Update Programme

Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-24A-8-1490	60mm Binder Course	02-Jul-12	1	02-Jul-12	0%	562
1A-24A-8-1500	35mm Surface Course - Main Carriageway and Boundary	03-Jul-12	1	03-Jul-12	0%	562
ROAD FINISHING		22-Jun-12	14	11-Jul-12		562
1A-24A-8-1510	Parapets, Guard rails	22-Jun-12	2	25-Jun-12	0%	573
1A-24A-8-1520	Landscaping	26-Jun-12	0	26-Jun-12	0%	573
1A-24A-8-1530	Traffic lights	04-Jul-12	3	06-Jul-12	0%	562
1A-24A-8-1540	Grind Rail Joint and Sealing Compound	09-Jul-12	1	09-Jul-12	0%	562
1A-24A-8-1550	Road Signs and Markings	10-Jul-12	1	10-Jul-12	0%	562
1A-24A-8-1560	Remove temporary traffic management	11-Jul-12	1	11-Jul-12	0%	562
COMMISSIONING AND TESTING		12-Jul-12	5	19-Jul-12		562
1A-24A-8-TEST-100	Handover / Acceptance of Roadworks and Trackworks	12-Jul-12	5	18-Jul-12	0%	562
1A-24A-8-TEST-110	Start remaining E&M works along track	19-Jul-12	0		0%	562
TTM PHASE 5B (LINDSAY ROAD WEST BOUND)		18-Feb-11	124	17-Aug-11		744
1A-24-TTM-05B-1000	TTM - PHASE 5B - Lindsay Road EB closed	18-Mar-11	0		0%	89
1A-24-TTM-05B-1010	TTM PHASE 5B COMPLETE		0	16-Aug-11	0%	89
tie Change Order		18-Feb-11	0	18-Feb-11		89
1A-24-TTM-05B-01	Assumed receipt of tie Change Order for BDDI to IFC	18-Feb-11*	0		0%	89
TEMPORARY AND PRELIMINARY WORKS		18-Mar-11	7	28-Mar-11		89
1A-24-5B-1000	Establish temporary traffic management	18-Mar-11	1	18-Mar-11	0%	89
1A-24-5B-1010	Site clearance	21-Mar-11	5	25-Mar-11	0%	89
1A-24-5B-1020	Investigate services / outfall positions / inlet-outlet positions / levels	28-Mar-11	1	28-Mar-11	0%	89
LINDSAY ROAD (WESTBOUND)		29-Mar-11	92	09-Aug-11		89
1A-24-5B-1030	COMMENCE ROAD WORKS (LINDSAY ROAD-WESTBOUND)	29-Mar-11	0		0%	89
1A-24-5B-1040	ROAD WORKS COMPLETE (LINDSAY ROAD)		0	09-Aug-11	0%	89
WESTBOUND		29-Mar-11	88	03-Aug-11		89
1A-24-5B-1050	Remove existing footway	29-Mar-11	5	04-Apr-11	0%	89
1A-24-5B-1060	Plane Main Carriageway & Footway	05-Apr-11	5	11-Apr-11	0%	89
1A-24-5B-1070	Plane/break/lower / excavate to Formation (Lindsay Road)	12-Apr-11	49	22-Jun-11	0%	89
1A-24-5B-1080	Capping layer (600mm)	13-Apr-11	49	23-Jun-11	0%	91
1A-24-5B-1090	Drainage and Outfalls	14-Apr-11	49	24-Jun-11	0%	89
1A-24-5B-1100	Ducts and Chambers	14-Apr-11	49	24-Jun-11	0%	89
1A-24-5B-1110	Kerbing	22-Jun-11	10	05-Jul-11	0%	91
1A-24-5B-1120	Footpath Works	27-Jun-11	27	03-Aug-11	0%	89
SURFACING		06-Jul-11	4	11-Jul-11		107
1A-24-5B-1130	220mm Sub-base	06-Jul-11	1	06-Jul-11	0%	107
1A-24-5B-1140	225mm Base	07-Jul-11	1	07-Jul-11	0%	107
1A-24-5B-1150	60mm Binder Course	08-Jul-11	1	08-Jul-11	0%	107
1A-24-5B-1160	35mm Surface Course - Main Carriageway and Boundary	11-Jul-11	1	11-Jul-11	0%	107
ROAD FINISHING		12-Jul-11	20	09-Aug-11		89
1A-24-5B-1170	Road Signs and Markings	12-Jul-11	1	12-Jul-11	0%	107
1A-24-5B-1180	Landscaping	26-Jul-11	9	08-Aug-11	0%	89
1A-24-5B-1190	Remove temporary traffic management	09-Aug-11	1	09-Aug-11	0%	89
COMMISSIONING AND TESTING		10-Aug-11	5	17-Aug-11		744
1A-24-5B-TEST-100	Handover / Acceptance of Roadworks and Trackworks	10-Aug-11	5	16-Aug-11	0%	89
1A-24-5B-TEST-110	Start remaining E&M works along track	17-Aug-11	0		0%	744

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

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

BFB00003289_0077

Update Programme

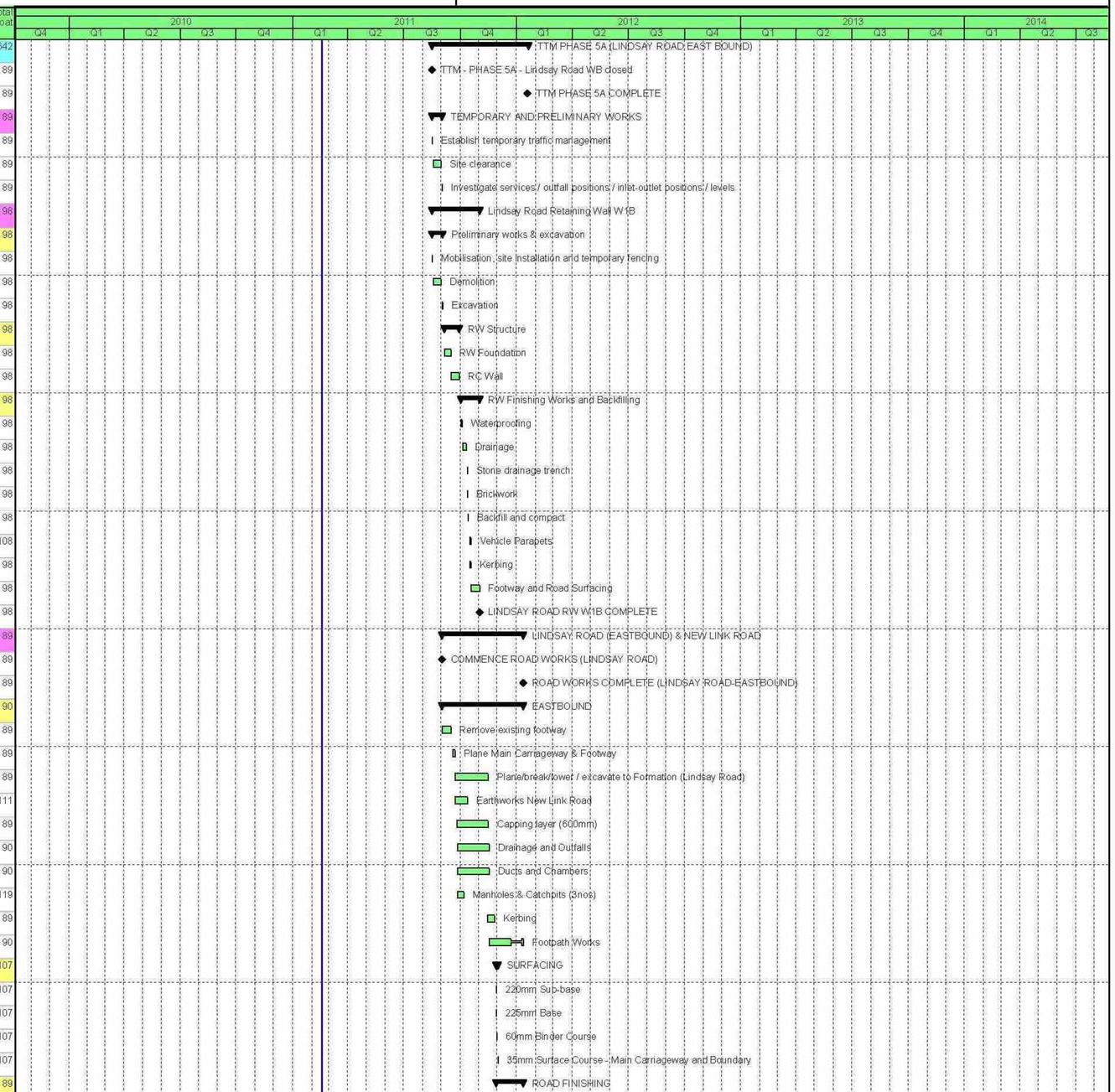
Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
TTM PHASE 5A (LINDSAY ROAD EAST BOUND)		17-Aug-11	102	20-Jan-12		642
1A-24-TTM-05A-1000	TTM - PHASE 5A - Lindsay Road WB closed	17-Aug-11	0		0%	89
1A-24-TTM-05A-1010	TTM PHASE 5A COMPLETE		0	19-Jan-12	0%	89
TEMPORARY AND PRELIMINARY WORKS		17-Aug-11	12	01-Sep-11		89
1A-24-5A-1000	Establish temporary traffic management	17-Aug-11	1	17-Aug-11	0%	89
1A-24-5A-1010	Site clearance	18-Aug-11	10	31-Aug-11	0%	89
1A-24-5A-1020	Investigate services / outfall positions / inlet-outlet positions / levels	01-Sep-11	1	01-Sep-11	0%	89
Lindsay Road Retaining Wall W1B		17-Aug-11	55	01-Nov-11		98
Preliminary works & excavation		17-Aug-11	13	02-Sep-11		98
1A-24-5A-W1B-100	Mobilisation, site installation and temporary fencing	17-Aug-11	1	17-Aug-11	0%	98
1A-24-5A-W1B-110	Demolition	18-Aug-11	10	31-Aug-11	0%	98
1A-24-5A-W1B-120	Excavation	01-Sep-11	2	02-Sep-11	0%	98
RW Structure		05-Sep-11	20	30-Sep-11		98
1A-24-5A-W1B-130	RW Foundation	05-Sep-11	9	15-Sep-11	0%	98
1A-24-5A-W1B-140	RC Wall	16-Sep-11	11	30-Sep-11	0%	98
RW Finishing Works and Backfilling		03-Oct-11	22	01-Nov-11		98
1A-24-5A-W1B-150	Waterproofing	03-Oct-11	2	04-Oct-11	0%	98
1A-24-5A-W1B-160	Drainage	05-Oct-11	5	11-Oct-11	0%	98
1A-24-5A-W1B-170	Stone drainage trench	12-Oct-11	2	13-Oct-11	0%	98
1A-24-5A-W1B-190	Brickwork	12-Oct-11	2	13-Oct-11	0%	98
1A-24-5A-W1B-180	Backfill and compact	14-Oct-11	1	14-Oct-11	0%	98
1A-24-5A-W1B-200	Vehicle Parapets	17-Oct-11	2	18-Oct-11	0%	108
1A-24-5A-W1B-210	Kerbing	17-Oct-11	2	18-Oct-11	0%	98
1A-24-5A-W1B-220	Footway and Road Surfacing	19-Oct-11	10	01-Nov-11	0%	98
1A-24-5A-W1B-230	LINDSAY ROAD RW W1B COMPLETE		0	01-Nov-11	0%	98
LINDSAY ROAD (EASTBOUND) & NEW LINK ROAD		02-Sep-11	85	12-Jan-12		89
1A-24-5A-1030	COMMENCE ROAD WORKS (LINDSAY ROAD)	02-Sep-11	0		0%	89
1A-24-5A-1040	ROAD WORKS COMPLETE (LINDSAY ROAD-EASTBOUND)		0	12-Jan-12	0%	89
EASTBOUND		02-Sep-11	84	11-Jan-12		90
1A-24-5A-1050	Remove existing footway	02-Sep-11	11	16-Sep-11	0%	89
1A-24-5A-1060	Plane Main Carriageway & Footway	19-Sep-11	4	22-Sep-11	0%	89
1A-24-5A-1070	Plane/break/lower / excavate to Formation (Lindsay Road)	23-Sep-11	38	15-Nov-11	0%	89
1A-24-5A-1080	Earthworks New Link Road	23-Sep-11	15	13-Oct-11	0%	111
1A-24-5A-1090	Capping layer (600mm)	26-Sep-11	38	16-Nov-11	0%	89
1A-24-5A-1100	Drainage and Outfalls	27-Sep-11	38	17-Nov-11	0%	90
1A-24-5A-1120	Ducts and Chambers	27-Sep-11	38	17-Nov-11	0%	90
1A-24-5A-1110	Manholes & Catchpits (3nos)	27-Sep-11	9	07-Oct-11	0%	119
1A-24-5A-1130	Kerbing	15-Nov-11	9	25-Nov-11	0%	89
1A-24-5A-1140	Footpath Works	18-Nov-11	29	11-Jan-12	0%	90
SURFACING		28-Nov-11	4	01-Dec-11		107
1A-24-5A-1150	220mm Sub-base	28-Nov-11	1	28-Nov-11	0%	107
1A-24-5A-1160	225mm Base	29-Nov-11	1	29-Nov-11	0%	107
1A-24-5A-1170	60mm Binder Course	30-Nov-11	1	30-Nov-11	0%	107
1A-24-5A-1180	35mm Surface Course - Main Carriageway and Boundary	01-Dec-11	1	01-Dec-11	0%	107
ROAD FINISHING		28-Nov-11	24	12-Jan-12		89



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

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

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Update Programme

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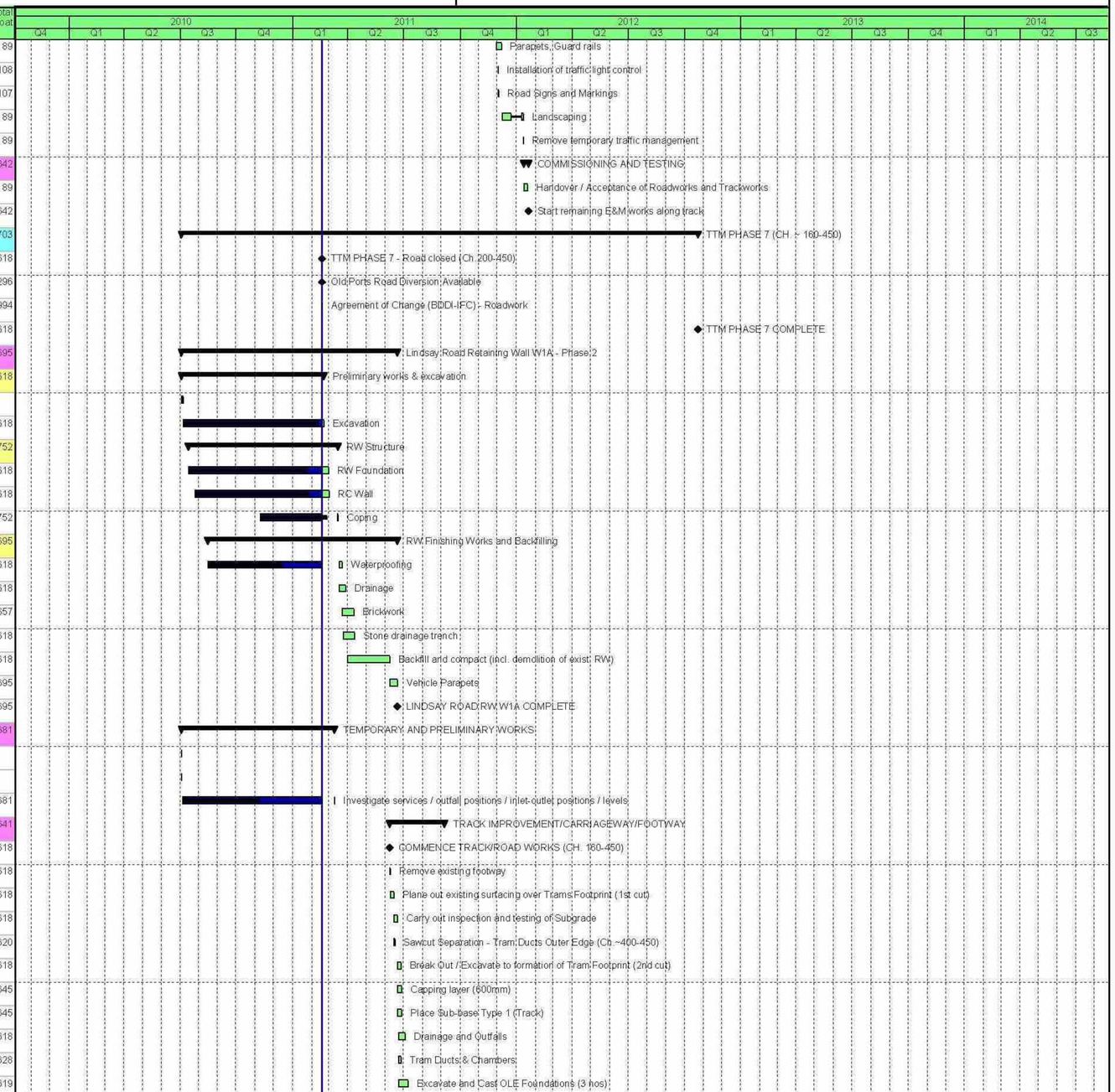
EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-24-5A-1190	Parapets, Guard rails	28-Nov-11	8	07-Dec-11	0%	89
1A-24-5A-1210	Installation of traffic light control	02-Dec-11	0	02-Dec-11	0%	108
1A-24-5A-1220	Road Signs and Markings	02-Dec-11	1	02-Dec-11	0%	107
1A-24-5A-1200	Landscaping	08-Dec-11	15	11-Jan-12	0%	89
1A-24-5A-1230	Remove temporary traffic management	12-Jan-12	1	12-Jan-12	0%	89
COMMISSIONING AND TESTING		13-Jan-12	5	20-Jan-12		642
1A-24-5A-TEST-100	Handover / Acceptance of Roadworks and Trackworks	13-Jan-12	5	19-Jan-12	0%	89
1A-24-5A-TEST-110	Start remaining E&M works along track	20-Jan-12	0		0%	642
TTM PHASE 7 (CH. ~ 160-450)		05-Jul-10 A	548	23-Oct-12		703
1A-24-TTM-07-1000	TTM PHASE 7 - Road closed (Ch.200-450)	18-Feb-11	0		0%	618
1A-24-TTM-07-1020	Old Ports Road Diversion Available		0	18-Feb-11*	0%	296
1A-24-CHGE-100	Agreement of Change (BDDI-IFC) - Roadwork	18-Feb-11	0	18-Feb-11	0%	994
1A-24-TTM-07-1010	TTM PHASE 7 COMPLETE		0	22-Oct-12	0%	618
Lindsay Road Retaining Wall W1A - Phase 2		05-Jul-10 A	212	20-Jun-11		695
Preliminary works & excavation		05-Jul-10 A	30	21-Feb-11		618
1A-24-7-W1A-100	Mobilisation, site installation and temporary fencing	05-Jul-10 A	5	07-Jul-10 A	100%	
1A-24-7-W1A-110	Excavation	07-Jul-10 A	25	21-Feb-11	95%	618
RW Structure		15-Jul-10 A	88	16-Mar-11		752
1A-24-7-W1A-120	RW Foundation	15-Jul-10 A	43	28-Feb-11	85%	618
1A-24-7-W1A-130	RC Wall	26-Jul-10 A	55	02-Mar-11	85%	618
1A-24-7-W1A-140	Coping	10-Nov-10 A	8	16-Mar-11	85%	752
RW Finishing Works and Backfilling		16-Aug-10 A	141	20-Jun-11		695
1A-24-7-W1A-150	Waterproofing	16-Aug-10 A	9	23-Mar-11	55%	618
1A-24-7-W1A-160	Drainage	17-Mar-11	8	29-Mar-11	0%	618
1A-24-7-W1A-190	Brickwork	23-Mar-11	13	11-Apr-11	0%	657
1A-24-7-W1A-170	Stone drainage trench	24-Mar-11	13	12-Apr-11	0%	618
1A-24-7-W1A-180	Backfill and compact (incl. demolition of exist. RW)	31-Mar-11	46	08-Jun-11	0%	618
1A-24-7-W1A-200	Vehicle Parapets	08-Jun-11	8	20-Jun-11	0%	695
1A-24-7-W1A-210	LINDSAY ROAD RW W1A COMPLETE		0	20-Jun-11	0%	695
TEMPORARY AND PRELIMINARY WORKS		05-Jul-10 A	3	10-Mar-11		681
1A-24B-7-1010	Site clearance	05-Jul-10 A	1	05-Jul-10 A	100%	
1A-24B-7-1000	Establish temporary traffic management	05-Jul-10 A	1	05-Jul-10 A	100%	
1A-24B-7-1020	Investigate services / outfall positions / inlet-outlet positions / levels	06-Jul-10 A	1	10-Mar-11	50%	681
TRACK IMPROVEMENT/CARRIAGEWAY/FOOTWAY		08-Jun-11	62	05-Sep-11		641
1A-24B-7-1030	COMMENCE TRACK/ROAD WORKS (CH. 160-450)	08-Jun-11	0		0%	618
1A-24B-7-1040	Remove existing footway	08-Jun-11	2	10-Jun-11	0%	618
1A-24B-7-1050	Plane out existing surfacing over Trams Footprint (1st cut)	10-Jun-11	3	15-Jun-11	0%	618
1A-24B-7-1060	Carry out inspection and testing of Subgrade	15-Jun-11	3	20-Jun-11	0%	618
1A-24B-7-1070	Sawcut Separation - Tram Ducts Outer Edge (Ch.~400-450)	15-Jun-11	1	16-Jun-11	0%	620
1A-24B-7-1080	Break Out / Excavate to formation of Tram Footprint (2nd cut)	20-Jun-11	5	27-Jun-11	0%	618
1A-24B-7-1100	Capping layer (600mm)	21-Jun-11	5	28-Jun-11	0%	645
1A-24B-7-1090	Place Sub-base Type 1 (Track)	21-Jun-11	5	28-Jun-11	0%	645
1A-24B-7-1110	Drainage and Outfalls	22-Jun-11	8	04-Jul-11	0%	618
1A-24B-7-1130	Tram Ducts & Chambers	22-Jun-11	3	27-Jun-11	0%	628
1A-24B-7-1140	Excavate and Cast OLE Foundations (3 nos)	22-Jun-11	12	08-Jul-11	0%	619



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

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

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Update Programme

Updated for V67 Design Programme,

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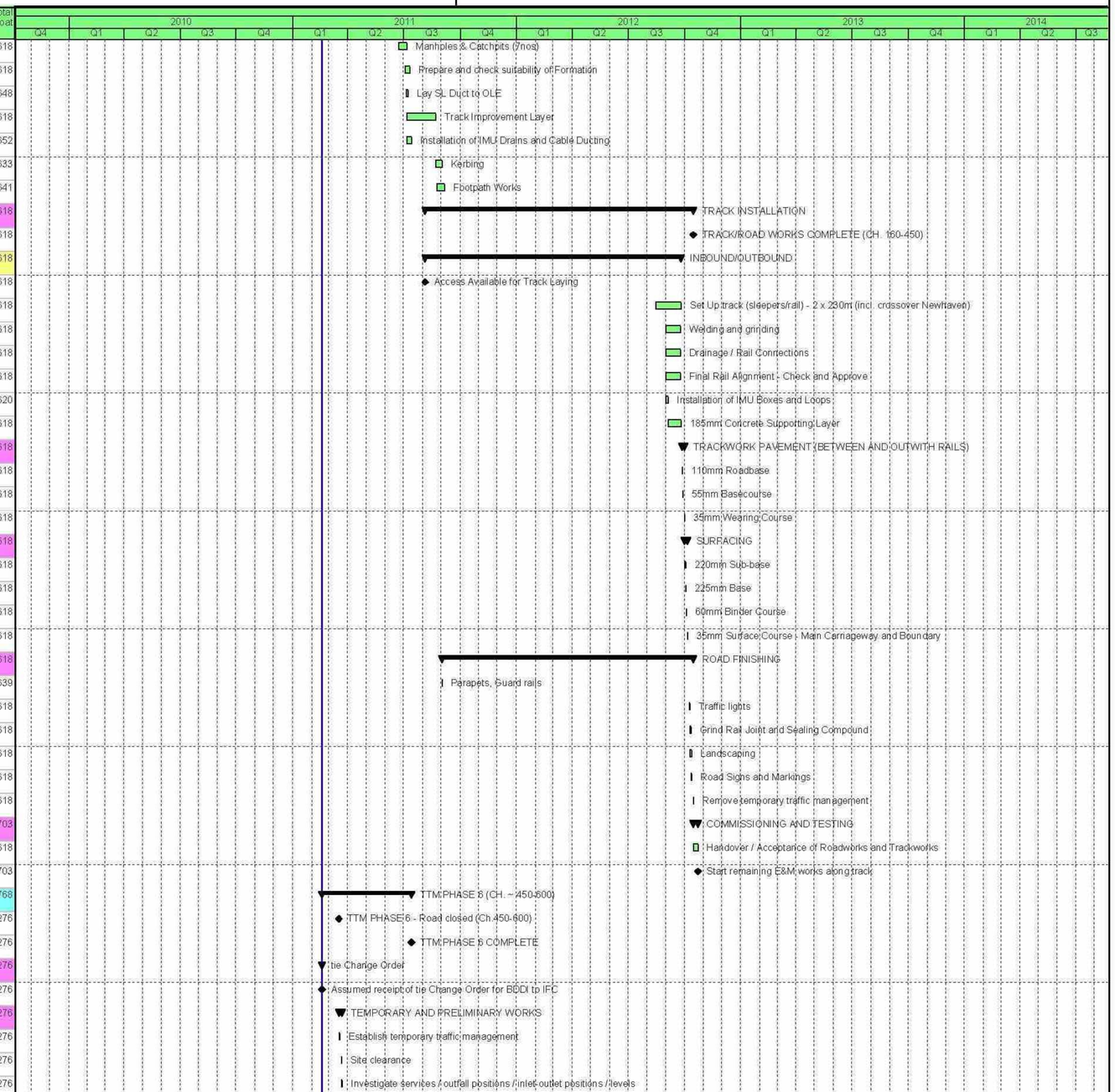
EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-24B-7-1120	Manholes & Catchpits (7nos)	22-Jun-11	11	07-Jul-11	0%	618
1A-24B-7-1160	Prepare and check suitability of Formation	04-Jul-11	5	11-Jul-11	0%	618
1A-24B-7-1150	Lay SL Duct to OLE	05-Jul-11	3	08-Jul-11	0%	648
1A-24B-7-1170	Track Improvement Layer	06-Jul-11	32	22-Aug-11	0%	618
1A-24B-7-1180	Installation of IMU Drains and Cable Ducting	06-Jul-11	5	13-Jul-11	0%	652
1A-24B-7-1190	Kerbing	22-Aug-11	8	01-Sep-11	0%	633
1A-24B-7-1200	Footpath Works	24-Aug-11	8	05-Sep-11	0%	641
TRACK INSTALLATION		05-Aug-11	298	15-Oct-12		618
-24B	TRACK/ROAD WORKS COMPLETE (CH. 160-450)		0	15-Oct-12	0%	618
INBOUND/OUTBOUND		05-Aug-11	285	26-Sep-12		618
1A-24B-7-1240	Access Available for Track Laying	05-Aug-11	0		0%	618
1A-24B-TRCK-70-1250	Set Up track (sleepers/rail) - 2 x 230m (incl. crossover Newhaven)	15-Aug-12	30	25-Sep-12	0%	618
1A-24B-7-1260	Welding and grinding	31-Aug-12	17	24-Sep-12	0%	618
1A-24B-7-1270	Drainage / Rail Connections	31-Aug-12	17	24-Sep-12	0%	618
1A-24B-7-1280	Final Rail Alignment - Check and Approve	31-Aug-12	17	24-Sep-12	0%	618
1A-24B-SIGN-60-1290	Installation of IMU Boxes and Loops	31-Aug-12	3	04-Sep-12	0%	620
1A-24B-7-1300	185mm Concrete Supporting Layer	04-Sep-12	17	26-Sep-12	0%	618
TRACKWORK PAVEMENT (BETWEEN AND OUTWITH RAILS)		27-Sep-12	3	01-Oct-12		618
1A-24B-7-1310	110mm Roadbase	27-Sep-12	1	27-Sep-12	0%	618
1A-24B-7-1320	55mm Basecourse	28-Sep-12	1	28-Sep-12	0%	618
1A-24B-7-1330	35mm Wearing Course	01-Oct-12	1	01-Oct-12	0%	618
SURFACING		02-Oct-12	4	05-Oct-12		618
1A-24B-7-1340	220mm Sub-base	02-Oct-12	1	02-Oct-12	0%	618
1A-24B-7-1350	225mm Base	03-Oct-12	1	03-Oct-12	0%	618
1A-24B-7-1360	60mm Binder Course	04-Oct-12	1	04-Oct-12	0%	618
1A-24B-7-1370	35mm Surface Course - Main Carriageway and Boundary	05-Oct-12	1	05-Oct-12	0%	618
ROAD FINISHING		01-Sep-11	279	15-Oct-12		618
1A-24B-7-1380	Parapets, Guard rails	01-Sep-11	0	01-Sep-11	0%	639
1A-24B-7-1390	Traffic lights	08-Oct-12	2	09-Oct-12	0%	618
1A-24B-7-1400	Grind Rail Joint and Sealing Compound	10-Oct-12	2	11-Oct-12	0%	618
1A-24B-7-1420	Landscaping	10-Oct-12	3	12-Oct-12	0%	618
1A-24B-7-1410	Road Signs and Markings	12-Oct-12	1	12-Oct-12	0%	618
1A-24B-7-1430	Remove temporary traffic management	15-Oct-12	1	15-Oct-12	0%	618
COMMISSIONING AND TESTING		16-Oct-12	5	23-Oct-12		703
1A-24B-7-TEST-100	Handover / Acceptance of Roadworks and Trackworks	16-Oct-12	5	22-Oct-12	0%	618
1A-24B-7-TEST-110	Start remaining E&M works along track	23-Oct-12	0		0%	703
TTM PHASE 6 (CH. ~ 450-600)		18-Feb-11	101	13-Jul-11		768
1A-TTM-06-1000	TTM PHASE 6 - Road closed (Ch.450-600)	18-Mar-11	0		0%	276
1A-TTM-06-1010	TTM PHASE 6 COMPLETE		0	13-Jul-11	0%	276
tie Change Order		18-Feb-11	0	18-Feb-11		276
1A-24--06-01	Assumed receipt of tie Change Order for BDDI to IFC	18-Feb-11*	0		0%	276
TEMPORARY AND PRELIMINARY WORKS		18-Mar-11	3	22-Mar-11		276
1A-24C-6-1000	Establish temporary traffic management	18-Mar-11	1	18-Mar-11	0%	276
1A-24C-6-1010	Site clearance	21-Mar-11	1	21-Mar-11	0%	276
1A-24C-6-1020	Investigate services / outfall positions / inlet-outlet positions / levels	22-Mar-11	1	22-Mar-11	0%	276



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

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

BFB00003289_0080

Update Programme

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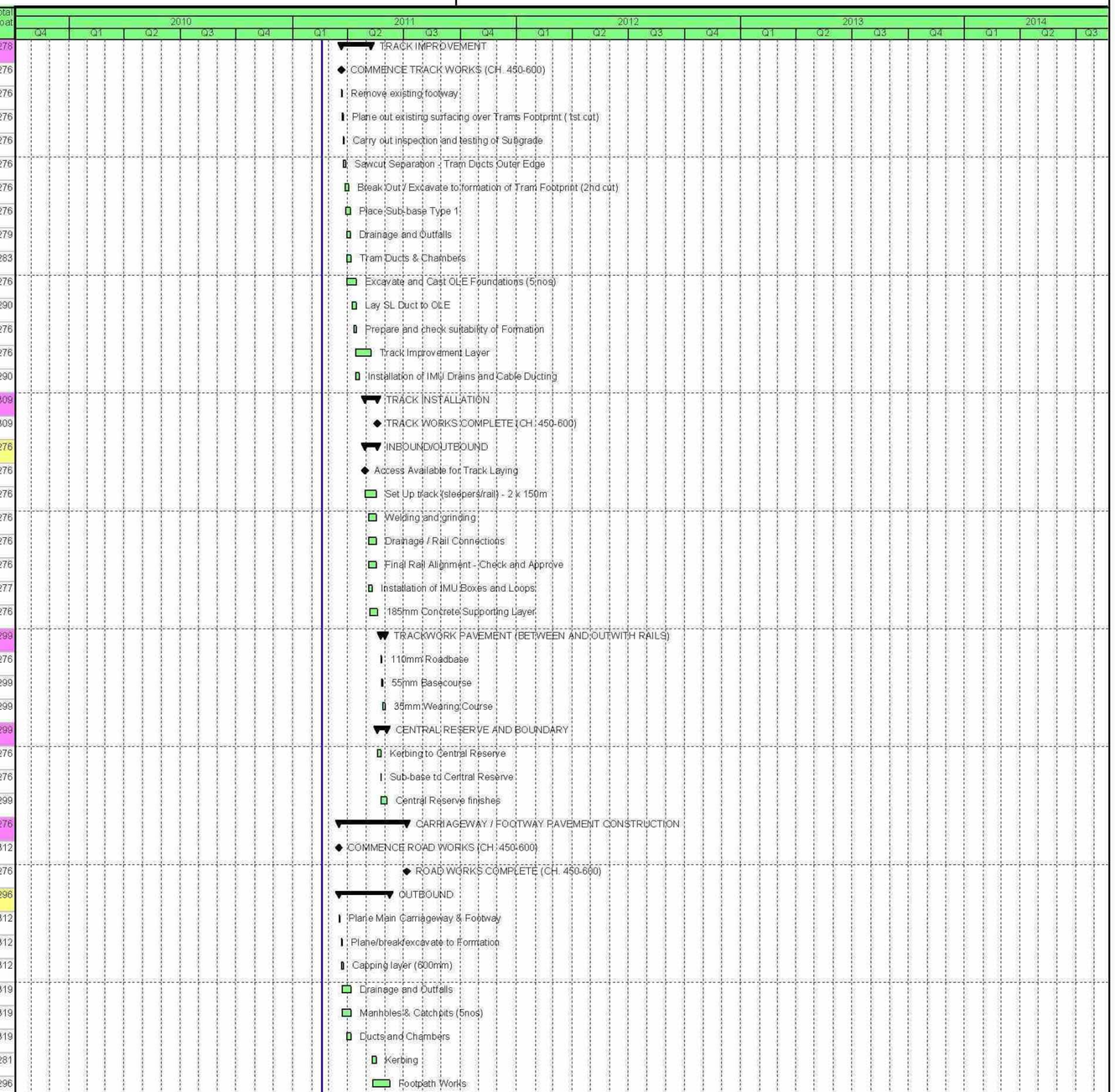
EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
TRACK IMPROVEMENT		22-Mar-11	33	09-May-11		276
1A-24C-6-1030	COMMENCE TRACK WORKS (CH. 450-600)	22-Mar-11	0		0%	276
1A-24C-6-1040	Remove existing footway	22-Mar-11	1	22-Mar-11	0%	276
1A-24C-6-1050	Plane out existing surfacing over Trams Footprint (1st cut)	23-Mar-11	2	24-Mar-11	0%	276
1A-24C-6-1060	Carry out inspection and testing of Subgrade	25-Mar-11	1	25-Mar-11	0%	276
1A-24C-6-1070	Sawcut Separation - Tram Ducts Outer Edge	25-Mar-11	2	28-Mar-11	0%	276
1A-24C-6-1080	Break Out / Excavate to formation of Tram Footprint (2nd cut)	28-Mar-11	5	01-Apr-11	0%	276
1A-24C-6-1090	Place Sub-base Type 1	29-Mar-11	5	04-Apr-11	0%	276
1A-24C-6-1100	Drainage and Outfalls	30-Mar-11	5	05-Apr-11	0%	279
1A-24C-6-1110	Tram Ducts & Chambers	30-Mar-11	6	06-Apr-11	0%	283
1A-24C-6-1120	Excavate and Cast OLE Foundations (5 nos)	30-Mar-11	13	15-Apr-11	0%	276
1A-24C-6-1130	Lay SL Duct to OLE	08-Apr-11	6	15-Apr-11	0%	290
1A-24C-6-1140	Prepare and check suitability of Formation	11-Apr-11	5	15-Apr-11	0%	276
1A-6-24C-1160	Track Improvement Layer	13-Apr-11	17	09-May-11	0%	276
1A-24C-6-1150	Installation of IMU Drains and Cable Ducting	13-Apr-11	5	19-Apr-11	0%	290
TRACK INSTALLATION		29-Apr-11	14	19-May-11		309
1A-24C-6-1170	TRACK WORKS COMPLETE (CH. 450-600)		0	19-May-11	0%	309
INBOUND/OUTBOUND		29-Apr-11	14	19-May-11		276
1A-24C-6-1180	Access Available for Track Laying	29-Apr-11	0		0%	276
1A-24C-TRCK-70-1190	Set Up track (sleepers/rail) - 2 x 150m	29-Apr-11	11	17-May-11	0%	276
1A-24C-6-1200	Welding and grinding	04-May-11	9	17-May-11	0%	276
1A-24C-6-1210	Drainage / Rail Connections	04-May-11	9	17-May-11	0%	276
1A-24C-6-1220	Final Rail Alignment - Check and Approve	04-May-11	9	17-May-11	0%	276
1A-24C-SIGN-60-1230	Installation of IMU Boxes and Loops	05-May-11	3	10-May-11	0%	277
1A-24C-6-1240	185mm Concrete Supporting Layer	06-May-11	9	19-May-11	0%	276
TRACKWORK PAVEMENT (BETWEEN AND OUTWITH RAILS)		25-May-11	3	31-May-11		299
1A-24C-6-1250	110mm Roadbase	25-May-11	1	26-May-11	0%	276
1A-24C-6-1260	55mm Basecourse	26-May-11	1	27-May-11	0%	299
1A-24C-6-1270	35mm Wearing Course	27-May-11	1	31-May-11	0%	299
CENTRAL RESERVE AND BOUNDARY		19-May-11	10	03-Jun-11		299
1A-24C-6-1280	Kerbing to Central Reserve	19-May-11	3	24-May-11	0%	276
1A-24C-6-1290	Sub-base to Central Reserve	24-May-11	1	25-May-11	0%	276
1A-24C-6-1300	Central Reserve finishes	25-May-11	6	03-Jun-11	0%	299
CARRIAGEWAY / FOOTWAY PAVEMENT CONSTRUCTION		18-Mar-11	76	06-Jul-11		276
1A-24C-6-1310	COMMENCE ROAD WORKS (CH. 450-600)	18-Mar-11	0		0%	312
1A-24C-6-1320	ROAD WORKS COMPLETE (CH. 450-600)		0	06-Jul-11	0%	276
OUTBOUND		18-Mar-11	55	07-Jun-11		296
1A-24C-6-1330	Plane Main Carriageway & Footway	18-Mar-11	1	18-Mar-11	0%	312
1A-24C-6-1340	Plane/break/excavate to Formation	21-Mar-11	2	22-Mar-11	0%	312
1A-24C-6-1350	Capping layer (600mm)	22-Mar-11	3	24-Mar-11	0%	312
1A-24C-6-1360	Drainage and Outfalls	23-Mar-11	11	06-Apr-11	0%	319
1A-24C-6-1370	Manholes & Catchpits (5nos)	23-Mar-11	11	06-Apr-11	0%	319
1A-24C-6-1380	Ducts and Chambers	30-Mar-11	6	06-Apr-11	0%	319
1A-24C-6-1390	Kerbing	10-May-11	6	17-May-11	0%	281
1A-24C-6-1400	Footpath Works	12-May-11	18	07-Jun-11	0%	296



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

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

BFB00003289_0081

Update Programme

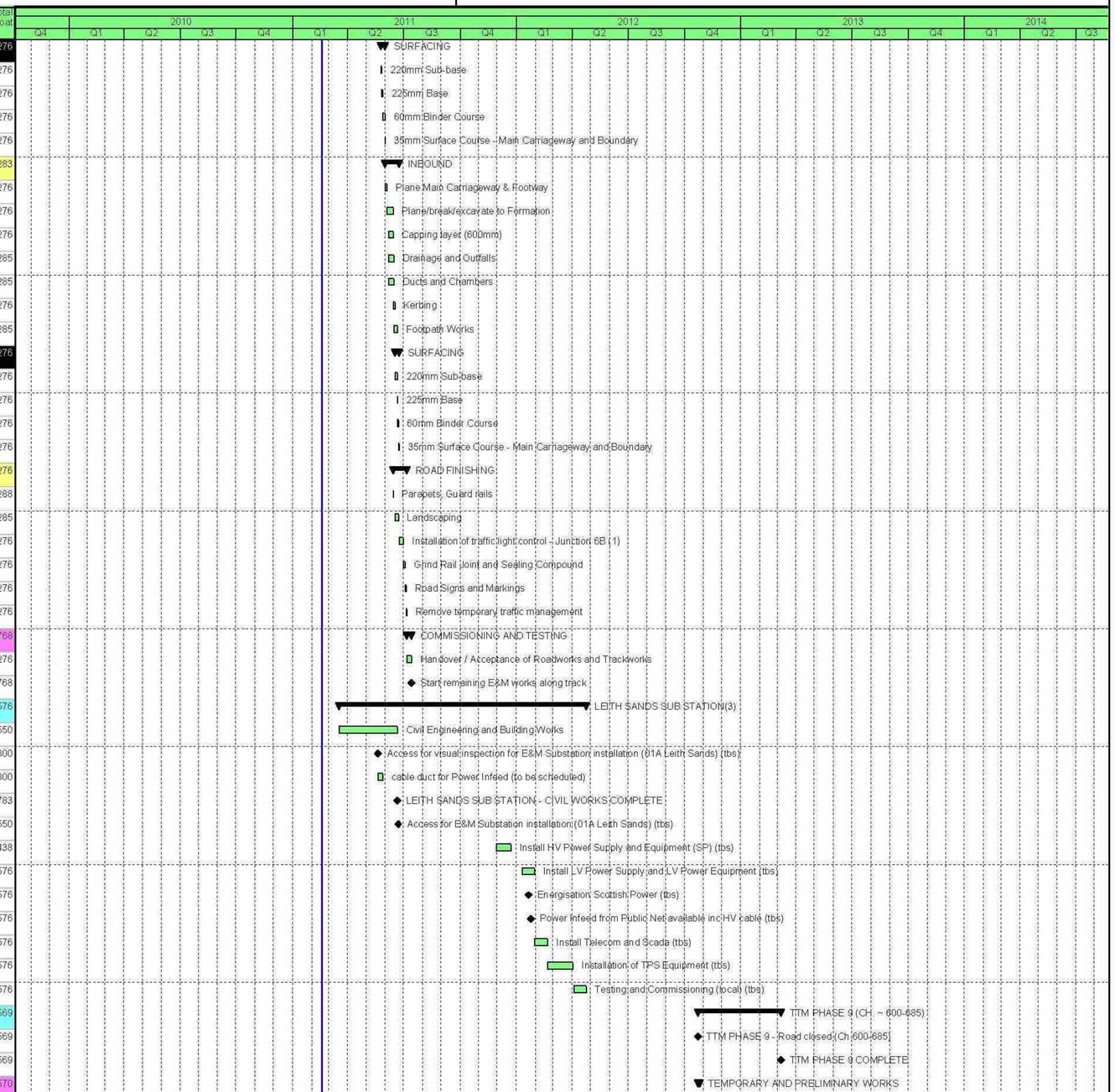
Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
SURFACING		25-May-11	4	01-Jun-11		276
1A-24C-6-1410	220mm Sub-base	25-May-11	1	26-May-11	0%	276
1A-24C-6-1420	225mm Base	26-May-11	1	27-May-11	0%	276
1A-24C-6-1430	60mm Binder Course	27-May-11	1	31-May-11	0%	276
1A-24C-6-1440	35mm Surface Course - Main Carriageway and Boundary	31-May-11	1	01-Jun-11	0%	276
INBOUND		01-Jun-11	16	23-Jun-11		283
1A-24C-6-1450	Plane Main Carriageway & Footway	01-Jun-11	2	03-Jun-11	0%	276
1A-24C-6-1460	Plane/break/excavate to Formation	03-Jun-11	6	13-Jun-11	0%	276
1A-24C-6-1470	Capping layer (600mm)	06-Jun-11	6	14-Jun-11	0%	276
1A-24C-6-1480	Drainage and Outfalls	07-Jun-11	6	15-Jun-11	0%	285
1A-24C-6-1490	Ducts and Chambers	07-Jun-11	6	15-Jun-11	0%	285
1A-24C-6-1500	Kerbing	13-Jun-11	4	17-Jun-11	0%	276
1A-24C-6-1510	Footpath Works	15-Jun-11	4	21-Jun-11	0%	285
SURFACING		17-Jun-11	4	23-Jun-11		276
1A-24C-6-1520	220mm Sub-base	17-Jun-11	1	20-Jun-11	0%	276
1A-24C-6-1530	225mm Base	20-Jun-11	1	21-Jun-11	0%	276
1A-24C-6-1540	60mm Binder Course	21-Jun-11	1	22-Jun-11	0%	276
1A-24C-6-1550	35mm Surface Course - Main Carriageway and Boundary	22-Jun-11	1	23-Jun-11	0%	276
ROAD FINISHING		13-Jun-11	17	06-Jul-11		276
1A-24C-6-1560	Parapets, Guard rails	13-Jun-11	0	13-Jun-11	0%	288
1A-24C-6-1570	Landscaping	16-Jun-11	4	22-Jun-11	0%	285
1A-24C-6-1580	Installation of traffic light control - Junction 6B (1)	23-Jun-11	6	01-Jul-11	0%	276
1A-24C-6-1590	Grind Rail Joint and Sealing Compound	01-Jul-11	1	04-Jul-11	0%	276
1A-24C-6-1600	Road Signs and Markings	04-Jul-11	1	05-Jul-11	0%	276
1A-24C-6-1610	Remove temporary traffic management	05-Jul-11	1	06-Jul-11	0%	276
COMMISSIONING AND TESTING		06-Jul-11	5	13-Jul-11		768
1A-24C-6-TEST-100	Handover / Acceptance of Roadworks and Trackworks	06-Jul-11	5	13-Jul-11	0%	276
1A-24C-6-TEST-110	Start remaining E&M works along track	13-Jul-11	0		0%	768
LEITH SANDS SUB STATION(3)		18-Mar-11	272	23-Apr-12		576
1A-SUBS-90	Civil Engineering and Building Works	18-Mar-11	65	21-Jun-11	0%	550
1A-SUBS-30	Access for visual inspection for E&M Substation installation (01A Leith Sands) (tbs)	20-May-11	0		0%	800
1A-SUBS-100	cable duct for Power Infeed (to be scheduled)	20-May-11	5	27-May-11	0%	800
1A-SUBS-120	LEITH SANDS SUB STATION - CIVIL WORKS COMPLETE		0	21-Jun-11	0%	783
1A-SUBS-31	Access for E&M Substation installation (01A Leith Sands) (tbs)	22-Jun-11	0		0%	550
1A-SUBS-45	Install HV Power Supply and Equipment (SP) (tbs)	28-Nov-11	20	23-Dec-11	0%	438
1A-SUBS-50	Install LV Power Supply and LV Power Equipment (tbs)	10-Jan-12	15	30-Jan-12	0%	576
1A-SUBS-55	Energisation Scottish Power (tbs)		0	20-Jan-12	0%	576
1A-SUBS-40	Power Infeed from Public Net available inc HV cable (tbs)	24-Jan-12	0		0%	576
1A-SUBS-70	Install Telecom and Scada (tbs)	31-Jan-12	15	20-Feb-12	0%	576
1A-SUBS-60	Installation of TPS Equipment (tbs)	21-Feb-12	30	02-Apr-12	0%	576
1A-SUBS-80	Testing and Commissioning (local) (tbs)	03-Apr-12	14	23-Apr-12	0%	576
TTM PHASE 9 (CH. ~ 600-685)		23-Oct-12	88	07-Mar-13		569
1A-24E-TTM-09-1000	TTM PHASE 9 - Road closed (Ch.600-685)	23-Oct-12	0		0%	569
1A-24E-TTM-09-1010	TTM PHASE 9 COMPLETE		0	06-Mar-13	0%	569
TEMPORARY AND PRELIMINARY WORKS		23-Oct-12	3	25-Oct-12		570



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

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

BFB00003289_0082

Update Programme

Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-24E-9-1000	Establish temporary traffic management	23-Oct-12	1	23-Oct-12	0%	569
1A-24E-9-1010	Site clearance	24-Oct-12	1	24-Oct-12	0%	569
1A-24E-9-1020	Investigate services / outfall positions / inlet-outlet positions / levels	25-Oct-12	1	25-Oct-12	0%	570
TRACK IMPROVEMENT		25-Oct-12	25	28-Nov-12		577
1A-24E-9-1030	COMMENCE TRACK WORKS (CH. 600-685)	25-Oct-12	0		0%	569
1A-24E-9-1040	Remove existing footway	25-Oct-12	2	26-Oct-12	0%	569
1A-24E-9-1050	Plane out existing surfacing over Trams Footprint (1st cut)	29-Oct-12	1	29-Oct-12	0%	569
1A-24E-9-1060	Carry out inspection and testing of Subgrade	30-Oct-12	1	30-Oct-12	0%	569
1A-24E-9-1070	Sawcut Separation - Tram Ducts Outer Edge	30-Oct-12	1	30-Oct-12	0%	569
1A-24E-9-1080	Break Out / Excavate to formation of Tram Footprint (2nd cut)	31-Oct-12	3	02-Nov-12	0%	569
1A-24E-9-1090	Place Sub-base Type 1	31-Oct-12	3	02-Nov-12	0%	569
1A-24E-9-1100	Drainage and Outfalls	05-Nov-12	3	07-Nov-12	0%	570
1A-24E-9-1120	Excavate and Cast OLE Foundations (5 nos)	05-Nov-12	9	15-Nov-12	0%	569
1A-24E-9-1110	Tram Ducts & Chambers	07-Nov-12	3	09-Nov-12	0%	573
1A-24E-9-1140	Prepare and check suitability of Formation	09-Nov-12	5	15-Nov-12	0%	569
1A-24E-9-1130	Lay SL Duct to OLE	13-Nov-12	3	15-Nov-12	0%	578
1A-24E-9-1160	Track Improvement Layer	13-Nov-12	12	28-Nov-12	0%	569
1A-24E-9-1150	Installation of IMU Drains and Cable Ducting	13-Nov-12	5	19-Nov-12	0%	584
TRACK INSTALLATION		29-Nov-12	17	21-Dec-12		608
1A-24E-9-1170	TRACK WORKS COMPLETE (CH. 600-685)		0	21-Dec-12	0%	608
INBOUND/OUTBOUND		29-Nov-12	17	21-Dec-12		569
1A-24E-9-1180	Access Available for Track Laying	29-Nov-12	0		0%	569
1A-24E-TRCK-70-1190	Set Up track (sleepers/rail) - 2 x 85m	04-Dec-12	7	12-Dec-12	0%	569
1A-24E-9-1200	Welding and grinding	06-Dec-12	5	12-Dec-12	0%	569
1A-24E-9-1210	Drainage / Rail Connections	06-Dec-12	5	12-Dec-12	0%	569
1A-24E-9-1220	Final Rail Alignment - Check and Approve	06-Dec-12	5	12-Dec-12	0%	569
1A-24E-SIGN-60-1230	Installation of IMU Boxes and Loops	07-Dec-12	2	10-Dec-12	0%	570
1A-24E-9-1240	185mm Concrete Supporting Layer	10-Dec-12	10	21-Dec-12	0%	569
TRACKWORK PAVEMENT (BETWEEN AND OUTWITH RAILS)		09-Jan-13	3	11-Jan-13		569
1A-24E-9-1250	110mm Roadbase	09-Jan-13	1	09-Jan-13	0%	569
1A-24E-9-1260	55mm Basecourse	10-Jan-13	1	10-Jan-13	0%	569
1A-24E-9-1270	35mm Wearing Course	11-Jan-13	1	11-Jan-13	0%	569
CENTRAL RESERVE AND BOUNDARY		31-Dec-12	7	14-Jan-13		601
1A-24E-9-1280	Kerbing to Central Reserve	31-Dec-12	2	07-Jan-13	0%	569
1A-24E-9-1290	Sub-base to Central Reserve	08-Jan-13	1	08-Jan-13	0%	569
1A-24E-9-1300	Central Reserve finishes	09-Jan-13	4	14-Jan-13	0%	601
CARRIAGEWAY / FOOTWAY PAVEMENT CONSTRUCTION		14-Jan-13	33	27-Feb-13		569
1A-24E-9-1310	COMMENCE ROAD WORKS (CH. 600-685)	14-Jan-13	0		0%	569
1A-24E-9-1320	ROAD WORKS COMPLETE (CH. 600-685)		0	27-Feb-13	0%	569
OUTBOUND		14-Jan-13	12	29-Jan-13		590
1A-24E-9-1330	Plane Main Carriageway & Footway	14-Jan-13	1	14-Jan-13	0%	569
1A-24E-9-1340	Plane/break/excavate to Formation	15-Jan-13	3	17-Jan-13	0%	569
1A-24E-9-1350	Capping layer (600mm)	16-Jan-13	3	18-Jan-13	0%	569
1A-24E-9-1360	Drainage and Outfalls	17-Jan-13	3	21-Jan-13	0%	590
1A-24E-9-1370	Ducts and Chambers	17-Jan-13	3	21-Jan-13	0%	590

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

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

BFB00003289_0083

Update Programme

Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-24E-9-1380	Kerbing	18-Jan-13	3	22-Jan-13	0%	569
1A-24E-9-1390	Footpath Works	22-Jan-13	6	29-Jan-13	0%	590
SURFACING		23-Jan-13	4	28-Jan-13		569
1A-24E-9-1400	220mm Sub-base	23-Jan-13	1	23-Jan-13	0%	569
1A-24E-9-1410	225mm Base	24-Jan-13	1	24-Jan-13	0%	569
1A-24E-9-1420	60mm Binder Course	25-Jan-13	1	25-Jan-13	0%	569
1A-24E-9-1430	35mm Surface Course - Main Carriageway and Boundary	28-Jan-13	1	28-Jan-13	0%	569
INBOUND		29-Jan-13	13	14-Feb-13		576
1A-24E-9-1440	Plane Main Carriageway & Footway	29-Jan-13	1	29-Jan-13	0%	569
1A-24E-9-1450	Plane/break/excavate to Formation (incl. access road)	30-Jan-13	4	04-Feb-13	0%	569
1A-24E-9-1460	Capping layer (600mm)	31-Jan-13	4	05-Feb-13	0%	569
1A-24E-9-1470	Drainage and Outfalls	01-Feb-13	4	06-Feb-13	0%	578
1A-24E-9-1480	Ducts and Chambers	01-Feb-13	4	06-Feb-13	0%	578
1A-24E-9--1490	Kerbing	05-Feb-13	4	08-Feb-13	0%	569
1A-24E-9-1500	Footpath Works	07-Feb-13	4	12-Feb-13	0%	578
SURFACING		11-Feb-13	4	14-Feb-13		569
1A-24E-9-1510	220mm Sub-base	11-Feb-13	1	11-Feb-13	0%	569
1A-24E-9-1520	225mm Base	12-Feb-13	1	12-Feb-13	0%	569
1A-24E-9-1530	60mm Binder Course	13-Feb-13	1	13-Feb-13	0%	569
1A-24E-9-1540	35mm Surface Course - Main Carriageway and Boundary	14-Feb-13	1	14-Feb-13	0%	569
ROAD FINISHING		05-Feb-13	17	27-Feb-13		569
1A-24E-9-1550	Parapets, Guard rails	05-Feb-13	0	05-Feb-13	0%	584
1A-24E-9-1560	Landscaping	13-Feb-13	1	13-Feb-13	0%	578
1A-24E-9-1570	Installation of traffic light control - Junction 6B (2)	15-Feb-13	6	22-Feb-13	0%	569
1A-24E-9-1580	Installation of traffic light control - Junction 6C (2)	18-Feb-13	5	22-Feb-13	0%	569
1A-24E-9-1590	Grind Rail Joint and Sealing Compound	25-Feb-13	1	25-Feb-13	0%	569
1A-24E-9-1600	Road Signs and Markings	26-Feb-13	1	26-Feb-13	0%	569
1A-24E-9-1610	Remove temporary traffic management	27-Feb-13	1	27-Feb-13	0%	569
COMMISSIONING AND TESTING		28-Feb-13	5	07-Mar-13		569
1A-24E-9-TEST-100	Handover / Acceptance of Roadworks and Trackworks	28-Feb-13	5	06-Mar-13	0%	569
1A-24E-9-TEST-110	Start remaining E&M works along track	07-Mar-13	0		0%	569
TTM PHASE 4A (CH. ~ 685-830)		13-Jul-11	260	31-Jul-12		654
1A-24F-TTM-04A-1000	TTM PHASE 4A - Road closed (Ch.685-830)	13-Jul-11	0		0%	276
1A-24F-TTM-04A-1010	TTM PHASE 4A COMPLETE		0	30-Jul-12	0%	276
TEMPORARY AND PRELIMINARY WORKS		13-Jul-11	4	19-Jul-11		277
1A-24F-4A-1000	Establish temporary traffic management	13-Jul-11	1	14-Jul-11	0%	276
1A-24F-4A-1010	Site clearance	14-Jul-11	2	18-Jul-11	0%	276
1A-24F-4A-1020	Investigate services / outfall positions / inlet-outlet positions / levels	18-Jul-11	1	19-Jul-11	0%	277
TRACK IMPROVEMENT		18-Jul-11	40	13-Sep-11		287
1A-24F-4A-1030	COMMENCE TRACK WORKS (CH. 685-830)	18-Jul-11	0		0%	276
1A-24F-4A-1040	Remove existing central reserve & lighting colimns	18-Jul-11	2	20-Jul-11	0%	276
1A-24F-4A-1050	Remove existing footway - Outbound	18-Jul-11	1	19-Jul-11	0%	276
1A-24F-4A-1060	Remove existing footway - R'about	18-Jul-11	2	20-Jul-11	0%	276
1A-24F-4A-1070	Plane out existing surfacing over Trams Footprint (1st cut)	20-Jul-11	2	22-Jul-11	0%	276
1A-24F-4A-1080	Carry out inspection and testing of Subgrade	22-Jul-11	1	25-Jul-11	0%	276

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

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

BFB00003289_0084

Update Programme

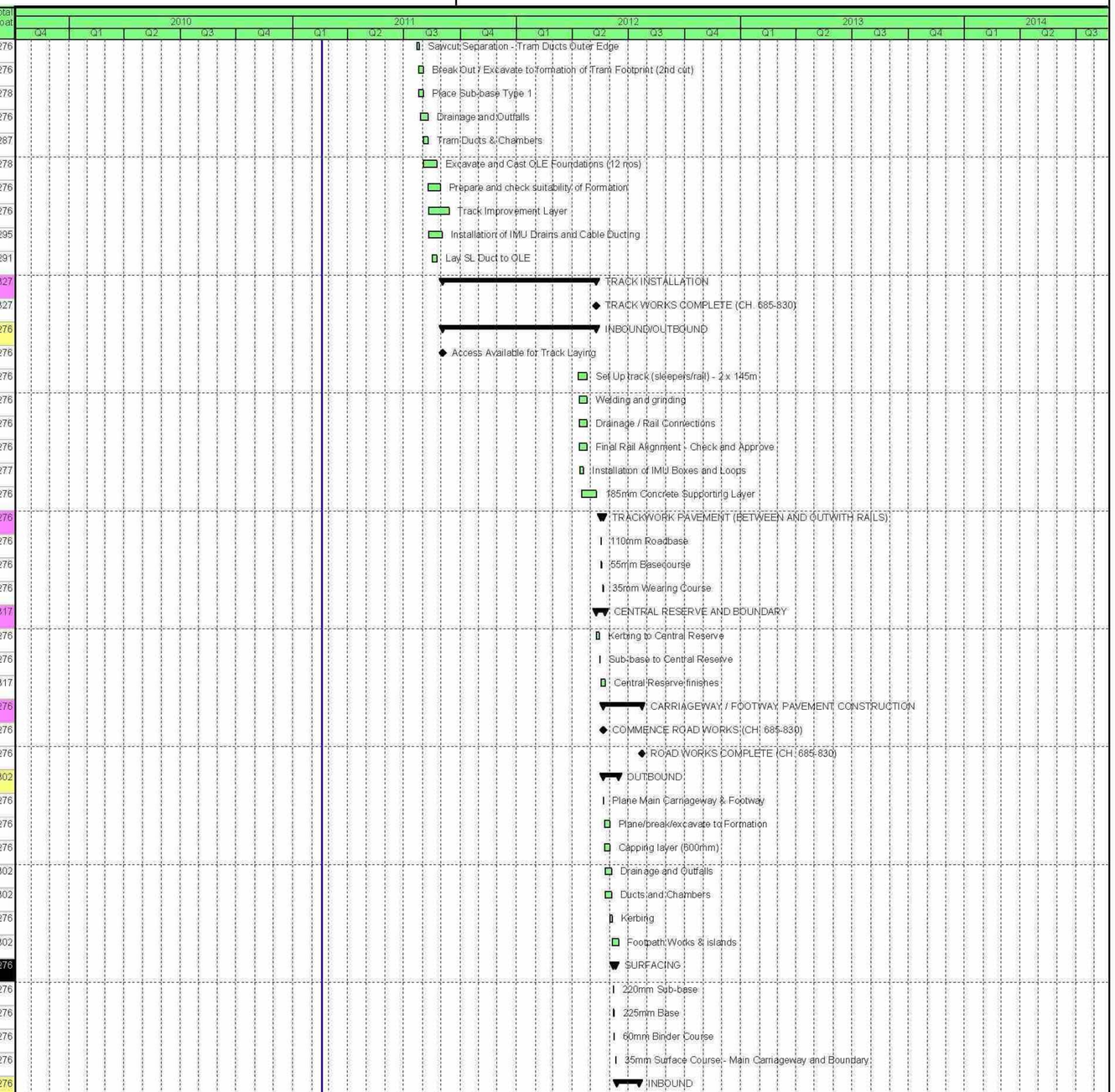
Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-24F-4A-1090	Sawcut Separation - Tram Ducts Outer Edge	22-Jul-11	2	26-Jul-11	0%	276
1A-24F-4A-1100	Break Out / Excavate to formation of Tram Footprint (2nd cut)	25-Jul-11	5	02-Aug-11	0%	276
1A-24F-4A-1110	Place Sub-base Type 1	25-Jul-11	5	02-Aug-11	0%	278
1A-24F-4A-1120	Drainage and Outfalls	28-Jul-11	7	09-Aug-11	0%	276
1A-24F-4A-1130	Tram Ducts & Chambers	02-Aug-11	6	10-Aug-11	0%	287
1A-24F-4A-1140	Excavate and Cast OLE Foundations (12 nos)	02-Aug-11	15	23-Aug-11	0%	278
1A-24F-4A-1160	Prepare and check suitability of Formation	09-Aug-11	15	30-Aug-11	0%	276
1A-24F-4A-1180	Track Improvement Layer	11-Aug-11	23	13-Sep-11	0%	276
1A-24F-4A-1170	Installation of IMU Drains and Cable Ducting	11-Aug-11	15	01-Sep-11	0%	295
1A-24F-4A-1150	Lay SL Duct to OLE	16-Aug-11	5	23-Aug-11	0%	291
TRACK INSTALLATION		02-Sep-11	168	10-May-12		327
1A-24F-4A-10000	TRACK WORKS COMPLETE (CH. 685-830)		0	10-May-12	0%	327
INBOUND/OUTBOUND		02-Sep-11	168	10-May-12		276
1A-24F-4A-1190	Access Available for Track Laying	02-Sep-11	0		0%	276
1A-24F-TRCK-70-1200	Set Up track (sleepers/rail) - 2 x 145m	10-Apr-12	11	24-Apr-12	0%	276
1A-24F-4A-1210	Welding and grinding	12-Apr-12	9	24-Apr-12	0%	276
1A-24F-4A-1220	Drainage / Rail Connections	12-Apr-12	9	24-Apr-12	0%	276
1A-24F-4A-1230	Final Rail Alignment - Check and Approve	12-Apr-12	9	24-Apr-12	0%	276
1A-24F-SIGN-60-1240	Installation of IMU Boxes and Loops	13-Apr-12	5	19-Apr-12	0%	277
1A-24F-4A-1250	185mm Concrete Supporting Layer	16-Apr-12	18	10-May-12	0%	276
TRACKWORK PAVEMENT (BETWEEN AND OUTWITH RAILS)		17-May-12	3	21-May-12		276
1A-24F-4A-1260	110mm Roadbase	17-May-12	1	17-May-12	0%	276
1A-24F-4A-1270	55mm Basecourse	18-May-12	1	18-May-12	0%	276
1A-24F-4A-1280	35mm Wearing Course	21-May-12	1	21-May-12	0%	276
CENTRAL RESERVE AND BOUNDARY		11-May-12	10	24-May-12		317
1A-24F-4A-1290	Kerbing to Central Reserve	11-May-12	3	15-May-12	0%	276
1A-24F-4A-1300	Sub-base to Central Reserve	16-May-12	1	16-May-12	0%	276
1A-24F-4A-1310	Central Reserve finishes	17-May-12	6	24-May-12	0%	317
CARRIAGEWAY / FOOTWAY PAVEMENT CONSTRUCTION		22-May-12	44	23-Jul-12		276
1A-24F-4A-1320	COMMENCE ROAD WORKS (CH. 685-830)	22-May-12	0		0%	276
1A-24F-4A-1330	ROAD WORKS COMPLETE (CH. 685-830)		0	23-Jul-12	0%	276
OUTBOUND		22-May-12	18	15-Jun-12		302
1A-24F-4A-1340	Plane Main Carriageway & Footway	22-May-12	1	22-May-12	0%	276
1A-24F-4A-1350	Plane/break/excavate to Formation	23-May-12	6	31-May-12	0%	276
1A-24F-4A-1360	Capping layer (600mm)	24-May-12	6	01-Jun-12	0%	276
1A-24F-4A-1370	Drainage and Outfalls	25-May-12	6	04-Jun-12	0%	302
1A-24F-4A-1380	Ducts and Chambers	25-May-12	6	04-Jun-12	0%	302
1A-24F-4A-1390	Kerbing	01-Jun-12	3	05-Jun-12	0%	276
1A-24F-4A-1400	Footpath Works & islands	05-Jun-12	9	15-Jun-12	0%	302
SURFACING		06-Jun-12	4	11-Jun-12		276
1A-24F-4A-1410	220mm Sub-base	06-Jun-12	1	06-Jun-12	0%	276
1A-24F-4A-1420	225mm Base	07-Jun-12	1	07-Jun-12	0%	276
1A-24F-4A-1430	60mm Binder Course	08-Jun-12	1	08-Jun-12	0%	276
1A-24F-4A-1440	35mm Surface Course - Main Carriageway and Boundary	11-Jun-12	1	11-Jun-12	0%	276
INBOUND		12-Jun-12	28	19-Jul-12		276



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

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

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Update Programme

Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-24F-4A-1450	Plane Main Carriageway & Footway	12-Jun-12	2	13-Jun-12	0%	276
1A-24F-4A-1460	Plane/break/excavate to Formation (incl. access road)	14-Jun-12	10	27-Jun-12	0%	276
1A-24F-4A-1470	Capping layer (600mm)	15-Jun-12	10	28-Jun-12	0%	276
1A-24F-4A-1480	Drainage and Outfalls	18-Jun-12	10	29-Jun-12	0%	276
1A-24F-4A-1490	Ducts and Chambers	18-Jun-12	10	29-Jun-12	0%	276
1A-24F-4A-1500	Kerbing	28-Jun-12	5	04-Jul-12	0%	276
1A-24F-4A-1510	Footpath Works & islands	02-Jul-12	14	19-Jul-12	0%	276
SURFACING		05-Jul-12	4	10-Jul-12		277
1A-24F-4A-1520	220mm Sub-base	05-Jul-12	1	05-Jul-12	0%	277
1A-24F-4A-1530	225mm Base	06-Jul-12	1	06-Jul-12	0%	277
1A-24F-4A-1540	60mm Binder Course	09-Jul-12	1	09-Jul-12	0%	277
1A-24F-4A-1550	35mm Surface Course - Main Carriageway and Boundary	10-Jul-12	1	10-Jul-12	0%	277
ROAD FINISHING		28-Jun-12	18	23-Jul-12		276
1A-24F-4A-1560	Parapets, Guard rails	28-Jun-12	3	02-Jul-12	0%	279
1A-24F-4A-1570	Landscaping	06-Jul-12	11	20-Jul-12	0%	276
1A-24F-4A-1580	Installation of traffic light control - Junction 6C (1)	11-Jul-12	5	17-Jul-12	0%	277
1A-24F-4A-1590	Grind Rail Joint and Sealing Compound	18-Jul-12	1	18-Jul-12	0%	277
1A-24F-4A-1600	Road Signs and Markings	19-Jul-12	1	19-Jul-12	0%	277
1A-24F-4A-1610	Remove temporary traffic management	23-Jul-12	1	23-Jul-12	0%	276
COMMISSIONING AND TESTING		24-Jul-12	5	31-Jul-12		654
1A-24F-4A-TEST-100	Handover / Acceptance of Roadworks and Trackworks	24-Jul-12	5	30-Jul-12	0%	276
1A-24F-4A-TEST-110	Start remaining E&M works along track	31-Jul-12	0		0%	654
TTM PHASE 4B (CH. ~ 830-1080)		31-Jul-12	167	05-Apr-13		516
1A-24D-TTM-04B-1000	TTM PHASE 4B - Road closed (Ch.830-1080)	31-Jul-12	0		0%	276
1A-24D-TTM-04B-1010	TTM PHASE 4B COMPLETE		0	04-Apr-13	0%	516
TEMPORARY AND PRELIMINARY WORKS		31-Jul-12	4	03-Aug-12		283
1A-24D-4B-1000	Establish temporary traffic management	31-Jul-12	1	31-Jul-12	0%	276
1A-24D-4B-1010	Site clearance	01-Aug-12	2	02-Aug-12	0%	276
1A-24D-4B-1020	Investigate services / outfall positions / inlet-outlet positions / levels	03-Aug-12	1	03-Aug-12	0%	283
TRACK IMPROVEMENT		03-Aug-12	71	12-Nov-12		391
1A-24D-4B-1030	COMMENCE TRACK WORKS (CH. 830-1080)	03-Aug-12	0		0%	276
1A-24D-4B-1040	Remove existing central reserve & lighting colimns	03-Aug-12	8	15-Aug-12	0%	276
1A-24D-4B-1050	Remove existing footway - Outbound	03-Aug-12	6	13-Aug-12	0%	278
1A-24D-4B-1060	Remove existing footway - R'about	03-Aug-12	2	07-Aug-12	0%	282
1A-24D-4B-1070	Plane out existing surfacing over Trams Footprint (1st cut)	16-Aug-12	4	21-Aug-12	0%	276
1A-24D-4B-1080	Carry out inspection and testing of Subgrade	22-Aug-12	1	22-Aug-12	0%	276
1A-24D-4B-1090	Sawcut Separation - Tram Ducts Outer Edge	22-Aug-12	3	24-Aug-12	0%	276
1A-24D-4B-1100	Break Out / Excavate to formation of Tram Footprint (2nd cut)	23-Aug-12	10	05-Sep-12	0%	276
1A-24D-4B-1110	Place Sub-base Type 1	23-Aug-12	10	05-Sep-12	0%	391
1A-24D-4B-1120	Drainage and Outfalls	28-Aug-12	9	07-Sep-12	0%	392
1A-24D-4B-1130	Manholes and Catchpits (3 nos)	28-Aug-12	9	07-Sep-12	0%	392
1A-24D-4B-1140	Tram Ducts & Chambers	30-Aug-12	10	12-Sep-12	0%	276
1A-24D-4B-1150	Excavate and Cast OLE Foundations (20 nos)	06-Sep-12	26	11-Oct-12	0%	391
1A-24D-4B-1170	Prepare and check suitability of Formation	11-Sep-12	15	01-Oct-12	0%	391
1A-24D-4B-1190	Track Improvement Layer	13-Sep-12	43	12-Nov-12	0%	391

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Update Programme

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EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-24D-4B-1180	Installation of IMU Drains and Cable Ducting	13-Sep-12	15	03-Oct-12	0%	419
1A-24D-4B-1160	Lay SL Duct to OLE	02-Oct-12	8	11-Oct-12	0%	413
TRACK INSTALLATION		22-Oct-12	89	06-Mar-13		536
1A-24D-4B-1200	TRACK WORKS COMPLETE (CH. 830-1080)		0	29-Jan-13	0%	539
INBOUND/OUTBOUND		22-Oct-12	89	06-Mar-13		536
1A-24D-4B-1210	Access Available for Track Laying	22-Oct-12	0		0%	391
1A-24D-TRCK-70-1220	Set Up track (sleepers/rail) - 2 x 250m & turn out track	30-Nov-12	30	23-Jan-13	0%	391
1A-24D-4B-1230	Welding and grinding	04-Dec-12	30	25-Jan-13	0%	391
1A-24D-4B-1240	Drainage / Rail Connections	04-Dec-12	30	25-Jan-13	0%	391
1A-24D-4B-1250	Final Rail Alignment - Check and Approve	04-Dec-12	30	25-Jan-13	0%	391
1A-24D-SIGN-60-1260	Installation of IMU Boxes and Loops	05-Dec-12	5	11-Dec-12	0%	392
1A-24D-4B-1270	185mm Concrete Supporting Layer	06-Dec-12	30	29-Jan-13	0%	391
1A-24D-SIGN-70	point machine mechanical set up	24-Jan-13	30	06-Mar-13	0%	536
TRACKWORK PAVEMENT (BETWEEN AND OUTWITH RAILS)		11-Feb-13	3	13-Feb-13		418
1A-24D-4B-1280	110mm Roadbase	11-Feb-13	1	11-Feb-13	0%	418
1A-24D-4B-1290	55mm Basecourse	12-Feb-13	1	12-Feb-13	0%	418
1A-24D-4B-1300	35mm Wearing Course	13-Feb-13	1	13-Feb-13	0%	418
CENTRAL RESERVE AND BOUNDARY		30-Jan-13	8	08-Feb-13		418
1A-24D-4B-1310	Kerbing to Central Reserve (outwith rails-K17) & islands (excl Tramstop)	30-Jan-13	7	07-Feb-13	0%	418
1A-24D-4B-1320	Sub-base to Central Reserve	06-Feb-13	3	08-Feb-13	0%	418
CARRIAGEWAY / FOOTWAY PAVEMENT CONSTRUCTION		31-Jul-12	162	27-Mar-13		391
1A-24D-4B-1330	COMMENCE ROAD WORKS (CH. 830-1080)	31-Jul-12	0		0%	438
1A-24D-4B-1340	ROAD WORKS COMPLETE (CH. 830-1080)		0	27-Mar-13	0%	391
OUTBOUND		31-Jul-12	133	14-Feb-13		420
1A-24D-4B-1350	Plane Main Carriageway & Footway	31-Jul-12	4	03-Aug-12	0%	438
1A-24D-4B-1360	Plane/break/excavate to Formation	07-Aug-12	6	14-Aug-12	0%	438
1A-24D-4B-1370	Capping layer (600mm)	08-Aug-12	6	15-Aug-12	0%	438
1A-24D-4B-1380	Drainage and Outfalls	09-Aug-12	6	16-Aug-12	0%	471
1A-24D-4B-1390	Ducts and Chambers	09-Aug-12	6	16-Aug-12	0%	471
1A-24D-4B-1400	Kerbing	30-Jan-13	7	07-Feb-13	0%	391
1A-24D-4B-1410	Footpath Works	01-Feb-13	10	14-Feb-13	0%	420
SURFACING		08-Feb-13	4	13-Feb-13		391
1A-24D-4B-1420	220mm Sub-base	08-Feb-13	1	08-Feb-13	0%	391
1A-24D-4B-1430	225mm Base	11-Feb-13	1	11-Feb-13	0%	391
1A-24D-4B-1440	60mm Binder Course	12-Feb-13	1	12-Feb-13	0%	391
1A-24D-4B-1450	35mm Surface Course - Main Carriageway and Boundary	13-Feb-13	1	13-Feb-13	0%	391
INBOUND		14-Feb-13	25	20-Mar-13		396
1A-24D-4B-1460	Plane Main Carriageway & Footway	14-Feb-13	4	19-Feb-13	0%	391
1A-24D-4B-1470	Plane/break/excavate to Formation	20-Feb-13	6	27-Feb-13	0%	391
1A-24D-4B-1480	Capping layer (600mm)	21-Feb-13	6	28-Feb-13	0%	392
1A-24D-4B-1490	Drainage and Outfalls	22-Feb-13	6	01-Mar-13	0%	391
1A-24D-4B-1500	Ducts and Chambers	22-Feb-13	6	01-Mar-13	0%	391
1A-24D-4B-1510	Kerbing	01-Mar-13	7	11-Mar-13	0%	391
1A-24D-4B-1520	Footpath Works	05-Mar-13	12	20-Mar-13	0%	396
SURFACING		12-Mar-13	4	15-Mar-13		391

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Update Programme

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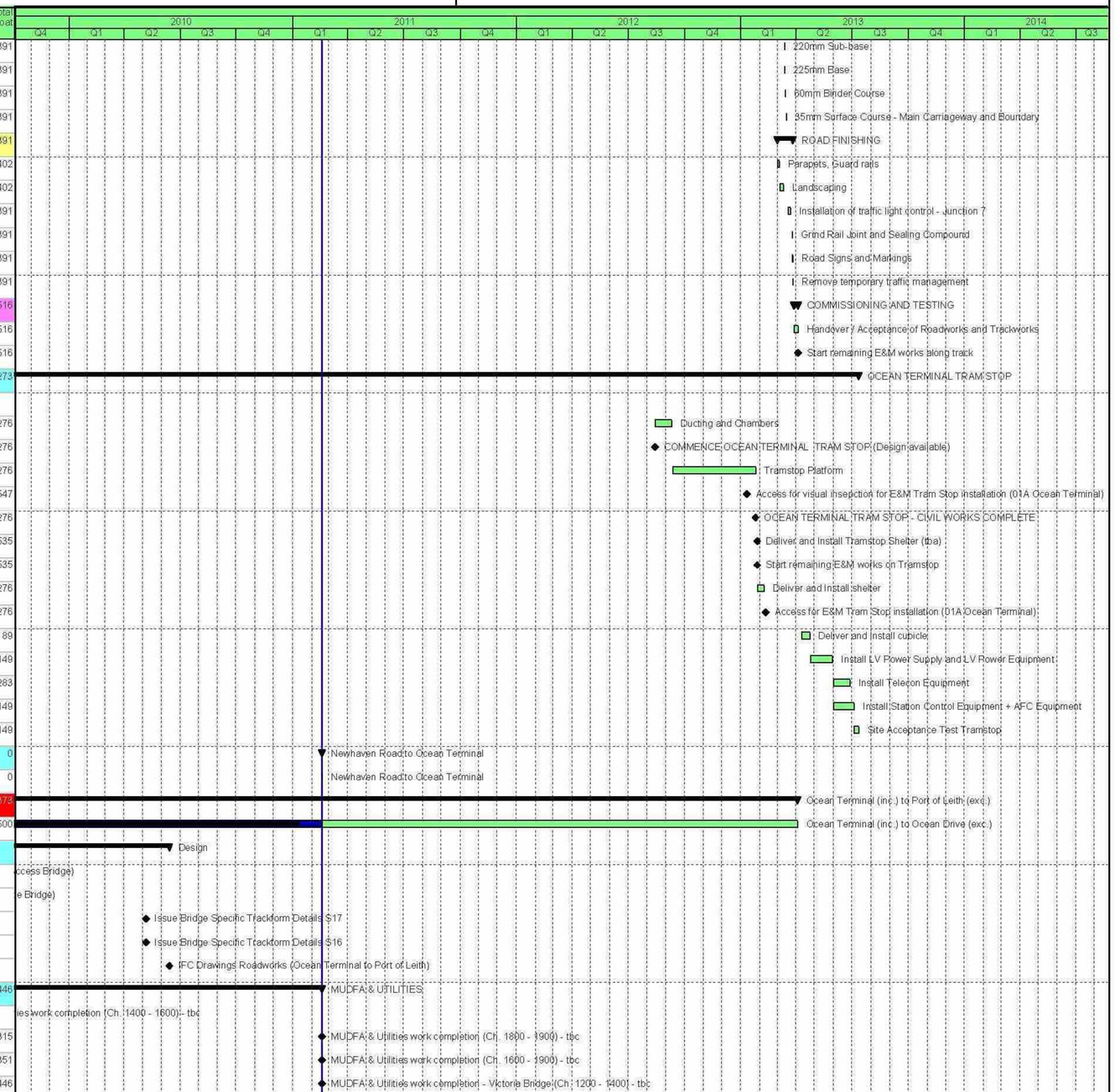
EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-24D-4B-1530	220mm Sub-base	12-Mar-13	1	12-Mar-13	0%	391
1A-24D-4B-1540	225mm Base	13-Mar-13	1	13-Mar-13	0%	391
1A-24D-4B-1550	60mm Binder Course	14-Mar-13	1	14-Mar-13	0%	391
1A-24D-4B-1560	35mm Surface Course - Main Carriageway and Boundary	15-Mar-13	1	15-Mar-13	0%	391
ROAD FINISHING		01-Mar-13	19	27-Mar-13		391
1A-24D-4B-1570	Parapets, Guard rails	01-Mar-13	2	04-Mar-13	0%	402
1A-24D-4B-1580	Landscaping	05-Mar-13	5	11-Mar-13	0%	402
1A-24D-4B-1590	Installation of traffic light control - Junction 7	18-Mar-13	5	22-Mar-13	0%	391
1A-24D-4B-1600	Grind Rail Joint and Sealing Compound	25-Mar-13	1	25-Mar-13	0%	391
1A-24D-4B-1610	Road Signs and Markings	26-Mar-13	1	26-Mar-13	0%	391
1A-24D-4B-1620	Remove temporary traffic management	27-Mar-13	1	27-Mar-13	0%	391
COMMISSIONING AND TESTING		28-Mar-13	5	05-Apr-13		516
1A-24D-4B-TEST-100	Handover / Acceptance of Roadworks and Trackworks	28-Mar-13	5	04-Apr-13	0%	516
1A-24D-4B-TEST-110	Start remaining E&M works along track	05-Apr-13	0		0%	516
OCEAN TERMINAL TRAM STOP		25-Mar-09 A	246	11-Jul-13		273
1A-23-TRMS-20(3)	Order REC Supply	25-Mar-09 A	0		100%	
1A-23-4B-TS-1010	Ducting and Chambers	14-Aug-12	20	10-Sep-12	0%	276
1A-23-4B-TS-1000	COMMENCE OCEAN TERMINAL TRAM STOP (Design available)	14-Aug-12	0		0%	276
1A-23-4B-TS-1020	Tramstop Platform	11-Sep-12	90	25-Jan-13	0%	276
1A-23-TRMS-30(3)	Access for visual insepction for E&M Tram Stop installation (01A Ocean Terminal)	10-Jan-13	0		0%	547
1A-23-4B-TS-1030	OCEAN TERMINAL TRAM STOP - CIVIL WORKS COMPLETE		0	25-Jan-13	0%	276
1A-23-4B-TS-1040	Deliver and Install Tramstop Shelter (tba)	28-Jan-13	0		0%	535
1A-23-4B-TS-1050	Start remaining E&M works on Tramstop	28-Jan-13	0		0%	535
1A-23-TRMS-40(3)	Deliver and Install shelter	28-Jan-13	10	08-Feb-13	0%	276
1A-23-TRMS-31(3)	Access for E&M Tram Stop installation (01A Ocean Terminal)	11-Feb-13	0		0%	276
1A-23-TRMS-45	Deliver and Install cubicle	10-Apr-13	10	23-Apr-13	0%	89
1A-23-TRMS-50(3)	Install LV Power Supply and LV Power Equipment	24-Apr-13*	25	30-May-13	0%	149
1A-23-TRMS-70(3)	Install Telecon Equipment	31-May-13	20	27-Jun-13	0%	283
1A-23-TRMS-60(3)	Install Station Control Equipment + AFC Equipment	31-May-13	25	04-Jul-13	0%	149
1A-23-TRMS-80(3)	Site Acceptance Test Tramstop	05-Jul-13	5	11-Jul-13	0%	149
Newhaven Road to Ocean Terminal		18-Feb-11	0	18-Feb-11		0
41	Newhaven Road to Ocean Terminal	18-Feb-11	0	18-Feb-11	0%	0
Ocean Terminal (inc.) to Port of Leith (exc.)		10-Nov-08 A	1035	03-Apr-13		373
9	Ocean Terminal (inc.) to Ocean Drive (exc.)	10-Nov-08 A	1531	03-Apr-13	49.38%	500
Design		10-Nov-08 A	362	14-Jun-10 A		
12030	Issue Construction Drawings (Victoria Dock Access Bridge)		0	10-Nov-08 A	100%	
12040	Issue Construction Drawings (Tower Place Bridge)		0	10-Dec-08 A	100%	
1A-3-DSG-TRCK-120	Issue Bridge Specific Trackform Details S17		0	07-May-10 A	100%	
1A-3-DSG-TRCK-110	Issue Bridge Specific Trackform Details S16		0	07-May-10 A	100%	
1A-3-DSG-ROAD-100	IFC Drawings Roadworks (Ocean Terminal to Port of Leith)		0	14-Jun-10 A	100%	
MUDFA & UTILITIES		10-Jun-09 A	238	18-Feb-11		446
1A-MUDFA-01	MUDFA & Utilities work completion (Ch. 1400 - 1600) - tbc		0	10-Jun-09 A	100%	
1A-MUDFA-01A	MUDFA & Utilities work completion (Ch. 1800 - 1900) - tbc		0	18-Feb-11*	0%	315
1A-MUDFA-02	MUDFA & Utilities work completion (Ch. 1600 - 1900) - tbc		0	18-Feb-11*	0%	351
1A-MUDFA-03B	MUDFA & Utilities work completion - Victoria Bridge (Ch. 1200 - 1400) - tbc		0	18-Feb-11*	0%	446



Date	Revision	Checked	Approved
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EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-MUDFA-03A	MUDFA & Utilities work completion (Ch. 1100 - 1200) - tbc		0	18-Feb-11*	0%	378
SECTION WIDE (OFF TTM)		18-Feb-11	73	03-Jun-11		795
1A-24-CHGE-110	Agreement of Change (BDDI-IFC) - S17 Tower Pl Bridge	18-Feb-11	0	18-Feb-11	0%	249
1A-24-CHGE-120	Agreement of Change (BDDI-IFC) - Roadwork	18-Feb-11	0	18-Feb-11	0%	380
1A-24-CHGE-130	Agreement of Change (BDDI-IFC) - Trackwork	18-Feb-11	0	18-Feb-11	0%	415
1A-24-CHGE-140	Agreement of Change (BDDI-IFC) - Victoria Dock Ent Bridge	18-Feb-11	0	18-Feb-11	0%	446
1A-24-CHGE-150	Agreement of Change (BDDI-IFC) - Casino Access Road	18-Feb-11	0	18-Feb-11	0%	315
1A-24-CHGE-160	Agreement of Change (BDDI-IFC) - Port of Leith TS	18-Feb-11	0	18-Feb-11	0%	375
Ocean Terminal Bypass Road (By others?)		18-Feb-11	73	03-Jun-11		795
TTM PHASE 3A (CH. ~ 1080-1200)		18-Feb-11	242	13-Feb-12		770
1A-23B-TTM-03A-1020	Road 8 available		0	18-Feb-11*	0%	368
1A-23B-TTM-03A-1000	TTM PHASE 3A - Road closed (Ch.1080-1200)	01-Apr-11	0		0%	368
1A-23B-TTM-03A-1010	TTM PHASE 3A COMPLETE		0	10-Feb-12	0%	368
TEMPORARY AND PRELIMINARY WORKS		01-Apr-11	5	07-Apr-11		368
1A-23B-3A-1000	Site clearance	01-Apr-11	2	04-Apr-11	0%	368
1A-23B-3A-1010	Investigate services / outfall positions / inlet-outlet positions / levels	05-Apr-11	3	07-Apr-11	0%	368
TRACK IMPROVEMENT		05-Apr-11	39	01-Jun-11		377
1A-23B-3A-1020	COMMENCE TRACK WORKS (CH. 1080-1200)	05-Apr-11	0		0%	368
1A-23B-3A-1030	Remove existing footway/islands etc.	05-Apr-11	3	07-Apr-11	0%	368
1A-23B-3A-1040	Plane out existing surfacing over Trams Footprint (1st cut)	08-Apr-11	2	11-Apr-11	0%	368
1A-23B-3A-1050	Carry out inspection and testing of Subgrade	12-Apr-11	1	12-Apr-11	0%	368
1A-23B-3A-1060	Sawcut Separation - Tram Ducts Outer Edge	12-Apr-11	3	14-Apr-11	0%	368
1A-23B-3A-1070	Break Out / Excavate to formation of Tram Footprint (2nd cut)	13-Apr-11	6	20-Apr-11	0%	368
1A-23B-3A-1080	Place Sub-base Type 1	13-Apr-11	6	20-Apr-11	0%	375
1A-3A-1100	Tram Ducts & Chambers	20-Apr-11	10	05-May-11	0%	369
1A-3A-1090	Drainage and Outfalls	21-Apr-11	10	06-May-11	0%	368
1A-3A-1110	Excavate and Cast OLE Foundations (5 nos)	21-Apr-11	10	06-May-11	0%	375
1A-3A-1120	Lay SL Duct to OLE	26-Apr-11	8	06-May-11	0%	381
1A-3A-1130	Prepare and check suitability of Formation	09-May-11	10	20-May-11	0%	368
1A-3A-1150	Track Improvement Layer - Outbound	11-May-11	11	25-May-11	0%	368
1A-3A-1140	Installation of IMU Drains and Cable Ducting	11-May-11	10	24-May-11	0%	382
1A-3A-1160	Track Improvement Layer - Inbound	17-May-11	11	01-Jun-11	0%	375
TRACK INSTALLATION		26-May-11	158	18-Jan-12		380
1A-3A-1170	TRACK WORKS COMPLETE (CH. 1650-1880)		0	18-Jan-12	0%	380
INBOUND/OUTBOUND		26-May-11	158	18-Jan-12		368
1A-3A-1180	Access Available for Track Laying	26-May-11	0		0%	368
1A-23B-TRCK-70-1190	Set Up track (sleepers/rail) - 2 x 120m	16-Dec-11	9	11-Jan-12	0%	368
1A-3A-1200	Welding and grinding	20-Dec-11	7	11-Jan-12	0%	368
1A-3A-1210	Drainage / Rail Connections	20-Dec-11	7	11-Jan-12	0%	368
1A-3A-1220	Final Rail Alignment - Check and Approve	20-Dec-11	7	11-Jan-12	0%	368
1A-23B-SIGN-60-1230	Installation of IMU Boxes and Loops	21-Dec-11	3	23-Dec-11	0%	369
1A-3A-1240	185mm Concrete Supporting Layer	22-Dec-11	10	18-Jan-12	0%	368
TRACKWORK PAVEMENT (BETWEEN AND OUTWITH RAILS)		24-Jan-12	3	26-Jan-12		371
1A-3A-1250	110mm Roadbase	24-Jan-12	1	24-Jan-12	0%	371
1A-3A-1260	55mm Basecourse	25-Jan-12	1	25-Jan-12	0%	371

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

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

BFB00003289_0089

Update Programme

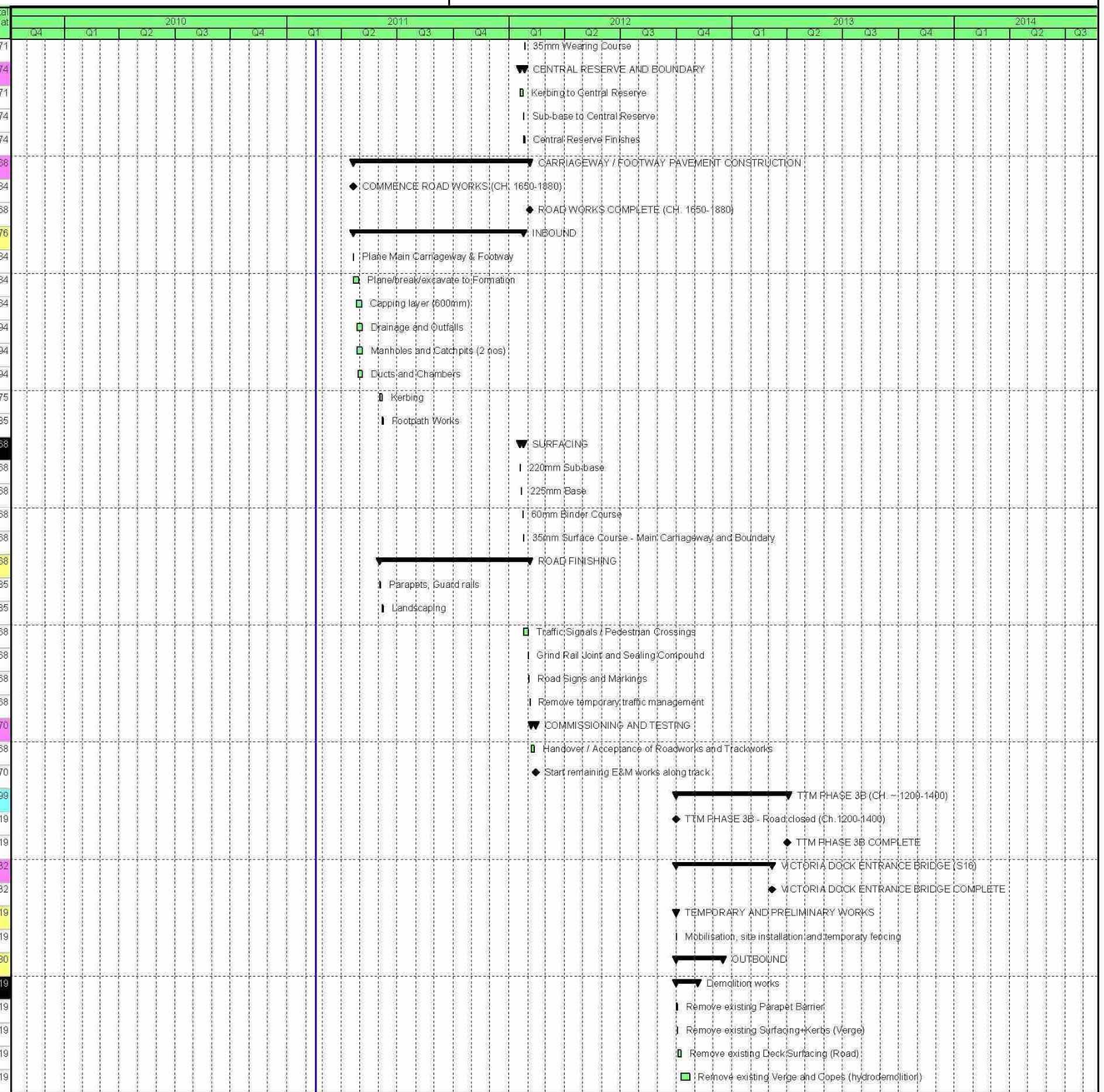
Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-3A-1270	35mm Wearing Course	26-Jan-12	1	26-Jan-12	0%	371
CENTRAL RESERVE AND BOUNDARY		19-Jan-12	6	26-Jan-12		374
1A-3A-1280	Kerbing to Central Reserve	19-Jan-12	3	23-Jan-12	0%	371
1A-3A-1290	Sub-base to Central Reserve	24-Jan-12	1	24-Jan-12	0%	374
1A-3A-1300	Central Reserve Finishes	25-Jan-12	2	26-Jan-12	0%	374
CARRIAGEWAY / FOOTWAY PAVEMENT CONSTRUCTION		20-Apr-11	194	03-Feb-12		368
1A-3A-1310	COMMENCE ROAD WORKS (CH. 1650-1880)	20-Apr-11	0		0%	384
1A-3A-1320	ROAD WORKS COMPLETE (CH. 1650-1880)		0	03-Feb-12	0%	368
INBOUND		20-Apr-11	186	24-Jan-12		376
1A-3A-1330	Plane Main Carriageway & Footway	20-Apr-11	1	20-Apr-11	0%	384
1A-3A-1340	Plane/break/excavate to Formation	21-Apr-11	6	29-Apr-11	0%	384
1A-3A-1350	Capping layer (600mm)	25-Apr-11	6	03-May-11	0%	384
1A-3A-1360	Drainage and Outfalls	26-Apr-11	6	04-May-11	0%	394
1A-3A-1370	Manholes and Catchpits (2 nos)	26-Apr-11	6	04-May-11	0%	394
1A-3A-1380	Ducts and Chambers	28-Apr-11	4	04-May-11	0%	394
1A-3A-1390	Kerbing	02-Jun-11	3	06-Jun-11	0%	375
1A-3A-1400	Footpath Works	07-Jun-11	2	08-Jun-11	0%	385
SURFACING		19-Jan-12	4	24-Jan-12		368
1A-3A-1410	220mm Sub-base	19-Jan-12	1	19-Jan-12	0%	368
1A-3A-1420	225mm Base	20-Jan-12	1	20-Jan-12	0%	368
1A-3A-1430	60mm Binder Course	23-Jan-12	1	23-Jan-12	0%	368
1A-3A-1440	35mm Surface Course - Main Carriageway and Boundary	24-Jan-12	1	24-Jan-12	0%	368
ROAD FINISHING		02-Jun-11	166	03-Feb-12		368
1A-3A-1480	Parapets, Guard rails	02-Jun-11	2	03-Jun-11	0%	385
1A-3A-1490	Landscaping	06-Jun-11	2	07-Jun-11	0%	385
1A-3A-1450	Traffic Signals / Pedestrian Crossings	25-Jan-12	5	31-Jan-12	0%	368
1A-3A-1460	Grind Rail Joint and Sealing Compound	01-Feb-12	1	01-Feb-12	0%	368
1A-3A-1470	Road Signs and Markings	02-Feb-12	1	02-Feb-12	0%	368
1A-3A-1500	Remove temporary traffic management	03-Feb-12	1	03-Feb-12	0%	368
COMMISSIONING AND TESTING		06-Feb-12	5	13-Feb-12		770
1A-3A-TEST-100	Handover / Acceptance of Roadworks and Trackworks	06-Feb-12	5	10-Feb-12	0%	368
1A-3A-TEST-110	Start remaining E&M works along track	13-Feb-12	0		0%	770
TTM PHASE 3B (CH. ~ 1200-1400)		01-Oct-12	122	03-Apr-13		499
1A-TTM-03B-1000	TTM PHASE 3B - Road closed (Ch.1200-1400)	01-Oct-12	0		0%	219
1A-TTM-03B-1010	TTM PHASE 3B COMPLETE		0	02-Apr-13	0%	219
VICTORIA DOCK ENTRANCE BRIDGE (S16)		01-Oct-12	105	07-Mar-13		232
1A-3B-S16-1000	VICTORIA DOCK ENTRANCE BRIDGE COMPLETE		0	06-Mar-13	0%	232
TEMPORARY AND PRELIMINARY WORKS		01-Oct-12	1	01-Oct-12		219
1A-3B-S16-1010	Mobilisation, site installation and temporary fencing	01-Oct-12	1	01-Oct-12	0%	219
OUTBOUND		02-Oct-12	55	17-Dec-12		280
Demolition works		02-Oct-12	25	05-Nov-12		219
1A-3B-S16-1020	Remove existing Parapet Barrier	02-Oct-12	1	02-Oct-12	0%	219
1A-3B-S16-1030	Remove existing Surfacing+Kerbs (Verge)	03-Oct-12	1	03-Oct-12	0%	219
1A-3B-S16-1040	Remove existing Deck Surfacing (Road)	04-Oct-12	3	08-Oct-12	0%	219
1A-3B-S16-1050	Remove existing Verge and Copes (hydrodemolition)	09-Oct-12	10	22-Oct-12	0%	219



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

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

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Update Programme

Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-3B-S16-1060	Hydrodemolition of Service Voids in East/West Abutments/Diaphragms	23-Oct-12	10	05-Nov-12	0%	219
Construction		06-Nov-12	30	17-Dec-12		280
Bridge Deck		06-Nov-12	25	10-Dec-12		285
1A-3B-S16-1070	RC Bridge deck	06-Nov-12	10	19-Nov-12	0%	219
1A-3B-S16-1080	New RC parapet	20-Nov-12	7	28-Nov-12	0%	219
1A-3B-S16-1090	Install Steel Hangers for Tram Ducts	29-Nov-12	3	03-Dec-12	0%	223
1A-3B-S16-1130	Install Parapet barriers	29-Nov-12	3	03-Dec-12	0%	219
1A-3B-S16-1100	Lay Tram Ducts	04-Dec-12	3	06-Dec-12	0%	223
1A-3B-S16-1140	Paint Parapet barriers???	04-Dec-12	5	10-Dec-12	0%	285
1A-3B-S16-1110	OLE foundations (2nr)	06-Dec-12	1	06-Dec-12	0%	223
1A-3B-S16-1120	OLE Pole/Lighting Columns (2nr)	07-Dec-12	1	07-Dec-12	0%	223
Footway (North)		04-Dec-12	10	17-Dec-12		219
1A-3B-S16-1150	Waterproofing (North side)	04-Dec-12	1	04-Dec-12	0%	219
1A-3B-S16-1160	Red sand asphalt (Verge)	05-Dec-12	1	05-Dec-12	0%	219
1A-3B-S16-1170	Kerbing	06-Dec-12	1	06-Dec-12	0%	219
1A-3B-S16-1180	Permanent services (by others)	07-Dec-12	5	13-Dec-12	0%	219
1A-3B-S16-1190	Infill concrete layer	14-Dec-12	1	14-Dec-12	0%	219
1A-3B-S16-1200	Pedestrian paving	17-Dec-12	1	17-Dec-12	0%	219
INBOUND		17-Dec-12	50	07-Mar-13		232
Demolition works		17-Dec-12	22	28-Jan-13		219
1A-3B-S16-1210	Remove existing Parapet Barrier	17-Dec-12	1	17-Dec-12	0%	219
1A-3B-S16-1220	Remove existing Surfacing+Kerbs (Footway/Cycleway)	18-Dec-12	1	18-Dec-12	0%	219
1A-3B-S16-1230	Remove existing Verge and Copes (hydrodemolition)	19-Dec-12	10	14-Jan-13	0%	219
1A-3B-S16-1240	Hydrodemolition of Service Voids in East/West Abutments/Diaphragms	15-Jan-13	10	28-Jan-13	0%	219
Construction		29-Jan-13	28	07-Mar-13		232
Bridge Deck		29-Jan-13	27	06-Mar-13		232
1A-3B-S16-1250	RC Bridge deck	29-Jan-13	10	11-Feb-13	0%	219
1A-3B-S16-1260	New RC parapet	12-Feb-13	10	25-Feb-13	0%	219
1A-3B-S16-1270	Install Steel Hangers for Tram Ducts	26-Feb-13	2	27-Feb-13	0%	232
1A-3B-S16-1290	Install Parapet barriers	26-Feb-13	2	27-Feb-13	0%	232
1A-3B-S16-1280	Lay Tram Ducts	28-Feb-13	3	04-Mar-13	0%	232
1A-3B-S16-1300	Paint Parapet barriers???	28-Feb-13	5	06-Mar-13	0%	232
Cycleway / Footway (South)		26-Feb-13	8	07-Mar-13		232
1A-3B-S16-1310	Waterproofing (South side and Trackway)	26-Feb-13	1	26-Feb-13	0%	232
1A-3B-S16-1320	Red sand asphalt	27-Feb-13	1	27-Feb-13	0%	232
1A-3B-S16-1330	Kerbing	28-Feb-13	1	28-Feb-13	0%	232
1A-3B-S16-1340	Permanent services (by others?)	01-Mar-13	5	07-Mar-13	0%	232
1A-3B-S16-1350	Infill concrete layer	05-Mar-13	1	05-Mar-13	0%	232
1A-3B-S16-1360	Surfacing	06-Mar-13	1	06-Mar-13	0%	232
ROAD- /TRACKWORKS (Ch. 1200 - 1400)		02-Oct-12	116	25-Mar-13		219
TEMPORARY AND PRELIMINARY WORKS		02-Oct-12	5	08-Oct-12		261
1A-3B-1000	Site clearance	02-Oct-12	2	03-Oct-12	0%	261
1A-3B-1010	Investigate services / outfall positions / inlet-outlet positions / levels	04-Oct-12	3	08-Oct-12	0%	261
TRACK IMPROVEMENT		04-Oct-12	52	14-Dec-12		261
1A-3B-1020	COMMENCE TRACK WORKS (CH. 1200-1400)	04-Oct-12	0		0%	262

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

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

BFB00003289_0091

Update Programme

Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-3B-1030	Remove existing footway/islands etc.	04-Oct-12	2	05-Oct-12	0%	262
1A-3B-1040	Plane out existing surfacing over Trams Footprint (1st cut)	09-Oct-12	2	10-Oct-12	0%	261
1A-3B-1050	Carry out inspection and testing of Subgrade	11-Oct-12	1	11-Oct-12	0%	261
1A-3B-1060	Sawcut Separation - Tram Ducts Outer Edge	11-Oct-12	3	15-Oct-12	0%	261
1A-3B-1070	Break Out / Excavate to formation of Tram Footprint (2nd cut)	12-Oct-12	7	22-Oct-12	0%	261
1A-3B-1080	Place Sub-base Type 1	12-Oct-12	7	22-Oct-12	0%	263
1A-3B-1100	Tram Ducts & Chambers	19-Oct-12	8	30-Oct-12	0%	262
1A-3B-1090	Drainage and Outfalls	22-Oct-12	8	31-Oct-12	0%	261
1A-3B-1110	Excavate and Cast OLE Foundations (8 nos)	23-Oct-12	22	21-Nov-12	0%	263
1A-3B-1130	Prepare and check suitability of Formation	01-Nov-12	15	21-Nov-12	0%	261
1A-3B-1150	Track Improvement Layer - Outbound	05-Nov-12	15	23-Nov-12	0%	261
1A-3B-1140	Installation of IMU Drains and Cable Ducting - Outbound	05-Nov-12	5	09-Nov-12	0%	284
1A-3B-1120	Lay SL Duct to OLE	12-Nov-12	8	21-Nov-12	0%	263
1A-3B-1170	Track Improvement Layer - Inbound	26-Nov-12	15	14-Dec-12	0%	261
1A-3B-1160	Installation of IMU Drains and Cable Ducting - Inbound	26-Nov-12	5	30-Nov-12	0%	271
TRACK INSTALLATION		29-Nov-12	74	25-Mar-13		219
1A-3B-1180	TRACK WORKS COMPLETE (CH. 1200-1400)		0	25-Mar-13	0%	219
OUTBOUND		29-Nov-12	20	08-Jan-13		259
1A-3B-1190	Access Available for Track Laying	29-Nov-12	0		0%	259
1A-23A-TRCK-90-1200	Set Up track (sleepers/rail) - 1 x 200m	29-Nov-12	8	10-Dec-12	0%	259
1A-3B-1210	Welding and grinding	03-Dec-12	5	07-Dec-12	0%	259
1A-3B-1220	Drainage / Rail Connections	03-Dec-12	5	07-Dec-12	0%	263
1A-3B-1240	Installation of IMU Boxes and Loops	04-Dec-12	2	05-Dec-12	0%	264
1A-3B-1230	Final Rail Alignment - Check and Approve	07-Dec-12	1	07-Dec-12	0%	259
1A-3B-1250	185mm Concrete Supporting Layer	11-Dec-12	12	08-Jan-13	0%	259
INBOUND		26-Feb-13	20	25-Mar-13		219
1A-3B-1260	Access Available for Track Laying	26-Feb-13	0		0%	219
1A-23A-TRCK-70-1270	Set Up track (sleepers/rail) - 1 x 200m	26-Feb-13	8	07-Mar-13	0%	219
1A-3B-1280	Welding and grinding	28-Feb-13	5	06-Mar-13	0%	219
1A-3B-1290	Drainage / Rail Connections	28-Feb-13	5	06-Mar-13	0%	223
1A-3B-1310	Installation of IMU Boxes and Loops	01-Mar-13	2	04-Mar-13	0%	224
1A-3B-1300	Final Rail Alignment - Check and Approve	06-Mar-13	1	06-Mar-13	0%	219
1A-3B-1320	185mm Concrete Supporting Layer	08-Mar-13	12	25-Mar-13	0%	219
TRACKWORK PAVEMENT (BETWEEN AND OUTWITH RAILS)		11-Jan-13	3	15-Jan-13		263
1A-3B-1330	110mm Roadbase	11-Jan-13	1	11-Jan-13	0%	263
1A-3B-1340	55mm Basecourse	14-Jan-13	1	14-Jan-13	0%	263
1A-3B-1350	35mm Wearing Course	15-Jan-13	1	15-Jan-13	0%	263
CENTRAL RESERVE AND BOUNDARY		09-Jan-13	10	22-Jan-13		263
1A-3B-1360	Kerbing to Central Reserve	09-Jan-13	2	10-Jan-13	0%	263
1A-3B-1370	Sub-base to Central Reserve	11-Jan-13	1	11-Jan-13	0%	263
1A-3B-1380	Central Reserve Finishes	14-Jan-13	7	22-Jan-13	0%	263
CARRIAGEWAY / FOOTWAY PAVEMENT CONSTRUCTION		22-Oct-12	101	22-Mar-13		220
1A-3B-1390	COMMENCE ROAD WORKS (CH. 1650-1880)	22-Oct-12	0		0%	293
1A-3B-1400	ROAD WORKS COMPLETE (CH. 1650-1880)		0	22-Mar-13	0%	220
INBOUND (West of the Bridge)		22-Oct-12	52	14-Jan-13		269

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

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

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Update Programme

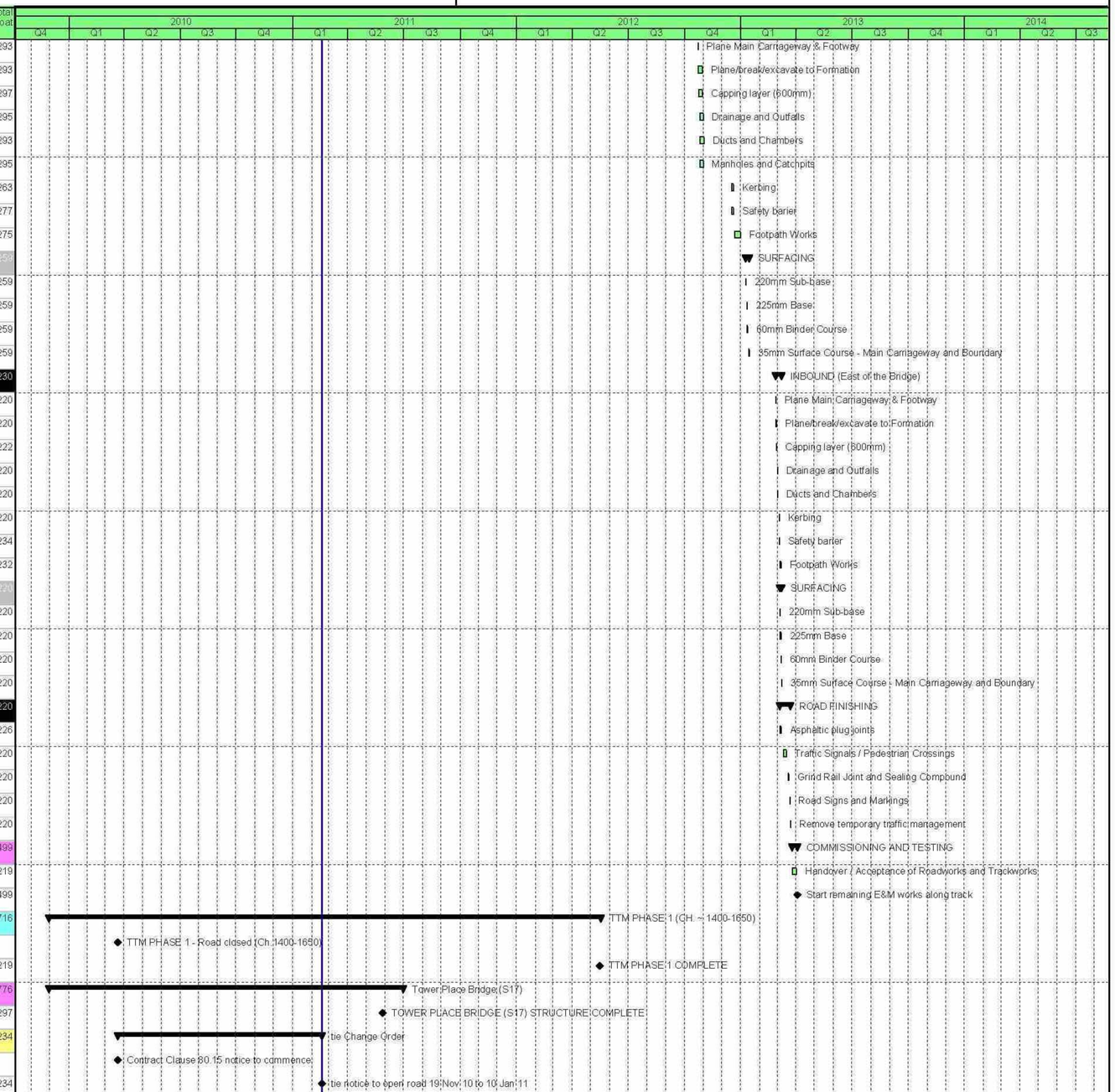
Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-3B-1410	Plane Main Carriageway & Footway	22-Oct-12	1	22-Oct-12	0%	293
1A-3B-1420	Plane/break/excavate to Formation	23-Oct-12	5	29-Oct-12	0%	293
1A-3B-1430	Capping layer (600mm)	24-Oct-12	5	30-Oct-12	0%	297
1A-3B-1440	Drainage and Outfalls	25-Oct-12	5	31-Oct-12	0%	295
1A-3B-1460	Ducts and Chambers	25-Oct-12	7	02-Nov-12	0%	293
1A-3B-1450	Manholes and Catchpits	25-Oct-12	5	31-Oct-12	0%	295
1A-3B-1470	Kerbing	17-Dec-12	4	20-Dec-12	0%	263
1A-3B-1480	Safety barier	17-Dec-12	4	20-Dec-12	0%	277
1A-3B-1490	Footpath Works	21-Dec-12	2	31-Dec-12	0%	275
SURFACING		09-Jan-13	4	14-Jan-13		257
1A-3B-1500	220mm Sub-base	09-Jan-13	1	09-Jan-13	0%	259
1A-3B-1510	225mm Base	10-Jan-13	1	10-Jan-13	0%	259
1A-3B-1520	60mm Binder Course	11-Jan-13	1	11-Jan-13	0%	259
1A-3B-1530	35mm Surface Course - Main Carriageway and Boundary	14-Jan-13	1	14-Jan-13	0%	259
INBOUND (East of the Bridge)		26-Feb-13	9	08-Mar-13		230
1A-3B-1540	Plane Main Carriageway & Footway	26-Feb-13	1	26-Feb-13	0%	220
1A-3B-1550	Plane/break/excavate to Formation	27-Feb-13	1	27-Feb-13	0%	220
1A-3B-1560	Capping layer (600mm)	28-Feb-13	1	28-Feb-13	0%	222
1A-3B-1570	Drainage and Outfalls	01-Mar-13	1	01-Mar-13	0%	220
1A-3B-1580	Ducts and Chambers	01-Mar-13	1	01-Mar-13	0%	220
1A-3B-1590	Kerbing	04-Mar-13	1	04-Mar-13	0%	220
1A-3B-1600	Safety barier	04-Mar-13	1	04-Mar-13	0%	234
1A-3B-1610	Footpath Works	05-Mar-13	2	06-Mar-13	0%	232
SURFACING		05-Mar-13	4	08-Mar-13		227
1A-3B-1620	220mm Sub-base	05-Mar-13	1	05-Mar-13	0%	220
1A-3B-1630	225mm Base	06-Mar-13	1	06-Mar-13	0%	220
1A-3B-1640	60mm Binder Course	07-Mar-13	1	07-Mar-13	0%	220
1A-3B-1650	35mm Surface Course - Main Carriageway and Boundary	08-Mar-13	1	08-Mar-13	0%	220
ROAD FINISHING		05-Mar-13	14	22-Mar-13		220
1A-3B-1660	Asphaltic plug joints	05-Mar-13	3	07-Mar-13	0%	226
1A-3B-1670	Traffic Signals / Pedestrian Crossings	11-Mar-13	5	15-Mar-13	0%	220
1A-3B-1680	Grind Rail Joint and Sealing Compound	18-Mar-13	3	20-Mar-13	0%	220
1A-3B-1690	Road Signs and Markings	21-Mar-13	1	21-Mar-13	0%	220
1A-3B-1700	Remove temporary traffic management	22-Mar-13	1	22-Mar-13	0%	220
COMMISSIONING AND TESTING		26-Mar-13	5	03-Apr-13		499
1A-3B-TEST-100	Handover / Acceptance of Roadworks and Trackworks	26-Mar-13	5	02-Apr-13	0%	219
1A-3B-TEST-110	Start remaining E&M works along track	03-Apr-13	0		0%	499
TTM PHASE 1 (CH. ~ 1400-1650)		30-Nov-09 A	532	17-May-12		716
1A-TTM-01-1000	TTM PHASE 1 - Road closed (Ch.1400-1650)	22-Mar-10 A	0		100%	
1A-TTM-01-1010	TTM PHASE 1 COMPLETE		0	16-May-12	0%	219
Tower Place Bridge (S17)		30-Nov-09 A	316	30-Jun-11		776
1A-1-S17-1000	TOWER PLACE BRIDGE (S17) STRUCTURE COMPLETE		0	27-May-11	0%	297
tie Change Order		22-Mar-10 A	224	18-Feb-11		234
1A-1-S17-2060	Contract Clause 80.15 notice to commence		0	22-Mar-10 A	100%	
1A-1-S17-2070	tie notice to open road 19 Nov 10 to 10 Jan 11		0	18-Feb-11*	0%	234



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

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

BFB00003289_0093

Update Programme

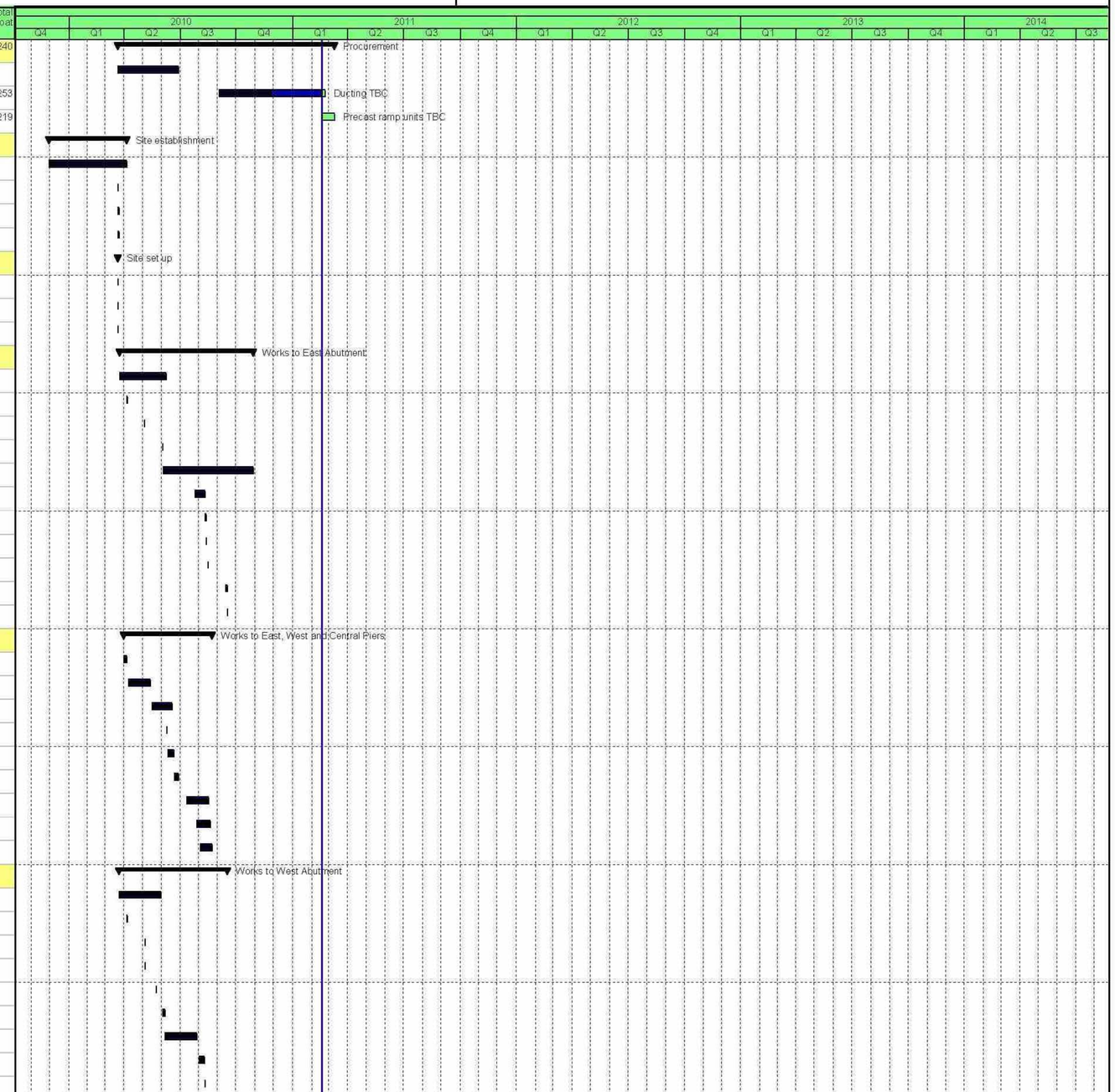
Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
Procurement		22-Mar-10 A	239	10-Mar-11		240
1A-1-S17-1010	Precast beams TBC	22-Mar-10 A	69	29-Jun-10 A	100%	
1A-1-S17-1030	Ducting TBC	03-Sep-10 A	5	22-Feb-11	50%	253
1A-1-S17-1020	Precast ramp units TBC	18-Feb-11	15	10-Mar-11	0%	219
Site establishment		30-Nov-09 A	15	05-Apr-10 A		
1A-1-S17-1040	Form site compound	30-Nov-09 A	5	05-Apr-10 A	100%	
1A-1-S17-1050	Mobilize to site	22-Mar-10 A	15	23-Mar-10 A	100%	
1A-1-S17-1060	Condition/delapidation survey	22-Mar-10 A	1	23-Mar-10 A	100%	
1A-1-S17-1070	Divert services to North footway (by others)	22-Mar-10 A	1	23-Mar-10 A	100%	
Site set up		22-Mar-10 A	1	23-Mar-10 A		
1A-1-S17-1080	Traffic management to Ocean Drive	22-Mar-10 A	1	23-Mar-10 A	100%	
1A-1-S17-1090	Heras fencing to area of works	22-Mar-10 A	1	23-Mar-10 A	100%	
1A-1-S17-1100	Establish all pedestrian routes	22-Mar-10 A	1	23-Mar-10 A	100%	
Works to East Abutment		25-Mar-10 A	134	29-Oct-10 A		
1A-1-S17-1120	Excavate new pilecap and expose existing abutment structure	25-Mar-10 A	1	08-Jun-10 A	100%	
1A-1-S17-1110	Remove amco barrier and timber decking	06-Apr-10 A	1	06-Apr-10 A	100%	
1A-1-S17-1150	Install 1 Nr 864mm diameter tubular steel pile	04-May-10 A	5	04-May-10 A	100%	
1A-1-S17-1130	Install temporary works to excavation	03-Jun-10 A	1	03-Jun-10 A	100%	
1A-1-S17-1140	Demolition of existing abutment structure	04-Jun-10 A	10	29-Oct-10 A	100%	
1A-1-S17-1160	Install reinforcement to abutment base	26-Jul-10 A	4	12-Aug-10 A	100%	
1A-1-S17-1170	Construct formwork to abutment base	12-Aug-10 A	2	13-Aug-10 A	100%	
1A-1-S17-1180	Pour concrete to base	13-Aug-10 A	1	13-Aug-10 A	100%	
1A-1-S17-1190	Strip base formwork	16-Aug-10 A	1	16-Aug-10 A	100%	
1A-1-S17-1200	Construct formwork to ballast walls	13-Sep-10 A	2	16-Sep-10 A	100%	
1A-1-S17-1210	Pour concrete to ballast walls	17-Sep-10 A	1	17-Sep-10 A	100%	
Works to East, West and Central Piers		01-Apr-10 A	97	23-Aug-10 A		
1A-1-S17-1260	Fabrication of metal frame used as pilecap formwork	01-Apr-10 A	6	06-Apr-10 A	100%	
1A-1-S17-1250	Install 2 Nr 610 mm diameter piles at each pier	08-Apr-10 A	19	14-May-10 A	100%	
1A-1-S17-1270	Installation of metal frame to form shutter for new pier base	17-May-10 A	5	18-Jun-10 A	100%	
1A-1-S17-1220	Mobilize pontoons to site	10-Jun-10 A	1	10-Jun-10 A	100%	
1A-1-S17-1230	Demolition to expose existing reinforcement on south side of pier	11-Jun-10 A	8	22-Jun-10 A	100%	
1A-1-S17-1240	Dowel bars to existing pile cap	23-Jun-10 A	4	28-Jun-10 A	100%	
1A-1-S17-1280	Installation of prefabricated pier base reinforcement cage	13-Jul-10 A	3	18-Aug-10 A	100%	
1A-1-S17-1290	Pour concrete to bases	28-Jul-10 A	1	20-Aug-10 A	100%	
1A-1-S17-1300	Shutter and pour concrete/grout to bearing plinth	03-Aug-10 A	2	23-Aug-10 A	100%	
Works to West Abutment		24-Mar-10 A	113	17-Sep-10 A		
1A-1-S17-1330	Excavate new pilecap and expose existing abutment structure	24-Mar-10 A	3	31-May-10 A	100%	
1A-1-S17-1370	Install 1 Nr 864mm diameter tubular steel pile	06-Apr-10 A	5	07-Apr-10 A	100%	
1A-1-S17-1310	Break out and dispose of existing dwarf wall	05-May-10 A	1	05-May-10 A	100%	
1A-1-S17-1320	Lift and set aside for reuse existing footway paving	05-May-10 A	1	05-May-10 A	100%	
1A-1-S17-1340	Install temporary works to excavation	24-May-10 A	1	24-May-10 A	100%	
1A-1-S17-1350	Cut Back existing capping beam and sheet piling	03-Jun-10 A	3	07-Jun-10 A	100%	
1A-1-S17-1360	Demolition of existing abutment structure	07-Jun-10 A	10	29-Jul-10 A	100%	
1A-1-S17-1380	Install reinforcement to abutment base	02-Aug-10 A	4	11-Aug-10 A	100%	
1A-1-S17-1390	Construct formwork to abutment base	12-Aug-10 A	2	12-Aug-10 A	100%	



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

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

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Update Programme

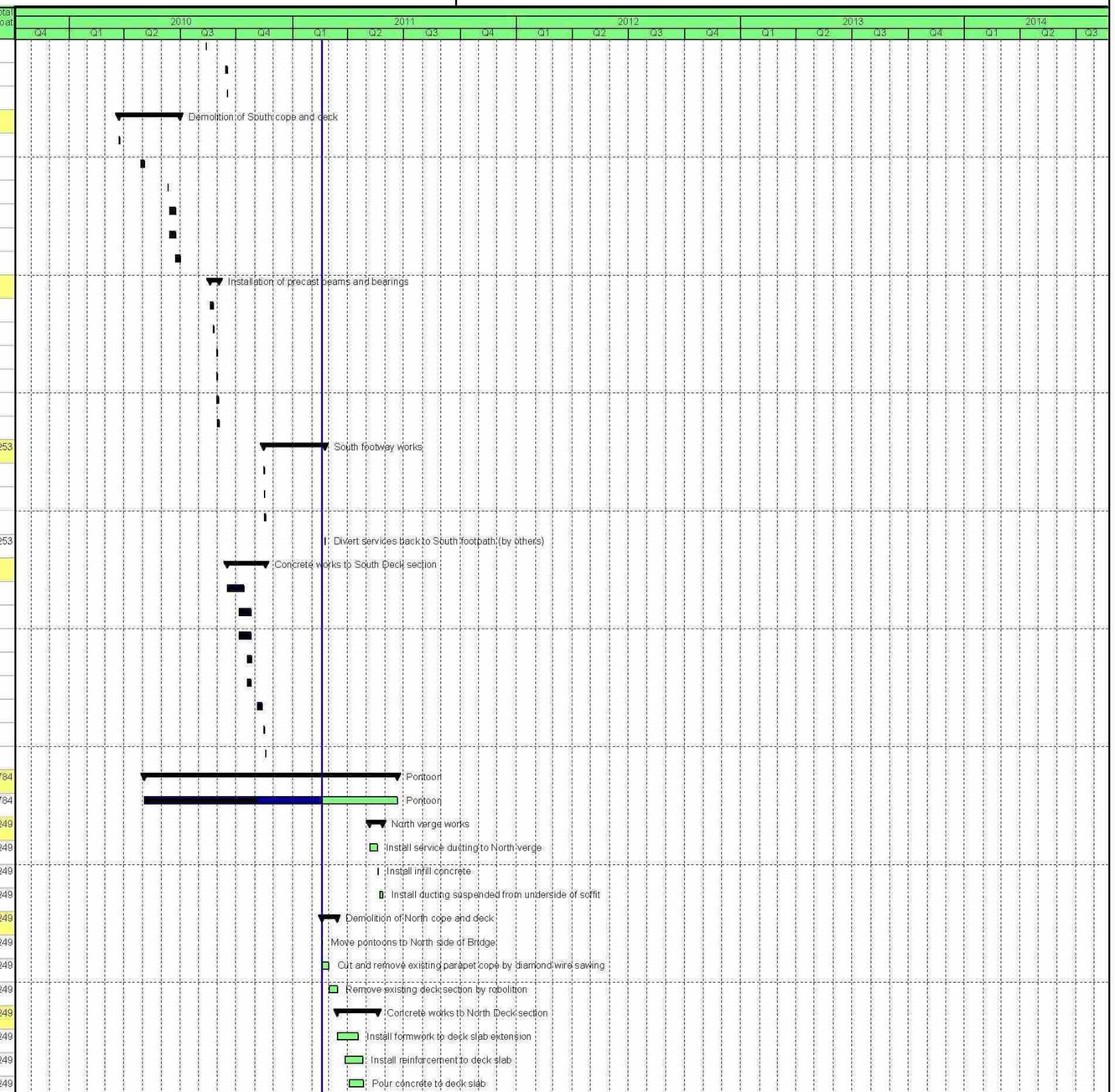
Updated for V67 Design Programme,

and progress to 18 February 2011 .

EDINBURGH TRAM NETWORK

BILFINGER BERGER GMI SIEMENS CAF

Activity ID	Activity Name	Start	Original Duration	Finish	Activity % Complete	Total Float
1A-1-S17-1400	Pour concrete to base	13-Aug-10 A	1	13-Aug-10 A	100%	
1A-1-S17-1410	Construct formwork to ballast walls	13-Sep-10 A	2	17-Sep-10 A	100%	
1A-1-S17-1420	Pour concrete to ballast walls	17-Sep-10 A	1	17-Sep-10 A	100%	
Demolition of South cope and deck		24-Mar-10 A	81	02-Jul-10 A		
1A-1-S17-1440	Remove lighting columns	24-Mar-10 A	1	25-Mar-10 A	100%	
1A-1-S17-1430	Remove existing footway down to concrete deck	28-Apr-10 A	4	04-May-10 A	100%	
1A-1-S17-1470	Set up pontoon under demolition area	11-Jun-10 A	1	11-Jun-10 A	100%	
1A-1-S17-1450	Cut cope section into 3.0m long sections	14-Jun-10 A	4	24-Jun-10 A	100%	
1A-1-S17-1460	Cut and remove existing parapet cope by diamond wire sawing	14-Jun-10 A	4	24-Jun-10 A	100%	
1A-1-S17-1480	Remove existing deck section by robolition	24-Jun-10 A	10	02-Jul-10 A	100%	
Installation of precast beams and bearings		20-Aug-10 A	20	03-Sep-10 A		
1A-1-S17-1490	Erection of temporary works to support beams	20-Aug-10 A	4	25-Aug-10 A	100%	
1A-1-S17-1500	Bearing base plates grouted into position	24-Aug-10 A	3	26-Aug-10 A	100%	
1A-1-S17-1510	Installation of precast beams	30-Aug-10 A	1	01-Sep-10 A	100%	
1A-1-S17-1520	Installation of bearings including all grouting	30-Aug-10 A	5	01-Sep-10 A	100%	
1A-1-S17-1530	Allow grout to achieve required compressive strength	30-Aug-10 A	4	02-Sep-10 A	100%	
1A-1-S17-1540	Remove temporary supports	31-Aug-10 A	3	03-Sep-10 A	100%	
South footway works		15-Nov-10 A	50	23-Feb-11		253
1A-1-S17-1640	Kerbing	15-Nov-10 A	2	16-Nov-10 A	100%	
1A-1-S17-1630	Install service ducting to south footway	16-Nov-10 A	2	17-Nov-10 A	100%	
1A-1-S17-1650	Install infill concrete	17-Nov-10 A	2	18-Nov-10 A	100%	
1A-1-S17-1660	Divert services back to South footpath (by others)	22-Feb-11	1	23-Feb-11	0%	253
Concrete works to South Deck section		16-Sep-10 A	45	18-Nov-10 A		
1A-1-S17-1550	Install formwork to deck slab extension	16-Sep-10 A	20	14-Oct-10 A	100%	
1A-1-S17-1580	Install formwork for deck cope	06-Oct-10 A	16	25-Oct-10 A	100%	
1A-1-S17-1560	Install reinforcement to deck slab	07-Oct-10 A	19	25-Oct-10 A	100%	
1A-1-S17-1570	Pour concrete to deck slab	19-Oct-10 A	16	26-Oct-10 A	100%	
1A-1-S17-1590	Pour concrete to deck cope	19-Oct-10 A	15	25-Oct-10 A	100%	
1A-1-S17-1620	Waterproofing to deck concrete	05-Nov-10 A	2	12-Nov-10 A	100%	
1A-1-S17-1600	Install pedestrian/cycleway barrier to cope	15-Nov-10 A	2	16-Nov-10 A	100%	
1A-1-S17-1610	Strip formwork to underside of deck section (allowing for required curing period)	18-Nov-10 A	20	18-Nov-10 A	100%	
Pontoon		04-May-10 A	152	20-Jun-11		784
1A-1-S17-1820	Pontoon	04-May-10 A	152	20-Jun-11	44.74%	784
North verge works		06-May-11	16	27-May-11		249
1A-1-S17-1790	Install service ducting to North verge	06-May-11	10	19-May-11	0%	249
1A-1-S17-1800	Install infill concrete	20-May-11	1	20-May-11	0%	249
1A-1-S17-1810	Install ducting suspended from underside of soffit	23-May-11	5	27-May-11	0%	249
Demolition of North cope and deck		18-Feb-11	17	14-Mar-11		249
1A-1-S17-1670	Move pontoons to North side of Bridge	18-Feb-11	1	18-Feb-11	0%	249
1A-1-S17-1680	Cut and remove existing parapet cope by diamond wire sawing	18-Feb-11	7	28-Feb-11	0%	249
1A-1-S17-1690	Remove existing deck section by robolition	01-Mar-11	10	14-Mar-11	0%	249
Concrete works to North Deck section		15-Mar-11	47	20-May-11		249
1A-1-S17-1700	Install formwork to deck slab extension	15-Mar-11	25	18-Apr-11	0%	249
1A-1-S17-1710	Install reinforcement to deck slab	28-Mar-11	20	25-Apr-11	0%	249
1A-1-S17-1720	Pour concrete to deck slab	04-Apr-11	16	26-Apr-11	0%	249



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