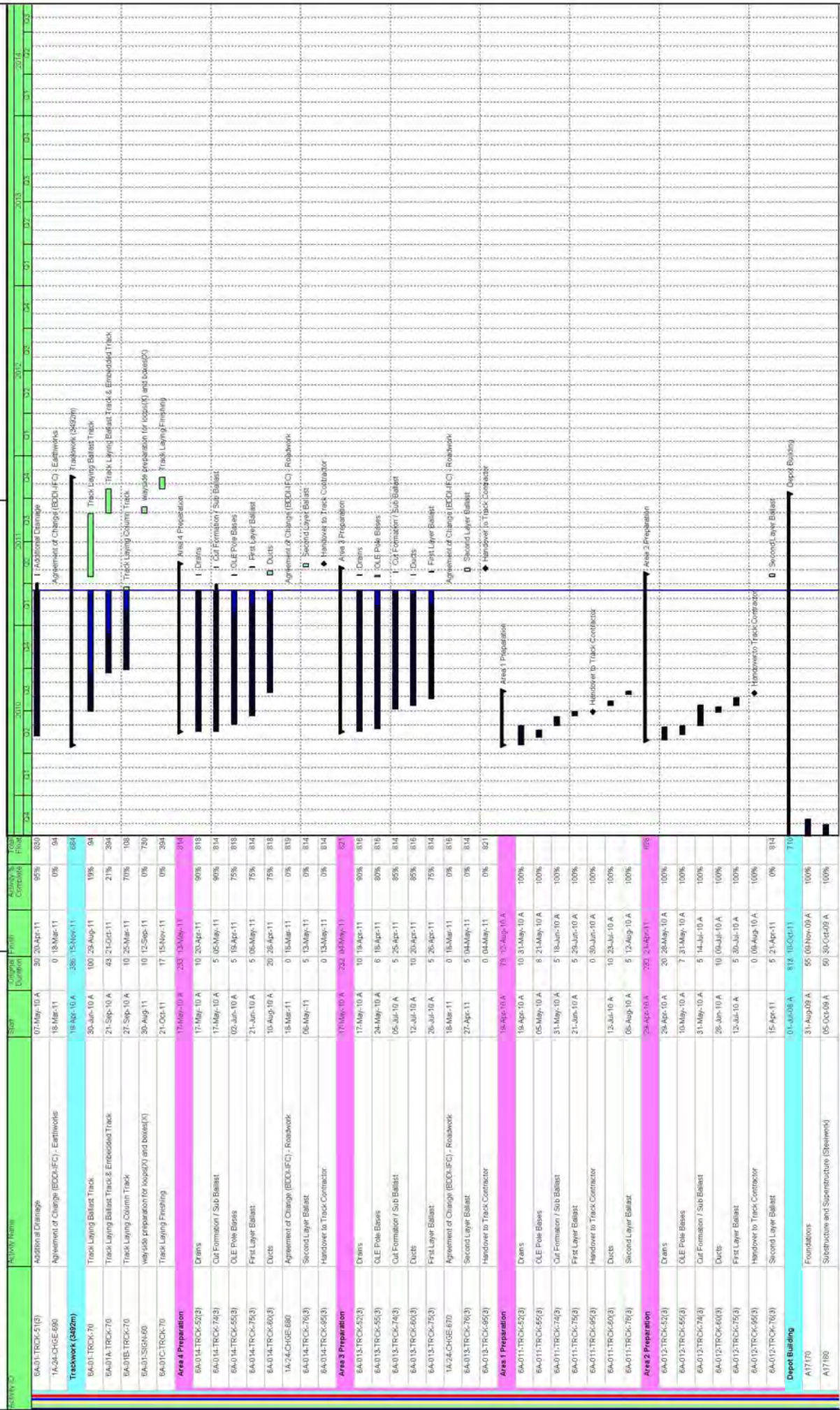
Date	Revision	Checked	Approved
11-Mar-11	ETN Updated Programme - Progress to 18 Mar 11	JAC	

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Actual Work Remaining Work Critical Remaining Work Milestone % Complete Summary

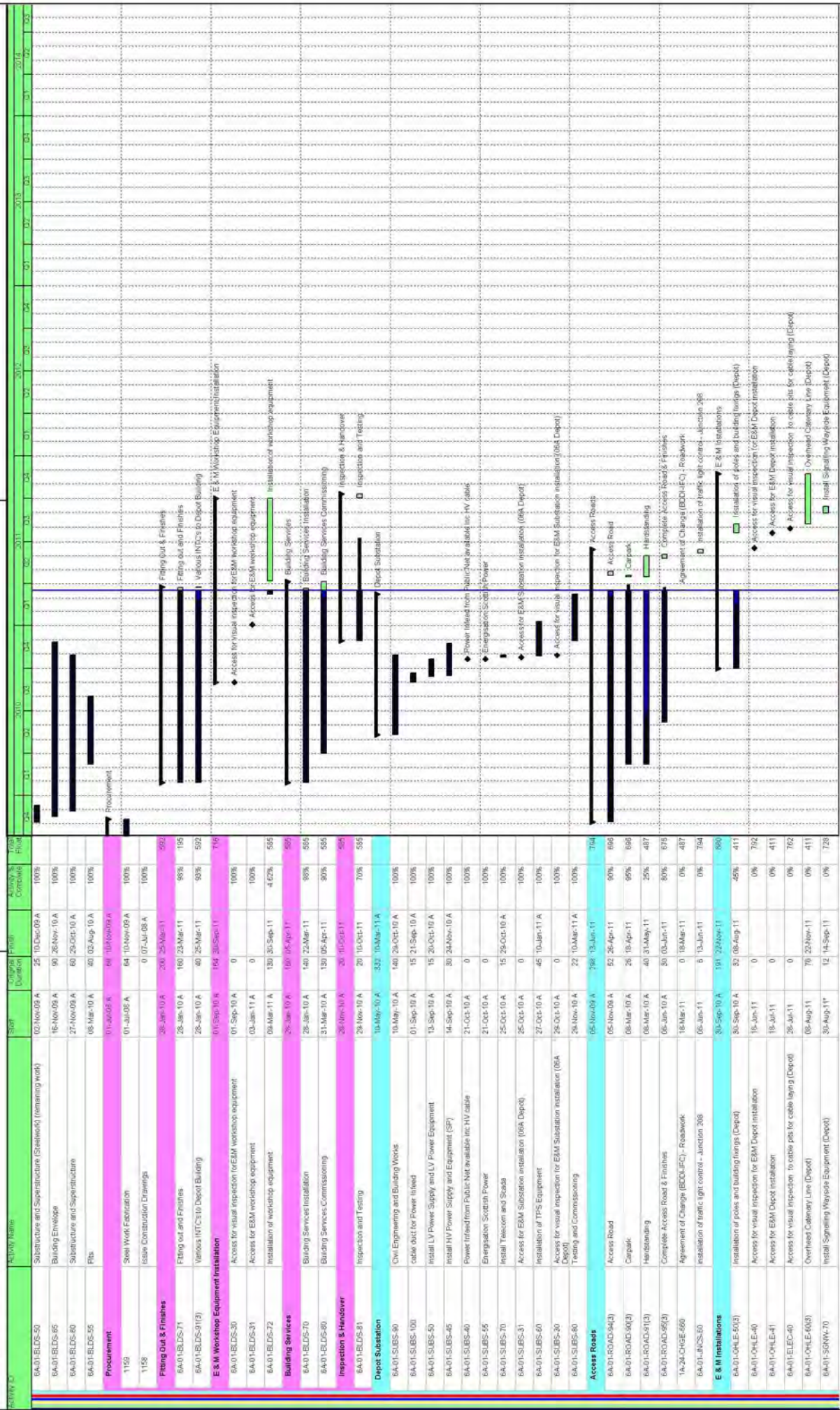




Date	Revision	Checked	Approved
11-Mar-11	ETN Updated Programme - Progress to 18 Mar 11	JAC	

█ Actual Work  
█ Remaining Work  
█ Critical Remaining Work  
◆ Milestone  
◆ Summary







Activity ID	Activity Name	Start	Complete	Final	Activity % Complete	Year
			Duration			Start
BAJ01-ELEC-41	Access to cable pits for cable laying (Depot)	30-Aug-11	0		0%	09/11
BAJ01-ELEC-70	Install Electrical Cables Depot	30-Aug-11	25	03-Oct-11	0%	7/15
BAJ01-SIGN-40	Installation of 2 SIG-interlocking cables depot entries	12-Sep-11	25	17-Oct-11	0%	7/29
5C-05-SIGN-60	Installation of SIG equipment on depot entry west	26-Sep-11	10	10-Oct-11	0%	7/34
5C-05-SIGN-90	Installation of SIG equipment on depot entry east	17-Oct-11	10	31-Oct-11	0%	7/29
BAJ01-SIGN-80	Commissioning of 2 SIG - interlocking cables depot entries	24-Oct-11	10	07-Nov-11	0%	7/29
<b>Operation Control Centre (OCC)</b>						
BAJ01-SIGN-100	Access for installation on operating and equipment floor	0	23-Mar-11		0%	8/33
BAJ01-SIGN-110	operating floor fit out	25-Mar-11	25	27-Apr-11	0%	8/33
BAJ01-SIGN-150	equipment floor fit out SIG/COM/SCADA/Radio	27-Apr-11	25	01-Jun-11	0%	8/43
<b>SECTION 07 GOGAR TO EDINBURGH AIRPORT</b>						
155	SECTION 07 GOGAR TO EDINBURGH AIRPORT	15-May-08 A	1116	15-Nov-12	63.02%	6/45
<b>Opening Sequence A (Airport to Haymarket)</b>						
156	Opening Sequence A (Airport to Haymarket)	15-May-08 A	1646	15-Nov-12	63.02%	6/45
<b>DTA Gogarburn (exc. to Edinburgh Airport (inc.))</b>						
157	DTA Gogarburn (exc. to Edinburgh Airport (inc.))	15-May-08 A	1646	15-Nov-12	63.02%	6/45
<b>SCOPA &amp; Utilities Commitments</b>						
<b>E &amp; M Installations</b>						
7A-04-OHLE-30	Access for visual inspection for ESM wayside installation GBN - IPR	15-Jun-12	0	09-Jul-12	0%	5/27
7A-04-ELEC-20	Access for visual inspection to cable pits for cable laying GBN - IPR	12-Jun-12	0		0%	6/55
7A-04-OHLE-31	Access for ESM wayside installation GBN - IPR	13-Feb-12	0		0%	6/68
7A-04-ELEC-31	Access to cable pits for cable laying GBN - IPR	13-Feb-12	0		0%	3/43
7A-0204-OHLE-50	Installation of poles and building fittings-19 (53 1566- 71 0781)	13-Feb-12	7	21-Feb-12	0%	3/43
7A-04-ELEC-60	Install Electrical Cables GBN - IPR	13-Feb-12	13	28-Feb-12	0%	6/14
7A-070204-TELC-60	Install Fibre Optic Cables GBN - IPR - IPR + DEP	13-Feb-12	15	02-Mar-12	0%	6/19
7A-04-SIGNW-60	Install Signaling Wayside Equipment GBN - IPR	13-Feb-12	13	28-Feb-12	0%	6/14
7A-04-OHLE-50	Installation of poles and building fittings-20 (71 0581 - 71 1351)	13-Feb-12	4	16-Feb-12	0%	3/53
7A-04-OHLE-60	Overhead Catenary Line -20 (71 0581 - 71 1351)	17-Feb-12	9	28-Feb-12	0%	3/53
7A-05-ELEC-30	Overhead Catenary Line -19 (53 1556 - 71 0781)	22-Feb-12	16	14-Mar-12	0%	3/43
7A-05-ELEC-60	Access for visual inspection to cable pits for cable laying IPR - AIR	01-May-12	0		0%	5/76
7A-05-SIGNW-60	Access for visual inspection for ESM wayside installation IPR - AIR	01-May-12	0		0%	5/76
7A-05-ELEC-60	Install Electrical Cables IPR - AIR	04-Jun-12	7	13-Jun-12	0%	5/47
7A-05-SIGNW-60	Install Signaling Wayside Equipment IPR - AIR	04-Jun-12	7	13-Jun-12	0%	5/47
7A-0405-OHLE-50(3)	Installation of poles and building fittings-21 (71 1126- 71 2580)	04-Jun-12	7	13-Jun-12	0%	4/04
7A-05-SIGN-40	Installation of SIG-interlocking cables AIR	04-Jun-12	15	30-Jun-12	0%	5/55
7A-05-ELEC-31	Access to cable pits for cable laying IPR - AIR	04-Jun-12	0		0%	5/50
7A-05-OHLE-31	Access for ESM wayside installation IPR - AIR	04-Jun-12	0		0%	4/04
7A-0405-TELC-70	Install Fibre Optic Cables IPR - AIR	04-Jun-12	10	15-Jun-12	0%	5/40
7A-0405-OHLE-60(3)	Overhead Catenary Line -21 (71 1126 - 71 2580 + 71 2388 - 71 2512)	15-Jun-12	19	06-Jul-12	0%	4/04
7A-05-TELC-60	Install Fibre Optic Cables IPR - AIR	18-Jun-12	4	21-Jun-12	0%	5/40
7A-05-SIGN-80	Installation of SIG equipment on crossover AIR	02-Jul-12	5	06-Jul-12	0%	5/55
<b>Gogarburn (exc. to Ingleton Park &amp; Rids (inc.))</b>						
158	Gogarburn (exc. to Ingleton Park & Rids (inc.))	15-May-08 A	1416	15-Nov-12	63.02%	6/45
<b>Design</b>						

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Checked

Revision

ETN Updated Programme - Progress to 18 Mar 11

JAC

11-Mar-11

% Complete

Summary

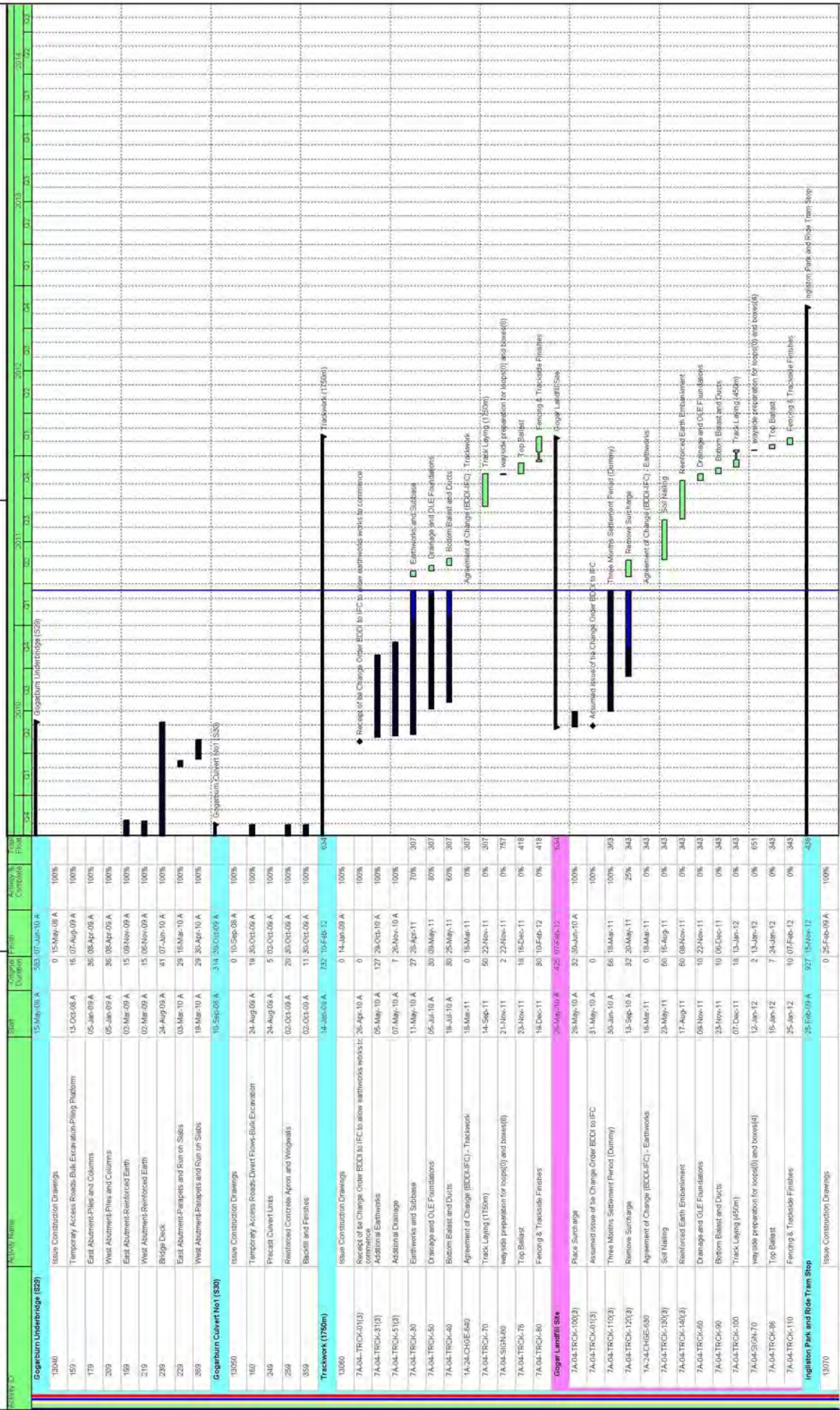
Actual Work

Remaining Work

Critical Remaining Work

Milestone



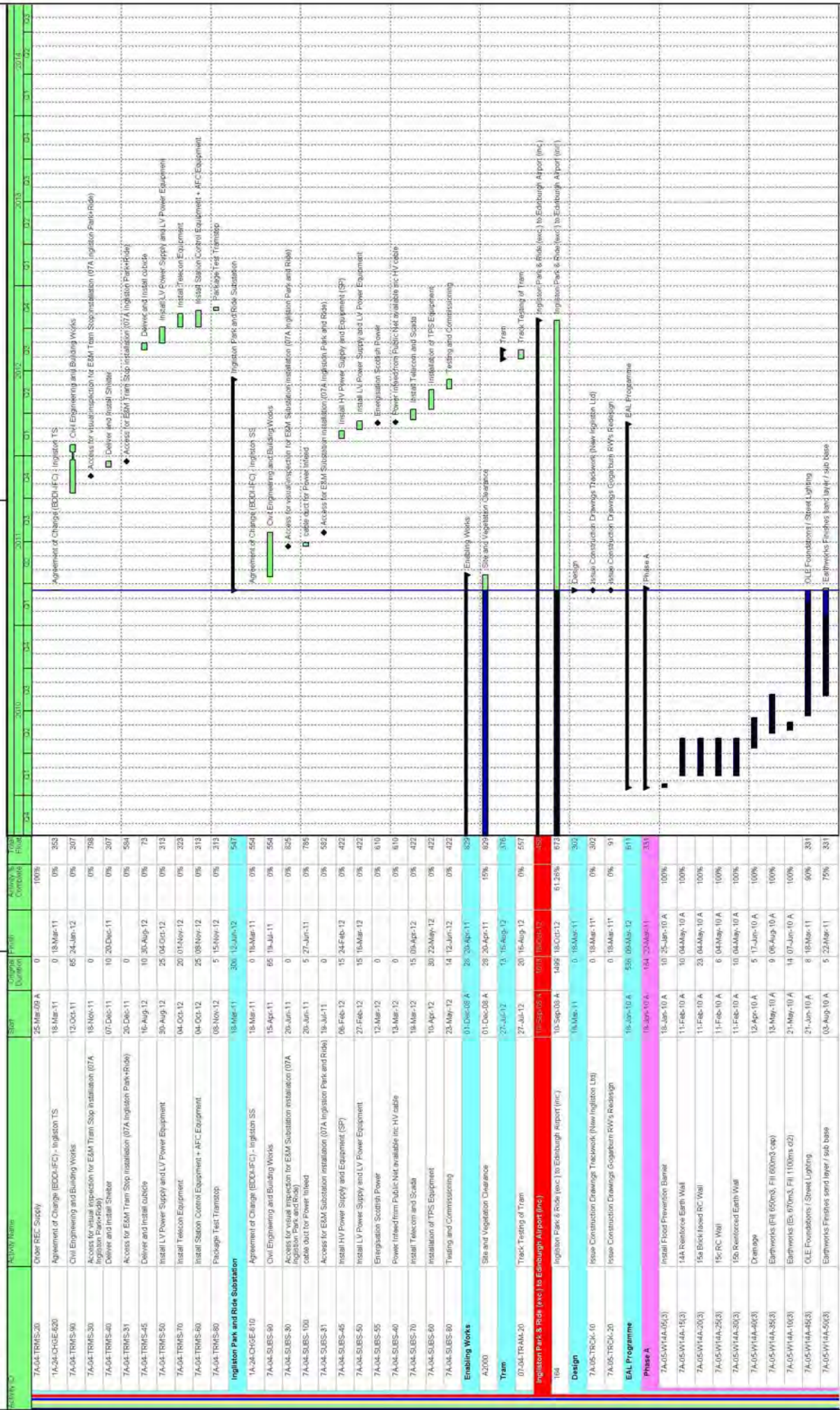


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Legend:   
█ Actual Work   
█ Critical Remaining Work   
█ Remaining Work   
◆ Milestone   
◆ % Complete   
◆ Summary

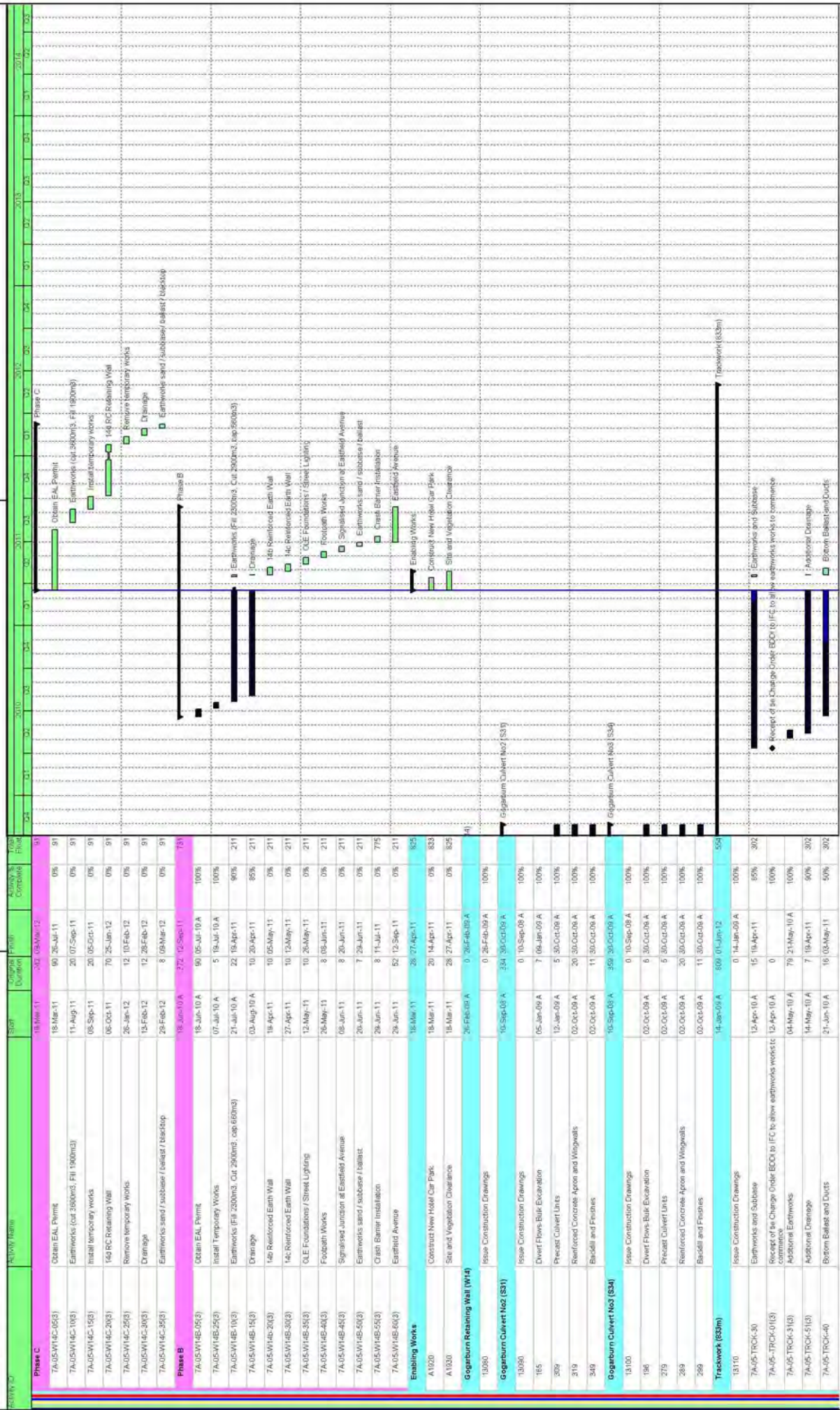
Date: 11-Mar-11   
 Revision: EITN Updated Programme - Progress to 18 Mar 11   
 Checked: JAC   
 Approved:





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





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

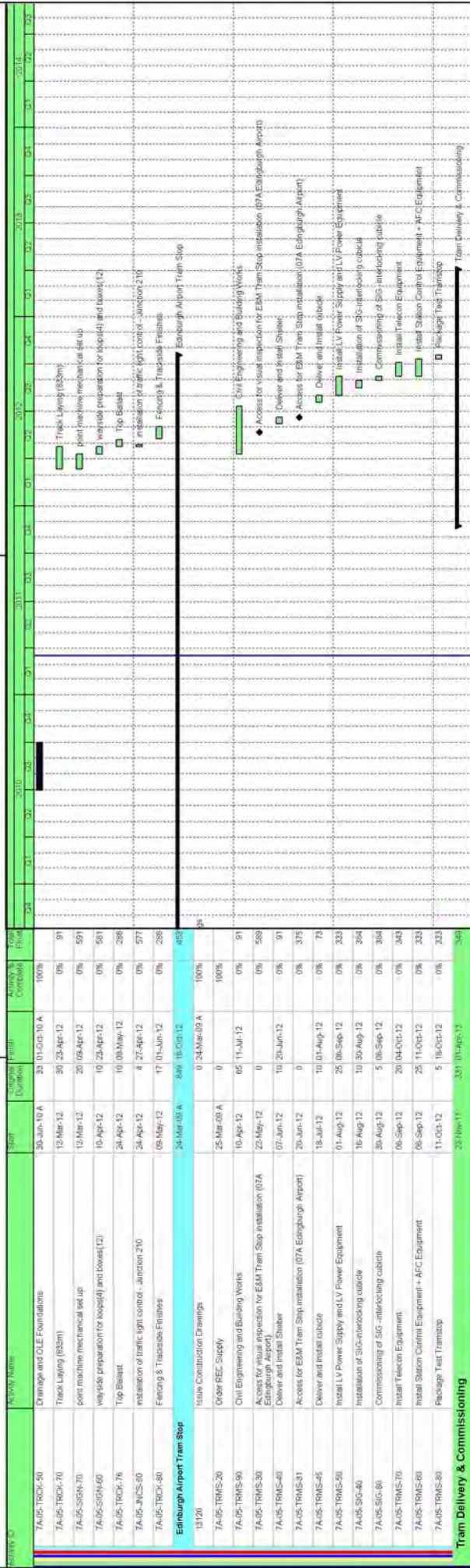
█ Actual Work
 █ Remaining Work
 █ Critical Remaining Work
 █ Milestone
 █ % Complete
 █ Summary



Update Programme

Updated for V67 Design Programme,  
and progress to 18 March 2011 .

EDINBURGH TRAM NETWORK



Legend:   
█ Actual Work   
█ Remaining Work   
█ Critical Remaining Work   
◆ Milestone   
◆ % Complete   
▬ Summary







Infraco Works Commenced/Completed during the Period: 3.13 (ref. Update Programme)  
 Period Ending: 18/03/2011

Activity ID	Activity Name	Planned Start	Planned Finish	Actual Start	Ongoing	Actual Finish	Note
Section 1B							
01B Foot of the Walk (inc.) to McDonald Road (exc.)		15-Jul-08 A	10-May-13				
	MUDFA/Utilities Work (by others)				y		
	Works Not Started			Awaiting Permit to Commence			



Infraco Works Commenced/Completed during the Period: 3.13 (ref. Update Programme)  
 Period Ending: 18/03/2011

Activity ID	Activity Name	Planned Start	Planned Finish	Actual Start	Ongoing	Actual Finish	Note
Section 1C (McDonald Road to South St Andrew Street)							
01C McDonald Road (inc.) to Princess Street West (exc.)		01-Sep-08 A	17-May-13				
	MUDFA/Utilities Work (by others)				y		
	Works Not Started			Awaiting Permit to Commence			



Infraco Works Commenced/Completed during the Period: 3.13 (ref. Update Programme)  
 Period Ending: 18/03/2011

Activity ID	Activity Name	Planned Start	Planned Finish	Actual Start	Ongoing	Actual Finish	Note
Section 1C/D (Princes Street) 01D Princes Street (inc.) to Haymarket (exc.)	Princes St – Scottish Water and outstanding/remedial works.	05-Jan-09 A	02-Apr-13				Complete at this stage



Infraco Works Commenced/Completed during the Period: 3.13 (ref. Update Programme)  
 Period Ending: 18/03/2011

Activity ID	Activity Name	Planned Start	Planned Finish	Actual Start	Ongoing	Actual Finish	Note
Section 1D (Shandwick to Haymarket)							
01D Princes Street (inc.) to Haymarket (exc.)		05-Jan-09 A	02-Apr-13		Y		
	MUDFA/Utilities Work (by others)						
	Works Not Started			Awaiting Permit to Commence			



















Infraco Works Commenced/Completed during the Period: 3.13 (ref. Update Programme)  
 Period Ending: 18/03/2011

Activity ID	Activity Name	Planned Start	Planned Finish	Actual Start	Ongoing	Actual Finish	Note
<b>Section 5C</b>							
Edinburgh Park (exc.) to Gyle Centre (inc.) Trackwork (760m)		13-May-08 A	21-May-12				
5C-06-TRCK-30	Earthworks and Subbase	14-Jan-09 A	06-Jun-11				
		02-Jun-10	29-Jun-10	06-Aug-10	n		affected by change
A8 Underpass (W28) Phase 4		28-Jul-08 A	13-Sep-11				
5C-03-W28-92(3)10	Deck Construction	30-Apr-10	17-Nov-10				
Phases 1 & 2		30-Apr-10	06-Aug-10		n		affected by change
5C-03-W28-90(3)10	Deck Construction	29-Mar-10	02-Nov-10				
5C-03-W28-90(3)20	North Portal	07-May-10	29-Jul-10	25-May-10	n		Affected by change
5C-03-W28-90(3)30	Finishes	14-Jun-10	10-Aug-10	27-May-10	n		Affected by change
Depot Access Bridge (S32) Centre Columns		29-Jul-10	02-Nov-10	03-Sep-10	n		Affected by change
North Abutment		07-Oct-08 A	11-May-11				
5C-03-S32-20(3)	Drainage & Backfill	29-Mar-10	05-Nov-10				
South Abutment		22-Mar-10	20-Aug-10				
5C-03-S32-60(3)	Drainage & Backfill	29-Jul-10	20-Aug-10	16-Aug-10	y		
Superstructure		06-Apr-10	18-Jan-11				
5C-03-S32-65(3)	Deck	30-Nov-10	18-Jan-11	25-Oct-10	y		
		17-Nov-10	11-May-11				
		17-Nov-10	30-Mar-11	13-Dec-10		10-Mar-11	







Infraco Works Commenced/Completed during the Period: 3.13 (ref. Update Programme)  
 Period Ending: 18/03/2011

Activity ID	Activity Name	Planned Start	Planned Finish	Actual Start	Ongoing	Actual Finish	Note
<b>Section 7A</b>							
07A Gogarburn (exc.) to Edinburgh Airport (inc.)		15-May-08 A	23-Apr-12				
Gogarburn Underbridge (529)		15-May-08 A	28-Jan-10				
Gogarburn (exc.) to Inglishton Park & Ride (inc.)		15-May-08 A	23-Apr-12				
7A-04-TRCK-30	Earthworks and Subbase	26-Apr-10	04-Jun-10		Y		
7A-04-TRCK-51(3)	Additional Drainage	27-Jan-11	07-Feb-11		Y		
Gogar Landfill Site		17-May-10	10-Aug-11				
Inglishton Park & Ride (exc.) to Edinburgh Airport (inc.)		10-Sep-08 A	26-Mar-12				
Phase B		12-Mar-10	01-Feb-11				
7A-05-W14B-25(3)	Install Temporary Works	23-Aug-10	30-Aug-10	05-Jul-10			
Trackwork (833m)							
7A-05--TRCK-01(3)	Receipt of tie Change Order BDDI to IFC to allow	14-Jan-09 A	16-May-11				
7A-05-TRCK-51(3)	Additional Drainage	12-Apr-10*			Y		
		13-Sep-10	22-Sep-10		Y		



### **10.3 Look Ahead Programme**



Activity ID	Activity Name	Start	Original Finish Duration	Finish Date	Total Float	Activity % Complete	March	April	May	June	20
<b>ETN Construction Programme 03 Rev.A</b>											
<b>Design Stage Consents</b>											
A17260	Forth Ports	28-Sep-07 A	1608	23-Apr-12	582	100%	14	21	28	04	11
A17270	Network Rail	28-Sep-07 A	100	31-Mar-11	843	90%	14	21	28	04	11
A17310	Stakis Hotels	28-Sep-07 A	100	31-Mar-11	843	90%	14	21	28	04	11
A17320	Other 3rd Parties	28-Sep-07 A	100	31-Mar-11	843	90%	14	21	28	04	11
A17290	Obtain TRO's	28-Sep-07 A	100	31-Mar-11	718	90%	14	21	28	04	11
<b>TIE Consents</b>											
A32080	Section 7 Application to Vary SNH Otter Licence (pre-embankment works)	18-Mar-11	61	15-Jun-11	792	0%	14	21	28	04	11
A30110	General Ecological Update / Walkover Report	18-Mar-11	5	22-Mar-11	1155	0%	14	21	28	04	11
<b>M &amp; E Design</b>											
780	M & E Review of Detailed Design	19-May-08 A	754	16-Dec-11	661	95%	14	21	28	04	11
790	M & E Design Freeze	12-Dec-08 A	30	18-Apr-11	1223	0%	14	21	28	04	11
<b>Railway Electrification</b>											
A17150	Dispatch	22-Sep-08 A	431	17-Jun-11	790	80%	14	21	28	04	11
A17140	Manufacturing	22-Sep-08 A	240	17-Jun-11	790	80%	14	21	28	04	11
S-50280	Manufacturing OCS	01-Apr-08 A	260	01-Apr-11	760	99%	14	21	28	04	11
<b>Track Work</b>											
S-51010	Verification sds design	19-May-08 A	583	25-Apr-11	828	87%	14	21	28	04	11
S-51170	typical drawings	20-Oct-08 A	70	25-Apr-11	828	97%	14	21	28	04	11
S-51130	detailed Design	20-Oct-08 A	250	21-Apr-11	828	84%	14	21	28	04	11
<b>Rail Automation</b>											
S-54400	procurement & transport TPDS	11-Sep-08 A	233	16-Dec-11	661	93%	14	21	28	04	11
S-54400	procurement & transport E&M cubicles	11-Sep-08 A	120	20-May-11	809	85%	14	21	28	04	11
S-54430	procurement & transport P&Bx	03-Nov-08 A	210	21-Apr-11	828	85%	14	21	28	04	11
S-54410	procurement & transport radio system	10-Nov-08 A	120	08-Apr-11	837	95%	14	21	28	04	11
<b>Workshop Equipment</b>											
S-53310	ordering DWE	20-Oct-08 A	360	05-Apr-11	840	88%	14	21	28	04	11
S-53220	manufacture DWE	09-Mar-08 A	242	05-Apr-11	840	89%	14	21	28	04	11
<b>SECTION 01 NEWHAVEN ROAD TO HAYMARKET</b>											
<b>Opening Sequence B (Haymarket to Newhaven Road)</b>											
<b>01A Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>Newhaven Road (inc) (Ch.100.000) to Design Terminal (exc) (Ch. 100.000)</b>											
<b>MUDFA &amp; Utility Completions</b>											
1A-24-MUDFA-05	MUDFA & Utilities work completion (Lindsay Road) - tie letter 5167 (27.05.10)	19-Mar-11	0	18-Mar-11*	430	0%	14	21	28	04	11
1A-24-MUDFA-04B	MUDFA & Utilities work completion (Ch. 800 - 1100) - tie letter 6361 (08.10.10)	19-Mar-11	0	18-Mar-11*	430	0%	14	21	28	04	11
<b>Change</b>											
<b>01B Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01C Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01D Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01E Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01F Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01G Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01H Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01I Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01J Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01K Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01L Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01M Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01N Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01O Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01P Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01Q Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01R Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01S Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01T Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01U Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01V Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01W Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01X Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01Y Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											
<b>01Z Newhaven Road (inc) to Foot of the Walk (exc) (Ch.100.000 - 102.250/110.000)</b>											

This programme is provided for information and coordination purposes only, and without prejudice to the rights of the infraco under the Agreement. This programme constitutes a target programme and as such, contains durations that are based on a risk profile not consistent with the Accepted Programme.

Actual Work: % Complete: WBS Summary Activity:

Normal: Milestone:

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Date: 18-Mar-11 Revision: JAC Checked: JAC Approved: JAC



4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float	March	April	May	June
1A-24-CHGE-TCO-219	INTC264/TCO219 - Contract Clause 80.15 notice to commence Lindsay Rd Junction	10-Dec-10 A	0	18-Mar-11	0%	52				
1A-24-CHGE-80	Assumed receipt of the Change Order (BDDH-FC) - Roadwork	19-Mar-11*	0	18-Mar-11	0%	52	E-60			
1A-24-CHGE-30	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	19-Mar-11*	0	18-Mar-11	0%	238	E-30			
1A-24-CHGE-310	Assumed receipt of the Change Order (BDDH-FC) - Newhaven TS	19-Mar-11*	0	18-Mar-11	0%	238	-310			
1A-24-CHGE-320	Assumed receipt of the Change Order (BDDH-FC) - Leith Sands SS	19-Mar-11*	0	18-Mar-11	0%	534	-320			
1A-24-CHGE-340	Assumed receipt of the Change Order (BDDH-FC) - Ocean Terminal TS	19-Mar-11*	0	18-Mar-11	0%	439	-340			
1A-24-CHGE-510	Assumed receipt of the Change Order (BDDH-FC) - RW/A Panels 3-6	19-Mar-11*	0	18-Mar-11	0%	593	-510			
1A-24-CHGE-530	Assumed receipt of the Change Order (BDDH-FC) - RW/C	19-Mar-11*	0	18-Mar-11	0%	115	-530			
1A-24-CHGE-560	Assumed receipt of the Change Order (BDDH-FC) - RW/D	19-Mar-11*	0	18-Mar-11	0%	117	-560			
<b>Other Constraints</b>										
1A-24-PRMT-20	Permit to Commence (PCW-122) - Lindsay Road Vertical Realignment	19-Mar-10 A	0	18-Mar-11	0%	32				
<b>Lindsay Road Retaining Walls</b>										
Lindsay Road Retaining Wall W1A - Phase 1										
Preliminary works & excavation										
1A-24-W1A-110	Excavation	09-Mar-10 A	151	05-Jul-11	752					
1A-24-W1A-120	RW Foundation	09-Mar-10 A	6	31-May-11	752					
1A-24-W1A-130	RC Wall	09-Mar-10 A	6	31-May-11	50%	752				
1A-24-W1A-140	Coping	24-Mar-10 A	145	28-Jun-11	752					
RW Finishing Works and Backfilling										
1A-24-W1A-150	Waterproofing	24-Mar-10 A	10	07-Jun-11	50%	752				
Lindsay Road Retaining Wall W1A - Phase 2										
Preliminary works & excavation										
1A-24-7-W1A-110	Excavation	07-Jul-10 A	25	31-May-11	556					
1A-24-7-W1A-120	RW Foundation	07-Jul-10 A	25	31-May-11	90%	556				
1A-24-7-W1A-130	RC Wall	15-Jul-10 A	104	09-Jun-11	700					
1A-24-7-W1A-140	Coping	15-Jul-10 A	43	05-Jun-11	85%	556				
RW Finishing Works and Backfilling										
1A-24-7-W1A-150	Waterproofing	26-Jul-10 A	55	06-Jun-11	85%	556				
Lindsay Road Retaining Wall WB										
Preliminary works & excavation										
1A-24-5A-W1B-100	Mobilisation, site installation and temporary fencing	15-Apr-11	40	14-Jun-11	41					
1A-24-5A-W1B-110	Demolition	15-Apr-11	13	05-May-11	41					
1A-24-5A-W1B-120	Excavation	15-Apr-11	10	03-May-11	0%	41				
1A-24-5A-W1B-130	RW Foundation	04-May-11	2	05-May-11	0%	41				
1A-24-5A-W1B-140	RC Wall	06-May-11	20	03-Jun-11	41					

18-Mar-11 Construction Programme Updated V67 & Progress JAC

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Date

Actual Work

Normal

Milestone

% Complete

WBS Summary Activity

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4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
<b>RW Finishing Works and Backfilling</b>						
1A-24-5A-W1B-150	Waterproofing	08-Jun-11	7 14-Jun-11	41	0%	41
1A-24-5A-W1B-160	Drainage	08-Jun-11	2 07-Jun-11	41	0%	41
1A-24-5A-W1B-160	Drainage	08-Jun-11	5 14-Jun-11	41	0%	41
<b>TTM Phase 9A (Lindsay Road Eastbound)</b>						
1A-24-TTM-05A-1000	TTM - PHASE 9A - Lindsay Road EB closed	15-Apr-11	67 21-Jul-11	33	0%	33
1A-24-TTM-05A-1000	TTM - PHASE 9A - Lindsay Road EB closed	15-Apr-11	0	32	0%	32
<b>Temporary and Preliminary Works</b>						
1A-24-5A-1000	Establish temporary traffic management	15-Apr-11	12 04-May-11	32	0%	32
1A-24-5A-1010	Site clearance	19-Apr-11	10 03-May-11	32	0%	32
1A-24-5A-1020	Investigate services / outfall positions / inlet-outlet positions / levels	04-May-11	1 04-May-11	32	0%	32
<b>Lindsay Road (Eastbound) &amp; New Link Road</b>						
1A-24-5A-1030	COMMENCE ROAD WORKS (LINDSAY ROAD)	05-May-11	55 21-Jul-11	33	0%	33
<b>Eastbound</b>						
1A-24-5A-1050	Remove existing footway	05-May-11	55 21-Jul-11	33	0%	33
1A-24-5A-1060	Plane Main Carriageway & Footway	20-May-11	4 25-May-11	32	0%	32
1A-24-5A-1070	Plane/break/layer / excavate to formation (Lindsay Road)	26-May-11	38 19-Jul-11	32	0%	32
1A-24-5A-1080	Earthworks New Link Road	29-May-11	15 16-Jun-11	54	0%	54
1A-24-5A-1090	Capping layer (600mm)	27-May-11	38 20-Jul-11	32	0%	32
1A-24-5A-1100	Drainage and Outfalls	31-May-11	38 21-Jul-11	33	0%	33
1A-24-5A-1120	Ducts and Chambers	31-May-11	38 21-Jul-11	33	0%	33
1A-24-5A-1110	Manholes & Catchpits (3nos)	31-May-11	9 10-Jun-11	62	0%	62
<b>TTM Phase 7 (Ch - 160-450)</b>						
1A-24-TTM-07-1000	TTM PHASE 7 - Road closed (Ch.200-450)	05-Jul-10	137 15-Apr-11	660	0%	660
1A-24-TTM-07-1000	TTM PHASE 7 - Road closed (Ch.200-450)	15-Apr-11	0	659	0%	659
<b>Temporary and Preliminary Works</b>						
1A-24B-7-1020	Investigate services / outfall positions / inlet-outlet positions / levels	05-Jul-10	117 15-Apr-11	660	50%	660
1A-24-CHBE-250	Assumed receipt of the Change Order (BDD-LFC) - Roadwork	18-Mar-11	0 18-Mar-11	659-250	0%	659-250
<b>TTM Phase 6 (Ch - 450-600)</b>						
1A-24-TTM-06-1000	TTM PHASE 6 - Road closed (Ch.450-600)	15-Apr-11	42 16-Jun-11	251	0%	251
1A-24-TTM-06-1000	TTM PHASE 6 - Road closed (Ch.450-600)	15-Apr-11	0	236	0%	236
<b>Temporary and Preliminary Works</b>						
1A-24C-6-1000	Establish temporary traffic management	15-Apr-11	3 15-Apr-11	236	0%	236
1A-24C-6-1010	Site clearance	19-Apr-11	1 18-Apr-11	236	0%	236
1A-24C-6-1020	Investigate services / outfall positions / inlet-outlet positions / levels	19-Apr-11	1 19-Apr-11	236	0%	236
<b>Track Improvement</b>						
1A-24C-6-1030	COMMENCE TRACK WORKS (CH. 450-600)	19-Apr-11	33 07-Jun-11	238	0%	238
1A-24C-6-1040	Remove existing footway	19-Apr-11	0	236	0%	236
1A-24C-6-1050	Plane out existing surfacing over Trams Footprint (1st cut)	19-Apr-11	1 19-Apr-11	236	0%	236
1A-24C-6-1060	Carry out inspection and testing of Subgrade	20-Apr-11	2 21-Apr-11	236	0%	236
1A-24C-6-1070	Sawcut Separation - Tram Ducts Outer Edge	25-Apr-11	1 25-Apr-11	236	0%	236
1A-24C-6-1080	Break Out / Excavate to formation of Tram Footprint (2nd cut)	26-Apr-11	2 26-Apr-11	236	0%	236
1A-24C-6-1090	Break Out / Excavate to formation of Tram Footprint (2nd cut)	26-Apr-11	5 03-May-11	236	0%	236

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4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Finish Duration	Activity % Complete	Total Float	2011
						March
						14
						21
						28
						04
						11
						18
						25
						01
						08
						15
						22
						29
						05
						12
						19
						26
						02
						09
						16
						23
						30
						06
						13
						20
1A-24C-6-1090	Place Sub-base Type 1	27-Apr-11	5 04-May-11	0%	236	1A-24C-6-1090
1A-24C-6-1100	Drainage and Outfalls	28-Apr-11	5 05-May-11	0%	239	1A-24C-6-1100
1A-24C-6-1110	Tram Ducts & Chambers	28-Apr-11	6 05-May-11	0%	243	1A-24C-6-1110
1A-24C-6-1120	Excavate and Cast OLE Foundations (6 nos)	28-Apr-11	13 17-May-11	0%	238	1A-24C-6-1120
1A-24C-6-1130	Lay SL Duct to OLE	10-May-11	8 17-May-11	0%	250	1A-24C-6-1130
1A-24C-6-1140	Prepare and check suitability of Formation	11-May-11	5 17-May-11	0%	236	1A-24C-6-1140
1A-6-24C-1180	Track Improvement Layer	13-May-11	17 07-Jun-11	0%	236	1A-6-24C-1180
1A-24C-6-1150	Installation of IMU Drains and Cable Ducting	13-May-11	5 19-May-11	0%	250	1A-24C-6-1150
<b>Track Installation</b>						
<b>Inbound/Outbound</b>						
1A-24C-6-1180	Access Available for Track Laying	31-May-11	13 16-Jun-11	0%	236	1A-24C-6-1180
1A-24C-TRCK-70-118	Set Up track (sleepers/rail) - 2 x 150m	31-May-11	0	0%	236	1A-24C-TRCK-70-118
1A-24C-6-1200	Welding and grinding	02-Jun-11	11 14-Jun-11	0%	236	1A-24C-6-1200
1A-24C-6-1210	Drainage / Rail Connections	02-Jun-11	9 14-Jun-11	0%	236	1A-24C-6-1210
1A-24C-6-1220	Final Rail Alignment - Check and Approve	02-Jun-11	9 14-Jun-11	0%	236	1A-24C-6-1220
1A-24C-SIGN-60-123	Installation of IMU Boxes and Loops	03-Jun-11	3 07-Jun-11	0%	237	1A-24C-SIGN-60-123
1A-24C-6-1240	185mm Concrete Supporting Layer	06-Jun-11	9 16-Jun-11	0%	236	1A-24C-6-1240
<b>Carriageway/Footway Pavement Construction</b>						
1A-24C-6-1310	COMMENCE ROAD WORKS (CH. 450-600)	15-Apr-11	41 15-Jun-11	0%	252	1A-24C-6-1310
<b>Outbound</b>						
1A-24C-6-1330	Plane Main Carriageway & Footway	15-Apr-11	41 15-Jun-11	0%	252	1A-24C-6-1330
1A-24C-6-1340	Planebreak/excavate to Formation	15-Apr-11	1 15-Apr-11	0%	272	1A-24C-6-1340
1A-24C-6-1350	Capping layer (600mm)	19-Apr-11	2 19-Apr-11	0%	272	1A-24C-6-1350
1A-24C-6-1360	Drainage and Outfalls	19-Apr-11	3 21-Apr-11	0%	272	1A-24C-6-1360
1A-24C-6-1370	Manholes & Catchpits (6nos)	20-Apr-11	11 06-May-11	0%	279	1A-24C-6-1370
1A-24C-6-1380	Ducts and Chambers	20-Apr-11	11 06-May-11	0%	279	1A-24C-6-1380
1A-24C-6-1390	Kerbing	28-Apr-11	6 06-May-11	0%	279	1A-24C-6-1390
1A-24C-6-1380	Kerbing	09-Jun-11	6 15-Jun-11	0%	241	1A-24C-6-1380
<b>Leth Sands Sub-Station(s)</b>						
1A-24-CHGE-240	Assumed receipt of file Change Order (BDDI-FC) - LS Substation	18-Mar-11	85 19-Jul-11	0%	534	1A-24-CHGE-240
1A-SUBS-90	Civil Engineering and Building Works	18-Mar-11	0 18-Mar-11	0%	534-240	1A-SUBS-90
<b>Open the mainline (200kV to 750kV) to Form of Mainline (200kV to 750kV)</b>						
<b>MUDFA &amp; Utility Completions</b>						
1A-MUDFA-01A	MUDFA & Utilities work completion (Ch. 1900 - 1600) - tie letter 5408 (22.06.10)	18-Mar-11	0 18-Mar-11	0%	430	1A-MUDFA-01A
1A-MUDFA-02	MUDFA & Utilities work completion (Ch. 1800 - 1600) - tie letter 5408 (22.06.10)	18-Mar-11	0 18-Mar-11	0%	289-01A	1A-MUDFA-02
1A-MUDFA-03B	MUDFA & Utilities work completion - Victoria Bridge (Ch. 1200 - 1400) - tie letter 5408 (22.06.10)	18-Mar-11	0 18-Mar-11	0%	335-A-02	1A-MUDFA-03B
1A-MUDFA-03A	MUDFA & Utilities work completion (Ch. 1100 - 1200) - tie letter 5860 (02.09.10)	18-Mar-11	0 18-Mar-11	0%	430-03B	1A-MUDFA-03A
<b>Design</b>						
1A-3-DSG-ROAD-130	Tower Bridge Access Ramp (under review FPA/CEC)	18-Mar-11	0 18-Mar-11	0%	188	1A-3-DSG-ROAD-130
1A-3-DSG-ROAD-130	Tower Bridge Access Ramp (under review FPA/CEC)	18-Mar-11	0 18-Mar-11	0%	212-130	1A-3-DSG-ROAD-130

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Actual Work: % Complete: WBS Summary Activity: Milestone:

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Activity ID	Activity Name	Start	Finish	Original Duration	Activity % Complete	Total Float	March	April	May	June
<b>Change</b>										
1A-24-CHGE-70	Assumed receipt of the Change Order (BDDH-FC) - Roadwork	18-Mar-11	0 18-Mar-11	0	0%	430				
1A-24-CHGE-40	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	18-Mar-11	0 18-Mar-11	0	0%	253				
1A-24-CHGE-160	Assumed receipt of the Change Order (BDDH-FC) - S16 Victoria Dock Entrance Bridge	18-Mar-11	0 18-Mar-11	0	0%	430				
1A-24-CHGE-300	Assumed receipt of the Change Order (BDDH-FC) - Casino Access Road	18-Mar-11	0 18-Mar-11	0	0%	289				
1A-24-CHGE-350	Assumed receipt of the Change Order (BDDH-FC) - Port of Leith TS	18-Mar-11	0 18-Mar-11	0	0%	359				
<b>Other Constraints</b>										
1A-BYPASS-100	Ocean Terminal Bypass Road (by others)	18-Mar-11	60 14-Jun-11	60	0%	322				
1A-BYPASS-100	Ocean Terminal Bypass Road (by others)	18-Mar-11	60 14-Jun-11	60	0%	322				
<b>TW1 Phase 1 (Ch - 1400-1,650)</b>										
<b>Tower Place Bridge (S17)</b>										
the Change Order										
1A-1-S17-2061	the Change Order for S17 open 18Nov10 - 10Jan11 excl	18-Mar-11	0 18-Mar-11	0	0%	218				
1A-1-S17-1020	Ramp Units (In-Situ)	18-Mar-11	0 18-Mar-11	0	0%	218				
1A-1-S17-0092	Delay - Awaiting instruction from tile	28-May-10 A	2 18-Mar-11	2	100%	853				
1A-1-S17-1660	Divert services back to South footpath (by others)	18-Mar-11	1 18-Mar-11	1	0%	239				
1A-1-S17-1920	Pontoon	28-Apr-10 A	152 18-Jul-11	152	44.74%	769				
<b>Demolition of North cope and deck</b>										
1A-1-S17-1670	Move pontoons to North side of Bridge	15-Apr-11	17 11-May-11	17	0%	213				
1A-1-S17-1680	Cut and remove existing parapet cope by diamond wire sawing	15-Apr-11	7 26-Apr-11	7	0%	213				
1A-1-S17-1690	Remove existing deck section by robotolition	27-Apr-11	10 11-May-11	10	0%	213				
<b>Concrete works to North Deck section</b>										
1A-1-S17-1700	Install formwork to deck slab extension	12-May-11	32 27-Jun-11	32	0%	213				
1A-1-S17-1710	Install reinforcement to deck slab	12-May-11	25 16-Jun-11	25	0%	213				
1A-1-S17-1720	Pour concrete to deck slab	25-May-11	20 22-Jun-11	20	0%	213				
1A-1-S17-1730	Install formwork for deck cope	02-Jun-11	16 23-Jun-11	16	0%	213				
1A-1-S17-1740	Pour concrete to deck cope	08-Jun-11	15 24-Jun-11	15	0%	213				
<b>South access ramps</b>										
<b>West ramp</b>										
1A-1-S17-1650	Ramp Units	15-Apr-11	25 23-May-11	25	0%	305				
1A-1-S17-1660	Instal ramp sections	15-Apr-11	2 18-Apr-11	2	0%	198				
1A-1-S17-1670	Blumen paint to concrete	09-May-11	12 06-May-11	12	0%	198				
1A-1-S17-1680	Backfill paving area	11-May-11	3 13-May-11	3	0%	198				
1A-1-S17-1690	Install paving to footway	16-May-11	4 19-May-11	4	0%	198				
1A-1-S17-1900	Install pedestrian/cycleway barrier	20-May-11	2 23-May-11	2	0%	198				

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Actual Work (Blue bar) % Complete (Green bar) WBS Summary Activity (Orange bar)

Normal (Black bar) Milestone (Diamond)

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4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Finish Duration	Finish Date	Activity % Complete	Total Float	March	April	May	June												
1A-1-S17-1810	WEST RAMP COMPLETE		0	23-May-11	0%	305	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	
<b>East ramp</b>																						
1A-1-S17-1920	Excavate area for South East ramp	24-May-11	15	14-Jun-11	188																	
1A-1-S17-1930	Excavate area for retaining wall	24-May-11	3	28-May-11	198																	
1A-1-S17-1940	Construct retaining wall	27-May-11	2	31-May-11	188																	
1A-1-S17-1940	Construct retaining wall	01-Jun-11	10	14-Jun-11	188																	
<b>TTM Phase 1A (Casino Access Road)</b>																						
1A-TTM-01A-1000	TTM PHASE 1A - Road closed (Ch. 1850-1880)	15-Apr-11	38	09-Jun-11	797																	
1A-TTM-01A-1000	TTM PHASE 1A - Road closed (Ch. 1850-1880)	15-Apr-11	0	09-Jun-11	289																	
1A-TTM-01A-1010	TTM PHASE 1A COMPLETE	15-Apr-11	31	01-Jun-11	289																	
<b>Roadworks</b>																						
1A-1A-1000	COMMENCE ROAD WORKS (Ch. 1850-1880)	15-Apr-11	0	0%	259																	
1A-1A-1010	Site clearance	15-Apr-11	2	18-Apr-11	289																	
1A-1A-1020	Investigate services / outfall positions / inlet-outlet positions / levels	19-Apr-11	3	21-Apr-11	289																	
1A-1A-1030	Remove existing kerbing / footway	25-Apr-11	3	27-Apr-11	289																	
1A-1A-1040	Plan/break/excavate to Formation	28-Apr-11	3	03-May-11	289																	
1A-1A-1050	Drainage and Outfalls	04-May-11	8	11-May-11	303																	
1A-1A-1060	Manholes & Catchpits (3 nos)	04-May-11	9	16-May-11	303																	
1A-1A-1070	Ducts and Chambers	04-May-11	12	19-May-11	289																	
1A-1A-1080	Kerbing	11-May-11	8	20-May-11	289																	
1A-1A-1090	Footpath Works	23-May-11	3	25-May-11	303																	
1A-1A-1100	Surfacing	23-May-11	3	25-May-11	289																	
1A-1A-1110	Road Signs and Markings	26-May-11	1	28-May-11	289																	
1A-1A-1120	Landscaping	27-May-11	3	01-Jun-11	289																	
1A-1A-1130	ROAD WORKS COMPLETE (Ch. 1850-1880)			01-Jun-11	289																	
<b>Commissioning and Testing</b>																						
1A-1A-TEST-100	Handover / Acceptance of Roadworks	02-Jun-11	5	09-Jun-11	797																	
1A-1A-TEST-110	Start remaining ESM works along track	02-Jun-11	5	09-Jun-11	289																	
<b>Item of Work (incl. Ch. 1810 to 1820 &amp; Bernard Street Junc.) (Ch. 1820-1830)</b>																						
<b>MUDFA &amp; Utility Completions</b>																						
1A-MUDFA-17	MUDFA & Utilities work completion (Ch. 1900 - 2000) - tie letter 6361 (06.10.10)	18-Mar-11	0	18-Mar-11	639																	
1A-MUDFA-16	MUDFA & Utilities work completion (Ch. 2000 - 2100) - tie letter 6361 (06.10.10)	18-Mar-11	0	18-Mar-11	563																	
1A-MUDFA-15	MUDFA & Utilities work completion (Ch. 2100 - 2300) - tie letter 6361 (06.10.10)	18-Mar-11	0	18-Mar-11	562																	
1A-MUDFA-18	MUDFA & Utilities work completion (Ch. 1800 - 1900) - tie letter 6361 (06.10.10)	18-Mar-11	0	18-Mar-11	639																	
<b>Design</b>																						
1A-2-DSG-ROAD-110	Re-issue Construction Drawings - Roadworks	19-Mar-11	0	19-Mar-11	575																	
<b>Change</b>																						
1A-24-CHGE-80	Assumed receipt of the Change Order (BDDI-FC) - Roadwork	19-Mar-11	0	19-Mar-11	853																	
1A-24-CHGE-90	Assumed receipt of the Change Order (BDDI-FC) - Trackwork	19-Mar-11	0	19-Mar-11	552																	
1A-24-CHGE-360	Assumed receipt of the Change Order (BDDI-FC) - Bernard St TS	19-Mar-11	0	19-Mar-11	555																	

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4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Finish Duration	Finish Date	Activity % Complete	Total Float	March	April	May	June
<b>Summary</b> (line 103-102, 101) (to End of the WBS) (line 101, 102, 103)										
<b>MUDFA &amp; Utility Completions</b>										
1A-MUDFA-14	MUDFA & Utilities work completion (Ch. 2100 - 2300) - tie letter 6361 (06-10-10)	19-Mar-11	0 18-Mar-11	0 18-Mar-11	0%	560				
1A-MUDFA-10-1-2-3	MUDFA & Utilities work completion (Ch. 110.000 - 110.100) - tbc	19-Mar-11	0 18-Mar-11	0 18-Mar-11	0%	560				
<b>Design</b>										
1A-1-DSG-ROAD-110	Re-Issue Construction Drawings Roadworks (Bernard Street to Foot of the Walk)	18-Mar-11	0 18-Mar-11	0 18-Mar-11	0%	276				
1A-21-ROAD-30	Re-Issue Construction Drawings - Roadwork	18-Mar-11	0 18-Mar-11	0 18-Mar-11	0%	116				
1A-21-ROAD-40	IFC - Constitution Street Graveyard Wall	18-Mar-11	0 18-Mar-11	0 18-Mar-11	0%	2				
<b>Change</b>										
1A-24-CHGE-100	Assumed receipt of the Change Order (BDDI-FC) - Roadwork	18-Mar-11	0 18-Mar-11	0 18-Mar-11	0%	253				
1A-24-CHGE-110	Assumed receipt of the Change Order (BDDI-FC) - Trackwork	18-Mar-11	0 18-Mar-11	0 18-Mar-11	0%	266				
1A-24-CHGE-380	Assumed receipt of the Change Order (BDDI-FC) - Foot of the Walk TS	18-Mar-11	0 18-Mar-11	0 18-Mar-11	0%	563				
<b>TTM Phase 14 (Ch. ~ 2145-2296)</b>										
1A-TTM-14-1000	TTM PHASE (14) - Road closed (Ch. ~ 2145-2296)	15-Apr-11	0 15-Apr-11	0 15-Apr-11	0%	323				
<b>Temporary and Preliminary Works</b>										
1A-14-1000	Establish temporary traffic management	15-Apr-11	1 15-Apr-11	0 15-Apr-11	0%	323				
1A-14-1010	Site clearance	19-Apr-11	1 19-Apr-11	0 19-Apr-11	0%	323				
1A-14-1020	Investigate services / outlet positions / inlet-outlet positions / levels	19-Apr-11	1 19-Apr-11	0 19-Apr-11	0%	323				
1A-14-1030	COMMENTE TRACKROAD WORKS (Ch. ~ 2145-2296)	20-Apr-11	0 20-Apr-11	0 20-Apr-11	0%	323				
<b>Outbound</b>										
<b>Track Improvement + Carriageway/Footway Subgrade</b>										
1A-14-1040	Remove existing footway	20-Apr-11	34 08-Jun-11	34 08-Jun-11	0%	336				
1A-14-1050	Plane out existing surfacing over Trams Footprint (1st cut)	20-Apr-11	3 25-Apr-11	0 25-Apr-11	0%	323				
1A-14-1060	Carry out inspection and testing of Subgrade	26-Apr-11	2 27-Apr-11	0 27-Apr-11	0%	323				
1A-14-1070	Sawcut Separation - Tram Ducts Outer Edge	28-Apr-11	1 28-Apr-11	0 28-Apr-11	0%	323				
1A-14-1080	Break Out / Excavate to formation of Tram Footprint (2nd cut)	29-Apr-11	1 29-Apr-11	0 29-Apr-11	0%	323				
1A-14-1100	Capping layer (600mm)	03-May-11	9 12-May-11	0 12-May-11	0%	354				
1A-14-1080	Place Sub-base Type 1 (Track)	03-May-11	9 13-May-11	0 13-May-11	0%	354				
1A-14-1120	Tram Ducts & Chambers	04-May-11	6 11-May-11	0 11-May-11	0%	329				
1A-14-1130	Excavate and Cast OLE Foundations (3 nos)	04-May-11	12 19-May-11	0 19-May-11	0%	323				
1A-14-1140	Lay SL Duct to OLE	12-May-11	6 19-May-11	0 19-May-11	0%	337				
1A-14-1110	Drainage and Outfalls	13-May-11	3 17-May-11	0 17-May-11	0%	325				
1A-14-1150	Prepare and check suitability of Formation	18-May-11	2 19-May-11	0 19-May-11	0%	323				
1A-14-1160	Track Improvement Layer	20-May-11	14 09-Jun-11	0 09-Jun-11	0%	323				
1A-14-1170	Installation of IMU Drains and Cable Ducting	20-May-11	5 26-May-11	0 26-May-11	0%	332				
<b>TTM Phase 11 (Ch. ~ 2442 Inbound/2,420 Outbound - 2,645)</b>										
1A-TTM-11-1000	TTM PHASE (11) - Road closed (Ch. ~ 2420-2645)	15-Apr-11	0 15-Apr-11	0 15-Apr-11	0%	253				
<b>Temporary and Preliminary Works</b>										

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Actual Work: % Complete: WBS Summary Activity: Milestone:

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18-Mar-11 Construction Programme Updated V67 & Progress JAC Approved



4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Finish Duration	Activity % Complete	Total Float	March	April	May	June
1A-11-1000	Establish temporary traffic management	15-Apr-11	1 15-Apr-11	0%	253	14	04	18	25
1A-11-1010	Site clearance	18-Apr-11	1 18-Apr-11	0%	253	14	04	18	25
1A-11-1020	Investigate services / outfall positions / inlet-outlet positions / levels	19-Apr-11	1 19-Apr-11	0%	253	14	04	18	25
1A-11-1030	COMMENCE TRACK/ROAD WORKS (Ch. - 2420-2845)	20-Apr-11	0	0%	253	14	04	18	25
<b>Outbound</b>									
<b>Track Improvement + Carriageway/Footway Subgrade</b>									
1A-11-1040	Remove existing footway	20-Apr-11	38 18-Jun-11	253	253	14	04	18	25
1A-11-1050	Plane out existing surfacing over Trams Footprint (1st cut)	20-Apr-11	38 18-Jun-11	253	253	14	04	18	25
1A-11-1060	Carry out inspection and testing of Subgrade	25-Apr-11	2 25-Apr-11	0%	253	14	04	18	25
1A-11-1070	Sewcut Separation - Tram Ducts Outer Edge	27-Apr-11	1 27-Apr-11	0%	253	14	04	18	25
1A-11-1080	Break Out / Excavate to formation of Tram Footprint (2nd cut)	27-Apr-11	1 27-Apr-11	0%	253	14	04	18	25
1A-11-1100	Capping layer (600mm)	28-Apr-11	6 06-May-11	0%	253	14	04	18	25
1A-11-1090	Place Sub-base Type 1 (Track)	29-Apr-11	6 05-May-11	0%	280	14	04	18	25
1A-11-1120	Tram Ducts & Chambers	29-Apr-11	6 05-May-11	0%	280	14	04	18	25
1A-11-1130	Excavate and Cast OLE Foundations (3 nos)	03-May-11	9 13-May-11	0%	256	14	04	18	25
1A-11-1110	Drainage and Outfalls	03-May-11	12 18-May-11	0%	253	14	04	18	25
1A-11-1140	Lay Sl. Duct to OLE	09-May-11	2 10-May-11	0%	259	14	04	18	25
1A-11-1150	Prepare and check suitability of Formation	12-May-11	5 18-May-11	0%	273	14	04	18	25
1A-11-1160	Track Improvement Layer	16-May-11	3 18-May-11	0%	253	14	04	18	25
1A-11-1170	Installation of IMU Drains and Cable Ducting	18-May-11	21 16-Jun-11	0%	253	14	04	18	25
<b>01B Foot of the Walk (inc. to McDonald Road (exc.) (Ch. 110.000 - 111.262/120.000)</b>									
<b>MUDFA &amp; Utility Completions</b>									
1B-20-A20040	Foot of the Walk to Balfour Street - tie letter 6361 (06,10,10)	18-Mar-11	0 18-Mar-11	0%	87	14	04	18	25
<b>Design</b>									
1B-3-D5G-ROAD-160	IFC Drawings - Leith Walk Substation incl equipment	18-Mar-11	0 18-Mar-11	0%	853	14	04	18	25
<b>Change</b>									
1A-24-CHGE-120	Assumed receipt of the Change Order (BDDI-FC) - Roadwork	18-Mar-11	0 18-Mar-11	0%	514	14	04	18	25
1A-24-CHGE-50	Assumed receipt of the Change Order (BDDI-FC) - Trackwork	18-Mar-11	0 18-Mar-11	0%	87	14	04	18	25
1A-24-CHGE-370	Assumed receipt of the Change Order (BDDI-FC) - Leith Walk SS	18-Mar-11	0 18-Mar-11	0%	247	14	04	18	25
<b>Other Constraints</b>									
1A-24-PRMT-30	Permit to Commence (PCW-125) - Ch. 000-250 All Works	15-Apr-10 A	0 18-Mar-11	0%	514	14	04	18	25
<b>Road &amp; Track Works</b>									
Leith Walk Ch 80 - 350		15-Apr-11	43 17-Jun-11	87	87	14	04	18	25
Phase 1 Northbound (Leith) Carriageway (Ch 80-350)		15-Apr-11	43 17-Jun-11	87	87	14	04	18	25
1B-20D-ROAD-20(3)	Establish Traffic Management & Temp. Fencing	15-Apr-11	2 18-Apr-11	0%	87	14	04	18	25
1B-20D-ROAD-22(3)	Trial Holes for Services	19-Apr-11	3 21-Apr-11	0%	87	14	04	18	25
1B-20D-ROAD-31(3)	Excavate Existing Carriageway	25-Apr-11	8 05-May-11	0%	87	14	04	18	25

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Actual Work: [Blue bar] % Complete: [Green bar] WBS Summary Activity: [Orange bar]

Normal: [Green bar] Milestone: [Diamond]

Approved: [ ] JAC: [ ]







4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Finish Duration	Finish	Activity % Complete	Total Float	March	April	May	June
<b>Change</b>										
1A-24-CHGE-140	Assumed receipt of the Change Order (BDDH-FC) - Roadwork	18-Mar-11	0	18-Mar-11	444					
1A-24-CHGE-170	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	18-Mar-11	0	18-Mar-11	268	-140				
1A-24-CHGE-400	Assumed receipt of the Change Order (BDDH-FC) - McDonald Rd TS	18-Mar-11	0	18-Mar-11	397	-170				
<b>Road &amp; Track Works</b>										
Leith Walk Ch 0-200		15-Apr-11	213	27-Feb-12	514					
<b>Phase 1 Northbound (Leith) Carriageway Ch 0-200</b>										
1C-18A-ROAD-20(3)	Establish Traffic Management & Temp. Fencing	15-Apr-11	39	13-Jun-11	276					
1C-18A-ROAD-22(3)	Trial Holes for Services	15-Apr-11	2	16-Apr-11	268					
1C-18A-ROAD-31(3)	Excavate Existing Carriageway	19-Apr-11	3	21-Apr-11	268					
1C-18A-ROAD-30(3)	Excavate Existing Kerbs	25-Apr-11	9	06-May-11	268					
1C-18A-ROAD-32(3)	Capping	27-Apr-11	2	28-Apr-11	306					
1C-18A-TRCK-80	Lay and Concrete Ducts (& Chambers)	03-May-11	5	05-May-11	268					
1C-18A-ROAD-51(3)	Relocate Existing Manholes	10-May-11	24	13-Jun-11	268					
London Road Ch 375-500		15-Apr-11	213	27-Feb-12	514					
<b>Phase 1</b>										
1C-18CD-ROAD-110	Dummy	15-Apr-11	213	27-Feb-12	514					
<b>Design</b>										
1C-3-DSG-ROAD-100	IFC Drawings Roads, St. Lighting, Drainage, OLE, Track, 1C2	18-Mar-11	21	16-Apr-11	673					
1C-3-DSG-ROAD-120	IFC Drawings Picardy Place Change Design 1 Widened Footway	0	18-Mar-11	0	79	-100				
1C-18-ROAD-40	Issue Construction Drawings - Playhouse Interface	0	18-Mar-11	0	79	-120				
1C-18-ROAD-50	Issue Construction Drawings - Picardy Place Roundabout Re-Design	0	18-Mar-11	0	-266	D-40				
1C-18-ROAD-90	Issue Construction Drawings - Picardy Place Widened Footway Re-Design	0	18-Mar-11	0	-162	D-50				
1C-3-DSG-ROAD-110	IFC Drawings Picardy Place Change Design 1 New Roundabout	0	18-Mar-11	0	-187	D-80				
1C-3-DSG-ROAD-140	IFC Drawings Cathedral Lane Substation re-design incl equipment	0	18-Apr-11	0	59					
1C-3-DSG-ROAD-150	IFC Drawings Elder Street Change	0	18-Apr-11	0	673					
<b>Change</b>										
1A-24-CHGE-180	Assumed receipt of the Change Order (BDDH-FC) - Roadwork	18-Mar-11	0	18-Mar-11	656					
1A-24-CHGE-190	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	18-Mar-11	0	18-Mar-11	79	-180				
1A-24-CHGE-410	Assumed receipt of the Change Order (BDDH-FC) - Picardy Pl TS	18-Mar-11	0	18-Mar-11	524	-180				
1A-24-CHGE-420	Assumed receipt of the Change Order (BDDH-FC) - Cathedral SS	18-Mar-11	0	18-Mar-11	529	-410				
<b>Road &amp; Trackworks</b>										
Picardy Place Ch 450-700		18-May-11	163	14-Feb-12	58					
<b>Phase 1a</b>										
1C-17H-TRCK-110	Stage A Dummy	18-May-11	163	14-Feb-12	58					
<b>Change</b>										
1C-17H-TRCK-110	Stage A Dummy	18-May-11	140	14-Feb-12	58					

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Actual Work (Blue bar) % Complete (Green bar) WBS Summary Activity (Orange bar)

Normal (Orange bar) Milestone (Diamond)

18-Mar-11 Construction Programme Updated V67 & Progress JAC



Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float	March	April	May	June
1A-24-CHGE-200	Assumed receipt of the Change Order (BDDI-FC) - Roadwork	18-Mar-11	0	18-Mar-11	0%	125	14	21	28	30
1A-24-CHGE-210	Assumed receipt of the Change Order (BDDI-FC) - Trackwork	18-Mar-11	0	18-Mar-11	0%	134	21	28	30	30
1A-24-CHGE-430	Assumed receipt of the Change Order (BDDI-FC) - St Andrew Sq TS	18-Mar-11	0	18-Mar-11	0%	252	21	28	30	30
<b>Road &amp; Track Works</b>										
<b>North St Andrews Square</b>										
1C-16-TRCK-170	Dummy	15-Apr-11	124	11-Oct-11	68%	168	14	21	28	30
1C-16-TRCK-170	Dummy	15-Apr-11	100	11-Oct-11	0%	147	14	21	28	30
<b>Waverley Junction / South St Andrews St. Ch 370 to 160</b>										
1C-16-SAS-160	Assumed receipt of the Change Order BDDI to IFC	18-Mar-11	0	18-Mar-11	0%	125	14	21	28	30
<b>ifc Change Order</b>										
1C-16-SAS-160	Assumed receipt of the Change Order BDDI to IFC	18-Mar-11	0	18-Mar-11	0%	125	14	21	28	30
<b>Traffic Management</b>										
1C-16-SAS-135	Phase 1 - South-North St Andrew St Closed	15-Apr-11	0	15-Apr-11	0%	127	14	21	28	30
1C-16-SAS-156	Phase 2 - Bus Traffic to Nearside Westbound Lane	15-Apr-11	0	15-Apr-11	0%	127	14	21	28	30
<b>Phases 1 &amp; 2</b>										
1C-16A-SAS1-252	Erect Pedestrian Barrier	15-Apr-11	44	20-Jun-11	77%	775	14	21	28	30
1C-16A-SAS1-143	Site Clearance & Site Compound	15-Apr-11	1	15-Apr-11	0%	101	14	21	28	30
1C-16A-SAS1-244	Investigate services / outfall positions / inlet-outlet positions / levels	18-Apr-11	4	21-Apr-11	0%	679	14	21	28	30
<b>Phase 1 - Inbound SSAS + PS</b>										
1C-16A-SAS1-166	Plane Main Carriageway 250mm	18-Apr-11	43	23-Jun-11	77%	775	14	21	28	30
1C-16A-SAS1-165	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	21-Apr-11	5	28-Apr-11	0%	101	14	21	28	30
1C-16A-SAS1-176	Remove existing kerbs to store.	21-Apr-11	5	28-Apr-11	0%	682	14	21	28	30
1C-16A-SAS1-247	Check suitability of formation (ongoing)	21-Apr-11	0	21-Apr-11	0%	105	14	21	28	30
1C-16A-SAS1-248	Capping Layer to Adjacent Carriageway (600mm)	21-Apr-11	5	28-Apr-11	0%	105	14	21	28	30
1C-16A-SAS1-154	Core/Cast OLE Pole Foundations	29-Apr-11	3	04-May-11	0%	145	14	21	28	30
1C-16A-SAS1-239	Make good Formation with Type 1 (Ave 220mm)	29-Apr-11	2	03-May-11	0%	101	14	21	28	30
1C-16A-SAS1-370	Installation of IMU Drains and Cable Ducting	04-May-11	2	05-May-11	0%	101	14	21	28	30
1C-16A-SAS1-171	Carry out inspection and testing of Subgrade	05-May-11	1	05-May-11	0%	101	14	21	28	30
1C-16A-SAS1-172	Blinding Concrete	09-May-11	2	10-May-11	0%	101	14	21	28	30
1C-16A-SAS1-163	Place RC Improvement Slab (+ cure lag)	11-May-11	6	18-May-11	0%	101	14	21	28	30
1C-16A-SAS1-174	Access for Track Laying	23-May-11	0	23-May-11	0%	101	14	21	28	30
1C-16A-SAS1-175	Installation of Noise & Vibration Mat (if reqd)	23-May-11	0	23-May-11	0%	101	14	21	28	30
1C-16A-TRCK-70	Set track (1x198m)(sleeper/rail)	23-May-11	8	02-Jun-11	0%	101	14	21	28	30
1C-16A-SAS1-257	Welding & Grinding	24-May-11	6	01-Jun-11	0%	101	14	21	28	30
1C-16A-SAS1-258	Drainage / Rail Connections	24-May-11	6	01-Jun-11	0%	104	14	21	28	30
1C-16A-SAS1-249	Installation of IMU Boxes and Loops	24-May-11	6	01-Jun-11	0%	104	14	21	28	30
1C-16A-SAS1-380	Final Rail Alignment - Check and Approve	25-May-11	6	02-Jun-11	0%	101	14	21	28	30
1C-16A-SAS1-241	230mm Concrete Supporting Layer (+ cure lag)	27-May-11	6	05-Jun-11	0%	101	14	21	28	30
<b>Drainage &amp; Ducts</b>										
1C-16A-SAS1-238	Outfall Connections	20-Apr-11	3	25-Apr-11	0%	149	14	21	28	30

**Legend:**

- Actual Work (Blue bar)
- Normal (Green bar)
- Milestone (Diamond)
- % Complete (Percentage bar)
- WBS Summary Activity (Orange bar)

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**Construction Programme Updated V67 & Progress**

**Revision**

**Approved**

**Checked**

**JAC**

**Date**

**18-Mar-11**

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4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1C-16A-SAS1-169	Drainage to Discharge Points	25-Apr-11	14	13-May-11	0%	143
1C-16A-SAS1-360	Traction Ducts & Chambers	29-Apr-11	0	0	0%	116
1C-16A-SAS1-181	Comms Ducts & Chambers	29-Apr-11	11	16-May-11	0%	105
1C-16A-SAS1-162	Traffic Signal Ducts	16-May-11	7	24-May-11	0%	143
1C-16A-SAS1-153	Lighting Ducts	16-May-11	21	14-Jun-11	0%	651
<b>Finalist Construction Work Items</b>						
1C-16A-SAS1-173	Sets	09-Jun-11	5	14-Jun-11	0%	127
<b>Outbound SSAS</b>						
1C-16A-SAS1-178	Sub-base 220mm all carriageway areas (bituminous and sets)	29-Apr-11	35	30-Jun-11	0%	171
1C-16A-SAS1-179	Kerbing	29-Apr-11	3	04-May-11	0%	145
1C-16A-SAS1-181	Signs / Street Furniture	07-Jun-11	10	20-Jun-11	0%	123
1C-16A-SAS1-181	Signs / Street Furniture	09-Jun-11	5	15-Jun-11	0%	130
<b>Phase 2 - Outbound SSAS</b>						
1C-16C-SAS2-192	Outfall Connections	07-Jun-11	2	08-Jun-11	0%	759
<b>Drainage &amp; Ducts</b>						
1C-16C-SAS2-192	Outfall Connections	07-Jun-11	2	08-Jun-11	0%	759
<b>610 Princes Street (inc) to Haymarket (exc.) (Ch. 130,000 - 131,247/200,000)</b>						
1D-14-1065	Utility completion Haymarket Junction - tie letter 6361 (05.10.10)	05-Jun-10 A	275	24-Jun-11	0%	771
<b>Change</b>						
1A-24-CHGE-220	Assumed receipt of the Change Order (BDDI-FC) - Trackwork	18-Mar-11	0	18-Mar-11	0%	56-220
1A-24-CHGE-230	Assumed receipt of the Change Order (BDDI-FC) - Roadwork	18-Mar-11	0	18-Mar-11	0%	12-230
1A-24-CHGE-440	Assumed receipt of the Change Order (BDDI-FC) - Princes St TS	18-Mar-11	0	18-Mar-11	0%	118-440
1A-24-CHGE-450	Assumed receipt of the Change Order (BDDI-FC) - Shandwick Pl TS	18-Mar-11	0	18-Mar-11	0%	286-450
1A-24-CHGE-460	Assumed receipt of the Change Order (BDDI-FC) - Haymarket TS	18-Mar-11	0	18-Mar-11	0%	155-460
<b>Other Construction</b>						
1A-24-PRMT-50	Permit to Commence (PCW-103) - Haymarket to Shandwick Place ETN Construction	05-Jun-10 A	0	18-Mar-11	0%	505
1A-24-PRMT-60	Permit to Commence (PCW-123) - Shandwick Place TM Enabling Works	01-Apr-10 A	0	18-Mar-11	0%	27
1A-24-PRMT-70	Permit to Commence (PCW-124) - Shandwick Place ETN Construction	01-Apr-10 A	0	18-Mar-11	0%	48
<b>Station 161 Station Road to Haymarket (Ch. 130,000 to 28,300,000)</b>						
<b>Traffic Management</b>						
1D-14-1055	Enabling Works - Haymarket Junction	15-Apr-11	21	17-May-11	0%	476
1D-15-1016	Enabling Works - Shandwick Place	15-Apr-11	7	26-Apr-11	0%	404
1D-14-H1-928	TM Phase H1 - (Main Area - Eastbound Side)	15-Apr-11	19	13-May-11	0%	12
1D-15-SP1-995	TM Phase Ch.130,960 - 130,380 (Palmerston Place - Princes Street)	16-May-11	2	25-Apr-11	0%	404
Phases 6P1,2,3,4,5,6,7, Ch.130,960 - 130,380 (Palmerston Place - Princes Street)		18-May-11	27	24-Jun-11	0%	12
<b>Section Wide</b>						
1D-14/15-468	Erect Pedestrian Barrier	18-May-11	5	24-May-11	0%	12
1D-14/15-730	Protect Dwarf Walls (Listed Monuments)	25-May-11	0	0	0%	12
1D-14/15-501	Tree Removal	25-May-11	4	31-May-11	0%	12

Date: 18-Mar-11 | Construction Programme Updated V67 & Progress | JAC | Checked | Approved | Revision | Page 12 of 24

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4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Finish	Original Duration	Total Float	Activity % Complete	Total Float	2011
								March
								14
								21
								28
								04
								11
								18
								25
								02
								09
								16
								23
								30
								06
								13
								20
1D-14/15-502	Site Clearance & Site Compound	25-May-11	20-Jun-11	20	645	0%	645	Investigate services / outfall positions / inlets-out
1D-14/15-493	Investigate services / outfall positions / inlets-out positions / levels	25-May-11	4-May-11	4	54	0%	54	Investigate services / outfall positions / inlets-out
<b>Phase SP1 - Inbound Ch.130,670 - 130,390 (Crescents to Princes Street)</b>								
1D-140-SPI-595	Plane Main Carriageway 250mm	01-Jun-11	4-Jun-11	4	12	0%	12	Plane Main Carriageway 250mm
1D-140-SPI-514	Core/Cast OLE Pole Foundations	01-Jun-11	5-Jun-11	5	57	0%	57	Core/Cast OLE Pole Foundations
1D-140-SPI-516	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	07-Jun-11	13-Jun-11	13	12	0%	12	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)
1D-140-SPI-497	Remove existing kerbs	07-Jun-11	13-Jun-11	13	644	0%	644	Remove existing kerbs
1D-140-SPI-488	Check suitability of formation (ongoing)	07-Jun-11	0	0	22	0%	22	Check suitability of formation (ongoing)
<b>Drainage &amp; Ducts</b>								
1D-140-SPI-487	Outfall Connections	27-May-11	20-Jun-11	20	77	0%	77	Outfall Connections
1D-140-SPI-478	Drainage to Discharge Points	27-May-11	5-Jun-11	5	54	0%	54	Drainage to Discharge Points
<b>Phase SP2 - Outbound Ch.130,960 - 130,850 (Palmerston Place - Crescents)</b>								
1D-14V-SP2-525	Plane Main Carriageway 250mm	06-Jun-11	4-Jun-11	4	214	0%	214	Plane Main Carriageway 250mm
<b>Drainage &amp; Ducts</b>								
1D-14V-SP2-527	Outfall Connections	06-Jun-11	4-Jun-11	4	171	0%	171	Outfall Connections
<b>Hyndford Ch.131,250 - 131,050</b>								
<b>Phase H1 - Main Area - Eastbound Side</b>								
1D-14CD-H1-661	Erect Pedestrian Barrier	27-Apr-11	32-Jun-11	32	760	0%	760	Erect Pedestrian Barrier
1D-14CD-H1-662	Site Clearance & Site Compound	27-Apr-11	2-Apr-11	2	404	0%	404	Site Clearance & Site Compound
1D-14CD-H1-663	Plane Main Carriageway Area - south of access lane over voids	28-Apr-11	5-May-11	5	678	0%	678	Plane Main Carriageway Area - south of access lane over voids
1D-14CD-H1-664	Core/Cast OLE Pole Foundations	29-Apr-11	2-May-11	2	404	0%	404	Core/Cast OLE Pole Foundations
1D-14CD-H1-671	Plane out existing surfacing over remainder of Phase 1	04-May-11	7-May-11	7	472	0%	472	Plane out existing surfacing over remainder of Phase 1
<b>Expose and Infill Underground Chambers (ref TIE plan of 19 June 09)</b>								
1D-14CD-H1-675	Expose concrete roof slabs / remove / fence	25-May-11	2-May-11	2	404	0%	404	Expose concrete roof slabs / remove / fence
1D-14CD-H1-656	Remove Roof Support Steelwork	04-May-11	16-May-11	16	480	0%	480	Remove Roof Support Steelwork
1D-14CD-H1-597	Erect Stop-End Shutters	04-May-11	5-May-11	5	404	0%	404	Erect Stop-End Shutters
1D-14CD-H1-518	Infill concrete to void (800mm/d)	11-May-11	19-May-11	2	404	0%	404	Infill concrete to void (800mm/d)
1D-14CD-H1-508	Strike shutters and make safe	18-May-11	2-May-11	2	404	0%	404	Strike shutters and make safe
1D-14CD-H1-840	Make good to Formation with Type 1	20-May-11	3-May-11	3	404	0%	404	Make good to Formation with Type 1
<b>Drainage &amp; Ducts</b>								
1D-14CD-H1-603	Investigate services / outfall positions / inlets-outlet positions / levels	25-May-11	1-May-11	1	404	0%	404	Investigate services / outfall positions / inlets-outlet positions / levels
1D-14CD-H1-674	Outfall Connections	25-May-11	1-May-11	1	404	0%	404	Outfall Connections
1D-14CD-H1-685	Drainage to Discharge Points	25-May-11	1-May-11	1	404	0%	404	Drainage to Discharge Points
1D-14CD-H1-658	Traffic Signal Ducts	25-May-11	1-May-11	1	463	0%	463	Traffic Signal Ducts
<b>Phase 1/1 - Outbound Track</b>								
1D-14C-H1-802	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	31-May-11	10-Jun-11	10	480	0%	480	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)
1D-14C-H1-913	Check suitability of formation (ongoing)	31-May-11	3-Jun-11	3	404	0%	404	Check suitability of formation (ongoing)
1D-14C-H1-924	Capping Layer to Adjacent Carriageway (600mm)	01-Jun-11	2-Jun-11	2	411	0%	411	Capping Layer to Adjacent Carriageway (600mm)

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Actual Work: [Blue bar] % Complete: [Green bar] WBS Summary Activity: [Orange bar]

Normal: [Green bar] Milestone: [Diamond]

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18-Mar-11 Construction Programme Updated V67 & Progress JAC Approved







4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float	March	April	May	June
A20920	Assumed receipt of the Change Order (BDDH-FC) - S20	18-Mar-11	0	18-Mar-11	0%	-331	09/20			
A20930	Assumed receipt of the Change Order (BDDH-FC) - W3 & 4	19-Mar-11	0	19-Mar-11	0%	-331	09/30			
1A-2A-CHGE-480	Assumed receipt of the Change Order (BDDH-FC) - Russell Rd SS	19-Mar-11	0	19-Mar-11	0%	853	4/80			
1A-2A-CHGE-480	Assumed receipt of the Change Order (BDDH-FC) - Murrayfield TS RW	19-Mar-11	0	19-Mar-11	0%	336	4/80			
1A-2A-CHGE-500	Assumed receipt of the Change Order (BDDH-FC) - Murrayfield TS	19-Mar-11	0	19-Mar-11	0%	528	5/00			
2A-2A-CHGE-250	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	19-Mar-11	0	19-Mar-11	0%	558	2/50			
<b>Design</b>						325				
5A-12-TRCK-20	Issue Construction Drawings - S20 Trackform	19-Mar-11	8	30-Mar-11	0%	-34	K/20			
166	Re-issue for Construction Drawings - Roadworks	19-Mar-11	0	19-Mar-11	0%	-43	1/66			
5A-12-W18-10	Issue Construction Drawings W18	19-Mar-11	0	30-Mar-11	100%	9/10				
<b>Russel Road Underbridge (S20)</b>						272				
5A-12-S20-25(3)20	S20 Russell Rd Br - NR Form C Submission & Approval - Piling Platform	19-Aug-10	288	12-Jul-11	70%	272				
5A-12-S20-40	Excavation and piling	19-Aug-10	55	14-Apr-11	0%	272				
<b>Russel Road Retaining Walls (W3 and W4)</b>						44				
5A-12-W3-53(3)	Retaining Wall W4B & 4C	25-Jan-10	-460	23-Apr-12	26%	60				
5A-12-W4-35	W4 Russell Rd RW - NR Form C Submission & Approval - Slope Stability to Units 20/29	14-Jul-10	55	13-May-11	30%	44				
5A-12-W4-45	W4 Russell Rd RW - NR Form C Submission & Approval - Sheet Piling to Units 20/29	09-Sep-10	55	13-May-11	30%	44				
5A-12-W4-55	W4 Russell Rd RW - NR Form C Submission & Approval - Bored Piling Platform to Units 20-29	09-Sep-10	55	13-May-11	55%	44				
5A-12-W3-55(3)	Retaining Wall W4A	15-Apr-11	149	15-Nov-11	0%	146				
5A-12-W3-52(3)	Retaining Wall W4D	13-May-11	233	23-Apr-12	0%	44				
<b>Murrayfield Tram Stop Retaining Wall (W18)</b>						325				
5A-12-W18-25(3)10	W18 - NR Form C Submission & Approval - Temp Works	17-Sep-10	55	03-May-11	45%	325				
5A-12-W18-01	Assumed receipt of the Change Order (BDDH-FC)	19-Mar-11	0	19-Mar-11	0%	325	B/01			
5A-12-W18-3(3)	Site Clearance (Dummy)	03-May-11	20	01-Jun-11	0%	325				
5A-12-W18-50(3)	Foundations (Dummy)	01-Jun-11	15	22-Jun-11	0%	325				
Murrayfield Escalator (rev) (CA3306-40) to Edinburgh Road (rev) (CA3306-40)										
<b>Design</b>						363				
5A-11-S21B-30	Issue Construction Drawings - Re-design of Temporary Works (TO 1808)	23-Aug-10	30	04-Apr-11	60%	-136				
5A-11-S21B-40	Issue Construction Drawings - Re-design of Sewer Lining (unforseen MH)	30-Aug-10	30	18-Mar-11	100%	-124				
5A-11-S21B-20(3)	Issue Construction Drawings Murrayfield Accommodation Works	0	0	18-Mar-11	0%	-190	R/03			
5A-11-TRCK-10	Issue Construction Drawings - Track Model 5A	0	0	18-Mar-11	0%	-363	K/10			
5A-11-S21B-40	Issue Construction Drawings - Murrayfield Sted Accum Works - Other	0	0	18-Mar-11	0%	-221	B/40			
5A-11-S21B-10(3)	Issue Construction Drawings 21B	0	0	15-Apr-11	0%	-70				
5A-11-S21A-10(3)	Issue Construction Drawings S21A RC Portal Bridge	0	0	09-May-11	0%	155				
5A-11-S21A-20(3)	Issue Construction Drawings S21A Steel Composite Bridge	0	0	09-May-11	0%	87				
5A-11-S21A-30(3)	Issue Construction Drawings S21A RE Structure S501	0	0	09-May-11	0%	234				
5A-11-S21A-40(3)	Issue Construction Drawings - S21A RE Structure S503	0	0	09-May-11	0%	363				
5A-11-S21A-50(3)	Issue Construction Drawings - S21A RE Structure S505	0	0	09-May-11	0%	363				

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Actual Work: % Complete: WBS Summary Activity:

Construction Programme Updated V67 & Progress

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Approved:

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4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Finish	Original Duration	Activity % Complete	Total Float	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
5A-11-S21A-20	Issue Construction Drawings - S501 Roseburn St RE Structure (1)		08-May-11	0	0%	0										
5A-11-S21A-30	Issue Construction Drawings - S503 Haymarket Depot Access Bridge		08-May-11	0	0%	0										
5A-11-S21A-40	Issue Construction Drawings - S505 Roseburn Street RE Structure (2)		08-May-11	0	0%	0										
5A-11-S501-80	Issue Construction Drawings - S501 Trackform		08-May-11	0	0%	0										
5A-11-S502-100	Issue Construction Drawings - S502 Trackform		08-May-11	0	0%	0										
5A-11-S503-110	Issue Construction Drawings - S503 Trackform		08-May-11	0	0%	0										
5A-11-S21B-20	Issue Construction Drawings Modified 21B Murrayfield Stadium RW		08-May-11	0	-86	0										
5A-11-S21A-70	Issue Construction Drawings - S502 Roseburn St Portal Bridge		08-May-11	0	0%	0										
5A-11-S21A-80	Issue Construction Drawings - S504 Roseburn St Composite Bridge		08-May-11	0	0%	0										
<b>Change</b>																
5A-11-CHGE-TCO-120	INTC105/TCO120 - Contract Clause 80.15 notice to commence V9 Balgreen Road Retaining Wall	28-Jan-10 A	18-Mar-11	149	538	0%										
2A-24-CHGE-260	Assumed receipt of the Change Order (BDDH-FC) - Roseburn St Viaduct	28-Jan-10 A	18-Mar-11	0	441	0%										
2A-24-CHGE-270	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	18-Mar-11	18-Mar-11	0	121-260	0%										
2A-24-CHGE-280	Assumed receipt of the Change Order (BDDH-FC) - Balgreen TS	18-Mar-11	18-Mar-11	0	536-270	0%										
2A-24-CHGE-290	Assumed receipt of the Change Order (BDDH-FC) - Jenners SS	18-Mar-11	18-Mar-11	0	489-280	0%										
2A-24-CHGE-300	Assumed receipt of the Change Order (BDDH-FC) - S22A Balgreen Road Bridge	18-Mar-11	18-Mar-11	0	479-290	0%										
2A-24-CHGE-380	Assumed receipt of the Change Order (BDDH-FC) - S22A Balgreen Road Bridge	18-Mar-11	18-Mar-11	0	242-380	0%										
<b>Roseburn Street Viaduct (S21A)</b>																
5A-11-S21A-25(3)20	S21A Roseburn St Viaduct - NR Form C Submission & Approval - S504 Piling Platform	12-Jul-10 A	05-Jun-11	55	135	45%										
5A-11-S21A-25(3)10	S21A Roseburn St Viaduct - NR Form C Submission & Approval - S502 Piling Platform	12-Jul-10 A	21-Jun-11	55	77	45%										
<b>Murrayfield Retaining Walls (S21B)</b>																
5A-11-S21B-15	Murrayfield Stadium Accommodation Works (by others)	18-Mar-11	30-Aug-11	114	614	0%										
5A-11-S21B-01(3)	Assumed receipt of the Change Order (BDDH-FC)	18-Mar-11	18-Mar-11	0	728-15	0%										
5A-11-S21B-25(3)10	S21B Murrayfield Stad RW - NR Form C Submission & Approval - Sheet Pile Design	09-May-11	30-Aug-11	80	-96	0%										
<b>Murrayfield Stadium Underpasses (S21C)</b>																
5A-11-S21C-25(3)10	S21C Murrayfield Underpass - NR Form C Submission & Approval - Platform to W End	18-Mar-11	12-Jul-11	80	278	0%										
5A-11-S21C-01(3)	Assumed receipt of the Change Order (BDDH-FC)	18-Mar-11	0	0	278	0%										
<b>Murrayfield Retaining Walls (S21D)</b>																
5A-11-S21D-25(3)	S21D Murrayfield TP RW - NR Form C Submission & Approval - Sheet Piling to W End	01-Sep-10 A	12-Jul-11	925	269	45%										
5A-11-S21D-25(3)10	S21D Murrayfield TP RW - NR Form C Submission & Approval - SP Platform to W End	06-Sep-10 A	24-Jun-11	55	222	45%										
5A-11-S21D-01(3)	Assumed receipt of the Change Order (BDDH-FC)	18-Mar-11	0	0	260	0%										
5A-11-S21D-25(3)20	S21D Murrayfield TP RW - NR Form C Submission & Approval - Sheet Piling to Emb	18-Mar-11	12-Jul-11	80	269	0%										
5A-11-S21D-25(3)30	S21D Murrayfield TP RW - NR Form C Submission & Approval - SP Platform to Emb	18-Mar-11	12-Jul-11	80	269	0%										
<b>Water of Leith Bridge (S21E)</b>																
5A-11-S21E-25(3)	S21E Water of Leith Br - NR Form C Submission & Approval - Sheet Piling to W End	02-Jul-10 A	05-Jun-11	55	230	50%										
5A-11-S21E-01(3)	Assumed receipt of the Change Order (BDDH-FC)	18-Mar-11	0	0	245	0%										
5A-11-S21E-25(3)20	S21E Water of Leith Br - NR Form C Submission & Approval - Platform Br Const	18-Mar-11	07-Jun-11	55	230	0%										
5A-11-S21E-95(3)	Sewer Lining	15-Apr-11	16-May-11	20	245	0%										
5A-11-S21E-45(3)	Additional Piling	08-Jun-11	05-Jul-11	20	230	0%										

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Actual Work (Blue bar) % Complete (Green bar) WBS Summary Activity (Orange bar) Milestone (Diamond)

18-Mar-11 Construction Programme Updated V67 & Progress JAC

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4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float	March	April	May	June
<b>Baird Drive Retaining Walls (W8)</b>										
5A-11-W8-25(3)10	W8 Baird Dr RW - NR Form C Submission & Approval - Sheet Piling to E End (W6L)	27-Apr-10 A	925	03-Aug-11	368					
5A-11-W8-25(3)10	W8 Baird Dr RW - NR Form C Submission & Approval - Sheet Piling to E End (W6L)	27-Apr-10 A	55	21-Apr-11	55%	284				
5A-11-W8-25(3)30	W8 Baird Dr RW - NR Form C Submission & Approval - Sheet Piling to W End (Balgreen)	10-Jun-10 A	55	21-Apr-11	55%	284				
5A-11-W8-25(3)20	W8 Baird Dr RW - NR Form C Submission & Approval - SP Platform to E End	02-Jul-10 A	55	21-Apr-11	55%	284				
5A-11-W8-25(3)40	W8 Baird Dr RW - NR Form C Submission & Approval - SP Platform to W End (Balgreen)	05-Jul-10 A	55	21-Apr-11	55%	284				
5A-11-W8-01(3)	Receipt of Clause 80.15 notice followed by further SI	18-Mar-11*	0		0%	319	13			
5A-11-S2(C-01)310	Assumed receipt of the Change Order (BDDI-HFC)	19-Mar-11*	0		0%	288	310			
5A-11-W8-52	Reinforced Earth Wall after S21 E abutment	15-Apr-11*	45	21-Jun-11	0%	388				
5A-11-W8-51(3)	Foundations (inc Piling)	21-Apr-11	25	31-May-11	0%	284				
5A-11-W8-62	Reinforced Earth Wall to underside of S21E abutment	31-May-11	45	03-Aug-11	0%	254				
<b>Balgreen Road Bridge (S22A)</b>										
<b>Preliminaries-Temporary works</b>										
5A-11-S22A-25(3)10	S22A Balgreen Br - NR Form C Submission & Approval - Bored Piling Platform to EA	05-Jul-10 A	244	04-Aug-11	214					
5A-11-S22A-25(3)30	S22A Balgreen Br - NR Form C Submission & Approval - BP Platform to VIA	05-Jul-10 A	244	04-Aug-11	214					
5A-11-S22A-25(3)	S22A Balgreen Br - NR Form C Submission & Approval - Sheet Piling to VIA	05-Oct-10 A	65	04-Aug-11	45%	214				
5A-11-S22A-25(3)20	S22A Balgreen Br - NR Form C Submission & Approval - Sheet Piling to VIA	19-Mar-11	55	07-Jun-11	0%	207	25(3)			
5A-11-S22A-25(3)20	S22A Balgreen Br - NR Form C Submission & Approval - SP Platform to VIA	19-Mar-11	55	07-Jun-11	0%	207	3(20)			
5A-11-S22A-100(3)	TTM	08-Jun-11	1	08-Jun-11	0%	207				
5A-11-S22A-110(3)	Site Clearance, Demolition and Safety Fencing	09-Jun-11	20	06-Jul-11	0%	207				
<b>Network Rail Access Bridge (S22B)</b>										
5A-11-S22B-10(3)	S22B Balgreen NR Acc Br - NR Form C Submission & Approval - King Post to EA	04-May-10 A	263	04-Aug-11	758					
5A-11-S22B-25(3)20	S22B Balgreen NR Acc Br - NR Form C Submission & Approval - Sheet Piling to VIA	27-Jul-10 A	55	14-Apr-11	65%	272				
5A-11-S22B-25(3)10	S22B Balgreen NR Acc Br - NR Form C Submission & Approval - NP Platform to EA	23-Aug-10 A	55	14-Apr-11	85%	272				
5A-11-S22B-25(3)30	S22B Balgreen NR Acc Br - NR Form C Submission & Approval - SP Platform to VIA	27-Sep-10 A	55	03-May-11	45%	261				
5A-11-S22B-25(3)40	S22B Balgreen NR Acc Br - NR Form C Submission & Approval - Remove Sig Bridge	18-Mar-11	80	12-Jul-11	0%	773	3(40)			
5A-11-S22B-25(3)50	S22B Balgreen NR Acc Br - NR Form C Submission & Approval - Platform to EA	18-Mar-11	80	12-Jul-11	0%	773	3(50)			
5A-11-S22B-100(3)	Network Rail Access Bridge	03-May-11	65	04-Aug-11	0%	261				
<b>Jennens Depository Sub Station</b>										
5A-11-SUBS-01(3)20	Assumed receipt of the Change Order (BDDI-HFC)	18-Mar-11*	111	25-Aug-11	453					
5A-11-SUBS-90	Civil Engineering and Building Works	18-Mar-11*	0		0%	479	3(20)			
<b>05B Balgreen Road (exc) to Edinburgh Park Central (inc) (CH520,000 - 52A-560/530,000)</b>										
<b>500000 Road Implants (CH520,000) to Saughton Road North (inc) (CH521,000)</b>										
<b>MUDFA &amp; Utility Completions</b>										
5B-06-UPL-10(3)	Saughton Road North to Bankhead (South Gyle Access Sewer Diversion) - ie letter 6561 (06.10.10)	18-Mar-11	0	18-Mar-11*	0%	238				
<b>Change</b>										
5B-10-CHGE-TCO-214	INTC528262B/TCO214 - Contract Clause 80.15 notice to commence Section 5B Track Drainage	19-Nov-10 A	149	16-Mar-11	552					
5B-10A-TRCK-01(3)10	Assumed receipt of the Change Order (BDDI-HFC) - Saughton TS	18-Mar-11*	0		0%	132	3(10)			
2A-24-CHGE-300	Assumed receipt of the Change Order (BDDI-HFC) - Trackwork	18-Mar-11*	0	18-Mar-11	0%	430	3(00)			
2A-24-CHGE-310	Assumed receipt of the Change Order (BDDI-HFC) - Carniknowe Bridge Trackwork	18-Mar-11*	0	18-Mar-11	0%	502	3(10)			

Actual Work % Complete WBS Summary Activity

Normal Milestone

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Construction Programme Updated V67 & Progress JAC

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4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float	March	April	May	June
5B-10A-TRCK-01(3)30	Assumed receipt of the Change Order (BDDH-FC) - Bankhead RW	18-Mar-11*	0	0	0%	351	14	21	28	30
5B-10A-TRCK-01(3)40	Assumed receipt of the Change Order (BDDH-FC) - South Gyle Acc Bridge	18-Mar-11*	0	0	0%	238	14	21	28	30
2A-24-CHGE-320	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	18-Mar-11*	0	18-Mar-11	0%	361	14	21	28	30
2A-24-CHGE-330	Assumed receipt of the Change Order (BDDH-FC) - Bankhead TS	18-Mar-11*	0	18-Mar-11	0%	449	14	21	28	30
<b>Bankhead Drive Substation</b>		15-Apr-11	65	15-Jul-11	55%	554	14	21	28	30
5B-05-SUBS-80	Civil Engineering and Building Works	15-Apr-11	65	15-Jul-11	0%	554	14	21	28	30
<b>Bankhead Retaining Wall (W11)</b>		27-Apr-11	30	10-Jun-11	78%	786	14	21	28	30
5B-09-W11-100(3)	Additional Excavation	27-Apr-11	10	12-May-11	0%	324	14	21	28	30
5B-08-W11-100	Retaining Wall Construction	12-May-11	20	10-Jun-11	0%	324	14	21	28	30
5B-06-JNCS-80	Installation of traffic light control - Junction 202B-2	12-May-11	4	18-May-11	0%	812	14	21	28	30
<b>South Gyle Access Bridge (826)</b>		29-Sep-10 A	303	28-Sep-11	26%	269	14	21	28	30
5B-08-S26-25-00	S26 South Gyle Acc Br - NR Form C Submission & Approval - Sheet Piling to Emb	29-Sep-10 A	55	27-Apr-11	50%	231	14	21	28	30
5B-08-S26-25-20	S26 South Gyle Acc Br - NR Form C Submission & Approval - Bored Piling platform to Abut	10-Jan-11 A	55	26-May-11	45%	231	14	21	28	30
5B-08-S26-25-40	S26 South Gyle Acc Br - CEC Form B Submission & Approval - Edge Cant Formwork	18-Mar-11	55	07-Jun-11	0%	289	14	21	28	30
5B-08-S26-86(3)	Additional Excavation & Piling	27-Apr-11	20	28-May-11	0%	231	14	21	28	30
5B-08-S26-80	Substructure	28-May-11*	83	22-Sep-11	0%	231	14	21	28	30
5B-08-S26-25-30	S26 South Gyle Acc Br - NR Form C Submission & Approval - Platform PC Beams	08-Jun-11	80	28-Sep-11	0%	289	14	21	28	30
<b>Edinburgh Park Station (828)</b>		18-Feb-10 A	320	13-Dec-11	51%	51	14	21	28	30
<b>Change</b>		18-Mar-11	0	18-Mar-11	20%	204	14	21	28	30
2A-24-CHGE-340	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	18-Mar-11*	0	18-Mar-11	0%	90	14	21	28	30
2A-24-CHGE-350	Assumed receipt of the Change Order (BDDH-FC) - Edinburgh Park TS	18-Mar-11*	0	18-Mar-11	0%	204	14	21	28	30
<b>Trackwork (790m)</b>		19-Feb-10 A	202	31-Aug-11	90%	90	14	21	28	30
5B-08-TRCK-30	Earthworks and Subbase	19-Feb-10 A	15	05-May-11	19%	90	14	21	28	30
5B-08-TRCK-50	OLE Foundations - Drainage	28-Jun-10 A	32	13-Jul-11	14%	90	14	21	28	30
5B-08-TRCK-51	Additional drainage	28-Jun-10 A	28	17-Aug-11	19%	90	14	21	28	30
5B-08-TRCK-40	Ducts and Bottom Ballast	15-Jul-10 A	16	31-Aug-11	34%	90	14	21	28	30
5B-08-TRCK-31(3)	Additional Earthworks	05-May-11	21	06-Jun-11	0%	90	14	21	28	30
<b>Edinburgh Park Station Tram Stop</b>		18-Feb-10 A	65	12-Dec-11	19%	90	14	21	28	30
5B-08-TRMS-80	Civil Engineering and Buildworks	19-Feb-10 A	65	12-Dec-11	19%	90	14	21	28	30
<b>Edinburgh Park Station (828) to Edinburgh Park Central (829) (500m)</b>		18-Mar-11	270	15-Jun-11	13%	13	14	21	28	30
<b>Change</b>		18-Mar-11	0	18-Mar-11	19%	197	14	21	28	30
2A-24-CHGE-360	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	18-Mar-11*	0	18-Mar-11	0%	89	14	21	28	30
2A-24-CHGE-370	Assumed receipt of the Change Order (BDDH-FC) - Edinburgh Park Central TS	18-Mar-11*	0	18-Mar-11	0%	197	14	21	28	30
2A-24-CHGE-570	Assumed receipt of the Change Order (BDDH-FC) - Edinburgh Park Bridge	18-Mar-11*	0	18-Mar-11	0%	167	14	21	28	30
<b>Trackwork (854m)</b>		15-Feb-10 A	271	15-Jul-11	69%	69	14	21	28	30
5B-07-TRCK-30	Earthworks-Subbase	16-Feb-10 A	11	25-Apr-11	50%	69	14	21	28	30
5B-07-TRCK-01(3)10	Assumed receipt of the Change Order - Drainage	18-Mar-11*	0	18-Mar-11	0%	131	14	21	28	30
5B-07-TRCK-31(3)	Additional Earthworks	25-Apr-11	57	15-Jul-11	0%	69	14	21	28	30

Actual Work: [Blue bar] % Complete: [Green bar] WBS Summary Activity: [Orange bar]

Normal: [Blue bar] Milestone: [Diamond]

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4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float	March	April	May	June
Edinburgh Park Station Bridge (S27)		23-Nov-09 A	128	31-May-11	154					
Superstructure		23-Nov-09 A	128	31-May-11	154					
5B-07-S27-58	Ramp North	23-Nov-09 A	53	04-May-11	79%					
5B-07-S27-80	Bridge Finishes	30-Nov-09 A	77	31-May-11	82%					
15C Edinburgh Park Central (exc.) to Gogarburn (inc.) (Ch.530,000 - 531,853/70,000)		25-May-10 A	381	30-Sep-11	716					
Edinburgh Park Central (exc.) to Gogarburn (inc.) to Gyle Centre (inc.) (Ch.530,000 - 531,853/70,000)		19-Nov-10 A	149	18-Mar-11	332					
Change		19-Nov-10 A	149	18-Mar-11	332					
5C-06-CHGE-215	INTC335/TCO215 - Contract Clause 80.15 notice to commence Section 5C Track Drainage	18-Mar-11*	0	18-Mar-11	0%	223				
5C-06-CHGE-280	Assumed receipt of the Change Order (BDDH-FC) - Gyle Centre TS RW	18-Mar-11*	0	18-Mar-11	0%	123-280				
5C-06-CHGE-380	Assumed receipt of the Change Order (BDDH-FC) - Gyle Centre TS	18-Mar-11*	0	18-Mar-11	0%	332-380				
Other Constraints		18-Mar-11	1	18-Mar-11	141					
A20800	Permit to Commence	18-Mar-11	1	18-Mar-11	0%	205/800				
Trackwork (760m)		18-Mar-11	88	04-Aug-11	127					
5C-06-TRCK-01(3)	Assumed receipt of the Change Order - Earthworks to commence	18-Mar-11*	0	18-Mar-11	0%	127(1)				
5B-07-TRCK-01(3)20	Assumed receipt of the Change Order - Drainage	18-Mar-11*	0	18-Mar-11	0%	203(3)20				
5C-06-TRCK-30	Earthworks and Subbase	15-Apr-11	20	16-May-11	0%	127				
5C-06-TRCK-31(3)	Additional Earthworks	17-May-11	56	04-Aug-11	0%	127				
Gyle Centre Tram Stop Retaining Wall (W16)		15-Apr-11	45	21-Jun-11	123					
5C-06-W16-11(3)	Temporary Works	15-Apr-11	5	21-Apr-11	0%	123				
5C-06-W16-112(3)	Excavation	25-Apr-11	16	17-May-11	0%	123				
5C-06-W16-113(3)	Base Construction	18-May-11	24	21-Jun-11	0%	123				
Gyle Centre (exc.) to Depot Stop (inc.) (Ch.531 A,000)		21-Jun-10 A	381	30-Sep-11	716					
Design		06-Apr-11	0	06-Apr-11	0					
5C-06-TRMS-100	Issue Construction Drawings - Gogar Interchange Tramstop	06-Apr-11*	0	06-Apr-11*	0%	0				
Change		18-Mar-11	0	18-Mar-11	536					
1A-24-CHGE-280	Assumed receipt of the Change Order (BDDH-FC) - A8 Underpass	18-Mar-11*	0	18-Mar-11	0%	212-280				
2A-24-CHGE-400	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	18-Mar-11*	0	18-Mar-11	0%	536-400				
2A-24-CHGE-410	Assumed receipt of the Change Order (BDDH-FC) - Depot Stop	18-Mar-11*	0	18-Mar-11	0%	172-410				
A8 Underpass (W28)		21-Jun-10 A	381	30-Sep-11	716					
Phase 4		21-Jun-10 A	254	17-Aug-11	749					
5C-03-W28-82(3)10	Deck Construction	21-Jun-10 A	67	15-Jun-11	40%	212				
5C-03-W28-82(3)20	South Portal	30-Sep-10 A	55	17-Aug-11	2%	749				
Tunnel Construction		24-May-11	91	30-Sep-11	288					
5C-03-W28-94(3)	Phases 1 & 2	24-May-11	91	30-Sep-11	0%	296				
5C-03-W28-80(3)30	Finishes	03-Sep-10 A	67	20-Jul-11	286					
5C-03-W28-80(3)30	Finishes	03-Sep-10 A	67	20-Jul-11	2%	286				
Depot Access Bridge (S37)		23-Aug-10 A	156	25-May-11	806					
North Abutment		23-Aug-10 A	15	18-Mar-11	853					

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Actual Work % Complete

Normal WBS Summary Activity

Milestone

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4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



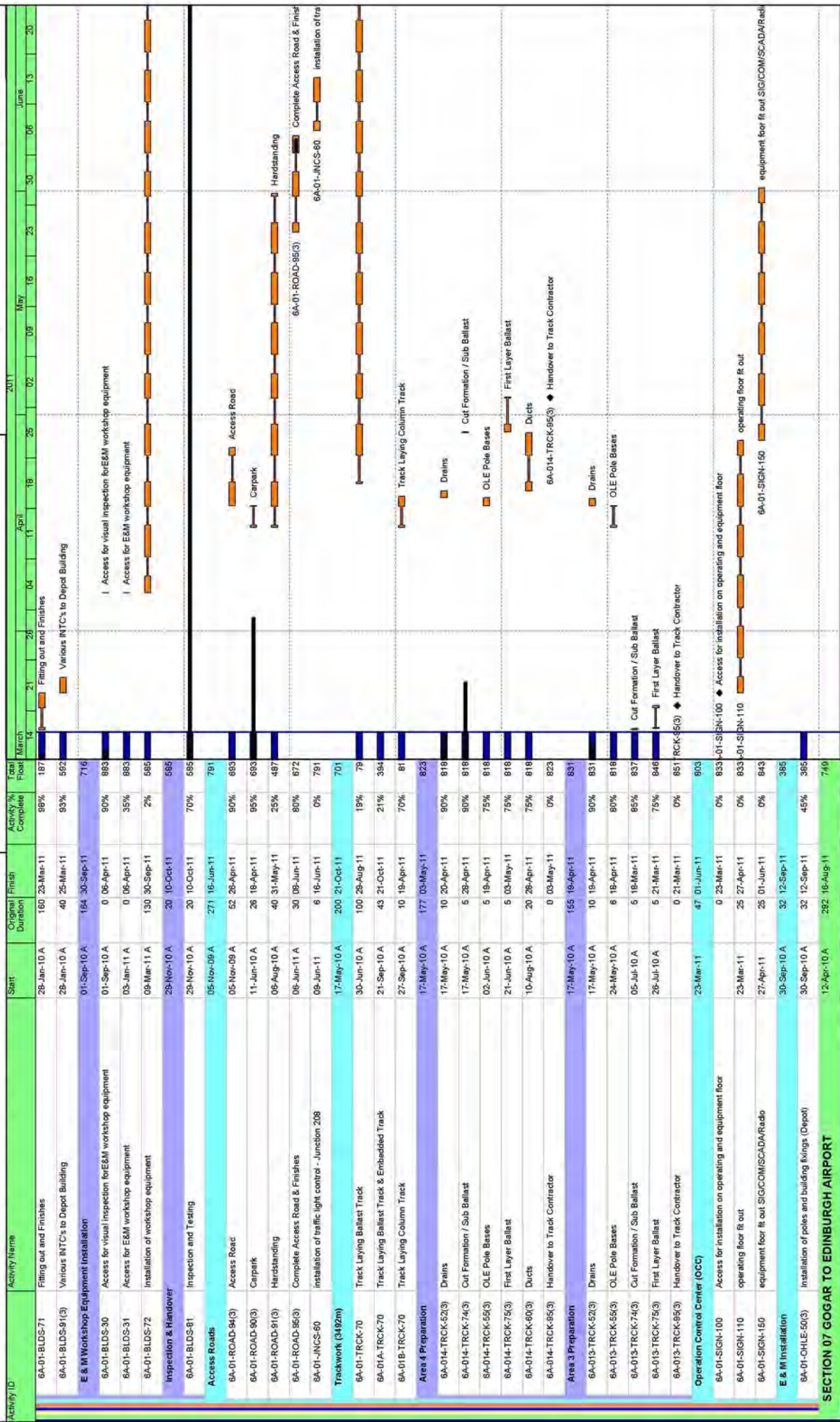
Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float	March	April	May	June
5C-03-S32-20(3)	Drainage & backfill	23-Aug-10 A	15	18-Mar-11	100%	853	14	21	28	25
<b>South Abutment</b>										
5C-03-S32-60(3)	Drainage & Backfill	03-Nov-10 A	25	18-Mar-11	100%	853	14	21	28	25
<b>Superstructure</b>										
5C-03-S32-65(3)	Deck	18-Nov-10 A	136	25-May-11	73%	407	14	21	28	25
5C-03-S32-70(3)	Finishes	29-Mar-11	39	25-May-11	0%	407	14	21	28	25
<b>Trackwork (662m)</b>										
5C-03-TRCK-30	Bulk Excavation	26-May-11	12	13-Jun-11	0%	407	14	21	28	25
<b>Design</b>										
206	Issue for Construction Drawings - Earthworks	18-Mar-11	0	18-Mar-11	0%	-338	206			
<b>Change</b>										
2A-24-CHGE-420	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	18-Mar-11	0	18-Mar-11	0%	163	420			
2A-24-CHGE-430	Assumed receipt of the Change Order (BDDH-FC) - Gogarburn TS	18-Mar-11	0	18-Mar-11	0%	232	430			
<b>Trackwork (662m)</b>										
5C-02-TRCK-30	Earthworks and Subbase	25-May-10 A	12	16-May-11	70%	163				
5C-02-TRCK-50	Drainage and OLE Foundations	09-Aug-10 A	23	24-May-11	73%	163				
5C-02-TRCK-51(3)	Additional Drainage	22-Sep-10 A	31	10-May-11	50%	163				
1A-24-CHGE-270	Agreement of Change (BDDH-FC)	18-Mar-11	0	18-Mar-11	0%	163	270			
5C-02-TRCK-40	Track Formation and Ducts	24-May-11	12	10-Jun-11	0%	163				
<b>SECTION 06 GOGAR DEPOT</b>										
Opening Sequence A (Airport to Haymarket)										
06A Gogar Depot		21-Sep-09 A	331	21-Oct-11	701					
<b>Change</b>										
1A-24-CHGE-540	Assumed receipt of the Change Order (BDDH-FC) - Access Road	18-Mar-11	0	18-Mar-11	0%	487	540			
1A-24-CHGE-550	Assumed receipt of the Change Order (BDDH-FC) - Drainage	18-Mar-11	0	18-Mar-11	0%	79	550			
2A-24-CHGE-440	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	18-Mar-11	0	18-Mar-11	0%	81	440			
2A-24-CHGE-450	Assumed receipt of the Change Order (BDDH-FC) - Depot SS	18-Mar-11	0	18-Mar-11	0%	544	450			
<b>Change</b>										
6A-01-TRCK-50(3)	Drainage and Outfall (remaining quantity)	21-Sep-09 A	144	21-Apr-11	829					
1289	Drainage and Outfall	21-Sep-09 A	40	18-Apr-11	850					
6A-01-TRCK-51(3)	Additional Drainage	07-May-10 A	90	21-Apr-11	79					
<b>Depot Building</b>										
6A-01-BLDS-70	Building Services Installation	28-Jan-10 A	246	10-Oct-11	710					
6A-01-BLDS-80	Building Services Commissioning	28-Jan-10 A	140	22-Mar-11	585					
<b>Finishing Out &amp; Finishes</b>										
6A-01-BLDS-80	Building Services Commissioning	31-Mar-10 A	130	05-Apr-11	585					
6A-01-BLDS-80	Building Services Commissioning	28-Jan-10 A	200	25-Mar-11	592					

Actual Work
  % Complete
  WBS Summary Activity
  Milestone

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Legend:

- Actual Work
- Normal
- Milestone
- % Complete
- WBS Summary Activity



4 Week Look-Ahead Programme

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EDINBURGH TRAM NETWORK



Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
<b>Opening Sequence A (Airport to Haymarket)</b>						
07A	Gogarburn (exc) to Edinburgh Airport (inc) (Ch.710.000 - 712.979)	12-Apr-10 A	292	16-Aug-11	749	
<b>Gogarburn (exc) to Edinburgh Airport (inc) &amp; Rites (inc) (Ch.711.260)</b>						
<b>Design</b>						
7A-04-ROAD-40	Re-issue Construction Drawings - Roadwork	18-Mar-11	0	19-Mar-11	-121	
<b>Change</b>						
2A-24-CHGE-460	Assumed receipt of the Change Order (BDDH-FC) - Ingliston TS	19-Mar-11	0	18-Mar-11	853	
2A-24-CHGE-470	Assumed receipt of the Change Order (BDDH-FC) - Culvert 1	19-Mar-11	0	18-Mar-11	312-460	
2A-24-CHGE-480	Assumed receipt of the Change Order (BDDH-FC) - Culvert 2	19-Mar-11	0	18-Mar-11	853-470	
2A-24-CHGE-490	Assumed receipt of the Change Order (BDDH-FC) - Culvert 3	19-Mar-11	0	18-Mar-11	853-480	
2A-24-CHGE-500	Assumed receipt of the Change Order (BDDH-FC) - Gogarburn Bridge	19-Mar-11	0	18-Mar-11	853-490	
2A-24-CHGE-510	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	19-Mar-11	0	18-Mar-11	839-500	
2A-24-CHGE-520	Assumed receipt of the Change Order (BDDH-FC) - Ingliston SS	19-Mar-11	0	18-Mar-11	266-510	
<b>Trackwork (1730m)</b>						
7A-04-TRCK-31(3)	Additional Earthworks	05-May-10 A	292	16-Aug-11	343	
7A-04-TRCK-30	Earthworks and Subbase	05-May-10 A	127	28-Apr-11	266	
7A-04-TRCK-50	Drainage and OLE Foundations	11-May-10 A	27	28-Apr-11	266	
7A-04-TRCK-40	Bottom Ballast and Ducts	05-Jul-10 A	30	09-May-11	266	
7A-04-TRCK-70	Track Laying (1750m)	19-Jul-10 A	30	25-May-11	266	
<b>Gogar Langhill Site</b>						
7A-04-TRCK-110(3)	Three Months Settlement Period (provisional)	30-Jun-10 A	272	16-Aug-11	343	
7A-04-TRCK-120(3)	Remove Surcharge	30-Jun-10 A	66	18-Mar-11	363	
7A-04-TRCK-130(3)	Soil Nailing	13-Sep-10 A	32	20-May-11	343	
<b>Ingliston Park and Ride Substation</b>						
1A-24-CHGE-280	Assumed receipt of the Change Order (BDDH-FC)	18-Mar-11	0	18-Mar-11	554	
7A-04-SUBS-80	Civil Engineering and Building Works	15-Apr-11	65	19-Jul-11	554-280	
<b>Ingliston Park &amp; Ride (exc) to Edinburgh Airport (inc) (Ch.72.000)</b>						
<b>Design</b>						
7A-05-TRCK-10	Issue Construction Drawings Trackwork (New Ingliston Ltd)	18-Mar-11	46	24-May-11	215	
7A-05-TRCK-20	Issue Construction Drawings Gogarburn RW's Redesign	0	18-Mar-11	0	251	
7A-04-ROAD-70	Re-issue Construction Drawings - Roadwork	0	18-Mar-11	0	70	
7A-05-TRMS-110	Issue Construction Drawings - Airport TS Kiosk	0	24-May-11	0	-121	
<b>Change</b>						
2A-24-CHGE-530	Assumed receipt of the Change Order (BDDH-FC) - Gogarburn RW	18-Mar-11	0	18-Mar-11	200-530	
2A-24-CHGE-540	Assumed receipt of the Change Order (BDDH-FC) - Edinburgh Airport TS	19-Mar-11	0	18-Mar-11	292-540	
2A-24-CHGE-550	Assumed receipt of the Change Order (BDDH-FC) - Trackwork	19-Mar-11	0	18-Mar-11	271-550	
<b>EAL Programme</b>						
<b>Procurement</b>						
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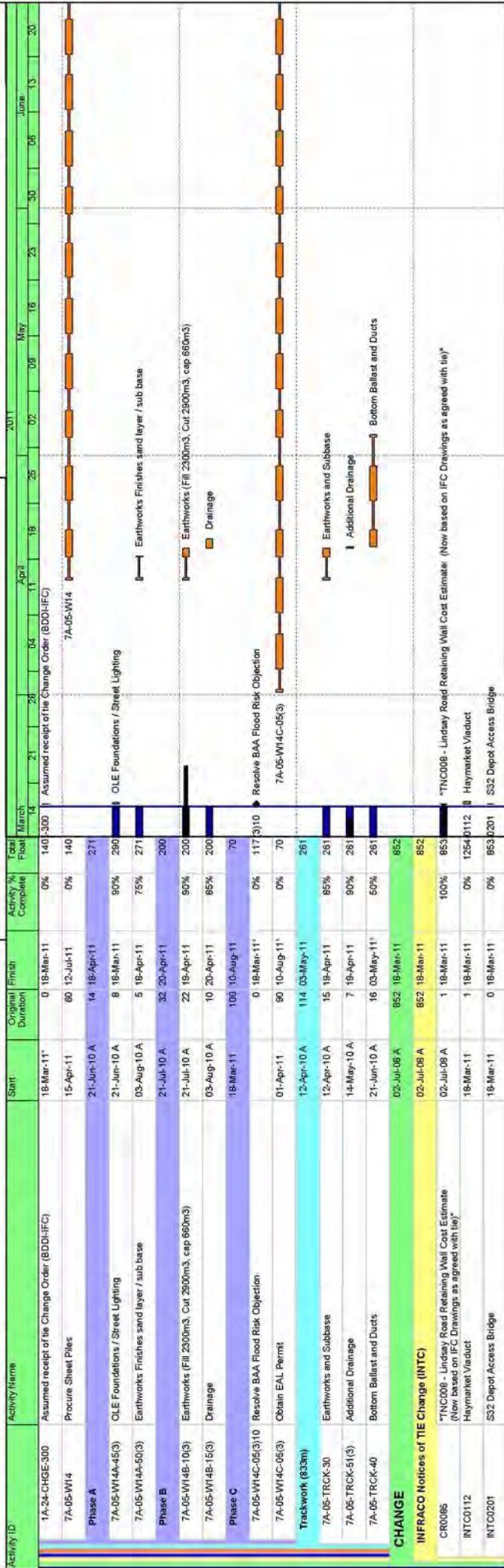
■ Actual Work   
 ■ % Complete   
 ■ WBS Summary Activity  
◆ Normal   
 ◆ Milestone



4 Week Look-Ahead Programme

19 March - 15 April 2011 (extended to 10 June 2011)

EDINBURGH TRAM NETWORK



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## **10.4 Tram Programme**



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

UNIT	STATUS
A-1	FATT issued
B-1	FATT issued
C-1	FATT issued
F-1	FATT issued
G-1	FATT issued
D-1	FATT issued
E-1	FATT issued

UNIT	STATUS
A-2	Delivered at Princes Street. FATT issued
B-2	Delivered at Princes Street. FATT issued
C-2	Delivered at Princes Street. FATT issued
F-2	Delivered at Princes Street. FATT issued
G-2	Delivered at Princes Street. FATT issued
D-2	Delivered at Princes Street. FATT issued
E-2	Delivered at Princes Street. FATT issued

UNIT	STATUS
A-3	Ready for Transport, FATT issued
B-3	Ready for Transport, FATT issued
C-3	Ready for Transport, FATT issued
F-3	Ready for Transport, FATT issued
G-3	Ready for Transport, FATT issued
D-3	Ready for Transport, FATT issued
E-3	Ready for Transport, FATT issued

UNIT	STATUS
A-4	Ready for Transport, FATT issued
B-4	Ready for Transport, FATT issued
C-4	Ready for Transport, FATT issued
F-4	Ready for Transport, FATT issued
G-4	Ready for Transport, FATT issued
D-4	Ready for Transport, FATT issued
E-4	Ready for Transport, FATT issued

UNIT	STATUS
A-5	Ready for Transport, FATT issued
B-5	Ready for Transport, FATT issued
C-5	Ready for Transport, FATT issued
F-5	Ready for Transport, FATT issued
G-5	Ready for Transport, FATT issued
D-5	Ready for Transport, FATT issued
E-5	Ready for Transport, FATT issued



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

UNIT	STATUS
A-6	Ready for Transport, FART issued
B-6	Ready for Transport, FART issued
C-6	Ready for Transport, FART issued
F-6	Ready for Transport, FART issued
G-6	Ready for Transport, FART issued
D-6	Ready for Transport, FART issued
E-6	Ready for Transport, FART issued

UNIT	STATUS
A-7	Ready for Transport, FART issued
B-7	Ready for Transport, FART issued
C-7	Ready for Transport, FART issued
F-7	Ready for Transport, FART issued
G-7	Ready for Transport, FART issued
D-7	Ready for Transport, FART issued
E-7	Ready for Transport, FART issued

UNIT	STATUS
A-8	Ready for Transport, FART issued
B-8	Ready for Transport, FART issued
C-8	Ready for Transport, FART issued
F-8	Ready for Transport, FART issued
G-8	Ready for Transport, FART issued
D-8	Ready for Transport, FART issued
E-8	Ready for Transport, FART issued

UNIT	STATUS
A-9	Ready for Transport, FART issued
B-9	Ready for Transport, FART issued
C-9	Ready for Transport, FART issued
F-9	Ready for Transport, FART issued
G-9	Ready for Transport, FART issued
D-9	Ready for Transport, FART issued
E-9	Ready for Transport, FART issued

UNIT	STATUS
A-10	Ready for Transport, FART issued
B-10	Ready for Transport, FART issued
C-10	Ready for Transport, FART issued
F-10	Ready for Transport, FART issued
G-10	Ready for Transport, FART issued
D-10	Ready for Transport, FART issued
E-10	Ready for Transport, FART issued



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

UNIT	STATUS
A-11	Ready for Transport, FART issued
B-11	Ready for Transport, FART issued
C-11	Ready for Transport, FART issued
F-11	Ready for Transport, FART issued
G-11	Ready for Transport, FART issued
D-11	Ready for Transport, FART issued
E-11	Ready for Transport, FART issued

UNIT	STATUS
A-12	Ready for Transport, FART issued
B-12	Ready for Transport, FART issued
C-12	Ready for Transport, FART issued
F-12	Ready for Transport, FART issued
G-12	Ready for Transport, FART issued
D-12	Ready for Transport, FART issued
E-12	Ready for Transport, FART issued

UNIT	STATUS
A-13	Ready for Transport, FART issued
B-13	Ready for Transport, FART issued
C-13	Ready for Transport, FART issued
F-13	Ready for Transport, FART issued
G-13	Ready for Transport, FART issued
D-13	Ready for Transport, FART issued
E-13	Ready for Transport, FART issued

UNIT	STATUS
A-14	Ready for Transport, FART issued
B-14	Ready for Transport, FART issued
C-14	Ready for Transport, FART issued
F-14	Ready for Transport, FART issued
G-14	Ready for Transport, FART issued
D-14	Ready for Transport, FART issued
E-14	Ready for Transport, FART issued

UNIT	STATUS
A-15	Ready for Transport, FART issued
B-15	Ready for Transport, FART issued
C-15	Ready for Transport, FART issued
F-15	Ready for Transport, FART issued
G-15	Ready for Transport, FART issued
D-15	Ready for Transport, FART issued
E-15	Ready for Transport, FART issued



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

UNIT	STATUS
A-16	Ready for Transport, FART issued
B-16	Ready for Transport, FART issued
C-16	Ready for Transport, FART issued
F-16	Ready for Transport, FART issued
G-16	Ready for Transport, FART issued
D-16	Ready for Transport, FART issued
E-16	Ready for Transport, FART issued

UNIT	STATUS
A-17	Ready for transport, FART issued
B-17	Ready for transport, FART issued
C-17	Ready for transport, FART issued
F-17	Ready for transport, FART issued
G-17	Ready for transport, FART issued
D-17	Ready for transport, FART issued
E-17	Ready for transport, FART issued

UNIT	STATUS
A-18	Ready for transport, FART issued
B-18	Ready for transport, FART issued
C-18	Ready for transport, FART issued
F-18	Ready for transport, FART issued
G-18	Ready for transport, FART issued
D-18	Ready for transport, FART issued
E-18	Ready for transport, FART issued

UNIT	STATUS
A-19	Ready for transport, FART issued
B-19	Ready for transport, FART issued
C-19	Ready for transport, FART issued
F-19	Ready for transport, FART issued
G-19	Ready for transport, FART issued
D-19	Ready for transport, FART issued
E-19	Ready for transport, FART issued

UNIT	STATUS
A-20	Ready for transport, FART issued
B-20	Ready for transport, FART issued
C-20	Ready for transport, FART issued
F-20	Ready for transport, FART issued
G-20	Ready for transport, FART issued
D-20	Ready for transport, FART issued
E-20	Ready for transport, FART issued



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

UNIT	STATUS
A-21	Ready for transport, FART will be issued
B-21	Ready for transport, FART will be issued
C-21	Ready for transport, FART will be issued
F-21	Ready for transport, FART will be issued
G-21	Ready for transport, FART will be issued
D-21	Ready for transport, FART will be issued
E-21	Ready for transport, FART will be issued

UNIT	STATUS
A-22	Ready for transport, Tram Inspector inspection 8-11 March
B-22	Ready for transport, Tram Inspector inspection 8-11 March
C-22	Ready for transport, Tram Inspector inspection 8-11 March
F-22	Ready for transport, Tram Inspector inspection 8-11 March
G-22	Ready for transport, Tram Inspector inspection 8-11 March
D-22	Ready for transport, Tram Inspector inspection 8-11 March
E-22	Ready for transport, Tram Inspector inspection 8-11 March

UNIT	STATUS
A-23	Factory tests
B-23	Factory tests
C-23	Factory tests
F-23	Factory tests
G-23	Factory tests
D-23	Factory tests
E-23	Factory tests

UNIT	STATUS
A-24	Coupled. To begin factory tests
B-24	Coupled. To begin factory tests
C-24	Coupled. To begin factory tests
F-24	Coupled. To begin factory tests
G-24	Coupled. To begin factory tests
D-24	Coupled. To begin factory tests
E-24	Coupled. To begin factory tests

UNIT	STATUS
A-25	Finishing process
B-25	Finishing process
C-25	Finishing process
F-25	Finishing process
G-25	Finishing process
D-25	Finishing process



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

E-25	Finishing process
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**INFORME DE AVANCE DE FABRICACIÓN**  
**MANUFACTURING STATUS**  
**"EDINBURGH TRAM"**

UNIT	STATUS
A-26	Finishing process
B-26	Finishing process
C-26	Finishing process
F-26	Finishing process
G-26	Finishing process
D-26	Finishing process
E-26	Finishing process

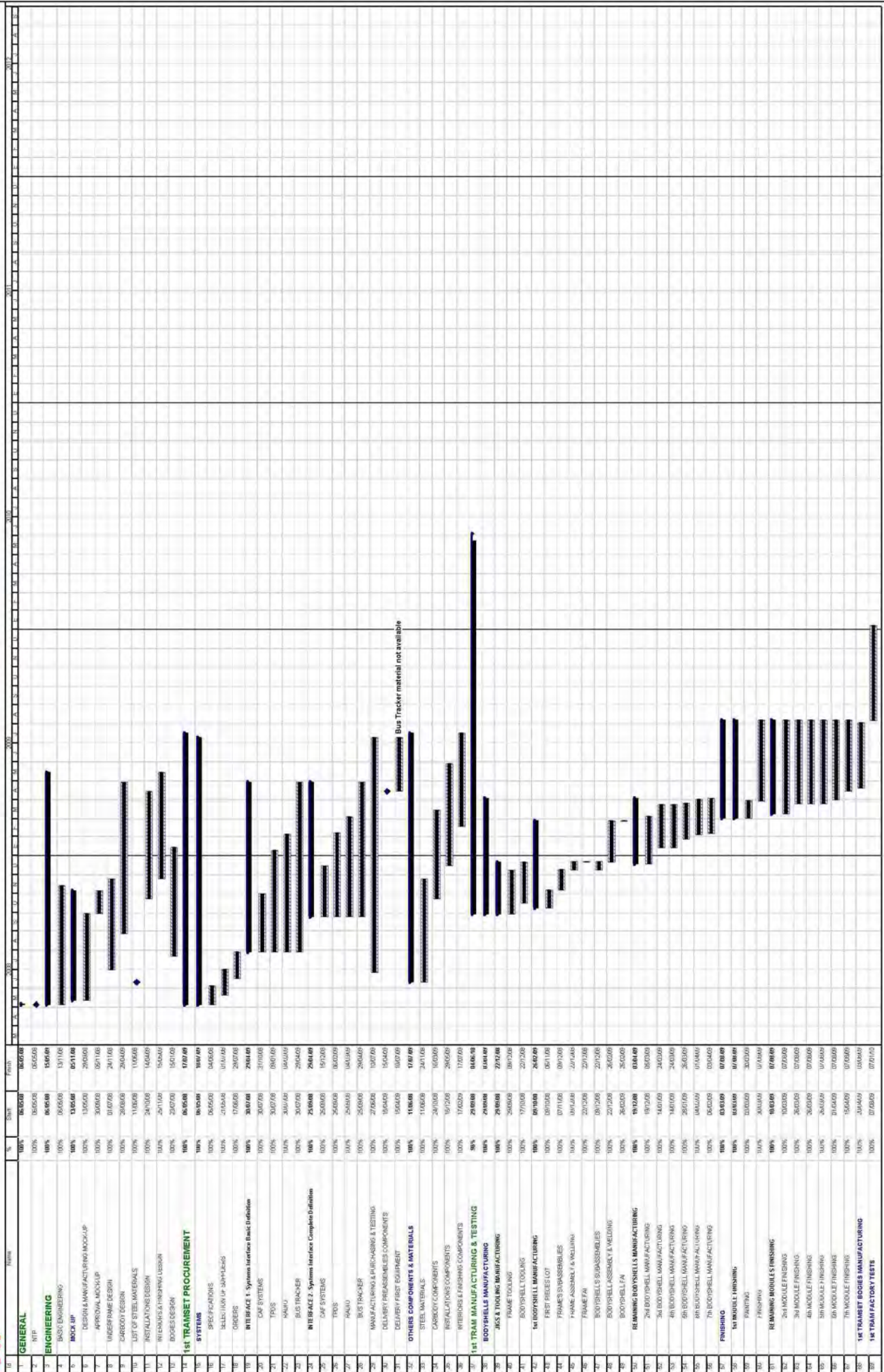
UNIT	STATUS
A-27	Finishing process
B-27	Finishing process
C-27	Finishing process
F-27	Finishing process
G-27	Finishing process
D-27	Finishing process
E-27	Finishing process

*Signed:* Gorka Galdeano  
CAF Q.A.





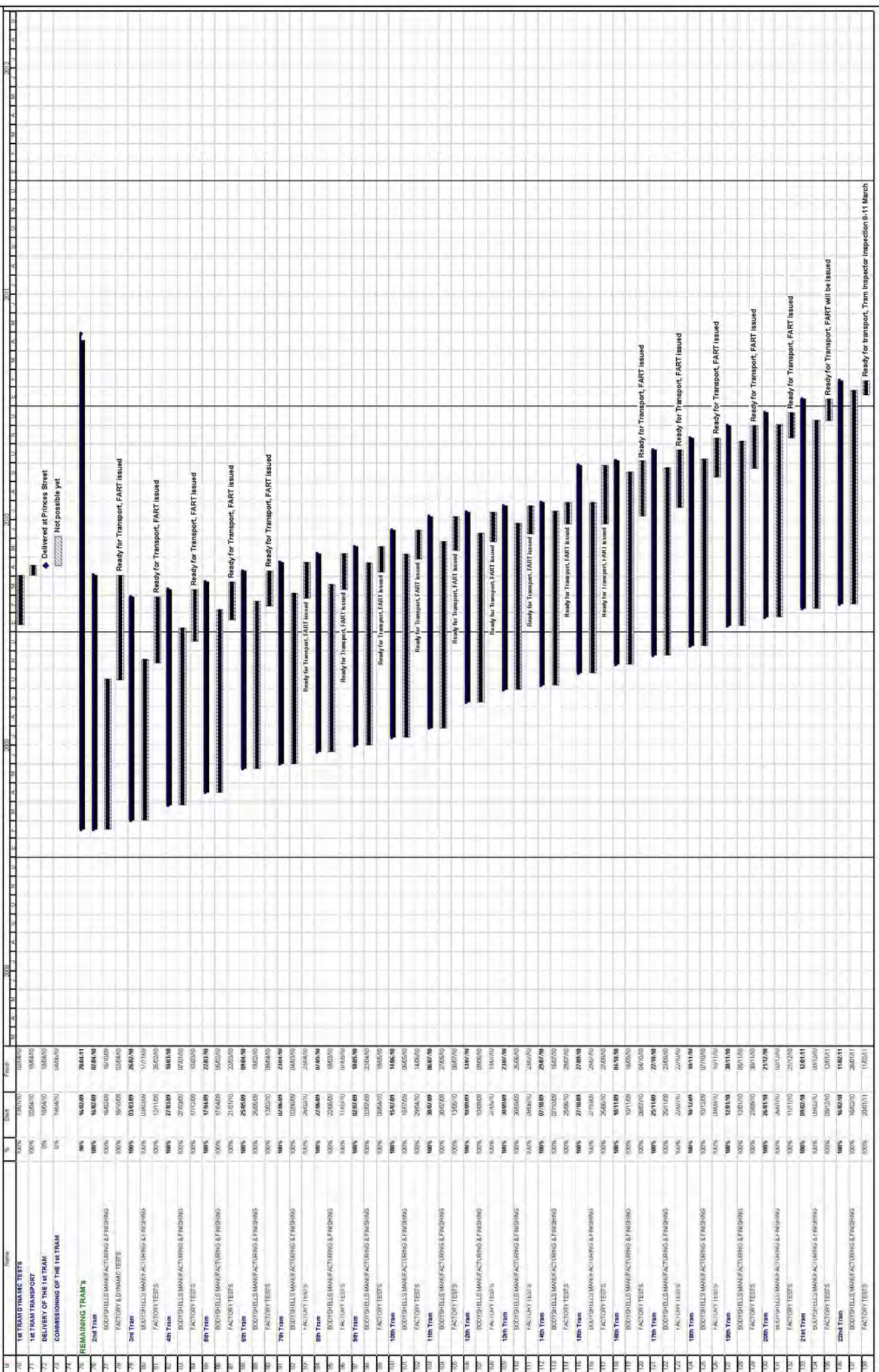
**SUPPLY OF 27 TRAMS FOR THE EDINBURGH TRAM NETWORK**  
PROJECT PLANNING up to 8th of March







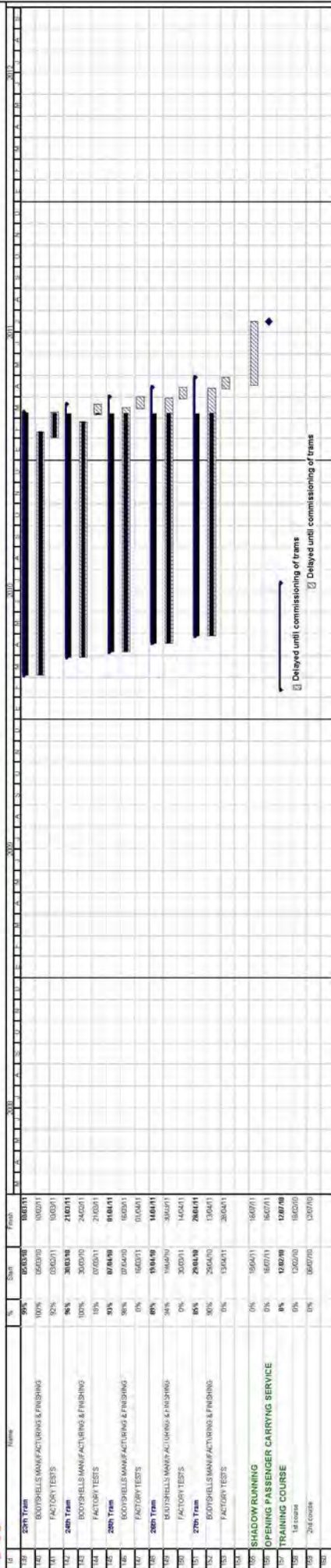
**SUPPLY OF 27 TRAMS FOR THE EDINBURGH TRAM NETWORK**  
PROJECT PLANNING up to 8th of March







**SUPPLY OF 27 TRAMS FOR THE EDINBURGH TRAM NETWORK**  
PROJECT PLANNING up to 8th of March

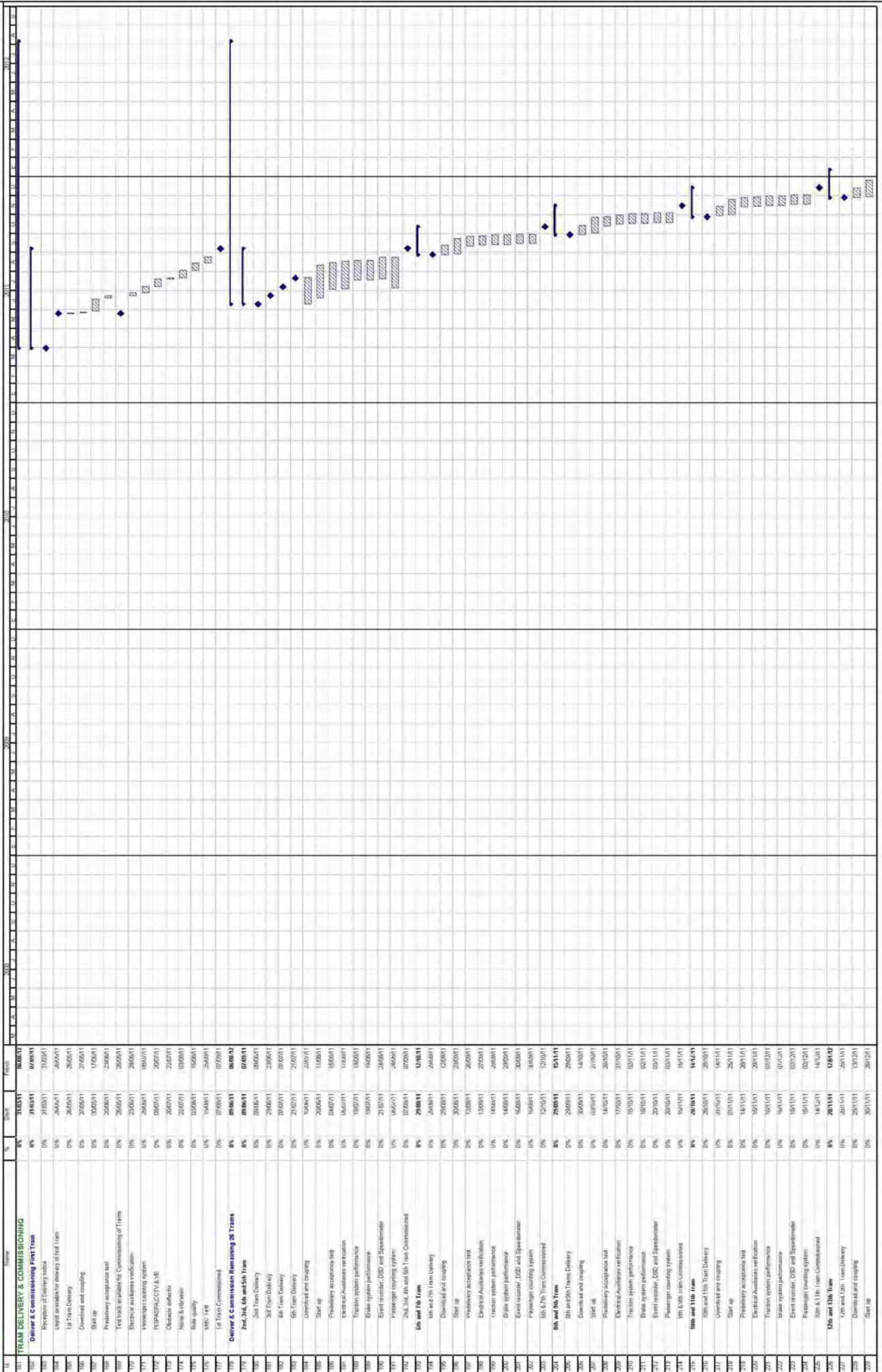


Delayed until commissioning of trams  
Delayed until commissioning of trams





**SUPPLY OF 27 TRAMS FOR THE EDINBURGH TRAM NETWORK**  
PROJECT PLANNING up to 8th of March







**SUPPLY OF 27 TRAMS FOR THE EDINBURGH TRAM NETWORK**  
PROJECT PLANNING up to 8th of March

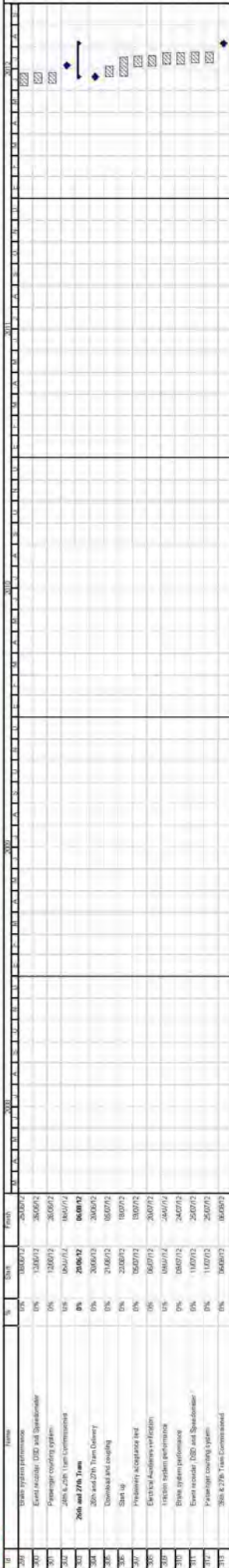
ID	Name	%	Start	Finish
227	Pre delivery acceptance test	0%	19/02/17	27/02/17
228	Electrical/Assistant verification	0%	14/02/17	20/02/17
229	Traction system performance	0%	15/02/17	30/02/17
230	Event recorder, OSD and Spokenword	0%	19/02/17	30/02/17
231	Passenger counting system	0%	19/02/17	02/03/17
232	12th & 13th Tram Commissioned	0%	12/02/17	12/02/17
233	14th and 15th Tram	0%	27/02/17	08/03/17
234	16th and 17th Tram Delivery	0%	27/02/17	27/02/17
235	Download and coupling	0%	28/02/17	11/03/17
236	Start up	0%	28/02/17	04/03/17
237	Pre delivery acceptance test	0%	11/03/17	25/03/17
238	Electrical/Assistant verification	0%	02/03/17	26/03/17
239	Traction system performance	0%	13/03/17	30/03/17
240	Event recorder, OSD and Spokenword	0%	13/03/17	30/03/17
241	Passenger counting system	0%	13/03/17	30/03/17
242	16th and 17th Tram Commissioned	0%	16/03/17	16/03/17
243	18th & 19th Tram Delivery	0%	16/03/17	16/03/17
244	Download and coupling	0%	26/03/17	09/04/17
245	Start up	0%	27/03/17	25/04/17
246	Pre delivery acceptance test	0%	09/04/17	20/04/17
247	Electrical/Assistant verification	0%	10/04/17	26/04/17
248	Traction system performance	0%	13/04/17	26/04/17
249	Event recorder, OSD and Spokenword	0%	13/04/17	26/04/17
250	Passenger counting system	0%	13/04/17	26/04/17
251	20th and 21st Tram	0%	23/04/17	03/05/17
252	22nd and 23rd Tram Delivery	0%	23/04/17	03/05/17
253	Download and coupling	0%	24/04/17	08/05/17
254	Start up	0%	24/04/17	21/05/17
255	Pre delivery acceptance test	0%	09/05/17	20/05/17
256	Electrical/Assistant verification	0%	10/05/17	26/05/17
257	Traction system performance	0%	13/05/17	26/05/17
258	Event recorder, OSD and Spokenword	0%	13/05/17	26/05/17
259	Passenger counting system	0%	13/05/17	26/05/17
260	24th and 25th Tram Commissioned	0%	23/05/17	03/06/17
261	26th and 27th Tram Delivery	0%	23/05/17	03/06/17
262	Download and coupling	0%	24/05/17	08/06/17
263	Start up	0%	24/05/17	21/06/17
264	Pre delivery acceptance test	0%	09/06/17	20/06/17
265	Electrical/Assistant verification	0%	10/06/17	26/06/17
266	Traction system performance	0%	13/06/17	26/06/17





**SUPPLY OF 27 TRAMS FOR THE EDINBURGH TRAM NETWORK**  
PROJECT PLANNING up to 8th of March

ID	Name	%	Start	Finish
257	Tram system performance	0%	18/07/12	25/07/12
258	Event recorder (ED) and Spandauer	0%	13/07/12	25/07/12
301	Passenger coaching system	0%	13/07/12	26/07/12
302	26th & 27th Tram Communication	0%	05/07/12	18/07/12
303	<b>26th and 27th Tram</b>	<b>0%</b>	<b>20/06/12</b>	<b>04/08/12</b>
304	26th and 27th Tram Delivery	0%	20/06/12	20/06/12
305	Downs of V&A coupling	0%	21/06/12	02/07/12
306	Start up	0%	22/06/12	18/07/12
307	Provision of spare part	0%	05/07/12	18/07/12
308	Event recorder verification	0%	05/07/12	20/07/12
309	Tram system performance	0%	09/07/12	04/07/12
310	Brake system performance	0%	08/07/12	24/07/12
311	Event recorder (ED) and Spandauer	0%	11/07/12	25/07/12
312	Passenger coaching system	0%	11/07/12	25/07/12
313	26th & 27th Tram Commissioned	0%	26/06/12	18/08/12







**SUPPLY OF 27 TRAMS FOR THE EDINBURGH TRAM NETWORK**  
PROJECT PLANNING up to 8th of March

Id	Tram	%	Start	Finish
214	<b>TRAM DELIVERY</b>			
215	1st Tram	0%	24/06/11	24/06/11
216	2nd & 3rd Trams	0%	24/06/11	24/06/11
217	4th & 5th Trams	0%	24/06/11	24/06/11
218	6th & 7th Trams	0%	24/06/11	24/06/11
219	8th & 9th Trams	0%	24/06/11	24/06/11
220	10th & 11th Trams	0%	28/07/11	28/07/11
221	12th & 13th Trams	0%	28/07/11	28/07/11
222	14th & 15th Trams	0%	27/07/11	27/07/11
223	16th & 17th Trams	0%	25/07/12	25/07/12
224	18th & 19th Trams	0%	24/07/12	24/07/12
225	20th & 21st Trams	0%	23/07/12	23/07/12
226	22nd & 23rd Trams	0%	20/07/12	20/07/12
227	24th & 25th Trams	0%	20/07/12	20/07/12
228	26th & 27th Trams	0%	20/07/12	20/07/12
229	<b>REMAINING TRAM'S COMMISSIONED</b>	<b>0%</b>	<b>01/06/11</b>	<b>06/06/12</b>
230	1st Tram	0%	07/06/11	07/06/11
231	2nd & 3rd Trams	0%	07/06/11	07/06/11
232	4th & 5th Trams	0%	07/06/11	07/06/11
233	6th & 7th Trams	0%	12/07/11	12/07/11
234	8th & 9th Trams	0%	19/07/11	19/07/11
235	10th & 11th Trams	0%	14/07/11	14/07/11
236	12th & 13th Trams	0%	14/07/12	14/07/12
237	14th & 15th Trams	0%	14/07/12	14/07/12
238	16th & 17th Trams	0%	13/07/12	13/07/12
239	18th & 19th Trams	0%	10/07/12	10/07/12
240	20th & 21st Trams	0%	07/07/12	07/07/12
241	22nd & 23rd Trams	0%	07/07/12	07/07/12
242	24th & 25th Trams	0%	06/07/12	06/07/12
243	26th & 27th Trams	0%	06/07/12	06/07/12



## **10.5 RFI Register**



## Civil Process Register

Company Bilfinger Berger Civil  
Channel ETV (<http://etn.mybbw.com>)



Status	System Ref	WorkPackage Ref	Publishing Company	Title	Content	Publishing User	Issued Date
Open	RFI-00277		Bilfinger Berger Civil	Haymarket Viaduct and Haymarket Yards	Could tie confirm if the works to Haymarket Viaduct and the Haymarkets yards area, are included within the embargo. (See attached RFI).	Hornsby, Andy	08/07/2010
Need further clarification	RFI-00278		Bilfinger Berger Civil	BAA Canopy & Kiosk	Please would tie advise on the following queries in relation to the Airport Canopy and Kiosk works. <ul style="list-style-type: none"> <li>• Location and position of existing Main Water or proposed if BAA are diverting - tie will require a meter system - please advise</li> <li>• Mains incoming supply for kiosk and canopy - location of existing or if BAA are diverting - plus meter location of proposed works</li> <li>• Foul connection to existing - check if new loads can cope with a WC and Kitchen waste on the existing system - BAA to advise and report to tie</li> <li>• Surface water discharge point to existing - if there is a singular system and not combined - positions and locations</li> <li>• G.I report for the location on the canopy and kiosk - report required for S.E. works and conditions</li> </ul>	Simon.Nesbitt	05/08/2010
Open	RFI-00281		Bilfinger Berger Civil	Section 1A Tower Place Bridge utility diversion	Reference Drawing ULE90130-01-UTL-00712 rev4 and the MUDFA drawing ULE90130-01-ASB-00011 rev1. Could tie please confirm what other (if any) utility works are required in the area of tower Place Bridge and Victoria Bridge.	Crawford, Iain	12/08/2010
Open	RFI-00282		Bilfinger Berger Civil	Scottish Water Foul Sewer Diversion Ch 523+670 to Ch 523+750	Drawing ref ULE90130-05-UTL-00418 v2 shows the existing Foul Sewer, conflict ref 5B/FS/05 that is to be diverted with the existing manhole and sewer to be abandoned. It appears that this diversion has not been carried out and there remains a conflict with an OLE Foundation, see attached sketch. Please confirm your programme for completing service diversions in this area to allow our works to progress.	Duncan, Lambert	12/08/2010
Open	RFI-00286		Bilfinger Berger Civil	ULE90130-05-LDS-00001	Further to the Informatives Workshop on 27 January 2011 where Mr Damian Sharp of tie stated that the landscaping works at the Russell Road TPH site were not to be carried out, please confirm by return that this proposal is acceptable to tie (and CEC) and that this modification can be captured in the as built drawings without any amendment to the design drawing ULE90130-05-LDS-00001.	Simon.Nesbitt	28/01/2011

## **10.6 Civil Works Procurement Schedule**











## **10.7 Change Register**

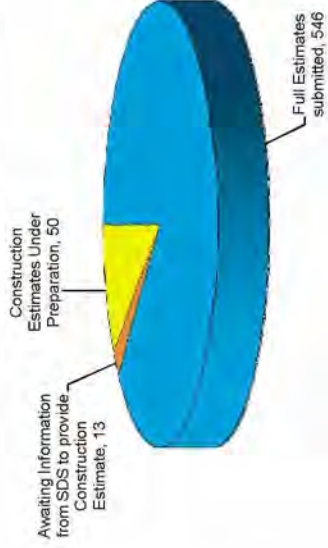
**INFRACO ESTIMATES SUBMITTED VS TIE CHANGE ORDERS ISSUED  
STATUS AT 11 March 2011**

**Overall Changes (INCs & INTCs)**

Total : 812 Number

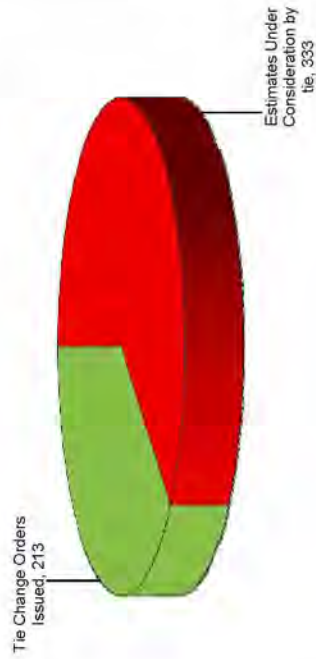


**Overall Estimates (INCs & INTCs)**

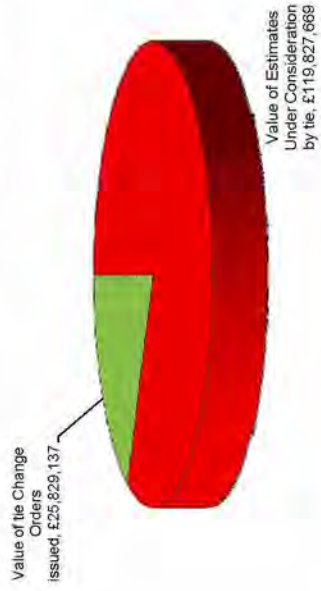


**Overall Estimates submitted and tie Change Orders Issued**

Total : 546 Number



**Value of TCN's & INTC's submitted VS Tie Change Orders Issued**









GENERAL INFORMATION										FINANCIAL INFORMATION																
Reference	Location / Description			Notification		Type of Change		Principle of Change Status with Ref			Value of Estimate Submissions / Change Order (€GBP)															
	ITC	ICO	Station	Activity Identifier	Item Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	Ref	Comments	By Date	SDS	BBBK	Simex	CAF	Subtotal	OH & P	Contingium	Problems	Other Problems	Total
21		2	2A	Excavation	Notified Disruption in accordance with 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	02-Jun-08	147	D	I	4077							4,488	449			4,488			323	786	6,554
22			2A	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	22-Jun-08	147	M	I																	
23		12	2A	Demolition	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	02-Jun-08	147	D	I	4077							1,750	175			1,750			130	306	2,361
24			2A	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	02-Jun-08	147	M	I																	
25			2A	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	02-Jun-08	147	M	I																	
26			1C	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
27			1D	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
28			1B	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
29			2A	Workman	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
30			3W	Workman	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
31			3	Workman	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
32			6B	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
33			5A	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
34			1D	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
35			1D	Workman	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
36			3	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
37			3	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
38			5W	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
39			1D	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
40			5W	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
41			3	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
42		6B	3	Design	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I	1566							2,050	205			2,050			162	2,479	
43			1D	Workman	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	17-Jun-08	189	M	I																	
44		1	1A	Highways	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	28-May-08	T.089	I	I	89								117,296			117,296	nd	8,877	20,200	186,471	
45			1B	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	09-Jul-08	217	M	I																	
46			1B	Preparations	Notified Disruption in accordance with paragraph 3.4.37 and 3.5. Schedule Part 4 due to the Aberdeen Street crossing delay and the delay and disruption to the tram's intended programme and method of work.	09-Jul-08	217	M	I																	











GENERAL INFORMATION										FINANCIAL INFORMATION															
References		Location / Description				Notification		Type of Change		Principle of Change Status with IR			Value of Estimate Submission / Change Order (BGBP)												
WTC	IRC	ICO	Section	Activity Identifier	Item Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	IR	By Date	SOS	BBBK	Stimulus	CAF	Subtotal	OH & P	Construction Premium	Other Premium	Total	
07		106	5A	Drainage	Realign and Bridge Approach Technical Design	14-Jul-20	208	D	I	14/11						2,095					2,095	208	164		2,468
08		107	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	15-Sep-20	495	M	I							16,070									
09		108	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	496	M	I							13,039									
10		109	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	497	M	I							13,039									
11		110	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	498	M	I							13,039									
12		111	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	499	M	I							13,039									
13		112	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	500	M	I							13,039									
14		113	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	501	M	I							13,039									
15		114	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	502	M	I							13,039									
16		115	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	503	M	I							13,039									
17		116	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	504	M	I							13,039									
18		117	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	505	M	I							13,039									
19		118	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	506	M	I							13,039									
20		119	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	507	M	I							13,039									
21		120	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	508	M	I							13,039									
22		121	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	509	M	I							13,039									
23		122	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	510	M	I							13,039									
24		123	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	511	M	I							13,039									
25		124	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	512	M	I							13,039									
26		125	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	513	M	I							13,039									
27		126	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	514	M	I							13,039									
28		127	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	515	M	I							13,039									
29		128	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	516	M	I							13,039									
30		129	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	517	M	I							13,039									
31		130	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	518	M	I							13,039									
32		131	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	519	M	I							13,039									
33		132	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	520	M	I							13,039									
34		133	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	521	M	I							13,039									
35		134	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	522	M	I							13,039									
36		135	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	523	M	I							13,039									
37		136	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	524	M	I							13,039									
38		137	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	525	M	I							13,039									
39		138	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	526	M	I							13,039									
40		139	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	527	M	I							13,039									
41		140	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	528	M	I							13,039									
42		141	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	529	M	I							13,039									
43		142	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	530	M	I							13,039									
44		143	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	531	M	I							13,039									
45		144	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	532	M	I							13,039									
46		145	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	533	M	I							13,039									
47		146	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	534	M	I							13,039									
48		147	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	535	M	I							13,039									
49		148	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	536	M	I							13,039									
50		149	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	537	M	I							13,039									
51		150	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	538	M	I							13,039									
52		151	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	539	M	I							13,039									
53		152	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	540	M	I							13,039									
54		153	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	541	M	I							13,039									
55		154	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	542	M	I							13,039									
56		155	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	543	M	I							13,039									
57		156	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	544	M	I							13,039									
58		157	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	545	M	I							13,039									
59		158	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	546	M	I							13,039									
60		159	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	547	M	I							13,039									
61		160	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	548	M	I							13,039									
62		161	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	549	M	I							13,039									
63		162	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	550	M	I							13,039									
64		163	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	551	M	I							13,039									
65		164	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	552	M	I							13,039									
66		165	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	553	M	I							13,039									
67		166	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	554	M	I							13,039									
68		167	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	555	M	I							13,039									
69		168	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	556	M	I							13,039									
70		169	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	557	M	I							13,039									
71		170	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	558	M	I							13,039									
72		171	5A	Provision	Technical Drawings and IR for Issue of SOS Design programme	11-Sep-20	559	M	I																



GENERAL INFORMATION										FINANCIAL INFORMATION															
Reference	Location / Description				Notification		Type of Change		Principle of Change Status with Ref			Value of Estimate Submission / Change Order (GBP)													
	IRC	ICO	Station	Activity Identifier	Brief Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	He	By Date	SOS	BBBK	Stimulus	CAF	Subtotal	OH & P	Contingium	Other Profits	Total	
117		9A		Demolition	Key Description removed at Ross Road Retaining Wall 16 (Rebarbed Steel Units & Reinforced Concrete)	18-Sep-09	497	M	I	738			BSC		TBA										
118		1C		Design	EC Drawing Change Central Lane Sub-Station	14-Oct-09	570	M	I	2139					14-02						1142	incl	65		1250
119		1B		Procurement	EC Drawing Change Central Lane Sub-Station	14-Oct-09	571	M	I						TBA										
120		1B		Procurement	EC Drawing Change Central Lane Sub-Station	14-Oct-09	572	M	I						TBA										
121		103	SW	Traffic Signals	Work Traffic Control (TTC) associated with delivery of the Agreement	17-Sep-09	T136	M	I	2488					15/06/10						5,991,897	incl	94,984	190,220	6,277,460
122		1A		Procurement	Delay in receipt of EC procurement documents	31-Jul-08	557	M	I						31/10/08										
123		1A		Design	Final Procurement and Design Completion	16-Sep-09	T154	M	I	2447					TBA						47,195	4,719	3,463		55,377
124		206	207	Procurement	Preparation for Provisional Construction License for Network Rail Shared Works	10-Oct-08	669	M	I						10/10/08						842,771	84,277	82,366	167,495	1,179,889
125		109	2A	3RD Hyattsville Viaduct	Intersect Overhead Conditions at Hyattsville Viaduct	10-Oct-08	660	M	I	2059					15/01/14						75,514	incl	5,080	13,215	94,317
126		1D		Work Item	Ground level at GLE (Zone 1) Station ID	10-Oct-08	577	C																	
127		1A		Work Item	Sign Package for Procurement	02-Oct-08	605	D																	
128		5B		Work Item	EC Drawing Change at Ross Road Retaining Wall	06-Oct-08	616	M	I																
129		1A		Procurement	EC Drawing Change at Ross Road Retaining Wall	06-Oct-08	600	M	I						2/11/08										
130		7A		Procurement	Delay to issue of IPC Drawing for Legation Park and Ross Road Sign	09-Oct-08	673	M	I						TBA										
131		1D		Work Item	Final Design for Work Item 1037 and 1038	10-Oct-09	620	M	I																
132		2A		Work Item	Work Item 1037 and 1038	10-Oct-09	601	M	I																
133		1C		Work Item	Work Item 1037 and 1038	10-Oct-09	621	M	I																
137		1A		Work Item	Work Item 1037 and 1038	08-Oct-08	612	D																	
138		5A		Design	Design for Work Item 1037 and 1038	08-Aug-08	7087	M	I	1696					TBA						27,316	2,732	2,021		32,069
139		144	1B	Design	Work Item 1037 and 1038	09-Oct-08	645	M	I	6193					16						3,897	360	260		4,516
142		1A		Procurement	Work Item 1037 and 1038	09-Oct-08	617	M	I						TBA										
143		1D		Procurement	Work Item 1037 and 1038	31-Oct-08	625	M	I	1220											14,171	1,417	1,243		16,831
143		5V		Procurement	Work Item 1037 and 1038	10-Oct-08	626	M	I																
143		5C		Design	Work Item 1037 and 1038	13-Oct-08	686	M	I	251											34,122	3,412	2,829		40,363
143B		5C		Highways	Work Item 1037 and 1038	29-Sep-10	6963	M	I						1						85,161		6,302	14,302	105,765
144		7A		Work Item	Work Item 1037 and 1038	07-Nov-08	672	M	I																
145		5C		Work Item	Work Item 1037 and 1038	14-Oct-08	651	M	I																
146A		5A		Work Item	Work Item 1037 and 1038	14-Oct-08	650	M	I																
146 B		5A		Work Item	Work Item 1037 and 1038	14-Oct-08	653	M	I	5146											298,227	incl	21,822	51,141	370,190



GENERAL INFORMATION										FINANCIAL INFORMATION														
References		Location / Descriptions				Notification		Type of Change		Principle of Change Status with IR			Value of Estimate Submissions / Change Order (BSP)											
HTC	ICO	Station	Activity Identifier	Brief Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	IR	Comments	SUS	BBBK	Stimulus	CAF	Subtotal	OH & P	Contingent Provisions	Other Provisions	Total	
147	5A	S210 Murrayfield Training Policy RW	FC Drawing Change Murrayfield Training Platform Retaining Wall	14-Oct-08	697	M	M	I				BSC	3007/10		385,522	31,501			385,522		26,301	63,816	454,639	
148	208	623B Engineer Road Murrayfield Railway Bridge	FC Drawing Change Bridge Road Overbridge (S22)	16-Oct-08	687	M	M	I				BSC	1906/08		152,439				152,439		11,280	38,877	196,266	
149	7A	Earlswinton	Removal and deposition of material from previous works section for per month	16-Oct-08	698	M	M	I				BSC	1906/08		79,896				79,896		1,252	12,291	99,452	
151	5A	Whithorn	FC Drawing Change S21 Retaining Structure	31-Oct-08	676	M	M	I																
151	1B	Dalrymple	Enclosure and replace existing 60 m wall with existing utility trenches	13-Oct-08	1216	I	I	I	3283						692									1,066
152	SW OFF	Earlswinton	FC Drawing Change Technical and Instrument Alignment Section 2 (S24) L3, L2, L1	16-Oct-08	700	M	M	I				BSC	3007/10		31,501				31,501		2,261	5,889	39,645	
153	5B	Soft Landings	FC Drawing Change S24 Landscaping Section & Street 1 to 2B	16-Oct-08	701	M	M	I					16		244,171			244,171		21,132	19,286	42,206	286,102	
154	SW OFF	OLE	FC Drawing Change OLE Section 5 & Street 1 to 13	16-Oct-08	702	M	M	I				BSC	1603/08		136,172			136,172		10,227	23,830	179,079		
154	7A	WILMOT'S Gurganion Retaining Wall	FC Drawing Change Gurganion RTM's 14A, 15A, 15B, 15C	15-Oct-08	703	M	M	I	2070						900,051			900,051		66	87,136	189,205	1,134,155	
155a	165	7A	WILMOT'S Gurganion Retaining Wall	FC Drawing Change Gurganion RTM's 14B & 15D	16-Oct-08	705	M	M	I	5370					9,979			9,979		167	738	1,748	12,464	
156	5B	Tronspire	FC Drawing Change Temporary Barrage Eastmole Bank	16-Oct-08	704	M	M	I							37,619			37,619		1,108	2,794	6,603	48,095	
157	20	7A	Change	Spurry at Existing Change (Stage 1) Loading	15-Oct-08	1218	M	I	4077						3,225			3,225		102	594	1,027	4,027	
168	18	165	313 Haymarket Viaduct	Revised Sums - Provide Civil Retention at Haymarket	16-Oct-08	1221	O	I	6364						697,714			697,714		10,871	8,119	19,206	148,002	
159	19	23	Provisional Sums	Provisional Sums - Reduction of Account Movements	14-Oct-08	661	O	I	897															831,709
159a	5B	SW	Provisional Sums	Provisional Sums - Reduction of Account Movements	16-Oct-08	222	O	I	3311						37,749			37,749		69	276	3,825	3,983	
160	5B	S27 Edinburgh Park Bridge	FC Drawing Change - Edinburgh Park Bridge	16-Oct-08	699	M	M	I				BSC	2005/08		295,315			295,315		3,287	16,247	39,605	286,063	
161	5V	Whithorn	Traffic Management - Temporary Traffic Signals	19-Oct-08	1215	I	I	I																
162	20	SW	Sensors	Bus Tracker, TPDS and Radio	16-Oct-08	1225	I	I	228									1,410,000						1,410,000
163	25	2A	Design	Haymarket Taxi Stance	24-Sep-08	519	I	I	292						22,330			22,330		2,223	1,862		26,219	
164	3V/08	Provisional	Provisional	Reduce Land Building Consent Application	20-Oct-08	580	M	I				BSC	1602/08		100,289			100,289						
165	5A	Haymarket	Delays to bus of FC for Station 14A	17-Oct-08	702	M	M	I				BSC	2001/08		200,108			200,108						1,410,000
166	7B	1A	Demolition	Demolition of existing garage and fuel tanks on Crewe Drive	20-Oct-08	706	I	I	4077						14,500			14,500		1,450	1,273	2,238	19,961	
167	55	5A	Murrayfield Windscreen Accommodation Works	Accommodation Works in Windscreen Cabchamber Building at Murrayfield	20-Oct-08	735	I	4	4077						141,831			141,831		14,183	10,481	24,766	191,067	
167a	5A	Murrayfield Windscreen Accommodation Works	Former change to Windscreen Cabchamber Building at Murrayfield	24-Dec-08	4776	I	4	4							812			812		1,443	3,201	26,597		
167b	10B	5A	Murrayfield Windscreen Accommodation Works	Former change to Windscreen Cabchamber Building at Murrayfield	20-Jul-10	15914	I	4	5614			BSC	3007/10		9,470			9,470		701	1,867	12,778		
167c	10B	5A	Murrayfield Windscreen Accommodation Works	Former change to Windscreen Cabchamber Building at Murrayfield	20-Jul-10	16023	I	4	6365						1,830			1,830		113	208	2,064		
168	16	1A	Demolition	Demolition of existing building at 33 Crewe Drive	20-Oct-08	717	I	I	4077						5,000			5,000		70	875	1,746	6,746	
169	45	1C	Highways	Reduction of Police Bus Caber Pace - Priority Place	20-Oct-08	719	I	I	4077						7,869			7,869		797	902	1,377	10,211	
170	27	7C	Windscreen	Windscreen and airbrake fitting building at Chalmers Lane	20-Oct-08	779	I	I							2,244			2,244		95	55	2,410	2,410	
171	73	5W	Traffic Management	Contract for Fiber Mounted by Tronspire and Using Working Arrangements	15-Oct-08	1227	I	I	1546						49,045			49,045		4,854	3,655	8,408	59,110	
172	23	SW	Design	Traffic Modelling - Redesign Crossing through Bank 3	08-Sep-08	466	I	I	245						36,458			36,458		3,648	2,201	716	42,844	
173	25	5A	Underground Structures	Discovery of underground pipe/pole at National Car Rental Site	20-Oct-08	736	I	I	4077						4,100			4,100		410	303	716	5,631	
174	1B	5W	Utilities	Discovery of new BT Sema under lane at Section 1B	20-Oct-08	731	M	I	1						0			0						0
175	5C	Whithorn	FC Drawing Change - Temporary Construction Barrage at Whithorn	22-Oct-08	741	I	I																	
176	22	9	5C	Contract Temporary Flange (2 no.) at Gogar Church Road	17-Oct-08	1221	I	I	4077						6,195			6,195		162	469	1,362	7,725	
177	1A	Whithorn	Contract for Cable Bar	Contract for Cable Bar	15-Oct-08	693/08	I	I																
178	5W	Haymarket	Provisional Sums - Mandatory New Change	Provisional Sums - Mandatory New Change	20-Oct-08	719	M	I																
179	5A	Dalrymple	Station Works at Murrayfield Station	Station Works at Murrayfield Station	16-Oct-08	1245	I	4	1545						122,229			122,229		12,229	9,251	14,694	142,494	
179a	5A	Accommodation Works	Former change to Murrayfield Station works	Former change to Murrayfield Station works	27-Apr-11	6533	I	4	2004						0			0		0	0	0	0	0
180	5A	Whithorn	Provisional Sums - Temporary Traffic Signals	Provisional Sums - Temporary Traffic Signals	30-Oct-08	602	I	I																



GENERAL INFORMATION										FINANCIAL INFORMATION															
References	Location / Description					Notification		Type of Change			Principle of Change Status with Ref			Value of Estimate Subtotals (Change Order (BdP))											
WTC	MC	ICO	Station	Activity Identifier	Need Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	Idc	By Date	SUS	BBBK	Summes	CAF	Sok total	OH & P	Contingent Problems	Other Profiles	Total	
101		7A		Widening	ECV Improvement via widening of footway (from 1.5m to 2.0m) and providing a new pedestrian crossing at the junction of the road and the tramway.	03-Oct-07	666	M	M							11,222	19,241	0	0	14,344	7,550	0,000	0	0	11,794
102		7A		Drainage	Ecological report for drainage	29-Oct-06	261	M	M	1150						11,222				11,222	1,122	850		15,175	
103		10		Widening	Widening of footway	03-Nov-05	107	M	M																
104		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	505	M	M	4017							143				143	14	11	25	152
105		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	506	M	M																0
106		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	507	M	M																0
107		6		Excavation	Additional access to road at Dalry	02-Nov-06	626	M	M	4017								1,345,000			1,345,000	99,574	235,400		1,680,074
108		7		Utilities	Discovery of water main during BT duct - Change 261 RHS	07-Nov-06	160	M	M																
109		8B		Construction	Construction of concrete drainage	04-Nov-08	628	M	M																
110		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	508	M	M																
111		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	509	M	M																
112		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	510	M	M	2712								130			130	13	10	20	160
113		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	511	M	M	4017								160			160	150	11	26	197
114		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	512	M	M	4017								238			238	230	25	88	445
115		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	513	M	M																
116		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	514	M	M	4017								875			875	87	50	116	970
117		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	515	M	M	4017								1,296			1,296	88	165		2,485
118		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	516	M	M	4017															
119		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	517	M	M	4017															
120		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	518	M	M	4017															
121		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	519	M	M	4017															
122		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	520	M	M	4017															
123		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	521	M	M	4017															
124		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	522	M	M	4017															
125		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	523	M	M	4017															
126		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	524	M	M	4017															
127		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	525	M	M	4017															
128		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	526	M	M	4017															
129		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	527	M	M	4017															
130		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	528	M	M	4017															
131		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	529	M	M	4017															
132		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	530	M	M	4017															
133		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	531	M	M	4017															
134		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	532	M	M	4017															
135		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	533	M	M	4017															
136		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	534	M	M	4017															
137		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	535	M	M	4017															
138		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	536	M	M	4017															
139		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	537	M	M	4017															
140		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	538	M	M	4017															
141		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	539	M	M	4017															
142		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	540	M	M	4017															
143		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	541	M	M	4017															
144		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	542	M	M	4017															
145		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	543	M	M	4017															
146		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	544	M	M	4017															
147		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	545	M	M	4017															
148		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	546	M	M	4017															
149		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	547	M	M	4017															
150		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	548	M	M	4017															
151		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	549	M	M	4017															
152		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	550	M	M	4017															
153		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	551	M	M	4017															
154		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	552	M	M	4017															
155		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	553	M	M	4017															
156		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	554	M	M	4017															
157		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	555	M	M	4017															
158		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	556	M	M	4017															
159		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	557	M	M	4017															
160		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	558	M	M	4017															
161		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	559	M	M	4017															
162		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	560	M	M	4017															
163		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	561	M	M	4017															
164		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	562	M	M	4017															
165		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	563	M	M	4017															
166		10		Utilities	Discovery of water main during BT duct - Change 261 RHS	13-Nov-08	564	M	M	4017															







GENERAL INFORMATION										FINANCIAL INFORMATION														
Reference	Location / Description				Notification		Type of Change		Principle of Change Status with Ref		Value of Estimate Subelements / Change Order (GBP)													
HTC	ECO	Station	Activity Identifier	Ref Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	Idc	By Date	SUS	BBBK	Summes	CAF	Subtotal	OH & P	Completion Problems	Other Problems	Total	
221		1B	Widening	Discovery of MUDPA in excavation containing water main and communications buried at 100m depth. Change LOD B10.	15-Nov-08	375																		
222	EE	1B	Stakes	Discovery of stakes and a pipeline during the new bank. Change LOD B10.	13-Nov-08	970	M	I	15.1B						19.08.09	627	627			627	63	46	110	846
223		1B	Utility	Discovery of stone column - Change LOD B10.	17-Nov-08	971	M	I	4017						19.08.09	951				951	97	61	152	1,100
224		1B	Widening	Discovery of stone column - Change LOD B10.	17-Nov-08	972																		
225	EE	1B	Highways	Repair required to Asphalt to allow pavement access - Change LOD B10.	17-Nov-08	973	M	I	4017						26.4	264	264			264	60	30	40	329
226		1	Highways	Construction Change Phase 2 (Utility) - changes arising	25-Nov-08	1105									19.08.09	25,415				25,415	1,641	1,262		3,003
227		2A	Design	Operational Design Review of Haymarket - changes arising	26-Nov-08	1106									19.08.09	300				300	38	130		1,929
228		1C	S&A, Contract	Relocation of bus stop (with LOD at Princes Mall)	01-Dec-08	1034	M	I	4130															
230	165	1A	S17 Tender Phase Budget	EC Drawing Changes - Tower Bridge Station	13-Dec-08	1132	M	I	6227											(209,646)	600	(19,462)	(96,656)	(209,676)
231		1C	Design	EC Drawing Changes - Section 1C Range	12-Dec-08	1143	M	I																
232A		1C	Highways	Changes to Basin Design Section 1C (see Priority 8, York St & Princes Street)	12-Dec-08	1144	M	I																
232B		1C	Earthworks	Changes to Basin & Address Design Section 1C (see Priority 8, York St & Princes Street)	12-Dec-08	1144	M	I																
232C		1C	Highways	Section 1C - Princes St Highway including as enclosed during SSA work	12-Dec-08	1144	M	I																
233		1C	Street Lighting	EC Drawing Changes - Section 1C Lighting layout	12-Dec-08	1146	M	I																
234	191	1B	Utility	Leith Walk (Section 1B) Groundworks - Move TRAS ducts	17-Nov-08	943	M	I	2211															
235		1B	Utility	Leith Walk (Section 1B) Groundworks - Move BT ducts (including services to new building) - Ch 245 - 265	17-Nov-08	944	M	I	411															
236		7A	Design	Options for drainage voids consent at the Argyle	04-Dec-08	942	M	I																
237		2A	Accommodation Works	More site boundary fencing at the proposed Car Park to include transfer of light applications @ and 10/11/08	13-Nov-08	1183	M	I	4017															
238		1B	Traffic Management	Temporary Traffic Lights with Motorist Street request to install MUDPA with a new year to winter the crossing	12-Dec-08	966	M	I	2086															
239	29	1B	Site Investigation	Additional Test Holes at CH145 - CH160 (Section 1B)	20-Nov-08	375	M	I	4017															
240		1B	Design	Removal and reinstatement of BT Poles, See MUDPA, see comments at Section 1B (D10's) and (D10's) where proposed in the site year to winter the crossing	05-Jan-09	800	M	I																
241		11	Design	TR0 Presentations by 200 to the public during September 2008 yet changed to drawings arising from the consultation process	20-Nov-08	805	D	I	2737															
242		SW	Design	Final Final Specifications - start of the final submittals	24-Nov-08	1020	M	I	6930															
243	55	1A	Substations	Building Final Design Agreements - submission required to support Contract Procurement (Section 2B of Princes Street)	26-Nov-08	1027	M	I	745															
244		SW DN	Design	Final Final Specifications - start of the final submittals	26-Nov-08	1027	M	I	745															
245		5A	Widening	Final Final Specifications - start of the final submittals	03-Dec-08	1160																		
246		SW	Earthworks	Final Final Specifications - start of the final submittals	03-Dec-08	1121	M	I																
247		SW	Earthworks	Final Final Specifications - start of the final submittals	03-Dec-08	1122	M	I																
248		SW	Earthworks	Final Final Specifications - start of the final submittals	03-Dec-08	1123	M	I																
249		SW	Earthworks	Final Final Specifications - start of the final submittals	03-Dec-08	1124	M	I																
250		1B	Earthworks	Leith Walk - Changes 100/350 - additional work carried out during 'winter' period	20-Apr-09	2028	M	I	6026															
251		1C	DLE	EC Drawing Changes - Section 1C DLE Layout	12-Dec-08	1148	M	I																
252		1C	Highways	EC Drawing Changes - Section 1C Track Horizontal Alignment	12-Dec-08	1150	M	I																



GENERAL INFORMATION										FINANCIAL INFORMATION															
References		Location / Description				Notification		Type of Change		Principle of Change Status with IR			Value of Estimate Subtotals (Change Order (RSDP))												
IRIC	ICO	Section	Activity Identifier	Item Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	IR	By Date	SOS	BBBK	Stimulus	CAF	Subtotal	OH & P	Construction Problems	Other Problems	Total		
253		1C	Highways	EC Drawing Changes - Section 1C Track Vehicle Alignment	12-Dec-08	1151	M	I				BSC		18-Dec-08											
254		1I	Work area	EC Drawing Changes - Section 1C Traffic Management	12-Dec-08	1153	M	I				BSC		18-Dec-08											
255		1C	Highways	Revised by others of materials from external reserves on Pioneer Street	12-Dec-08	1141	M	I				BSC													
256		1B	Work area	Additional Traffic Signs at Lady Wals' Crossings (16 to 18) - Working Party Group. Only 7 cars access to ADM - 39-Dec-08	05-Dec-08	1158	M	I																	
257	29	1A	Design	Accommodation Works	09-Dec-08	7460	M	I	1349					20-Dec-08	1,384				1,384	138	102			1,625	
258	27	7A	Accommodation Works	Future Planning on behalf of New England Localist and Highways Property Dept (Edinburgh)	09-Dec-08	7471	M	I	6096					13-Dec-08	46,922	934,155	30,201		1,009,297	4,002	72,156	183,477		1,248,022	
259		8B	Design	Cityway at Edinburgh Park Station repositioned within the LOO	12-Dec-08	615	M	I	2631																
260	24	8B	Design	Recreate existing Control Box - Section 1B	12-Dec-08	1158	M	I	4017																
261		1B	Tramways	EC Drawing Changes - Section 1B - Balgair Street Tram Stop	12-Dec-08	1156	M	I	889			BSC		05-Dec-08					894	129	144	104		1,277	
262	20	8B	Design	EC Drawing Changes - Third Driveway	03-Mar-09	1167	M	I	1417					03-Mar-09					1,193,296	64	85,341	20,120		1,400,422	
262b	20	8B	Design	EC to EC Drawing Changes - Track Driveway	20-May-10	9578	M	I					IR						292,347	202,349	18,654	44,16		315,466	
263		1A	Site/ Victoria Clock Bridge	EC Drawing Changes - Section 1A - Victoria Clock Bridge	16-Dec-08	2581	M	I											11,423		13,961	7,246		26,630	
264		30W SW	Earthworks	EC Drawing Changes - Edinburgh General Arrangement	07-May-09	2581	M	I																	
264a		1A	Highways	EC Drawing Changes - Third Driveway	03-Mar-09	1167	M	I	5003			BSC		14-Dec-08					1,579,977	60	116,844	276,321		1,973,142	
264b		1A	Highways	EC drawing and specifications for work in Glasgow (10000 to 10000) - Section 1A	08-Mar-10	4984	M	I																	
264c		1A	Highways	EC drawing and specifications for work in Glasgow (10000 to 10000) - Section 1A	16-Apr-10	5431	M	I				BSC		30-Oct-10					1,259,530	60	93,206	200,418		1,573,154	
264d		1A	Highways	EC drawing and specifications for work in Glasgow (10000 to 10000) - Section 1A	12-Dec-10	7029	M	I				BSC		27-Feb-11					11,614		2,715	14,381		14,381	
265		2A	Accommodation Works	Section 2A Across Parkside Wall - Andy House	18-Dec-08	1742	M	I	3126											69,616	60	4,293	10,163		74,072
266	25	6	Design/ External	Integrate Monthly Track Meetings of Network End Infrastructure on East Coast North Line in vicinity of Gogar Depot	16-Dec-08	1525	M	I	4017																
267		9C	Tramways	Carry out Scottish Water Diversion at Gogar Roundabout	19-Dec-08	1490	M	I	4890																
267a		9C	Tramways	Services to Scottish Water Diversion at Gogar Roundabout	14-Oct-09	2044	M	I																	
268		9C	Tramways	Carry out Scottish Water Diversion at Gogar Roundabout	19-Dec-08	1497	M	I	3203																
269	20	9W	Tramway	Instructions arising from Trackline Development Workshop	18-Dec-08	1548	M	I	756																
270		9C	Design	ECB Tramway - Provide an Estimate for delivery of LV Power to MW for supplies crossing the tram track	17-Dec-08	1644	M	I	2895																
271	19	9W	Site Investigation	Road Construction Details - Construction Methodology (Establishing Ground Conditions - Report depth of investigation)	18-Dec-08	1547	M	I	511																
272	11	6B	Earthworks	Carry out monthly track meetings of Network End Infrastructure on East Coast North Line in vicinity of Gogar Depot	18-Dec-08	1545	M	I	4017																
273	26	7A	Highways	Carry out monthly track meetings of Network End Infrastructure on East Coast North Line in vicinity of Gogar Depot	13-Jun-09	1586	M	I	1917																
274	21	9W SW	Tramway	Carry out monthly track meetings of Network End Infrastructure on East Coast North Line in vicinity of Gogar Depot	12-Jun-09	1573	M	I	1511																
275		7A	Tramways	ECB Tramway - B&B services	08-Jan-09	1339	M	I	1344																
276		9W	Tramway	ECB Tramway - B&B services	19-Jun-09	402229	M	I																	
277	36	7A	Design	Airport Tramway Concept to be updated.	20-Jun-09	1618	M	I	819																
278		9W	Design	Water Area Mooring Proposals	27-Jan-09	1407	M	I																	
279	84	3	Tramways	Water Area Mooring Proposals	20-Jun-09	1400	M	I	1077																
280		20	Tramways	Water Area Mooring Proposals	20-Jun-09	1401	M	I																	
281	172	1C	Substation	Revised proposals for Cathcart Line Substation	22-Jun-09	1028	M	I	8448																



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References		Location / Description				Notification		Type of Change		Principle of Change Status with IR			Value of Estimate Subtotals (Change Order (BEP))													
HTC	HC	ICO	Section	Activity Identifier	Item Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	IR	Comments	SUS	BBBK	Summ	CAF	Subtotal	OH & P	Contingent Provisions	Other Provisions	Total		
292		128	2A	Construction	Review for completion to final with approvals finished at final of final approval (Design - Structures) W&ME	28-Jan-09	1416	M	I	3189						19,801					19,801	1,802	1,802	3,152	24,205	
293		309	5B	S27 Edinburgh Park Bridge	Edinburgh Park Bridge (S27) - New 3 Buses Permitted	29-Jan-09	1428	M	I	1						6,000					7,014	701	881	1,396	10,178	
294		304	5A	Construction	Edinburgh Park Bridge (S27) - New 3 Buses Permitted	29-Jan-09	1448	M	I							14,000										
297		1A	1A	Depth	Edinburgh Park Bridge (S27) - New 3 Buses Permitted	08-Feb-09	1807	M	I	1914						7,778									8,131	
298		19	5W	Structure	Edinburgh Road Data Vehicle project	08-Feb-09	1511	I	I	511						13,000									13,000	
299		174	1A	Highways	Edinburgh Road Data Vehicle project	08-Feb-09	1517	D	I	2336						4,258									4,258	
300		175	1A	Highways	Edinburgh Road Data Vehicle project	08-Feb-09	1518	D	I	2336						4,258									4,258	
301		175	1A	Highways	Edinburgh Road Data Vehicle project	08-Feb-09	1518	D	I	2336						4,258									4,258	
302		37	7A	Six Chalmers	Additional Entry Signs at Leith Quay Retaining Wall	08-Feb-09	1518	M	I	4173						380									380	
303		38	7A	Highways	Signage access ramp at Gogar Depot	08-Feb-09	1521	M	I	4017						7,646										7,646
304		30	3A	Utilities	Carry out works to protect existing SDN gas main at Colvett 2	08-Feb-09	1552	M	I	4017						11,105										11,105
305		29	7A	S29 Dalrymple Underbridge	Formation Level at Dalrymple Underbridge	11-Feb-09	1555	M	I	4017						10,761										10,761
306		40	7A	S29 Dalrymple Underbridge	Formation Level at Dalrymple Underbridge	11-Feb-09	1555	M	I	4017						6,778										6,778
307		7A	7A	Highways	Review of Edinburgh Road Data Vehicle project	09-Jun-10																				
308		5B	5B	Walkway	FC Drawing: Structure - Edinburgh Park Bridge (S27) - New 3 Buses Permitted	08-Feb-09	1654	M	I																	
309		5A	5A	Walkway	Review of Edinburgh Road Data Vehicle project	08-Feb-09	1654	M	I																	
310		10	10	Traffic Management	Review of Edinburgh Road Data Vehicle project	26-Jan-09	1803	M	I	2006						100,642										100,642
311		2A	2A	S29 Dalrymple Underbridge	Review of Edinburgh Road Data Vehicle project	11-Feb-09	1552	M	I																	
312		37	5W	CAF	Review of Edinburgh Road Data Vehicle project	06-Feb-09	1658	I	I																	
313		48	5W	Highways	Review of Edinburgh Road Data Vehicle project	13-Feb-09	1590	M	I	3400						21,335										21,335
314		1C	1C	Underground Distribution	Review of Edinburgh Road Data Vehicle project	15-Feb-09	1597	M	I	91						30,326										30,326
315		1B	1B	Depth	Review of Edinburgh Road Data Vehicle project	16-Feb-09	1602	M	I	866						4,337										4,337
316		76A	2A	Construction	Review of Edinburgh Road Data Vehicle project	16-Feb-09	1607	M	I	2327						42,761										42,761
317		5E	5E	Walkway	Review of Edinburgh Road Data Vehicle project	22-Feb-09	1608	M	I																	
318		173	5E	S27 Edinburgh Park Bridge	Edinburgh Park Bridge (S27) - South Approach Bridge Formation	23-Feb-09	1606	M	I	2016						7,600										7,600
319		3B	7A	Utilities	Review of Edinburgh Road Data Vehicle project	12-Feb-09	1724	I	I	724						19,294										19,294
320		1A	1A	Drainage	Review of Edinburgh Road Data Vehicle project	23-Feb-09	1607	M	I																	
321		1B	1B	Highways	Review of Edinburgh Road Data Vehicle project	25-Feb-09	1737	M	I																	
322		7A	7A	Six Chalmers	Review of Edinburgh Road Data Vehicle project	16-Apr-09	2300	M	I	2166						407,744										407,744
323		20	7A	Drainage	Review of Edinburgh Road Data Vehicle project	16-Apr-09	2310	M	I							256,686										256,686
324		20	7A	Drainage	Review of Edinburgh Road Data Vehicle project	24-Feb-09	1720	M	I	6591						81,476										81,476
325		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
326		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
327		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
328		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
329		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
330		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
331		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
332		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
333		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
334		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
335		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
336		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
337		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
338		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
339		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
340		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
341		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
342		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
343		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
344		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
345		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
346		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
347		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
348		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
349		10	10	Highways	Review of Edinburgh Road Data Vehicle project	20-Feb-09	1688	M	I							1,172,961										1,172,961
350		6	6	Depth	Review of Edinburgh Road Data Vehicle project	19-Feb-09	1677	D	I	2448						6,783										6,783
351		6	6	Depth	Review of Edinburgh Road Data Vehicle project	20-Oct-09	3387	M	I							24,872										24,872
352		6	6	Depth	Review of Edinburgh Road Data Vehicle project	20-Oct-09	3387	M	I							1,200										1,200
353		6	6	Depth	Review of Edinburgh Road Data Vehicle project	20-Oct-09	3387	M	I							1,200										1,200
354		6	6	Depth	Review of Edinburgh Road Data Vehicle project	20-Oct-09	3387	M	I							1,200										1,200
355		6	6	Depth	Review of Edinburgh Road Data Vehicle project	20-Oct-09	3387	M</																		



GENERAL INFORMATION										FINANCIAL INFORMATION														
Reference	Location / Description				Notification		Type of Change		Principle of Change States with IR				Value of Estimate Subtotals (Change Order (BSP))											
HTC	ICO	Section	Activity Identifier	Item Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	IR	By Date	SOS	BBBK	Summed	CAF	Subtotal	OH & P	Contingent Provisions	Other Provisions	Total	
321	199	1C	Deepis	Revised approved to Parallel Poles, Trestle Poles and Lanes Road Junctions	29 Feb-09	1929	M	I	947						254,001					254,001	25,000	10,000		269,001
322		8B	623 Constitution Bridge	Check Vices Underpinning Obstructions	29 Feb-09	1929	M	I		I					3,000	2,000				3,000	200	100		3,200
323		5C	S28 A8 Underpass	A8 Underpass Repair / Trip Test Levels	29 Feb-09	1929	M	I				BSC			27,477	27,477				27,477	660	2,033		34,110
324		5C	S28 A8 Underpass	A8 Underpass Drain / Plug Connections	29 Feb-09	1929	M	I	4017						3,420	3,420				3,420	362	251		3,996
325		5W	Whitburn	Adjusted Drainage	24 Feb-09	1710	C																	
326		1B	Ulstera	Expose existing gully connections at Change 272-326 RHS	24 Feb-09	1710	M	I		I					2,746	2,746				2,746	275	203		3,224
327		1B	Ulstera	Open up and connect lanes at Change 112 RHS	24 Feb-09	1714	M	I	4017						626	626				626	83	30		739
328		1B	Ulstera	Reconnect existing drainage following ML02A works	24 Feb-09	1716	M	I	4017						1,028	1,028				1,028	103	76		1,207
329		1B	Ulstera	Bank cut behind concrete backfill	24 Feb-09	1717	M	I					BSC		5,431	5,431				5,431	643	463		6,537
330		1B	Ulstera	Install additional gully Change 250 RHS	24 Feb-09	1718	M	I	4017						1,738	1,738				1,738	660	120		2,518
331		6	Whitburn	Check/replace 40mm S1	17 Mar-09	1973	D	I																
332		1A	Whitburn	Check to note if drainage covers / repairs to A8 and S28 gully capacity of and primary gully (change note) of road drain	02 Jun-09	1981	M	I																
333		1A	Whitburn	Check to note if drainage covers / repairs to A8 and S28 gully capacity of and primary gully (change note) of road drain	02 Jun-09	1981	M	I																
334		7A	Highways	Access at New England	26 Feb-09	1747	D	I	2001						4,483	4,483				4,483	296	333		5,112
335		5C	Dun-100	FC Draining Change - Trestle Drainage	27 Jul-09	1758	M	I	5051						269,228	269,228				269,228	660	15,360		285,248
336		5W	Preliminary	Extension to Site Office for ML02A (external)	02 Jun-09	1773	I	I	1973						150,000	150,000				150,000	660	660		151,320
337		8B	Site Investigation	Review as emergency at Lath Walk	03 Mar-09	1773	M	I	2006						11,450	11,450				11,450	1,145	968		13,563
338		8B	Site Clearance	Remove ground from Lath Walk	03 Feb-09	1774	M	I	1952						412	412				412	41	50		463
339		1B	Edinburgh Park Bridge	Remove ground from Lath Walk	03 Feb-09	1775	M	I	1952						1,200,000	1,200,000				1,200,000	660	15,360		1,215,960
340		8B	Edinburgh Park Bridge	Remove ground from Lath Walk	03 Feb-09	1776	M	I	4017						452	452				452	45	33		530
341		1C	Reinforcement	Protect Street - Reinforced Concrete Area Above Track Box	02 Mar-09	1771	M	I																
342		216	SW EPP	Transfer of private utility easements from ML02A at Edinburgh Park	27 Feb-09	1798	I	I	790						2,101	2,101				2,101	676	126		2,903
343		6	Design	Street Lighting - Major of Poles	16 Mar-09	1942	D	I	1048						17,746	17,746				17,746	676	126		18,548
344		6	Works	Construction of new street lighting poles and associated works	17 Mar-09	1942	D	I																
345		6	Works	Construction of new street lighting poles and associated works	17 Mar-09	1942	D	I																
346		6	Works	Construction of new street lighting poles and associated works	17 Mar-09	1942	D	I																
347		6B	527 Edinburgh Park Bridge	Edinburgh Park Bridge Structural FR	11 Mar-09	1884	M	I							65,280	65,280				65,280	6,311	14,260		85,851
348		1D	Whitburn	Traffic Management - Temporary Closure of Lath Walk Junction	11 Mar-09	1886	D	I																
349		1D	Traffic Management	Additional Signs on Queen Street	11 Mar-09	1886	D	I							187	187				187	20	16		223
350		SW ON	Traffic Management	Traffic Management - Temporary Closure of Lath Walk Junction	11 Mar-09	1887	D	I	1558						300	300				300	30	22		352
351		7A	Accommodation Works	Proposed Signage Installation	11 Mar-09	1875	D	I	1552						6,833	6,833				6,833	660	509		8,002
352		SW ON	Whitburn	Transfer of Gully / Manhole / Box / Cover	10 Mar-09	1880	D	I							1,641	1,641				1,641	164	131		1,936
353		SW ON	Traffic Management	Additional Measures at George Street	11 Mar-09	1889	D	I							3,870	3,870				3,870	387	284		4,541
354		SW ON	Traffic Management	Private Closures and double yellow line on George Street	11 Mar-09	1870	D	I							2,270	2,270				2,270	168	167		2,605
355		SW ON	Traffic Management	Additional Signage at George Street / Andrew Street	11 Mar-09	1871	D	I							2,190	2,190				2,190	219	162		2,571
356		SW ON	Traffic Management	Signage M25 Junction at George Street, Newport Street and Fife Street	11 Mar-09	1872	D	I							1,728	1,728				1,728	173	129		2,030
357		SW ON	Traffic Management	Temporary Closure of Lath Walk Junction	11 Mar-09	1876	M	I	1212						17,470	17,470				17,470	17,470	12,986	30,407	235,080
358		1C	Whitburn	Construction of new street lighting poles and associated works	17 Mar-09	1942	M	I																
359		202	Underground Drainage	Install new drainage at Lath Walk Junction	17 Mar-09	1956	M	I	6972						68,819	68,819				68,819	6,882	5,203		80,904
360		54A	Highways	Alteration of Drainage at Lath Walk Junction	16 Apr-09	1920	I	I	1629						10,164	10,164				10,164	1,016	762		11,942
361		5A	Ulstera	Remove Poles (Only) from Lath Walk Junction	24 Mar-09	1957	M	I	1557						5,957	5,957				5,957	616	516		7,089
362		105	Edinburgh Park Bridge	Edinburgh Park Bridge - North and South Approach Ramps	14 Apr-09	2164	M	I	2008						148,118	148,118				148,118	660	10,361		169,139
363		SW ON	Traffic Management	Traffic Management - Private Vehicle Area Signage at Fife Street	22 Mar-09	2118	D	I							8,620	8,620				8,620	862	663		9,945
364		2A	Dun-100	Signage at Lath Walk Junction	31 Mar-09	2142	M	I	4017						1,395	1,395				1,395	139	103		1,637
365		2A	Whitburn	Construction of new street lighting poles and associated works	02 Jun-09	2214	M	I																
366		7A	525 Gopstone Underbridge	Capstone Bridge East Abutment - access ground water	01 May-09	2466	M	I							2,864	2,864				2,864	286	213		3,363



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HTC	IRC	ICO	Section	Activity Identifier	Item Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	IR	Comments	SUS	BBBK	Summes	CAF	Subtotal	OH & P	Contingium	Other Profits	Total	
302	53	1344	2A	319 Highway Widening	Proposed Station - Network Road Access Driveway	22-Apr-09	2350	I	I	4351							2,087			2,087	208	154	365	2,615	
303A	42		5A	Excavation	Excavate all structures on foot for 157 and 162 near Workman Street	27-Mar-09	11088	I	I	1088							6,209			6,209	833	461	1,107	8,537	
308		126	6C	Utilities	Temporary works solution to maintain Trams and 2 x SW services at 600m underground at 250 Discharge	14-Apr-09	2567	M	I	3047							16,273			16,273	not	1,204	2,148	20,326	
310		113	6B	527 Edinburgh Park Bridge	Existing Ground levels at Edinburgh Park Bridge	14-Apr-09	2388	M	I	2010							48,621			48,621	not	3,866	8,666	61,483	
311	43	75	6C	Utilities	Review of MURFAIRY Overhead - Section 5C - Conflict (See also 52670005 - BT)	20-Apr-09	11708	I	I	1680							1,287			1,287	not	101	208	1,496	
312	41		5A	Workman	Review of MURFAIRY Overhead - Section 5A-C Conflict	20-Apr-09	11707	I	I								3,981			3,981	not	201	801	1,402	
313	45, 77	74	7A	Utilities	Review of MURFAIRY Overhead - Section 6C - Conflict (See also 52670005 - Virgin Media)	20-Apr-09	11708	I	I	1661							3,981			3,981	not	201	801	1,402	
314			7A	Workman	Review of MURFAIRY Overhead - Section 7A-C Conflict (See also 52670005 - BT)	20-Apr-09	11709	I	I								3,981			3,981	not	201	801	1,402	
314A			7A	Earthworks	Signet Landfill Area - Sitegrading and installing of surfacing	26-Feb-10	4918	M	I								36,419			36,419	2,349	26,286	65,843	490,202	
314C			7A	Earthworks	Signet Landfill Area - Soil Nailing and Revetment Earth	26-Feb-10	4938	M	I								403,850			403,850	19,613	29,886	70,276	521,024	
314L			7A	Trackwork	Signet Landfill Area - Trackwork Change	10-Mar-10	495002	M	I								35,736		(81,200)	46,272		(13,501)	(9,229)	35,842	
316			SW (OH)	OLE	Revised OLE foundations and layout at Station	20-Apr-08	2406	D	I			I					60,628			60,628	8,206	4,028		73,462	
317A			SW (OH)	OLE	CONCRETE OLE Invert Station A1, B, C, D	14-Dec-10	7697	D	I			I					497,972			497,972	56,262	95,245		650,260	
318			SW	Drain	Revisions of OLE pipe foundations due to increased loading - 100kN	28-Apr-09	2437	D	I			I					115,536			115,536	11,553	8,449		135,537	
317			SW	Drain	Amend OLE system design documents	29-Apr-09	2438	D	I	1677							6,611			6,611	161	42		7,644	
318			SW	Drain	Amend site with OLE Building being built and layout at savings	28-Apr-09	2441	D	I	1677							5,880			5,880	598	458		6,933	
319			SW	Drain	Combined OLE/Paving/lighting poles	28-Apr-09	2442	D	I	1677							46,892			46,892	4,888	3,469		55,239	
320			5C	Drain	Amend OLE design at Dugart Access Bridge	26-Apr-09	2439	D	I	1654							678			678	68	50	119	916	
321			SW (OH)	Traffic Management	Station LT1D - Additional Traffic Management at Platform	24-Apr-09	2382	D	I			I					2,190			2,190	219	162	383	2,954	
322			1D	Traffic Management	Station 1D - Bus Gate at Shoredale Phase	24-Apr-09	2383	D	I			I					2,619			2,619	252	186	441	3,296	
324			SW (OH)	Traffic Management	Station LT1D - Station Stairs at Green Street and Platform Street	24-Apr-09	2385	D	I			I					46			46	4	3	8	61	
325			SW (OH)	Traffic Management	Station LT1D - Additional TASS structure on Great Street	24-Apr-09	2386	D	I	1654							976			976	68	50	119	916	
326			1C	Traffic Management	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2387	D	I	1652															
327			1C	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2388	D	I			I													
328			1C	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2389	D	I			I													
329			1C	Traffic Management	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2390	D	I			I													
330			1C	Earthworks	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2391	D	I			I													
331			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2392	D	I			I													
332			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2393	D	I			I													
333			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2394	D	I			I													
334			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2395	D	I			I													
335			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2396	D	I			I													
336			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2397	D	I			I													
337			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2398	D	I			I													
338			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2399	D	I			I													
339			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2400	D	I			I													
340			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2401	D	I			I													
341			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2402	D	I			I													
342			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2403	D	I			I													
343			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2404	D	I			I													
344			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2405	D	I			I													
345			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2406	D	I			I													
346			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2407	D	I			I													
347			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2408	D	I			I													
348			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2409	D	I			I													
349			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2410	D	I			I													
350			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2411	D	I			I													
351			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2412	D	I			I													
352			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2413	D	I			I													
353			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2414	D	I			I													
354			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2415	D	I			I													
355			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2416	D	I			I													
356			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2417	D	I			I													
357			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2418	D	I			I													
358			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2419	D	I			I													
359			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2420	D	I			I													
360			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2421	D	I			I													
361			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2422	D	I			I													
362			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2423	D	I			I													
363			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2424	D	I			I													
364			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2425	D	I			I													
365			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2426	D	I			I													
366			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2427	D	I			I													
367			SW (OH)	Workman	Station LT1D - Bus Gate at 2nd Avenue Station	24-Apr-09	2428	D	I			I													







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References		Location / Description				Notification		Type of Change		Principle of Change Status with Ref			Value of Estimate Submission / Change Order (GBP)													
WTC	IRC	ICO	Section	Activity Identifier	Item Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	Idc	By Date	SOS	BBBK	Stimulus	CAF	Subtotal	OH & P	Contingent Provisions	Other Provisions	Total		
442			5A	Drainage	Final Change	27-Jul-09	3144	M	I																	
443			5W	Electromech	Final Change	17-Jul-09	3081	M	I																	
444			5W	Electromech	Final Change	17-Jul-09	3082	M	I																	
445			5W	Electromech	Final Change	17-Jul-09	3083	M	I																	
446			2A	Vehicle	Final Change	20-Jul-09	3088	M	I																	
447			1C	OLE	Final Change	20-Jul-09	3084	M	I																	
448	155		1D	Street Lighting	Change to street lighting at Payment Terrace	20-Jul-09	3073	M	I	4970						380	1600			1,040	38	77		1,555		
449	80		5B	Traffic Management	Reinstatement of Bus Lane	20-Jul-09	3099	D	I	1835						895				599	69	44		803		
450	57		7A	Drainage	SAA New Burnside Road Alignment	20-Jul-09	3100	I	I	1944						6,089				6,089	607	375		6,960		
451			5W	Drainage	Stage 11 drawings for tram stops	01-Aug-09	3184	M	I												47,463	4,746	3,613		56,722	
452			6	Signal Electronics	Final Change	20-Jul-09	403564	M	I												3,386				3,386	
453			5B	Drainage	SB Change to Guard Drainage	27-Jul-09	1243	M	I																	
454	56		1D	Traffic Management	Alteration of traffic management at Colinton Road junction to accommodate A606 RT and Bus works	24-Jul-09	11843	I	I	1940											1,296	103			1,742	
455	57		5B	Vehicle	Proposals for Training Unit (Hospital at Edinburgh) (Bus Change)	22-Jul-09	3115	I	I																	
456	57		5W	Vehicle	Proposals for Training Unit (Hospital at Edinburgh) (Bus Change)	22-Jul-09	3116	M	I																	
457	57		5B	Vehicle	Proposals for Training Unit (Hospital at Edinburgh) (Bus Change)	22-Jul-09	3117	M	I																	
458			1A	Highways	Revised Junction Layouts - Section 1A	10-Aug-09	405802	M	I																	
459			5W	Drainage	TR0 Change - external consultation	07-Aug-09	3244	M	I																	
460			5W	Drainage	TR0 Change - external consultation	07-Aug-09	3245	M	I																	
461			1A	Drainage	Final Patch Solution - re-align	11-Aug-09	3261	M	I	4350											11,256	1,075	869		13,200	
462			5A	Vehicle	Proposals for Training Unit (Hospital at Edinburgh) (Bus Change)	11-Aug-09	3262	M	I																	
463			1A	Drainage	Final Patch Solution - re-align	11-Aug-09	3265	M	I	2488											11,771	1,177	871		13,819	
464			1A	Highways	Construction of Works (W14 and W15 - Street and Utility) (Highways)	11-Aug-09	3266	M	I																	
465			7A	Drainage	Re-aligning of Drainage at BMA/CRC entrance	19-Aug-09	3284	M	I	4014											3,218	302	286		3,779	
466			5W	Drainage	Change to TR0 - Drainage	17-Aug-09	3292	M	I																	
467			6	Drainage	SAA Drainage at Depot	19-Aug-09	3293	M	I	2188																
468			1D	Traffic Management	Proposals for Training Unit (Hospital at Edinburgh) (Bus Change)	21-Aug-09	3321	M	I																	
469	59		1A	Drainage	W14 Drainage associated with Leaky Road	19-Aug-09	10072	I	I	2072											2,918	160	216		3,134	
470			7A	Drainage	Accommodation Works - Drainage associated with Leaky Road	20-Aug-09	3322	I	I																	
471			5B	Ductwork	FC staining changes - Station SS - Ducting and Cable Routes	27-Oct-09	3602	M	I																	
472	91		5W	Drainage	Overhead trapezoidal embankment (OLE) Leaky	25-Aug-09	3349	M	I	3116											12,978	1,286	963		15,119	
473	50		1A	W1 Leaky Road Draining Wall	Construction of 2.1m high protection walls and new channel at Leaky Road	20-Aug-09	12050	I	I	928											25,226	1,274	4,402		31,855	
474			5B	Drainage	Additional drainage improvement - Section 6B	27-Aug-09	3364	M	I	3366											5,673	420	993		7,086	
475	105		5C	S30-AB Underpass	AB Underpass - ST works - Sewer 2 way and 4 way ducts	11-Sep-09	3428	M	I	3400											70,144	7,344	6,131		84,659	
476	65		5W	Drainage	Final Stage Development Workbooks - changes pending	26-Aug-09	12143	I	I	2143											116,462	11,648	8,520		137,134	
477			5W	Drainage	Bus Station Development Workbooks - changes pending	26-Sep-09	3608	I	I												89,313	8,931	6,609		104,853	
479			5W OH	Utility	Work on Chestnut CEC Road T&E Sign Off	31-Sep-09	3435	M	I																	
479	61		5A	S21E Water of Leith Bridge	Proposals for works at Water of Leith Bridge	31-Aug-09	12151	I	I	5194											44,261	4,426	3,276		52,979	
479H			5A	S21E Water of Leith Bridge	Sewer lining works at Water of Leith Bridge, Additional Manhole	15-Oct-10	7083	M	I																	
479K			5A	S21E Water of Leith Bridge	Sewer lining works at Water of Leith Bridge, Interlocks	16-Oct-10	7084	M	I																	
481			7A	Vehicle	Final Change	11-Dec-09	4200	M	I																	
481			1A	Vehicle	Final Change	11-Dec-09	4201	M	I																	



GENERAL INFORMATION										FINANCIAL INFORMATION															
References		Location / Description				Notification		Type of Change		Principle of Change Status with IR			Value of Estimate Submissions (Change Order (M€))												
WTC	IRC	ICO	Station	Activity Identifier	Need Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	IR	By Date	SUS	BBBK	Summes	CAF	Subtotal	OH & P	Contingium	Other Problems	Total	
432		6		WTC-1000	FC drawing for lighting fixtures	25-Sep-09	552	I																	
433	87	5W		Drugs	Changes to substations arising from development work	18-Sep-09	T259	I		2299			BSC		TBA	20,680					20,680	865	1,728	4,500	20,207
434	72	7A		500/0104 Engellon Cables	Subnet 1 - Expansion cable tensioning	08-Oct-09	3513	I																	
435		1B		Siemens	Widening Stone Archway track cover	21-Sep-09	46374	M																	
436		105	5W	Drugs	FC drawing for 2000	23-Sep-09	5565	M		2480						3,922					3,922	282	316	511	3,942
437	70	6		Direct External	South Tyneside South embankment reinforcement with water	18-Sep-09	T2271	I		2071			BSC												
438		5W		Drugs	Reinforcement works for drainage - changes arising	26-Sep-09	3613	M		5533			BSC		TBA	36,700					36,700	3,576	2,716	5,423	49,206
439		5B		OLE	Strong foundations underneath all parallel tracks	28-Sep-09	3630	M		6829			BSC		TBA	12,000					12,000	1,200	888	2,300	15,388
440		1B		Site Investigation	Tracing of crenelium at Leith Walk	25-Oct-09	3629	M		3381			BSC		21/05/10	40,176					40,176	4,216	2,273	7,231	54,199
441	83	7A		Widening	Reinforcement of Cable at Tyneside Road Bridge	22-Sep-09	7048	I																	
442		110	5A	Utility Trench Capping	FC drawing changes - Hypocaust Car Park	27-Oct-09	3688	M		5142						29,562					29,562	2,965	2,144	5,089	40,200
443		5A		Transients	Ballast Drain Design for Combedition Overings - Murrayfield Stadium Tram Stop	26-Oct-09	3688	M		5486			BSC		09/09/10	100,444					100,444	6,157	7,433	17,208	119,611
444		5A		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3692	M					BSC		06/09/10	80,842					80,842	760	5,168	12,222	97,232
445		5A		Durwick	FC drawing changes - Durong and Cable Routes	22-Nov-09	3693	M																	
446		5C		Durwick	FC drawing changes - Durong and Cable Routes	27-Feb-09	3693	M					BSC		06/09/10	254,399					254,399	800	18,870	44,825	318,433
447		1A		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
448		1B		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
449		1C		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
450		1D		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
451		1E		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
452		1F		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
453		1G		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
454		1H		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
455		1I		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
456		1J		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
457		1K		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
458		1L		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
459		1M		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
460		1N		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
461		1O		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
462		1P		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
463		1Q		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
464		1R		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
465		1S		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
466		1T		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
467		1U		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
468		1V		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
469		1W		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
470		1X		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
471		1Y		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
472		1Z		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
473		2A		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
474		2B		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
475		2C		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
476		2D		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
477		2E		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
478		2F		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
479		2G		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
480		2H		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
481		2I		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
482		2J		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
483		2K		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
484		2L		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
485		2M		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
486		2N		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
487		2O		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
488		2P		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
489		2Q		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
490		2R		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
491		2S		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
492		2T		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
493		2U		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
494		2V		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
495		2W		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
496		2X		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
497		2Y		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
498		2Z		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	
499		3A		Durwick	FC drawing changes - Durong and Cable Routes	27-Oct-09	3691	M																	



GENERAL INFORMATION										FINANCIAL INFORMATION														
References		Location / Descriptions				Notification		Type of Change		Principle of Change Status with Ref			Value of Estimate Subtotals/Value Change Order (M€)											
WTC	HC	ICO	Station	Activity Identifier	Brief Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	Idc	By Date	SUS	BBBK	Summes	CAF	Subtotal	OH & P	Construction Problems	Other Profits	Total
520		1C		Traffic Management	Traffic Management to accommodate the introduction of bus lanes through the street	20-Dec-20	4380	M	I								84,272			84,272	6,474	8,271	14,226	114,371
521		1B		Signage	Directional Signage	16-Feb-10	403001	M	I								37,217			37,217			6,518	43,735
522		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
523		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
524		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
525		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
526		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
527		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
528		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
529		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
530		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
531		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
532		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
533		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
534		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
535		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
536		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
537		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
540		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
541		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
542		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
543		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
544		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
545		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
546		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
547		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
548		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
549		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
550		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
551		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
552		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
553		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
554		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
555		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
556		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
557		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
558		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
559		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
560		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
561		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
562		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
563		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
564		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
565		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
566		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
567		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286
568		1C		Workman	Workman	16-Feb-10	4030	M	I								59,261			59,261	5,266	4,426	10,225	69,286











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References		Location / Description				Notification		Type of Change		Principle of Change Status with IR			Value of Estimate Submission (Change Order (GDR))										
WTC	IRC	Station	Activity Identifier	Method/Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	Idc	By Date	SUS	BBBK	Summes	CAF	Sub total	OH & P	Contingium	Other Provisions	Total
674		80	Tramway	Exchange from Station 1 to Stage 200 for IFC	08-Sep-10	6559	M	I							21,233				21,233	3,070	1,571	3,740	29,560
675		80	Tramway	New Drive Control	08-Sep-10	6560	M	I							40,863	659			40,863	3,031	3,031	7,432	53,624
676		7A	Drain	1AA for 100 Crossing 1 & 2	13-Oct-10	6564	M	I							3,296				3,296	218	244		3,757
677		7A	S20 Signation Underdrain	Extension of the Mechanical REBO addresses under Stage 2000 Bridge	08-Sep-10	6567	M	I							19,631				19,631	1,306	1,306	3,086	22,021
678		7A	Salmonik	Installation of Gully W/ at CH11395 - 711395	08-Sep-10	6562	M	I							32,688				32,688	25	1,863	3,832	28,886
679	113	7A	Drain	Tram Phase Bridge Drains	14-Sep-10	6560	I	I		6725					6,521				6,521		659	1,510	10,200
681		2A	Drain	Trackball and OLE base Existing Old Main Club 1000H100	18-Sep-10	6715	M	I															
682		7A	Drain	Impact of New Infrastructure in Road side in the signal lane	20-Sep-10	6767	M	I															
683		1A	Salmonik	Underlay Road Existing W/ 1A - General Condition	26-Sep-10	6586	M	I															
687		8C	Drain	Gully Safety Access - Carbox 206	04-Oct-10	6586	M	I															
688		1A	Drain	Lighting Change for Combined OLE/Signaling in Centre Drive	11-Oct-10	6343	M	I															
689		7A	Drain	Change of Drainage to include New Drainage (D11)	11-Oct-10	6341	M	I															
690	115	1A	S17 Tower Phase Bridge	Approach bridge bridge	11-Oct-10	6526	I	I							9,107				9,107		674	1,634	11,275
691		SW OFF	Drain	Elucidation of Access to Bridge at Link Project	12-Oct-10	6593	M	I															
692		1A	Drain	Unable to connect to signpost	12-Oct-10	6595	M	I															
693		8C	Drain	1482000 M. S20000. Utilities Protection Measures	14-Oct-10	7043	M	I															
694		8A	Drain	Utilities Protection Measures (Cable Main)	16-Oct-10	7066	M	I															
696		8A	Accession Work	Signal Old Post Boxes and Signpost	15-Oct-10	7026	M	I															
698		2A	Drain	CH 2001271 Utilities Drain	16-Oct-10	7093	M	I															
697		2A	Salmonik	CH 200425 Unconform Ground Conditions Below Ground	16-Oct-10	7054	M	I															
698		SW OH	Soft Landscaping	FC Draining Channel - SW Landscaping	18-Dec-10	7671	M	I															
699		2A	Soft Landscaping	FC Draining Channel - SW Landscaping	02-Jan-10	7226	M	I															
700		6	Soft Landscaping	FC Draining Channel - SW Landscaping	10-Dec-10	7667	M	I															
701		SW	Drain	Additional electricity around front junction (Drain)	25-Oct-10	656201	M	I															
702	116	SW	Drain	Regulation of water in OLE Specification	27-Oct-10	7212	I	I							3,106				3,106		166	211	3,471
703		1A	Drain	Permitting Permission Access to main line area	12-Nov-10	7441	M	I															
704		2A	Drainage	Excavation of rock in section 2A and 6A	12-Nov-10	7444	M	I															
705		2A	Drain	Wholesale (over 11 Columns 17, 20, 21, 22) - 14 columns 1000	12-Nov-10	7416	M	I															
706	117	1A	S17 Tower Phase Bridge	Open to access (over 19) (10/15/10/10/11)	17-Nov-10	7675	I	I															
709	112	1A	S17 Tower Phase Bridge	Tram Phase Bridge Supplement of Price (10/11/10) (10/11)	20-Dec-10	7726	I	I															
708	113	1A	S17 Tower Phase Bridge	Tram Phase Bridge Oversee TFC (10)	17-Nov-10	7675	I	I															
708	223	2A	Drain	Existing Gully in Length Hydrant Tank	19-Nov-10	7436	M	I															
709		1A	Drain	Close up to be incorporated as per the design in the COBR (10/10/10)	08-Dec-10	7599	M	I															
717		1C	Drain	Spillout from controllable Cistern and installation of LV (10/10)	08-Dec-10	65415	M	I															
718		1A	S17 Tower Phase Bridge	Adjustment in Span Cost Cost Built	16-Dec-10	7710	M	I															
719		1C	Site Channel	Site Channel BOD - IFC	14-Dec-10	7686	M	I															
720		6B	Retention Wall W/S	Revised 6B Structure Drainage (W/S) as per 11/10/10	10-Dec-10	7680	M	I															
722	124	6A	Drain	TV Drain (10/10/10)	21-Dec-10	7741	M	I															
723	124	6A	Drain	Incorporate Many Year Accumulation W/S as per 11/10/10	12-Jan-11	7619	I	I															
724		1C	Tram	Quantity of Tram at Station Street	02-Feb-11	65469	I	I															
725	127	1A	Drain	RVA Formwork at W/S ACM W/ Drain, Drive Link 6/10	02-Feb-11	6500	I	I															



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NYC	ARC	ICO	Section	Activity Identifier	Ref Description of Change	Date	Letter Ref	Type	Change Type	Agreed	Not Agreed	No Decision	BSC	Idc	By Date	SUS	BBBK	Summs	CAF	Subtotal	OH & P	Contingency Provisions	Other Provisions	Total	
			10	Traffic Management	ICV7 using construction Shared User Board	10 Feb 11	8016	M	I																
			6	Operational	Work Start (temporal) from end Work (short) (weekly)	04 Feb 11	T222	I	I																
			3A	Traffic Management	We have reviewed BSC to ensure existing TA arrangements are maintained in relation to work for the proposed BSC (see BSC 218603)	30 Mar 11	8122	I	I							2,696	2,696				3,086	286	214	507	4,093
			7	Asphalt Issue	COA issued Asphalt Issue	23 Feb 11	85820	I	I																
			5A	Design	OLE Special Foundation Material Technical Review Work	10 Mar 11	8140	M	I																
			5B	Design	Change Trackwork (non-cont) at high level in BDO	10 Mar 11	8145	M	I																
			5B	Design	OLE Foundation / Utility (at M521-523) Issues (M702210)	11 Mar 11	8153																		
670	107	219-DC6		21 Blinks						36/Agreed	128 Not Agreed	197 No Decision	281	100		3,879,459	92,746,622	35,126,463	4,322,000	128,562,742	1,157,635	4,349,400	1,104,307	144,652,856	

- Notes**
- 0 - Notified Disposition (Amend) to Change
  - M - Notified Disposition (Withdraw) to Change
  - I - Issued
  - 1 - No Change
  - 2 - Approved Change (Accepted)
  - 3 - Approved Change (Revised)
  - 4 - Accommodation Work Change
  - 5 - Qualifying Change in Law
  - 6 - Change in Contract Documents
  - 7 - Labour & Material Fluctuations
- Reason**
- 1 - Schedule of Rates
  - 2 - Derived Bases
  - 3 - Fair Rates and Prices
  - 4 - Contingency
  - 5 - Other
  - 6 - Other - Estimate requires to new work to commence
- Allocation of Cost**
- MEP - Electrical Professional (Sub)
  - ME - Mechanical Professional (Sub)
  - VE - Value Engineering
  - PVE - Further Value Engineering
  - PA - Hours of the BSC
- Drawn On: [redacted] Admin: [redacted]  
Checked: [redacted]



## **10.8 Organisation Charts**



<b>RSC CONSORTIUM BOARD</b>
BILFINGER BERGER BERGER RICHARD WALTER, DAMIAN LANGE SIEMENS PLC
JOSEF FREITZ, MICHAEL KUMMER, OWEN MARIO EVANS CONTRACTOR, INFRASTRUCTURE DIVISION OF FERROVIAL S.A. INFRASTRUCTURE, ALEJANDRO URIBEA

**CONSORTIUM PROJECT DIRECTOR**  
**MARTIN FORSBERG**

**CONSORTIUM DEPUTY PROJECT DIRECTOR AND MANAGER**  
**MARTIN FORSBERG**

**SYSTEM WORKS**

**POTENTIAL PROJECT DIRECTOR**  
**ALFRED BRÄNNINGBOM**

**TEAM DELIVERY**

**TEAM PROJECT DIRECTOR**  
**ALEJANDRO URIBEA**

**INFRASTRUCTURE PROJECT**  
**HEAD OFFICE SUPPORT**  
**TRAINING RESOURCES**  
**TRAINING**  
**LEGAL**

**CIVIL WORKS**

**CIVIL PROJECT DIRECTOR**  
**MARTIN FORSBERG**

REFER TO CAF TRAM WORKS TEAM ORGANISATION CHART

REFER TO SIEMENS SYSTEMS WORKS TEAM ORGANISATION CHART

REFER TO BILFINGER BERGER CIVIL WORKS TEAM ORGANISATION CHART

EDINBURGH TRAM NETWORK  
INFRACO ORGANISATION CHART  
14/10/2011











Construcciones y Auxiliar de Ferrocarriles, S.A.

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Miguel ARTIGAS  
INSTALLATIONS ENG.  
Zaragoza

Xabier ALMANDOZ  
BOGIES & COUPL. ENG.  
Beasain

Damian CERDA  
INTERIOR FINISHING  
Zaragoza

Jose Miguel LACOSTA  
FIRE  
Zaragoza

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CARBODY SHELL  
Irun

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BOGIE STRUCTURE  
Div. 3 - Beasain

A. LABARI & J. FUENTES  
BOGIE FINISHING  
Irun

Itaki GARIN  
TEST & INSPECTIONS  
Irun

Amara GOÑI  
PLANNIFICATION  
Beasain

Idoia GARMENDIA  
QUALITY  
SCB - Beasain

Xabier ARTOLA  
QUALITY  
GCI - Irun

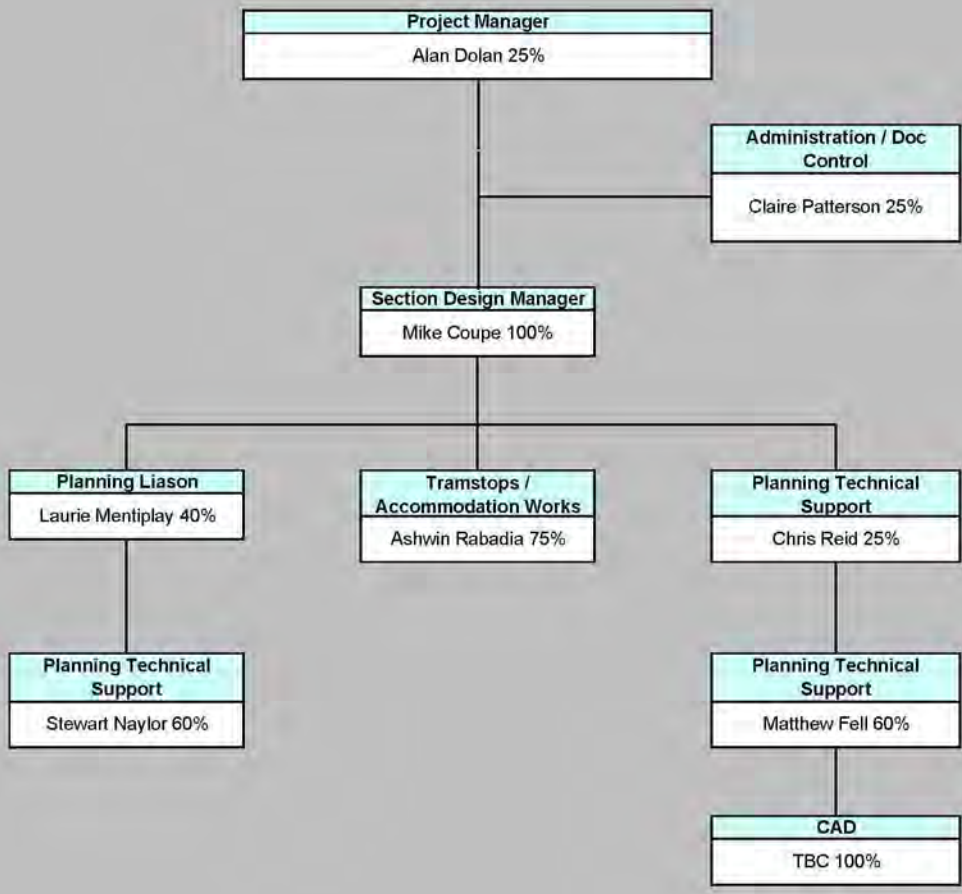
Migo URRETABIZKANA  
MAINTENANCE MANAGER INTERNAT. BUSINESS  
SSEE - Beasain  
Tel: [REDACTED]

Eral NESTAR  
MAINTENANCE DEPUTY MANAGER  
SSEE - Beasain  
[REDACTED]

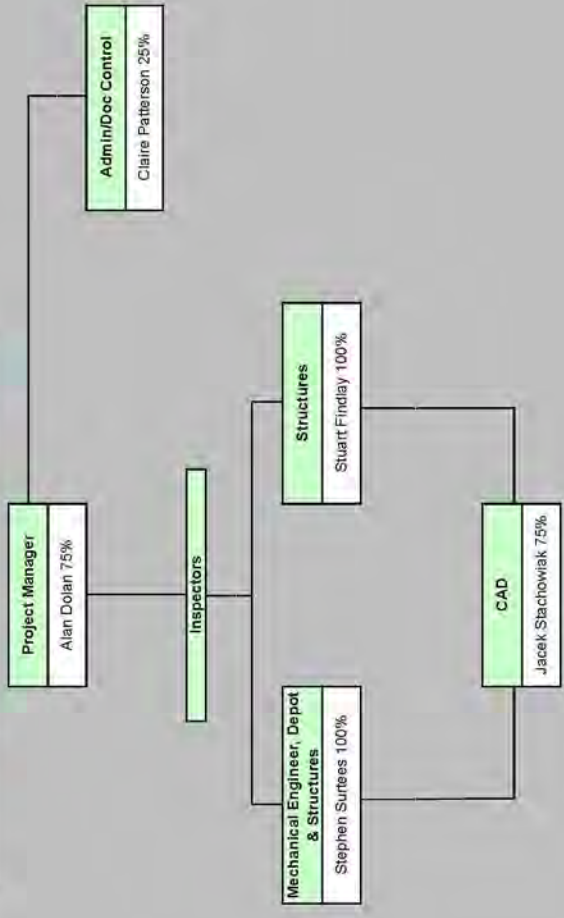
David LOWE  
TRAM MAINTENANCE MANAGER  
[REDACTED]

EDINBURGH TRAM NETWORK – ETN  
CAF Organizational Chart – V2.3  
2011/02/28





Extended Construction Support Services - For The Period 27th March 2011 up to 23th April 2011





## **10.9 Development Workshops**

## Misalignment Matrix

No.	Reference	Discipline	Item	Description / Scope of Work	Development Workshop	Date (scheduled)		Development Workshop Report	INTC	Estimate				DCO
						BSC (SDG) month	confirmed date (day)			current version issue date	Requested	Validated	Submitted to be	
1	Appendix 4	Civils	Power	Power distribution equipment foundation design	Substations	11/09/2009	05/08/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
2	Appendix 4	Civils	OLE	OLE support foundation design	OLE			11/03/2009	375,376	done	done	done	expended hours/COAL to be audited by file	45, 46, 47, 48, 49, 50, 51. DCO's do not include for DCR0229
4	Appendix 4	OLE	OLE	Detailed design - catenary	OLE			11/03/2009						
5	Appendix 4	OLE	OLE	Detailed design - auto tensioned	OLE			11/03/2009						
8	Appendix 4	OLE	OLE	Building Forming Report including design/approvals (excluding detailed wiring design and detailed building formings locations)	OLE			11/03/2009						
7	Appendix 4	OLE	OLE	Paragon interface and performance characteristics	OLE			11/03/2009						
9	Appendix 4	OLE	OLE	Typical cross sections and detailed cross sections	OLE			11/03/2009						
10	Appendix 4	OLE	OLE	Proposal for poles, wiring arrangements and the tensioning equipment	OLE			11/03/2009						
10	Appendix 4	OLE	OLE	Technical and performance specification for the OLE	OLE			11/03/2009	375, 376, 378, 379	done	done	done - Note SDS Estimate DCR0226 (associated with INTC376) issued to be ref: 6163	expended hours/COAL to be audited by file	45, 46, 47, 48, 49, 50, 51. DCO's do not include for DCR0226
11	Appendix 4	OLE	OLE	Proposal for equipment type and method of supporting the equipment along the route, including the wall fixings	OLE			11/03/2009						
12	Appendix 4	OLE	OLE	Detailed wiring layout design	OLE			11/03/2009						
13	Appendix 4	OLE	OLE	Detailed survey work including building location, height and condition / ground condition and pole location surveys	OLE			11/03/2009						
14	Appendix 4	OLE	OLE	Deput OLE Design	OLE			11/03/2009						
15	Appendix 4	OLE	OLE	Specify forces & moments for masts	OLE			11/03/2009						
16	Appendix 4	OLE	OLE	Mast foundations	OLE			11/03/2009						
17	Appendix 4	Power	Power Supplies	Substation external and Distribution design and approvals	Substations	11/09/2009	05/09/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
19	Appendix 4	Power	Power Supplies	Substation internal and Distribution design and approvals	Substations	11/09/2009	05/09/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
20	Appendix 4	Power	Power Supplies	Design ducting from substation to specified mast	Substations	11/09/2009	05/09/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
21	Appendix 4	Power	Power Supplies	Substation Civil/Building design	Substations	11/09/2009	05/09/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
22	Appendix 4	Power	Earthing and Bonding	Outline schematic (cable routing, earthing and bonding arrangements)	Earthing + Bonding	10/09/2009	11/08/2009	14/10/2009	525	done	done	done DCR0031 (submitted ref: 7579) Siemens ref: ETN(BSC)TIE&ABC #052118	to be authorised	No Order issued up to 11/02/11
23	Appendix 4	Power	Earthing and Bonding	Draft system earthing policy	Earthing + Bonding	10/09/2009	11/08/2009	14/10/2009	525	done	done	done DCR0031 (submitted ref: 7579) Siemens ref: ETN(BSC)TIE&ABC #052118	to be authorised	No Order issued up to 11/02/12
24	Appendix 4	Power	Earthing and Bonding	Typical detail sketches of wiring and bonding solutions as required	Earthing + Bonding	10/09/2009	11/08/2009	14/10/2009	525	done	done	done DCR0031 (submitted ref: 7579) Siemens ref: ETN(BSC)TIE&ABC #052118	to be authorised	No Order issued up to 11/02/13
25	Appendix 4	Power	Earthing and Bonding	Detail designs of earthing & bonding solutions as required	Earthing + Bonding	10/09/2009	11/08/2009	14/10/2009	525	done	done	done DCR0031 (submitted ref: 7579) Siemens ref: ETN(BSC)TIE&ABC #052118	to be authorised	No Order issued up to 11/02/14
26	Appendix 4	Power	Earthing and Bonding	Selection of specific earthing & bonding components	Earthing + Bonding	10/09/2009	11/08/2009	14/10/2009	525	done	done	done DCR0031 (submitted ref: 7579) Siemens ref: ETN(BSC)TIE&ABC #052118	to be authorised	No Order issued up to 11/02/15
32	Appendix 4	Power	Power Supplies	Review traction supply substation positions proposed	Substations	11/09/2009	05/09/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
33	Appendix 4	Power	Power Supplies	Define traction supply substation positions and rating	Substations	11/09/2009	05/09/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
37	Appendix 4	Power	Power Supplies	Traction supply substation schematic drawings	Substations	11/09/2009	05/09/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
38	Appendix 4	Power	Power Supplies	Feed track bed electrical supply current control requirements to track disciplines	Earthing + Bonding	10/09/2009	11/08/2009	14/10/2009	525	done	validation ongoing	done		
42	Appendix 4	Power	Power Supplies	Draft traction supply substation equipment specification for traction supply substation procurements	Substations	11/09/2009	05/09/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
45	Appendix 4	Power	Power Supplies	Specify to Scottish Power the high and low voltage supply requirements as appropriate for traction, Depot services and substation building services	Substations	11/09/2009	05/09/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
46	Appendix 4	Power	Power Supplies	Power distribution equipment foundation design	Substations	11/09/2009	05/09/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
48	Appendix 4	Power	Power Supplies	Deput substation and Distribution Design	Substations	11/09/2009	05/09/2009	28/09/2009	477	done	done	done - Separate estimate for cathodal line substation DCR0246 (submitted ref: 6345)	to be authorised	BSC's interim DCO to SDS
50	Appendix 4	Supervisory Control & Communications	Supervisory Control & Communications	Define loop location	SCC	03/09/2009		24/09/2009 Draft						
51	Appendix 4	Tram Stops	Passenger Info	Provision for Passenger Information System	Tramstop	02/09/2009	04/09/2009	28/09/2009	476	done	done	done	Not authorised yet - be requested different breakdown issued by BSC	BSC's interim DCO to SDS
52	Appendix 4	Tram Stops	Passenger Info	Component selection Passenger Information System	Tramstop	02/09/2009	04/09/2009	28/09/2009	476	done	done	done	Not authorised yet - be requested different breakdown issued by BSC	BSC's interim DCO to SDS
53	Appendix 7, Part C	Drainage		Design to be completed to IFC status, all design consents and approvals obtained and BBS will construct IFC Design	Drainage	25/09/2009	25/09/2009	14/10/2009	488	done	done	done	authorised	DCO109
54	Appendix 7, Part C	Drainage		Requirements for maximising use of and connection to existing drainage network to be confirmed.	Drainage	25/09/2009	25/09/2009	14/10/2009	488	done	done	done	authorised	DCO109
55	Appendix 7, Part C	Earthworks		Requirements for excavation and filling below Estimation Outline to be designed and specified and assessment of anticipated formation conditions	Trackform			11/03/2009	399	done	done	done	authorised	18
56	Appendix 7, Part C	Earthworks		Formation requirements to be confirmed.	Trackform			11/03/2009	399	done	done	done	authorised	18
57	Appendix 7, Part C	Earthworks		Formation requirements to be confirmed.	Trackform			11/03/2009	399	done	done	done	authorised	18
58	Appendix 7, Part C	Geometry, Horizontal Alignment		Confirmation required that alignment is compatible with CAF Tram CKE and L&O	Vertical and Horizontal Alignment				472 (partially)					



No.	Reference	Discipline	Item	Description / Scope of Work	Development Workshop	Date (scheduled)		Development Workshop Report	INTC	Estimate				DCO	
						BSC (SDS) Internal	confirmed date (at)			current version issue date	Requested	Validated	Submitted to file		Authorised by (at)
67	Appendix 7, Part C	OLE Positioning		Design to be completed to IFC status, all design consents and approvals obtained and BES will construct IFC Design	OLE			11/03/2009	375, 376, 378, 379	done	done	done	authorised	45, 46, 47, 48, 50 DCO's do not include for	
68	Appendix 7, Part C	Roads		Design to be completed to IFC status, all design consents and approvals obtained and BES will construct IFC Design	Roads			27/02/2009	271	done	done	done	authorised	19, 20	
69	Appendix 7, Part C	Roads		Subject to survey, pavement design to be developed and finalised to minimise work scope	Roads			17/02/2009	271	done	done	done	authorised	19, 20	
70	Appendix 7, Part C	Roads		Further pavement surveys and assessments are required	Roads			27/02/2009	271	done	done	done	authorised	19, 20	
73	Appendix 7, Part C	Sub-station Buildings		Design to be completed to IFC status, all design consents and approvals obtained and BES will construct IFC Design	Substations		11/06/2009	05/08/2009	28/09/2009	477	done	done	done	authorised	BES's interim DCO in SDS-
75	Appendix 7, Part C	Trackform		Design to be completed to IFC status, all design consents and approvals obtained	Trackform			11/03/2009	269	done	done	done	authorised	18	
76	Appendix 7, Part C	Trackform		Cross-sections required to reflect BES's selected track system, including minimum track construction depths (top of rail to formation) with corresponding formation condition requirements	Trackform			11/03/2009	269	done	done	done	authorised	18	
77	Appendix 7, Part C	Trackform		Cross-sections required to reflect BES's selected track system, including minimum track construction depths (top of rail to formation) with corresponding formation condition requirements	Trackform			11/03/2009	269	done	done	done	authorised	18	
78	Appendix 7, Part C	Tremlope		Design to be completed to IFC status, all design consents and approvals obtained and BES will construct IFC Design	Tremlope		08/06/2009	04/06/2009	28/09/2009	476	done	done	done	authorised yet to requested different preparation issued by BSC	18
80	Appendix 7, Part C	Vertical Alignment		Re-alignment, where possible and where Programme permits for on road section to minimise Roads work scope	Roads			27/02/2009	271	done	done	done	authorised	19, 20	
81	Appendix 7, Part C	Vertical Alignment		Re-alignment, where possible and where Programme permits to minimise Roads work scope	Roads			17/02/2009	271	done	done	done	authorised	19, 20	

**10.10 Issues and Concerns**

**Not Applicable**