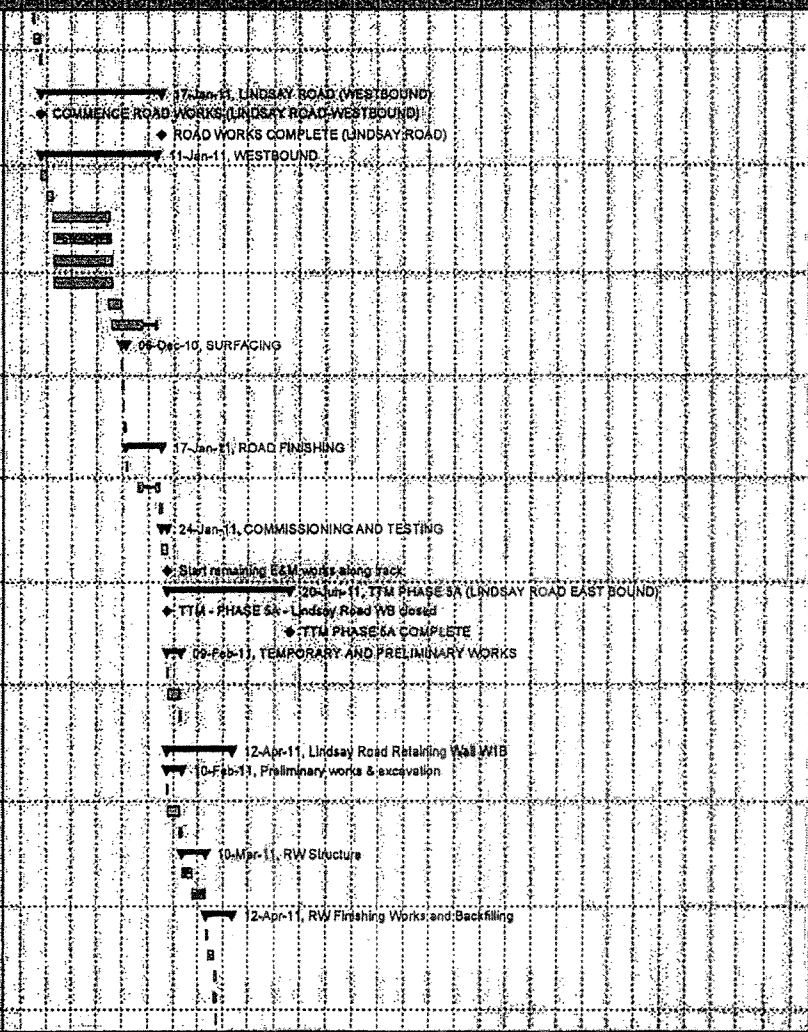


Activity ID	Description	Start	End	Duration
1A-24-5B-1000	Establish temporary traffic management	1d:16-Aug-10	17-Aug-10	230d
1A-24-5B-1010	Site clearance	5d:17-Aug-10	24-Aug-10	230d
1A-24-5B-1020	Investigate services / outfall positions / inlet-outlet positions / levels	1d:24-Aug-10	25-Aug-10	230d
LINDSAY ROAD (WESTBOUND)				
1A-24-5B-1030	COMMENCE ROAD WORKS (LINDSAY ROAD-WESTBOU...	0d:25-Aug-10		230d
1A-24-5B-1040	ROAD WORKS COMPLETE (LINDSAY ROAD)	0d:	17-Jan-11	230d
1A-24-5B-1050	Remove existing footway	5d:25-Aug-10	01-Sep-10	230d
1A-24-5B-1060	Plane Main Carriageway & Footway	5d:01-Sep-10	08-Sep-10	230d
1A-24-5B-1070	Plane/break/lower / excavate to Formation (Lindsay Road)	49d:08-Sep-10	18-Nov-10	230d
1A-24-5B-1080	Capping layer (600mm)	49d:08-Sep-10	17-Nov-10	232d
1A-24-5B-1090	Drainage and Outfalls	49d:10-Sep-10	18-Nov-10	230d
1A-24-5B-1100	Ducts and Chambers	49d:10-Sep-10	18-Nov-10	230d
1A-24-5B-1110	Kerbing	10d:15-Nov-10	30-Nov-10	232d
1A-24-5B-1120	Footpath Works	27d:15-Nov-10	11-Jan-11	230d
1A-24-5B-1130	220mm Sub-base	1d:30-Nov-10	01-Dec-10	248d
1A-24-5B-1140	225mm Base	1d:01-Dec-10	02-Dec-10	248d
1A-24-5B-1150	60mm Binder Course	1d:02-Dec-10	03-Dec-10	248d
1A-24-5B-1160	35mm Surface Course - Main Carriageway and Boundary	1d:05-Dec-10	05-Dec-10	248d
1A-24-5B-1170	Road Signs and Markings	1d:05-Dec-10	07-Dec-10	248d
1A-24-5B-1180	Landscaping	9d:20-Dec-10	14-Jan-11	230d
1A-24-5B-1190	Remove temporary traffic management	1d:14-Jan-11	17-Jan-11	230d
COMMISSIONING AND TESTING				
1A-24-5B-TEST-100	Handover / Acceptance of Roadworks and Trackworks	5d:17-Jan-11	24-Jan-11	230d
1A-24-5B-TEST-110	Start remaining E&M works along track	0d:24-Jan-11		332d
TTM PHASE 5A (LINDSAY ROAD EAST BOUND)				
1A-24-TTM-05A-1000	TTM - PHASE 5A - Lindsay Road WB closed	0d:24-Jan-11		230d
1A-24-TTM-05A-1010	TTM PHASE 5A COMPLETE	0d:	20-Jun-11	230d
TEMPORARY AND PRELIMINARY WORKS				
1A-24-5A-1000	Establish temporary traffic management	1d:24-Jan-11	25-Jan-11	230d
1A-24-5A-1010	Site clearance	10d:25-Jan-11	05-Feb-11	230d
1A-24-5A-1020	Investigate services / outfall positions / inlet-outlet positions / levels	1d:05-Feb-11	06-Feb-11	230d
Lindsay Road Retaining Wall WIB				
1A-24-5A-WIB-100	Mobilisation, site installation and temporary fencing	1d:24-Jan-11	25-Jan-11	239d
1A-24-5A-WIB-110	Demolition	10d:25-Jan-11	06-Feb-11	239d
1A-24-5A-WIB-120	Excavation	2d:08-Feb-11	10-Feb-11	239d
1A-24-5A-WIB-130	RW Foundation	9d:10-Feb-11	23-Feb-11	239d
1A-24-5A-WIB-140	RC Wall	11d:23-Feb-11	10-Mar-11	239d
1A-24-5A-WIB-150	Waterproofing	2d:10-Mar-11	14-Mar-11	239d
1A-24-5A-WIB-160	Drainage	5d:14-Mar-11	21-Mar-11	239d
1A-24-5A-WIB-170	Stone drainage trench	2d:21-Mar-11	23-Mar-11	239d
1A-24-5A-WIB-180	Brickwork	2d:21-Mar-11	23-Mar-11	239d
1A-24-5A-WIB-180	Backfill and compact	1d:23-Mar-11	24-Mar-11	239d

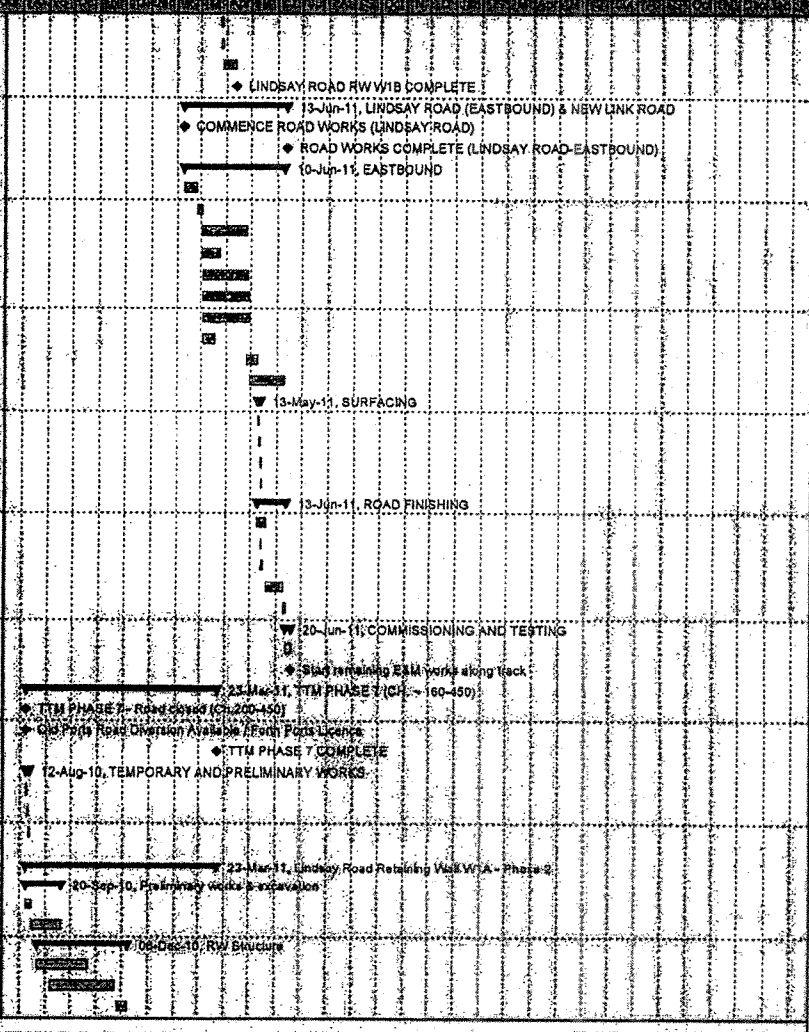


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Date	Revision	Checked	Approved
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC

Remaining Work
 Critical Remaining Work
 Summary
 Actual Work
 Milestone

ID	Description	Start	End	Duration	Actual
1A-24-SA-W1B-200	Vehicle Parapets	28/24-Mar-11	28-Mar-11	2d	239d
1A-24-SA-W1B-210	Kerbing	24/24-Mar-11	28-Mar-11	2d	239d
1A-24-SA-W1B-220	Footway and Road Surfacing	10/28-Mar-11	12-Apr-11	10d	239d
1A-24-SA-W1B-230	LINDSAY ROAD RW W1B COMPLETE	0d	12-Apr-11	0d	239d
LINDSAY ROAD (EASTBOUND) & NEW LINK ROAD					
1A-24-SA-1030	COMMENCE ROAD WORKS (LINDSAY ROAD)	0d	09-Feb-11	0d	230d
1A-24-SA-1040	ROAD WORKS COMPLETE (LINDSAY ROAD-EASTBOUND)	0d	13-Jun-11	0d	230d
ROAD FINISHING					
1A-24-SA-1050	Remove existing footway	11d/09-Feb-11	24-Feb-11	2d	230d
1A-24-SA-1060	Plane Main Carriageway & Footway	4d/24-Feb-11	02-Mar-11	2d	230d
1A-24-SA-1070	Plane/break/lower / excavate to Formalon (Lindsay Road)	38d/02-Mar-11	26-Apr-11	23d	230d
1A-24-SA-1080	Earthworks New Link Road	15d/02-Mar-11	23-Mar-11	25d	230d
1A-24-SA-1090	Capping layer (800mm)	38d/03-Mar-11	27-Apr-11	23d	230d
1A-24-SA-1100	Drainage and Outfalls	38d/04-Mar-11	28-Apr-11	23d	231d
1A-24-SA-1120	Ducts and Chambers	38d/04-Mar-11	28-Apr-11	23d	231d
1A-24-SA-1110	Manholes & Catchpits (3nos)	9d/04-Mar-11	17-Mar-11	28d	230d
1A-24-SA-1130	Kerbing	8d/25-Apr-11	09-May-11	23d	230d
1A-24-SA-1140	Footpath Works	29d/28-Apr-11	10-Jun-11	23d	231d
ROAD FINISHING					
1A-24-SA-1150	220mm Sub-base	1d/09-May-11	10-May-11	2d	248d
1A-24-SA-1160	225mm Base	1d/10-May-11	11-May-11	2d	248d
1A-24-SA-1170	80mm Binder Course	1d/11-May-11	12-May-11	2d	248d
1A-24-SA-1180	35mm Surface Course - Main Carriageway and Boundary	1d/12-May-11	13-May-11	2d	248d
ROAD FINISHING					
1A-24-SA-1190	Parapets, Guard rails	5d/08-May-11	19-May-11	23d	248d
1A-24-SA-1210	Installation of traffic light control	0d/13-May-11	13-May-11	2d	248d
1A-24-SA-1220	Road Signs and Markings	1d/13-May-11	16-May-11	2d	248d
1A-24-SA-1200	Landscaping	18d/15-May-11	10-Jun-11	23d	230d
1A-24-SA-1230	Remove temporary traffic management	1d/10-Jun-11	12-Jun-11	2d	230d
COMMISSIONING AND TESTING					
1A-24-SA-TEST-100	Handover / Acceptance of Roadworks and Trackworks	5d/13-Jun-11	20-Jun-11	23d	230d
1A-24-SA-TEST-110	Start remaining EAM works along track	0d/20-Jun-11	20-Jun-11	0d	230d
TTM PHASE 7 (CH. - 100-450)					
1A-24-TTM-07-1000	TTM PHASE 7 - Road closed (Ch.200-450)	0d/09-Aug-10	09-Aug-10	41d	41d
1A-24-TTM-07-1020	Old Ports Road Diversion Available / Forth Ports Licence	0d/09-Aug-10	09-Aug-10	41d	41d
1A-24-TTM-07-1010	TTM PHASE 7 COMPLETE	0d/29-Mar-11	29-Mar-11	41d	41d
TEMPORARY AND PRELIMINARY WORKS					
1A-24B-7-1000	Establish temporary traffic management	1d/09-Aug-10	10-Aug-10	42d	42d
1A-24B-7-1010	Site clearance	1d/10-Aug-10	11-Aug-10	42d	42d
1A-24B-7-1020	Investigate services / outfall positions / Inlet-outlet positions / levels	1d/11-Aug-10	12-Aug-10	42d	42d
Lindsay Road Retaining Wall (W1A - PHASE 2)					
1A-24-7-W1A-100	Mobilisation, site installation and temporary fencing	5d/09-Aug-10	16-Aug-10	41d	41d
1A-24-7-W1A-110	Excavation	25d/16-Aug-10	20-Sep-10	41d	41d
1A-24-7-W1A-120	RW Foundation	43d/23-Aug-10	21-Oct-10	41d	41d
1A-24-7-W1A-130	RC Wall	55d/07-Sep-10	23-Nov-10	41d	41d
1A-24-7-W1A-140	Coping	8d/25-Nov-10	08-Dec-10	41d	41d



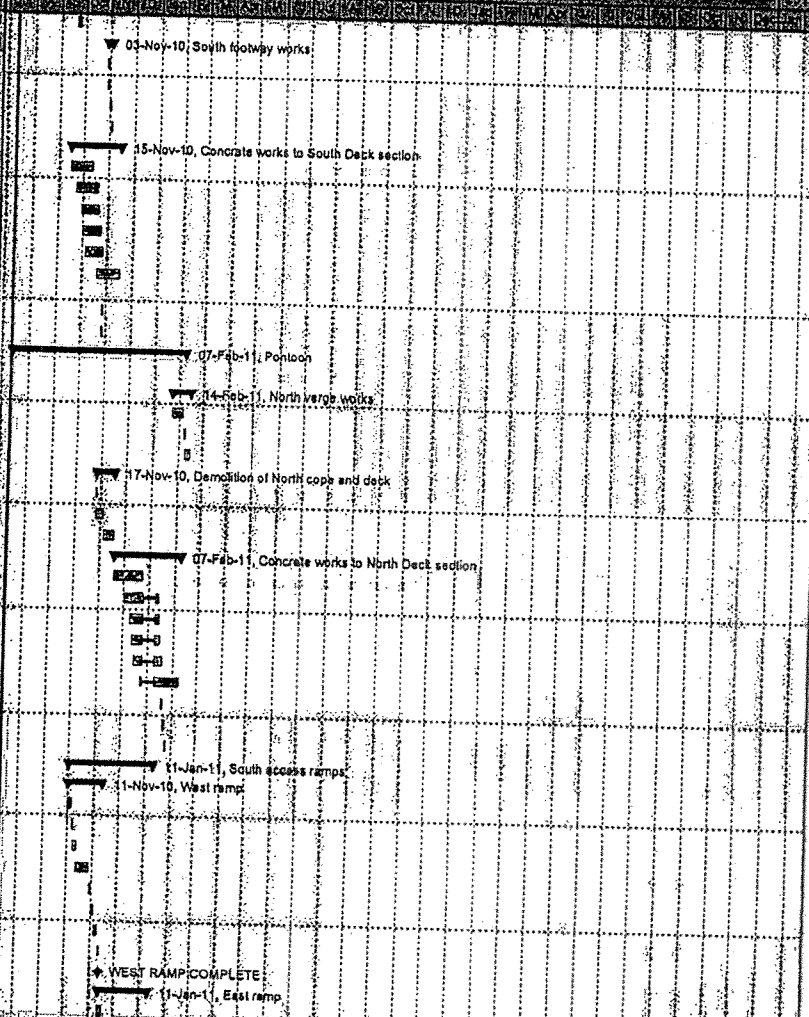
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Date	Revision	Checked	Approved	Page 6 of 44	Legend
29-Jul-10	Project Carlisle Programme	BSC/MHE	BSC		[] Remaining Work [■] Critical Remaining Work [▼] Summary [—] Actual Work [◆] Milestone

Item ID	Description	Start	End	Duration	Notes
1A-24-7-W1A-150	Waterproofing	08/02-Dec-10	15-Dec-10	418d	
1A-24-7-W1A-160	Drainage	08/09-Dec-10	21-Dec-10	418d	
1A-24-7-W1A-190	Brickwork	13d/15-Dec-10	17-Jan-11	457d	
1A-24-7-W1A-170	Stone drainage trench	13d/16-Dec-10	18-Jan-11	418d	
1A-24-7-W1A-180	Backfill and compact (incl. demolition of exist. RW)	46d/23-Dec-10	11-Mar-11	418d	
1A-24-7-W1A-200	Vehicle Parapets	0d/11-Mar-11	23-Mar-11	418d	
1A-24-7-W1A-210	LINDSAY ROAD RW W1A COMPLETE.	0d/11-Mar-11	23-Mar-11	418d	
Ocean Terminal to Port of Leith					
Lower Place Bridge (S17)					
1A-1-S17-1000	TOWER PLACE BRIDGE (S17) STRUCTURE COMPLETE	0d/14-Feb-11	297d		
Procurement					
1A-1-S17-1010	Precast beams	11d/12-Jul-10	26-Jul-10	328d	
1A-1-S17-1020	Precast ramp units	60d/12-Jul-10	04-Oct-10	451d	
1A-1-S17-1030	Ducting	30d/16-Sep-10	27-Oct-10	297d	
WORKS TO EAST ABUTMENT					
1A-1-S17-1130	Install temporary works to excavation	1d/12-Jul-10	12-Jul-10	297d	
1A-1-S17-1140	Demolition of existing abutment structure	6d/13-Jul-10	20-Jul-10	297d	
1A-1-S17-1160	Install reinforcement to abutment base	4d/21-Jul-10	28-Jul-10	297d	
1A-1-S17-1170	Construct formwork to abutment base	2d/27-Jul-10	28-Jul-10	312d	
1A-1-S17-1180	Pour concrete to base	1d/29-Jul-10	29-Jul-10	312d	
1A-1-S17-1190	Strip base formwork	1d/30-Jul-10	30-Jul-10	312d	
1A-1-S17-1200	Construct formwork to ballast walls	2d/03-Aug-10	04-Aug-10	312d	
1A-1-S17-1210	Pour concrete to ballast walls	1d/05-Aug-10	05-Aug-10	312d	
Works to East, West and Central Piers					
1A-1-S17-1230	Demolition to expose existing reinforcement on south side of pier	7d/12-Jul-10	20-Jul-10	310d	
1A-1-S17-1240	Dowel bars to existing pier cap	4d/21-Jul-10	28-Jul-10	310d	
1A-1-S17-1270	Installation of metal frame to form shutter for new pier base	5d/27-Jul-10	03-Aug-10	310d	
1A-1-S17-1280	Installation of prefabricated pier base reinforcement cage	2d/03-Aug-10	04-Aug-10	310d	
1A-1-S17-1290	Pour concrete to bases	1d/05-Aug-10	05-Aug-10	310d	
1A-1-S17-1300	Shutter and pour concrete/grout to bearing plinth	2d/06-Aug-10	06-Aug-10	310d	
Works to West Abutment					
1A-1-S17-1380	Install reinforcement to abutment base	4d/12-Jul-10	15-Jul-10	320d	
1A-1-S17-1390	Construct formwork to abutment base	2d/16-Jul-10	19-Jul-10	320d	
1A-1-S17-1400	Pour concrete to base	1d/20-Jul-10	20-Jul-10	320d	
1A-1-S17-1410	Construct formwork to ballast walls	2d/21-Jul-10	22-Jul-10	320d	
1A-1-S17-1420	Pour concrete to ballast walls	1d/23-Jul-10	23-Jul-10	320d	
1A-1-S17-1350	Cut Back existing capping beam and sheet piling	2d/27-Jul-10	28-Jul-10	297d	
1A-1-S17-1360	Demolition of existing abutment structure	6d/29-Jul-10	06-Aug-10	297d	
Demolition of South cope and deck					
1A-1-S17-1460	Cut and remove existing parapet cope by diamond wire saw	4d/09-Aug-10	12-Aug-10	297d	
1A-1-S17-1480	Remove existing deck section by robotation	10d/13-Aug-10	26-Aug-10	297d	
Installation of precast beams and bearings					
1A-1-S17-1490	Erection of temporary works to support beams	4d/27-Aug-10	01-Sep-10	297d	
1A-1-S17-1500	Bearing base plates grouted into position	3d/02-Sep-10	06-Sep-10	297d	
1A-1-S17-1510	Installation of precast beams	1d/07-Sep-10	07-Sep-10	297d	
1A-1-S17-1520	Installation of bearings including all grouting	5d/08-Sep-10	14-Sep-10	297d	
1A-1-S17-1530	Allow grout to achieve required compressive strength	4d/15-Sep-10	20-Sep-10	448d	

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Item ID	Description	Start	End	Duration
1A-1-S17-1540	Remove temporary supports	30/21-Sep-10	25-Sep-10	448d
1A-1-S17-1630	Install service ducting to south footway	24/28-Sep-10	23-Oct-10	297d
1A-1-S17-1640	Kerbing	24/28-Oct-10	23-Oct-10	297d
1A-1-S17-1650	Install infill concrete	24/01-Nov-10	02-Nov-10	297d
1A-1-S17-1680	Divert services back to South footpath (by others)	1d/03-Nov-10	03-Nov-10	297d
Concrete works to South Deck section				
1A-1-S17-1550	Install formwork to deck slab extension	20d/15-Sep-10	12-Oct-10	297d
1A-1-S17-1560	Install reinforcement to deck slab	19d/22-Sep-10	18-Oct-10	297d
1A-1-S17-1570	Pour concrete to deck slab	16d/29-Sep-10	20-Oct-10	297d
1A-1-S17-1580	Install formwork for deck cope	16d/01-Oct-10	22-Oct-10	297d
1A-1-S17-1590	Pour concrete to deck cope	15d/05-Oct-10	25-Oct-10	297d
1A-1-S17-1610	Strip formwork to underside of deck section (allowing for required curing period)	20d/19-Oct-10	15-Nov-10	299d
1A-1-S17-1600	Install pedestrian/cycleway barrier to cope	2d/26-Oct-10	27-Oct-10	297d
1A-1-S17-1820	Waterproofing to deck concrete	2d/26-Oct-10	27-Oct-10	297d
Pontoon				
1A-1-S17-1820	Pontoon	139d/12-Jul-10	07-Feb-11	297d
North Verge works				
1A-1-S17-1790	Install service ducting to North verge	10d/24-Jan-11	04-Feb-11	297d
1A-1-S17-1800	Install infill concrete	1d/07-Feb-11	07-Feb-11	297d
1A-1-S17-1910	Install ducting suspended from underside of soffit	5d/08-Feb-11	14-Feb-11	297d
Demolition of North cope and deck				
1A-1-S17-1670	Move pontoons to North side of Bridge	1d/25-Oct-10	25-Oct-10	297d
1A-1-S17-1880	Cut and remove existing parapet cope by diamond wire sawing	7d/26-Oct-10	03-Nov-10	297d
1A-1-S17-1890	Remove existing deck section by robotation	10d/04-Nov-10	17-Nov-10	297d
Concrete works to North Deck section				
1A-1-S17-1700	Install formwork to deck slab extension	25d/18-Nov-10	25-Dec-10	297d
1A-1-S17-1710	Install reinforcement to deck slab	20d/02-Dec-10	12-Jan-11	297d
1A-1-S17-1720	Pour concrete to deck slab	16d/09-Dec-10	13-Jan-11	297d
1A-1-S17-1730	Install formwork for deck cope	15d/13-Dec-10	14-Jan-11	297d
1A-1-S17-1740	Pour concrete to deck cope	14d/16-Dec-10	17-Jan-11	297d
1A-1-S17-1770	Strip formwork to underside of deck section	23d/23-Dec-10	07-Feb-11	297d
1A-1-S17-1750	Strip cope formwork	2d/18-Jan-11	19-Jan-11	297d
1A-1-S17-1780	Waterproofing to deck concrete	2d/20-Jan-11	21-Jan-11	297d
1A-1-S17-1760	Install pedestrian/cycleway barrier to cope	2d/24-Jan-11	25-Jan-11	297d
South Ramp				
1A-1-S17-1830	Excavate area for south West ramp	3d/01-Oct-10	05-Oct-10	448d
1A-1-S17-1840	Blinding for precast units	2d/06-Oct-10	07-Oct-10	448d
1A-1-S17-1850	Place precast ramp units	2d/08-Oct-10	11-Oct-10	448d
1A-1-S17-1860	Install ramp sections	12d/12-Oct-10	27-Oct-10	448d
1A-1-S17-1870	Blumen paint to concrete	2d/26-Oct-10	28-Oct-10	448d
1A-1-S17-1890	Backfill paving area	3d/01-Nov-10	03-Nov-10	448d
1A-1-S17-1890	Install paving to footway	4d/04-Nov-10	09-Nov-10	448d
1A-1-S17-1900	Install pedestrian/cycleway barrier	2d/10-Nov-10	11-Nov-10	448d
1A-1-S17-1910	WEST RAMP COMPLETE	0d/	11-Nov-10	500d
1A-1-S17-1920	Excavate area for South East ramp	3d/12-Nov-10	16-Nov-10	448d



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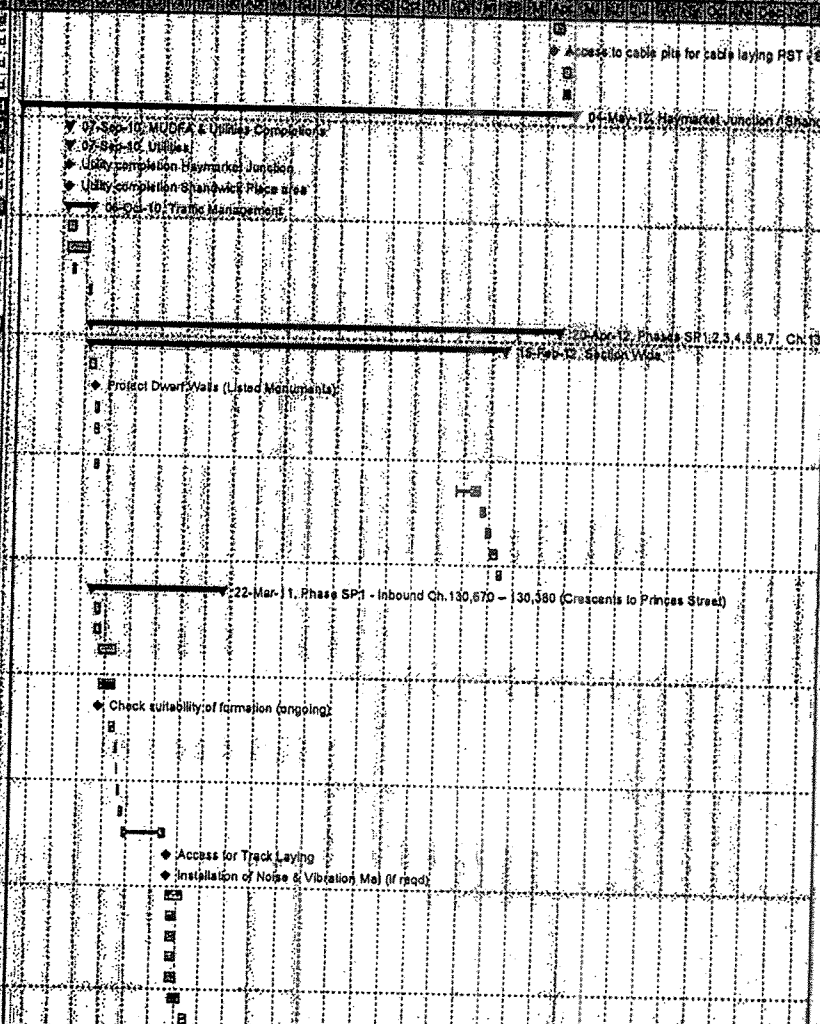
Date	Revision	Checked	Approved	Page 7 of 44	Remaining Work	Critical Remaining Work	Summary
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC		Actual Work	Milestone	

Date	Revision	Checked	Approved	Page 8 of 44	Actual Work	Critical Remaining Work	Summary
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC				

Item ID	Description	Start	End	Duration	Value	Notes
1A-1-S17-1930	Excavate area for retaining wall	2d 17-Nov-10	16-Nov-10	4d	448d	
1A-1-S17-1940	Construct retaining wall	10d 19-Nov-10	03-Dec-10	4d	448d	
1A-1-S17-1960	Blinding for units	2d 06-Dec-10	07-Dec-10	4d	448d	
1A-1-S17-1980	Place precast ramp units	2d 08-Dec-10	09-Dec-10	4d	448d	
1A-1-S17-1970	Bitumen paint to concrete	2d 10-Dec-10	13-Dec-10	4d	448d	
1A-1-S17-1990	Install trieff kerbs	3d 14-Dec-10	16-Dec-10	4d	448d	
1A-1-S17-2000	Install detarrant paving	2d 21-Dec-10	22-Dec-10	4d	448d	
1A-1-S17-2010	Install pedestrian/cycleway barrier	2d 23-Dec-10	24-Dec-10	4d	448d	
1A-1-S17-2020	Install paving to footway	2d 10-Jan-11	11-Jan-11	4d	448d	
1A-1-S17-2030	EAST RAMP COMPLETE	0d	11-Jan-11	4d	448d	
1A-1-S17-2040	Works TBC	20d 12-Jan-11	08-Feb-11	4d	448d	
1A-1-S17-2050	PUMPING HOUSE RW COMPLETE	0d	08-Feb-11	4d	448d	
1A-1-1020	Plane/excavate existing road surface (Tower Bridge)	4d 15-Feb-11	18-Feb-11	2d	297d	
1A-1-1030	Remove existing deck waterproofing	3d 21-Feb-11	23-Feb-11	2d	297d	
1A-1-1040	New waterproofing and sand carpet	3d 24-Feb-11	28-Feb-11	2d	297d	
1A-1-1050	Surfacing to carriageway	5d 01-Mar-11	07-Mar-11	2d	297d	
1A-1-1070	Road markings	4d 08-Mar-11	11-Mar-11	2d	297d	
01C Waverly Bridge to Princes Street West (exc.)					161d	
E & M Installations					161d	
1C-16-ELEC-30	Access for visual inspection to cable pits for cable laying PST	0d 15-Nov-10		4d	421d	
1C-16-OHLE-30	Access for visual inspection for E&M wayside installation PST	0d 15-Nov-10		4d	421d	
1C-16-ELEC-31	Access to cable pits for cable laying PST	0d 24-Jan-11		4d	271d	
1C-16-OHLE-31	Access for E&M wayside installation PST	0d 24-Jan-11		4d	248d	
1C-15/16-OHLE-50	Installation of poles and building fixings -9 (12 1376 - 13 0120)	4d 19-Jan-12	25-Jan-12	4d	41d	
1C-15/16-OHLE-60	Overhead Catenary Line -9 (12 1376 - 13 0120)	12d 25-Jan-12	10-Feb-12	4d	41d	
1C-16-SGNW-60	Install Signalling Wayside Equipment PST	6d 29-Mar-12	06-Apr-12	4d	18d	
01D Princes Street (Inc.) to Haymarket (Exc.)					139d	
E & M Installation					139d	
1D-15-OHLE-30	Access for visual inspection for E&M wayside installation PST - SHP	0d 19-May-11		4d	318d	
1D-15-OHLE-31	Access for E&M wayside installation PST - SHP	0d 21-Jun-11		4d	169d	
1D-14-OHLE-30	Access for visual inspection for E&M wayside installation SHP - HAY	0d 11-Jan-12		4d	200d	
1D-14-ELEC-30	Access for visual inspection to cable pits for cable laying SHP - HAY	0d 25-Jan-12		4d	190d	
1D-14/15-OHLE-50(3)	Installation of poles and building fixings -10 (13 0037 - 20 0000)	10d 10-Feb-12	24-Feb-12	4d	41d	
1D-14-OHLE-31	Access for E&M wayside installation SHP - HAY	0d 10-Feb-12		4d	41d	
1D-14/15-OHLE-60(3)	Overhead Catenary Line -10 (13 0037 - 20 0022 + 13 0731 - 13 0810)	22d 24-Feb-12	27-Mar-12	4d	41d	
1D-14-ELEC-31	Access to cable pits for cable laying SHP - HAY	0d 24-Feb-12		4d	379d	
1D-15-ELEC-30	Access for visual inspection to cable pits for cable laying PST - SHP	0d 07-Mar-12		4d	160d	
1D-14-SIGN-40	Installation of SIG-interlocking cubicle SHP	15d 09-Mar-12	30-Mar-12	4d	33d	
1D-14-SIGN-50	Installation of SIG equipment on crossover SHP	5d 23-Mar-12	30-Mar-12	4d	33d	
1D-14-SIGN-60	Commissioning of SIG-interlocking cubicle SHP	5d 30-Mar-12	06-Apr-12	4d	33d	
1D-14/15-TELC-70	Install Fibre Optic Cables PST - SHP - HAY	8d 06-Apr-12	18-Apr-12	4d	18d	
1D-13/17-ELEC-80	Install Electrical Cables CAE - HTE	23d 06-Apr-12	09-May-12	4d	10d	

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ID	Description	Start	End	Duration	Resources
1D-15-SGNW-50	Install Signalling Wayside Equipment PST - SHP	0d 06-Apr-12	18-Apr-12	10d	100
1D-15-ELEC-31	Access to cable pits for cable laying PST - SHP	0d 06-Apr-12		10d	100
1D-15/16-TELC-50	Install Fibre Optic Cables SAS - PST - SHP	7d 18-Apr-12	27-Apr-12	10d	100
1D-14-SGNW-50	Install Signalling Wayside Equipment SHP - HAY	6d 19-Apr-12	27-Apr-12	10d	100
Haymarket Junction / Shandwick Place (Sections 1D Ch.130,330 to 2A Ch.200,030)					
MUFA & Utilities Completions					
1D-14-1055	Utility completion Haymarket Junction	0d	07-Sep-10	10d	100
1D-15-1075	Utility completion Shandwick Place area	0d	07-Sep-10	14d	140
Traffic Management					
1D-14-1055	Enabling Works - Haymarket Junction	2d 07-Sep-10	06-Oct-10	10d	100
1D-15-1016	Enabling Works - Shandwick Place	7d 07-Sep-10	16-Sep-10	10d	100
1D-14-H1-928	TM Phase H1 - (Main Area - Eastbound Side)	19d 07-Sep-10	04-Oct-10	14d	140
1D-15-SP1-935	TM Phase Ch.130,060 - 130,380 (Palmerston Place - Princes Street)	2d 14-Sep-10	16-Sep-10	10d	100
		2d 04-Oct-10	08-Oct-10	14d	140
Phases SP1,2,3,4,5,6,7, Ch.130,960 - 130,380 (Palmerston Place - Princes Street)					
1D-14/15-469	Erect Pedestrian Barrier	5d 05-Oct-10	10-Oct-10	14d	140
1D-14/15-730	Protect Dwarf Walls (Listed Monuments)	0d 13-Oct-10		14d	140
1D-14/15-501	Tree Removal	4d 13-Oct-10	19-Oct-10	14d	140
1D-14/15-493	Investigate services / outfall positions / inlet-outlet positions / levels	4d 13-Oct-10	19-Oct-10	45d	450
1D-14/15-502	Site Clearance & Site Compound	3d 14-Oct-10	19-Oct-10	14d	140
1D-14/15-JNCS-60	Installation of traffic light control - Junction 41	11d 22-Dec-11	20-Jan-12	88d	880
1D-14/15-JNCS-70	Installation of traffic light control - Junction 42	5d 20-Jan-12	27-Jan-12	60d	600
1D-14/15-JNCS-80	Installation of traffic light control - Junction 43	4d 27-Jan-12	02-Feb-12	83d	830
1D-14/15-JNCS-90	Installation of traffic light control - Junction 44	6d 02-Feb-12	10-Feb-12	83d	830
1D-14/15-JNCS-100	Installation of traffic light control - Junction 45	3d 10-Feb-12	15-Feb-12	83d	830
Phases SP1,2,3,4,5,6,7, Ch.130,670 - 130,380 (Palmerston Place - Princes Street)					
1D-140-SP1-515	Plane Main Carriageway 250mm	4d 19-Oct-10	25-Oct-10	14d	140
1D-140-SP1-514	Core/Cast OLE Pole Foundations	5d 19-Oct-10	26-Oct-10	75d	750
1D-140-SP1-516	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	13d 25-Oct-10	15-Nov-10	14d	140
1D-140-SP1-497	Remove existing kerbs	13d 25-Oct-10	15-Nov-10	14d	140
1D-140-SP1-498	Check suitability of formation (ongoing)	0d 25-Oct-10		24d	240
1D-140-SP1-489	Capping Layer to Adjacent Carriageway (600mm)	5d 08-Nov-10	15-Nov-10	14d	140
1D-140-SP1-820	Make good Formation with Type 1 (Ave 220mm)	2d 15-Nov-10	17-Nov-10	14d	140
1D-140-SP1-511	Installation of IMU Drains and Cable Ducting	2d 17-Nov-10	19-Nov-10	14d	140
1D-140-SP1-512	Carry out inspection and testing of Subgrade	1d 18-Nov-10	22-Nov-10	14d	140
1D-140-SP1-313	Blinding Concrete	4d 22-Nov-10	26-Nov-10	14d	140
1D-140-SP1-654	250mm RC Improvement Slab (+ cure lag)	8d 26-Nov-10	17-Jan-11	14d	140
1D-140-SP1-655	Access for Track Laying	0d 19-Jan-11		14d	140
1D-140-SP1-596	Installation of Noise & Vibration Mat (if reqd)	0d 19-Jan-11		14d	140
1D-140-TRCK-70(3)	Set track (1x288m)(sleepers/rail) + mob	14d 19-Jan-11	08-Feb-11	14d	140
1D-140-SP1-508	Welding & Grinding	8d 20-Jan-11	01-Feb-11	14d	140
1D-140-SP1-499	Drainage / Rail Connections	8d 20-Jan-11	01-Feb-11	14d	140
1D-140-SP1-830	Installation of IMU Boxes and Loops	8d 20-Jan-11	01-Feb-11	14d	140
1D-140-SP1-521	Final Rail Alignment - Check and Approve	8d 21-Jan-11	02-Feb-11	14d	140
1D-140-SP1-522	230mm Concrete Supporting Layer (+ cure lag)	10d 25-Jan-11	08-Feb-11	14d	140
1D-140-SP1-653	OLE Wall Fixings Inbound	6d 08-Feb-11	16-Feb-11	14d	140



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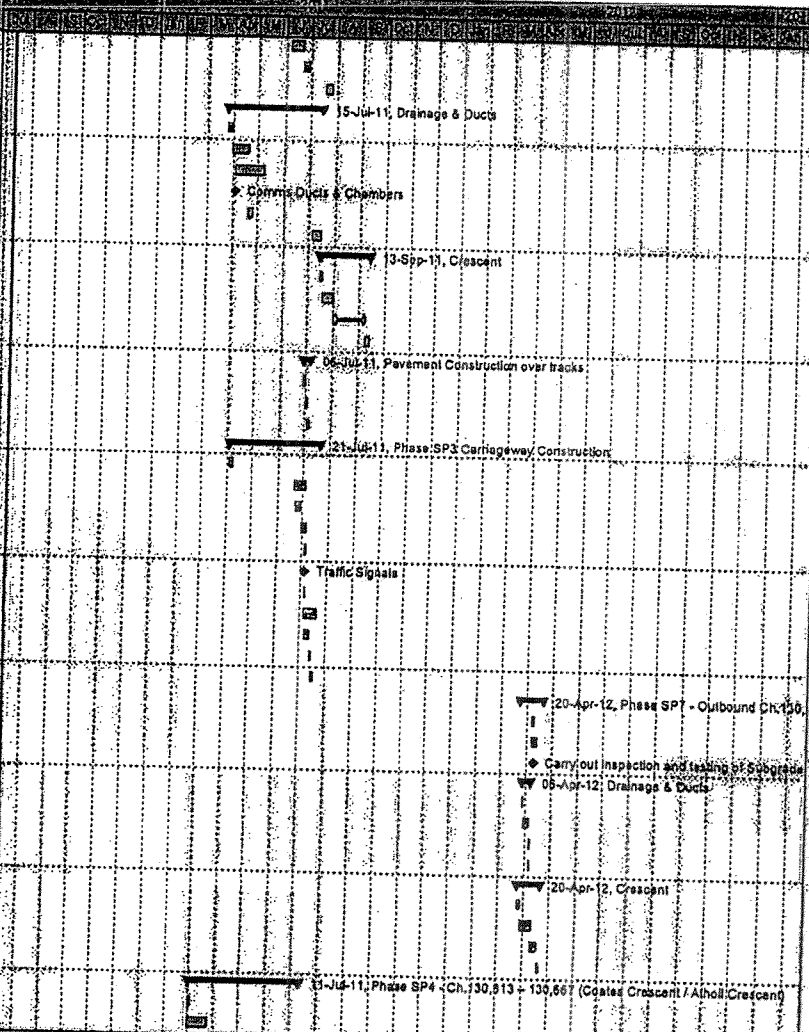
Date	Revision	Checked	Approved	Page 9 of 44	Legend
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC		■ Remaining Work ■ Critical Remaining Work ▾ Summary ▬ Actual Work ◆ Milestone

ID	Description	Start	End	Duration	Summary
1D-14O-SP1-523	Mill Rail Joint / Sealing Compound	8d:03-Mar-11	11-Mar-11	3d	
1D-14O-SP1-487	Outfall Connections	5d:15-Oct-10	22-Oct-10	7d	
1D-14O-SP1-478	Drainage to Discharge Points	14d:20-Oct-10	18-Nov-10	29d	
1D-14O-SP1-590	Traction Ducts & Chambers	0d:15-Nov-10		33d	22-Feb-11, Drainage & Ducts
1D-14O-SP1-491	Comma Ducts & Chambers	17d:15-Nov-10	17-Jan-11	63d	◆ Traction Ducts & Chambers
1D-14O-SP1-479	Acc Channel	3d:16-Nov-10	19-Nov-10	3d	
1D-14O-SP1-492	Traction Signal Ducts	2d:18-Nov-10	23-Nov-10	5d	
1D-14O-SP1-483	Lighting Ducts	3d:18-Feb-11	22-Feb-11	26d	
1D-14O-SP1-504	Excavate existing Junction	1d:22-Feb-11	23-Feb-11	2d	22-Mar-11, Crescent
1D-14O-SP1-515	Kerbing	10d:23-Feb-11	09-Mar-11	16d	
1D-14O-SP1-506	Settled Area	8d:09-Mar-11	17-Mar-11	8d	
1D-14O-SP1-507	Footpath	3d:17-Mar-11	22-Mar-11	5d	23-Feb-11, Pavement Construction over tracks
1D-14O-SP1-519	12mm Binder	3d:15-Feb-11	18-Feb-11	3d	
1D-14O-SP1-850	35mm Wearing Course	1d:18-Feb-11	21-Feb-11	3d	
1D-14O-SP1-801	15mm Surface Treatment	2d:21-Feb-11	23-Feb-11	2d	
1D-14O-SP1-1003	Sub-base 220mm all carriageway areas	4d:18-Nov-10	19-Nov-10	2d	
1D-14O-SP1-1004	Kerbing - Eastbound/Islands/Crossings	8d:05-Feb-11	18-Feb-11	13d	
1D-14O-SP1-1005	Signs / Street Furniture	5d:10-Feb-11	17-Feb-11	7d	
1D-14O-SP1-997	Sub-base shape all carriageway areas	3d:16-Feb-11	21-Feb-11	5d	
1D-14O-SP1-1035	Gullies	2d:17-Feb-11	21-Feb-11	4d	
1D-14O-SP1-1006	Traffic Signals	0d:18-Feb-11		46d	◆ Traffic Signals
1D-14O-SP1-999	Footpath Works	8d:18-Feb-11	28-Feb-11	10d	
1D-14O-SP1-1190	225mm Base	5d:21-Feb-11	28-Feb-11	7d	
1D-14O-SP1-1021	60mm Binder	2d:28-Feb-11	02-Mar-11	4d	
1D-14O-SP1-992	35mm Wearing Course	1d:02-Mar-11	03-Mar-11	1d	
1D-14P-SP3-568	Plane Main Carriageway 250mm	2d:22-Mar-11	24-Mar-11	2d	
1D-14P-SP3-576	Core/Cast OLE Pole Foundations	4d:22-Mar-11	28-Mar-11	6d	
1D-14P-SP3-578	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	8d:24-Mar-11	04-Apr-11	11d	
1D-14P-SP3-579	Remove existing kerbs	6d:24-Mar-11	04-Apr-11	11d	
1D-14P-SP3-580	Check suitability of formation (ongoing)	0d:24-Mar-11		31d	◆ Check suitability of formation (ongoing)
1D-14P-SP3-581	Capping Layer to Adjacent Carriageway (800mm)	5d:25-Mar-11	04-Apr-11	10d	
1D-14P-SP3-582	Make good Formation with Type 1 (Ave 220mm)	1d:04-Apr-11	05-Apr-11	1d	
1D-14P-SP3-583	Installation of IMU Drains and Cable Ducting	2d:05-Apr-11	07-Apr-11	2d	
1D-14P-SP3-584	Carry out inspection and sealing of Subgrade	1d:07-Apr-11	08-Apr-11	1d	
1D-14P-SP3-585	Blinding Concrete	4d:08-Apr-11	14-Apr-11	6d	
1D-14P-SP3-586	250mm RC Improvement Slab (+ cure lag)	8d:14-Apr-11	28-Apr-11	14d	
1D-14P-SP3-587	Access for Track Laying	0d:09-May-11		30d	◆ Access for Track Laying
1D-14P-SP3-588	Installation of Noise & Vibration Mat (if reqd)	0d:01-Jun-11		14d	◆ Installation of Noise & Vibration Mat (if reqd)
1D-14P-TRCK-70(3)	Set track (1x288m)(sleepers/rail) + mob	14d:01-Jun-11	21-Jun-11	14d	
1D-14P-SP3-590	Welding & Grinding	8d:02-Jun-11	14-Jun-11	12d	
1D-14P-SP3-591	Drainage / Rail Connections	8d:02-Jun-11	14-Jun-11	12d	
1D-14P-SP3-592	Installation of IMU Boxes and Loops	8d:02-Jun-11	14-Jun-11	12d	
1D-14P-SP3-593	Final Rail Alignment - Check and Approve	8d:03-Jun-11	15-Jun-11	12d	

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Date	Revision	Checked	Approved
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC

1D-14P-SP3-584	230mm Concrete Supporting Layer (+cure lag)	10d	07-Jun-11	21-Jun-11	14d
1D-14P-SP3-577	OLE Wall Fixings Outbound	6d	21-Jun-11	29-Jun-11	4d
1D-14P-SP3-616	Mill Rail Joint / Sealing Compound	6d	18-Jul-11	28-Jul-11	25d
1D-14P-SP3-570	Outfall Connections	4d	24-Mar-11	30-Mar-11	7d
1D-14P-SP3-571	Drainage to Discharge Points	13d	30-Mar-11	19-Apr-11	75d
1D-14P-SP3-572	Traction Ducts & Chambers	24d	04-Apr-11	09-May-11	30d
1D-14P-SP3-573	Comms Ducts & Chambers	0d	04-Apr-11		54d
1D-14P-SP3-574	Traffic Signal Ducts	4d	19-Apr-11	25-Apr-11	80d
1D-14P-SP3-575	Lighting Ducts	6d	05-Jul-11	16-Jul-11	14d
1D-14P-SP3-836	Excavate existing junction	1d	15-Jul-11	18-Jul-11	14d
1D-14P-SP3-807	Kerbing	10d	18-Jul-11	01-Aug-11	14d
1D-14P-SP3-818	Sealed Area	7d	01-Aug-11	07-Sep-11	14d
1D-14P-SP3-809	Footpath	4d	07-Sep-11	13-Sep-11	14d
1D-14P-SP3-821	12mm Blinder	3d	28-Jun-11	01-Jul-11	33d
1D-14P-SP3-792	35mm Wearing Course	1d	01-Jul-11	04-Jul-11	33d
1D-14P-SP3-803	15mm Surface Treatment	2d	04-Jul-11	06-Jul-11	33d
1D-14P-SP3-605	Sub-base 224mm all carriageway areas	4d	04-Apr-11	08-Apr-11	84d
1D-14P-SP3-606	Kerbing - Eastbound/Islands/Crossings	10d	21-Jun-11	05-Jul-11	14d
1D-14P-SP3-608	Signs / Street Furniture	5d	23-Jun-11	30-Jun-11	29d
1D-14P-SP3-609	Sub-base shape all carriageway areas	4d	30-Jun-11	08-Jul-11	25d
1D-14P-SP3-607	Gullies	2d	04-Jul-11	06-Jul-11	25d
1D-14P-SP3-610	Traffic Signals	0d	05-Jul-11		31d
1D-14P-SP3-611	Pedestrian Guardrails	2d	05-Jul-11	07-Jul-11	37d
1D-14P-SP3-612	Footpath Works	12d	05-Jul-11	21-Jul-11	28d
1D-14P-SP3-613	225mm Base	5d	06-Jul-11	13-Jul-11	25d
1D-14P-SP3-614	60mm Blinder	2d	13-Jul-11	15-Jul-11	25d
1D-14P-SP3-615	35mm Wearing Course	1d	15-Jul-11	18-Jul-11	25d
Phase SP7 - Outbound Ch. 130,660 (Eastbound Crossing)					
1D-14-SP7-769	Make good Formation with Type 1	1d	06-Apr-12	09-Apr-12	13d
1D-14-SP7-776	Traffic Signals	5d	06-Apr-12	13-Apr-12	133d
1D-14-SP7-600	Carry out inspection and testing of Subgrade	0d	09-Apr-12		13d
1D-14-SP7-765	Outfall Connections	2d	27-Mar-12	29-Mar-12	10d
1D-14-SP7-785	Drainage to Discharge Points	4d	29-Mar-12	04-Apr-12	10d
1D-14-SP7-767	Traffic Signal Ducts	2d	04-Apr-12	06-Apr-12	100d
1D-14-SP7-768	Lighting Ducts	2d	04-Apr-12	06-Apr-12	10d
1D-14-SP7-772	Excavate existing junction	2d	23-Mar-12	27-Mar-12	10d
1D-14-SP7-773	Kerbing	10d	27-Mar-12	10-Apr-12	100d
1D-14-SP7-774	Sealed Area	6d	09-Apr-12	17-Apr-12	13d
1D-14-SP7-775	Footpath	3d	17-Apr-12	20-Apr-12	13d
Phase SP4 - Ch. 130,613 - 130,667 (Coates Crescent / Asholl Crescent)					
1D-14R-SP4-618	Plane Main Carriageway for Overlay	3d	01-Mar-11	04-Mar-11	14d
1D-14R-SP4-626	Core/Cast OLE Pole Foundations	18d	01-Mar-11	25-Mar-11	18d



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Date	Revision	Checked	Approved	Page 12 of 44	Remaining Work	Critical Remaining Work	Summary
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC		Actual Work	Milestones	

Item ID	Description	Start	End	Duration	Progress
1D-14R-SP4-627	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	13d 04-Mar-11	23-Mar-11	14d	100%
1D-14R-SP4-628	Remove existing kerbs	13d 04-Mar-11	23-Mar-11	14d	100%
1D-14R-SP4-629	Check suitability of formation (ongoing)	0d 04-Mar-11		20d	100%
1D-14R-SP4-630	Capping Layer to Adjacent Carriageway (600mm)	11d 08-Mar-11	23-Mar-11	16d	100%
1D-14R-SP4-631	Make good Formation with Type 1 (Ave 220mm)	2d 23-Mar-11	25-Mar-11	14d	100%
1D-14R-SP4-632	Installation of IMU Drains and Cable Ducting	4d 25-Mar-11	31-Mar-11	16d	100%
1D-14R-SP4-633	Carry out inspection and testing of Subgrade	1d 31-Mar-11	04-Apr-11	14d	100%
1D-14R-SP4-634	Blinding Concrete	4d 04-Apr-11	06-Apr-11	14d	100%
1D-14R-SP4-635	250mm RC Improvement Slab (+ cure lag)	10d 08-Apr-11	22-Apr-11	14d	100%
1D-14R-SP4-636	Access for Track Laying	0d 28-Apr-11		14d	100%
1D-14R-SP4-637	Installation of Noise & Vibration Mat (if reqd)	0d 28-Apr-11		14d	100%
1D-14R-TRCK-90(3)	Track Crossover + mob	13d 26-Apr-11	16-May-11	14d	100%
1D-14R-SIGN-70	point machine mechanical set up	10d 26-Apr-11	11-May-11	16d	100%
1D-14R-TRCK-70(3)	Set track (2x146m)(sleepers/rail) + mob	15d 15-May-11	07-Jun-11	16d	100%
1D-14R-SP4-640	Welding & Grinding	9d 17-May-11	31-May-11	14d	100%
1D-14R-SP4-641	Drainage / Rail Connections	9d 17-May-11	31-May-11	14d	100%
1D-14R-SP4-642	Installation of IMU Boxes and Loops	9d 17-May-11	31-May-11	14d	100%
1D-14R-SP4-643	Final Rail Alignment - Check and Approve	9d 18-May-11	01-Jun-11	14d	100%
1D-14R-SP4-644	230mm Concrete Supporting Layer (+ cure lag)	12d 20-May-11	08-Jun-11	14d	100%
1D-14R-SP4-620	Outfall Connections	1d 03-Mar-11	07-Mar-11	3d	100%
1D-14R-SP4-621	Drainage to Discharge Points	14d 07-Mar-11	25-Mar-11	17d	100%
1D-14R-SP4-622	Traction Ducts & Chambers	12d 23-Mar-11	11-Apr-11	26d	100%
1D-14R-SP4-623	Comms Ducts & Chambers	8d 23-Mar-11	05-Apr-11	28d	100%
1D-14R-SP4-624	Traffic Signal Ducts	2d 25-Mar-11	28-Mar-11	31d	100%
1D-14R-SP4-625	Lighting Ducts	14d 12-Apr-11	03-May-11	65d	100%
1D-14R-SP4-646	Ducting and Chambers	15d 25-Mar-11	18-Apr-11	58d	100%
1D-14R-SP4-647	Tramstop Platform	40d 18-Apr-11	15-Jun-11	58d	100%
1D-14R-SP4-648	Deliver and Install Tramstop Shelter (lbs)	0d 15-Jun-11		26d	100%
1D-14R-SP4-1020	124mm Binder	3d 15-Jun-11	20-Jun-11	32d	100%
1D-14R-SP4-841	35mm Wearing Course	1d 20-Jun-11	21-Jun-11	62d	100%
1D-14R-SP4-802	15mm Surface Treatment	2d 09-Jul-11	08-Jul-11	41d	100%
1D-14R-SP4-844	Sub-base 220mm all carriageway areas	4d 23-Mar-11	28-Mar-11	18d	100%
1D-14R-SP4-895	Kerbing - Eastbound/Westbound K7	9d 29-Mar-11	12-Apr-11	14d	100%
1D-14R-SP4-847	Signs / Street Furniture	5d 31-Mar-11	08-Apr-11	21d	100%
1D-14R-SP4-868	Sub-base shape all carriageway areas	6d 05-Apr-11	13-Apr-11	14d	100%
1D-14R-SP4-866	Gullies	3d 08-Apr-11	13-Apr-11	16d	100%
1D-14R-SP4-849	Traffic Signals	2d 12-Apr-11	14-Apr-11	22d	100%
1D-14R-SP4-1040	Pedestrian Guardrails	0d 12-Apr-11		101d	100%
1D-14R-SP4-861	Footpath Works	0d 13-Apr-11		101d	100%
1D-14R-SP4-822	225mm Base - Nearside Lanes only	5d 13-Apr-11	20-Apr-11	16d	100%
1D-14R-SP4-843	Kerbing - Tramstop K7/K11	14d 08-Jun-11	28-Jun-11	40d	100%
1D-14R-SP4-854	Settled Area	16d 15-Jun-11	11-Jul-11	40d	100%
1D-14R-SP4-905	225mm Base	2d 28-Jun-11	30-Jun-11	41d	100%
1D-14R-SP4-876	60mm Binder	2d 30-Jun-11	04-Jul-11	35d	100%

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ID	Description	Start	End	Duration
1D-14R-SP4-857	35mm Wearing Course	2d 04-Oct-11	16-Sep-11	14d
1D-14W-SP5-708	Plane Main Carriageway 250mm	1d 15-Sep-11	16-Sep-11	1d
1D-14W-SP5-727	Core/Cast OLE Pole Foundations	2d 18-Sep-11	16-Sep-11	1d
1D-14W-SP5-738	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	2d 14-Sep-11	16-Sep-11	1d
1D-14W-SP5-719	Remove existing kerbs	2d 14-Sep-11	16-Sep-11	1d
1D-14W-SP5-940	Check suitability of formation (ongoing)	0d 14-Sep-11		
1D-14W-SP5-741	Capping Layer to Adjacent Carriageway (600mm)	1d 15-Sep-11	16-Sep-11	1d
1D-14W-SP5-722	Make good Formation with Type 1 (Ave 220mm)	1d 16-Sep-11	19-Sep-11	1d
1D-14W-SP5-723	Installation of IMU Drains and Cable Ducting	1d 19-Sep-11	20-Sep-11	1d
1D-14W-SP5-754	Carry out inspection and testing of Subgrade	1d 20-Sep-11	21-Sep-11	1d
1D-14W-SP5-805	Blinding Concrete	1d 21-Sep-11	22-Sep-11	1d
1D-14W-SP5-756	250mm RC Improvement Slab (+ cure lag)	1d 22-Sep-11	23-Sep-11	1d
1D-14W-SP5-737	Access for Track Laying	0d 04-Oct-11		
1D-14W-SP5-748	Installation of Noise & Vibration Mat (if reqd)	0d 04-Oct-11		
1D-14W-TRCK-70(3)	Set track (1x36m)(sleepers/raii) + mob	6d 04-Oct-11	12-Oct-11	1d
1D-14W-SP5-950	Welding & Grinding	2d 05-Oct-11	07-Oct-11	1d
1D-14W-SP5-751	Drainage / Rail Connections	2d 05-Oct-11	07-Oct-11	1d
1D-14W-SP5-732	Installation of IMU Boxes and Loops	2d 05-Oct-11	07-Oct-11	1d
1D-14W-SP5-733	Final Rail Alignment - Check and Approve	2d 06-Oct-11	10-Oct-11	1d
1D-14W-SP5-784	230mm Concrete Supporting Layer (+ cure lag)	2d 10-Oct-11	12-Oct-11	1d
1D-14W-SP5-815	Road Signs and Markings	5d 25-Oct-11	04-Nov-11	1d
1D-14W-SP5-786	Mill Rail Joint / Sealing Compound	6d 29-Oct-11	07-Nov-11	1d
1D-14W-SP5-731	Signal Connections	2d 13-Sep-11	15-Sep-11	2d
1D-14W-SP5-712	Drainage to Discharge Points	3d 15-Sep-11	20-Sep-11	2d
1D-14W-SP5-713	Traction Ducts & Chambers	3d 16-Sep-11	21-Sep-11	2d
1D-14W-SP5-744	Comms Ducts & Chambers	0d 16-Sep-11		
1D-14W-SP5-795	Traffic Signal Ducts	0d 20-Sep-11		
1D-14W-SP5-746	Lighting Ducts	2d 28-Sep-11	28-Sep-11	1d
1D-14W-SP5-846	124mm Binder	1d 16-Oct-11	20-Oct-11	1d
1D-14W-SP5-827	35mm Wearing Course	1d 20-Oct-11	21-Oct-11	1d
1D-14W-SP5-838	15mm Surface Treatment	1d 25-Oct-11	26-Oct-11	1d
1D-14W-SP5-1030	Excavate existing Junction	1d 22-Sep-11	25-Sep-11	2d
1D-14W-SP5-851	Kerbing	10d 25-Sep-11	10-Oct-11	2d
1D-14W-SP5-812	Settled Area	6d 30-Sep-11	10-Oct-11	2d
1D-14W-SP5-823	Footpath	3d 10-Oct-11	13-Oct-11	2d
1D-14W-SP5-845	Sub-base 220mm at carriageway areas	4d 15-Sep-11	22-Sep-11	1d
1D-14W-SP5-816	Kerbing - Eastbound/stands/Crossings	2d 22-Sep-11	26-Sep-11	1d
1D-14W-SP5-797	Gullies	2d 23-Sep-11	27-Sep-11	1d
1D-14W-SP5-798	Signs / Street Furniture	6d 26-Sep-11	03-Oct-11	1d
1D-14W-SP5-779	Sub-base shape all carriageway areas	1d 26-Sep-11	27-Sep-11	1d
1D-14W-SP5-980	Traffic Signals	0d 26-Sep-11		
1D-14W-SP5-791	Footpath Works	10d 26-Sep-11	10-Oct-11	31d
1D-14W-SP5-762	225mm Base	1d 03-Oct-11	04-Oct-11	1d

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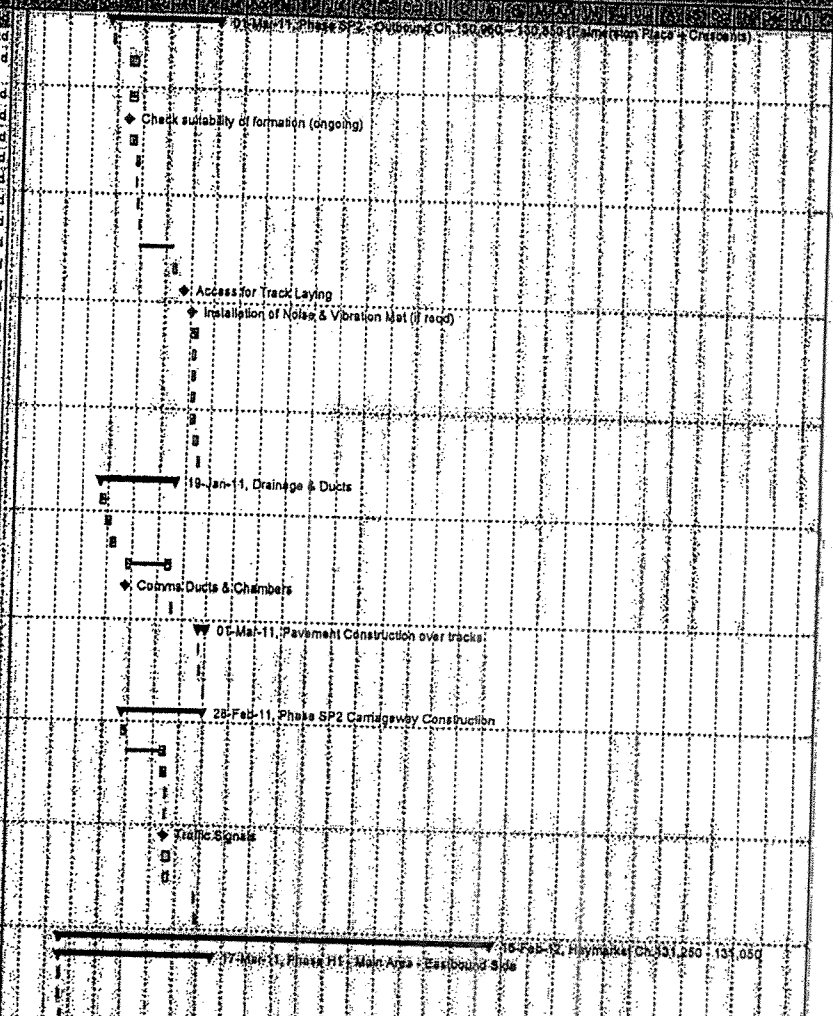
Date	Revision	Checked	Approved	Page 13 of 44
29-Jul-10	Project Carlisle Programme	SSC/MRE	BSC	

Remaining Work
 Critical Remaining Work
 Summary
 Actual Work
 Milestone

ID	Description	Start	End	Duration	Summary
1D-14W-SP6-783	60mm Binder	1d 21-Oct-11	24-Oct-11	1d	
1D-14W-SP6-824	35mm Wearing Course	1d 24-Oct-11	25-Oct-11	1d	
1D-14X-SP6-888	Core/Cast OLE Pole Foundations	3d 07-Nov-11	10-Nov-11	7d	
1D-14X-SP6-878	Plane Main Carriageway 250mm	2d 11-Nov-11	15-Nov-11	10d	
1D-14X-SP6-888	Excavate to Formation for Carriageway and Track (Incl for Capping/Type 1)	4d 15-Nov-11	21-Nov-11	10d	
1D-14X-SP6-859	Remove existing kerbs	4d 15-Nov-11	21-Nov-11	20d	
1D-14X-SP6-1050	Check suitability of formation (ongoing)	0d 15-Nov-11		11d	◆ Check suitability of formation (ongoing)
1D-14X-SP6-871	Capping Layer to Adjacent Carriageway (600mm)	3d 18-Nov-11	21-Nov-11	10d	
1D-14X-SP6-832	Make good Formation with Type 1 (Ave 220mm)	1d 21-Nov-11	22-Nov-11	20d	
1D-14X-SP6-853	Installation of IMU Drains and Cable Ducting	2d 22-Nov-11	24-Nov-11	20d	
1D-14X-SP6-864	Carry out inspection and testing of Subgrade	1d 24-Nov-11	25-Nov-11	20d	
1D-14X-SP6-915	Blinding Concrete	2d 25-Nov-11	28-Nov-11	20d	
1D-14X-SP6-896	250mm RC Improvement Slab (+ cure lag)	5d 29-Nov-11	12-Jan-12	20d	
1D-14X-SP6-887	Access for Track Laying	0d 30-Jan-12		10d	◆ Access for Track Laying
1D-14X-SP6-888	Installation of Noise & Vibration Mat (if reqd)	0d 30-Jan-12		10d	◆ Installation of Noise & Vibration Mat (if reqd)
1D-14X-TRCK-70(3)	Set track (1x144m)(sleepers/rail) + mob	8d 30-Jan-12	09-Feb-12	10d	
1D-14X-SP6-1050	Welding & Grinding	4d 31-Jan-12	06-Feb-12	10d	
1D-14X-SP6-881	Drainage / Rail Connections	4d 31-Jan-12	06-Feb-12	10d	
1D-14X-SP6-842	Installation of IMU Boxes and Loops	4d 31-Jan-12	06-Feb-12	10d	
1D-14X-SP6-863	Final Rail Alignment - Check and Approve	4d 01-Feb-12	07-Feb-12	10d	
1D-14X-SP6-874	230mm Concrete Supporting Layer (+ cure lag)	5d 03-Feb-12	10-Feb-12	10d	
1D-14X-SP6-877	OLE Wall Fixings Inbound	3d 10-Feb-12	15-Feb-12	37d	
1D-14X-SP6-852	Mill Rail Joint / Sealing Compound	3d 27-Feb-12	01-Mar-12	20d	
1D-14X-SP6-1120	Outfall Connections	1d 02-Nov-11	08-Nov-11	21d	
1D-14X-SP6-951	Drainage to Discharge Points	7d 15-Nov-11	24-Nov-11	18d	
1D-14X-SP6-922	Traction Ducts & Chambers	7d 21-Nov-11	30-Nov-11	28d	
1D-14X-SP6-933	Comms Ducts & Chambers	7d 21-Nov-11	30-Nov-11	28d	
1D-14X-SP6-944	Traffic Signal Ducts	4d 24-Nov-11	30-Nov-11	18d	
1D-14X-SP6-975	Lighting Ducts	2d 16-Jan-12	18-Jan-12	57d	
1D-14X-SP6-856	124mm Binder	2d 17-Feb-12	21-Feb-12	10d	
1D-14X-SP6-837	35mm Wearing Course	1d 21-Feb-12	22-Feb-12	10d	
1D-14X-SP6-858	15mm Surface Treatment	1d 24-Feb-12	27-Feb-12	20d	
1D-14X-SP6-890	Sub-base 220mm all carriageway areas	4d 21-Nov-11	25-Nov-11	10d	
1D-14X-SP6-801	Kerbing - Eastbound/Islands/Crossings	9d 25-Nov-11	16-Jan-12	10d	
1D-14X-SP6-793	Signs / Street Furniture	5d 29-Nov-11	12-Jan-12	20d	
1D-14X-SP6-834	Sub-base shape all carriageway areas	4d 11-Jan-12	17-Jan-12	17d	
1D-14X-SP6-782	Gullies	2d 13-Jan-12	17-Jan-12	17d	
1D-14X-SP6-855	Traffic Signals	10d 16-Jan-12	30-Jan-12	19d	
1D-14X-SP6-826	Footpath Works	11d 16-Jan-12	31-Jan-12	48d	
1D-14X-SP6-797	225mm Base	2d 28-Jan-12	30-Jan-12	10d	
1D-14X-SP6-808	60mm Binder	1d 22-Feb-12	23-Feb-12	10d	
1D-14X-SP6-799	35mm Wearing Course	1d 23-Feb-12	24-Feb-12	10d	
1D-14X-SP6-1000	Finishes to Crescents	20d 24-Feb-12	23-Mar-12	10d	
1D-14X-SP6-811	Road Signs and Markings	5d 24-Feb-12	02-Mar-12	25d	

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ID	Description	Start	End	Duration
1D-14V-SP2-525	Plane Main Carriageway 250mm	2d 25-Oct-10	27-Oct-10	32d
1D-14V-SP2-535	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	7d 15-Nov-10	24-Nov-10	21d
1D-14V-SP2-536	Remove existing kerbs	7d 15-Nov-10	24-Nov-10	25d
1D-14V-SP2-537	Check suitability of formation (ongoing)	0d 15-Nov-10		22d
1D-14V-SP2-538	Capping Layer to Adjacent Carriageway (500mm)	6d 18-Nov-10	24-Nov-10	21d
1D-14V-SP2-533	Core/Cast OLE Pole Foundations	3d 24-Nov-10	29-Nov-10	22d
1D-14V-SP2-539	Make good Formation with Type 1 (Ave 220mm)	1d 24-Nov-10	25-Nov-10	25d
1D-14V-SP2-700	Installation of IMU Drains and Cable Ducting	2d 25-Nov-10	29-Nov-10	25d
1D-14V-SP2-541	Carry out inspection and testing of Subgrade	1d 29-Nov-10	30-Nov-10	26d
1D-14V-SP2-542	Blinding Concrete	1d 30-Nov-10	10-Jan-11	25d
1D-14V-SP2-543	250mm RC Improvement Slab (+ cure lag)	4d 10-Jan-11	14-Jan-11	25d
1D-14V-SP2-544	Access for Track Laying	0d 24-Jan-11		21d
1D-14V-SP2-545	Installation of Noise & Vibration Mat (if reqd)	0d 02-Feb-11		14d
1D-14V-TRCK-70(S)	Set track (1x108m)(sleepers/rail) + mob	7d 02-Feb-11	11-Feb-11	14d
1D-14V-SP2-547	Welding & Grinding	3d 03-Feb-11	08-Feb-11	14d
1D-14V-SP2-548	Drainage / Rail Connections	3d 03-Feb-11	08-Feb-11	18d
1D-14V-SP2-549	Installation of IMU Boxes and Loops	3d 03-Feb-11	08-Feb-11	18d
1D-14V-SP2-710	Final Rail Alignment - Check and Approve	3d 04-Feb-11	09-Feb-11	14d
1D-14V-SP2-551	230mm Concrete Supporting Layer (+ cure lag)	4d 08-Feb-11	14-Feb-11	14d
1D-14V-SP2-534	OLE Wall Fixings Outbound	2d 14-Feb-11	16-Feb-11	23d
1D-14V-SP2-527	Outfall Connections	4d 22-Oct-10	28-Oct-10	45d
1D-14V-SP2-528	Drainage to Discharge Points	4d 28-Oct-10	05-Nov-10	45d
1D-14V-SP2-531	Traction Signal Ducts	4d 05-Nov-10	11-Nov-10	45d
1D-14V-SP2-529	Traction Ducts & Chambers	10d 24-Nov-10	17-Jan-11	26d
1D-14V-SP2-720	Comms Ducts & Chambers	0d 24-Nov-10		38d
1D-14V-SP2-532	Lighting Ducts	2d 17-Jan-11	19-Jan-11	43d
1D-14V-SP2-553	124mm Blower	1d 21-Feb-11	22-Feb-11	14d
1D-14V-SP2-554	35mm Wearing Course	1d 22-Feb-11	23-Feb-11	14d
1D-14V-SP2-555	15mm Surface Treatment	1d 28-Feb-11	01-Mar-11	14d
1D-14V-SP2-557	Sub-base 220mm all carriageway areas	4d 24-Nov-10	30-Nov-10	21d
1D-14V-SP2-558	Kerbing - Eastbound/Islands/Crossings	6d 30-Nov-10	17-Jan-11	21d
1D-14V-SP2-810	Signs / Street Furniture	5d 11-Jan-11	18-Jan-11	21d
1D-14V-SP2-559	Gullies	1d 17-Jan-11	18-Jan-11	21d
1D-14V-SP2-561	Sub-base shape all carriageway areas	1d 17-Jan-11	18-Jan-11	21d
1D-14V-SP2-562	Traffic Signals	0d 17-Jan-11		26d
1D-14V-SP2-563	Footpath Works	6d 17-Jan-11	25-Jan-11	39d
1D-14V-SP2-564	225mm Base	4d 18-Jan-11	24-Jan-11	21d
1D-14V-SP2-565	60mm Binder	2d 23-Feb-11	25-Feb-11	14d
1D-14V-SP2-566	35mm Wearing Course	1d 25-Feb-11	29-Feb-11	14d
1D-14CD-H1-681	Erect Pedestrian Barrier	2d 16-Sep-10	20-Sep-10	10d
1D-14CD-H1-682	Site Clearance & Site Compound	1d 17-Sep-10	20-Sep-10	60d
1D-14CD-H1-683	Plane Main Carriageway Area - south of access lane over vo...	2d 20-Sep-10	22-Sep-10	10d

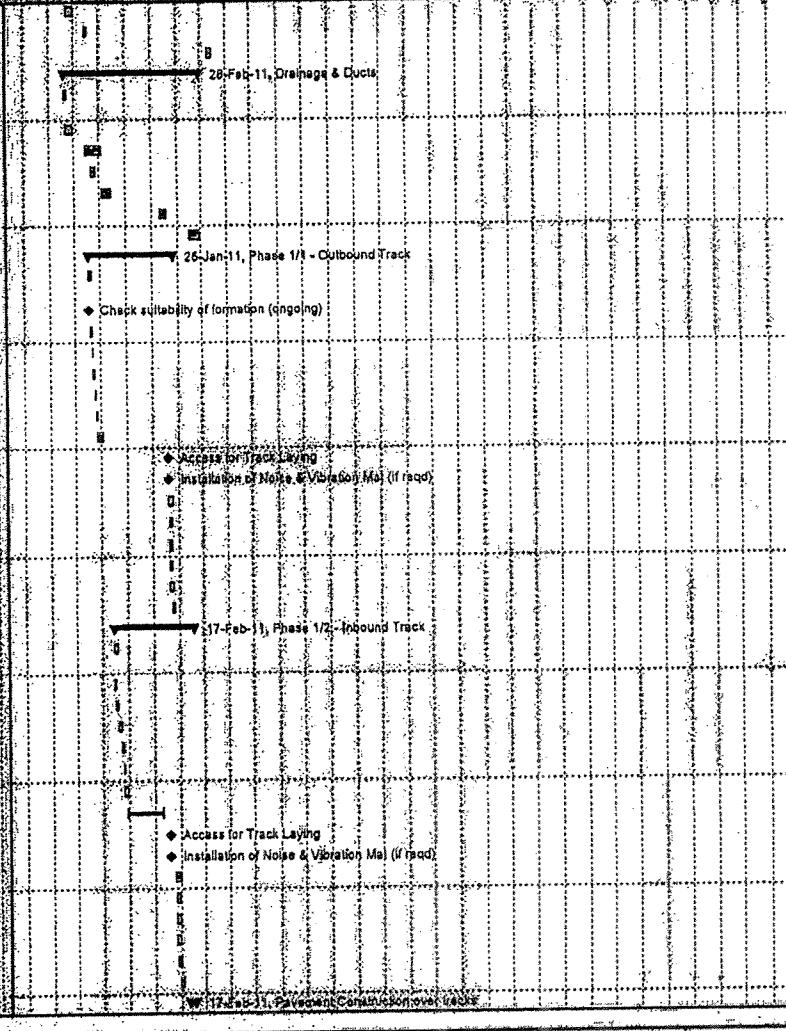


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Date	Revision	Checked	Approved
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC

Remaining Work
 Critical Remaining Work
 Summary
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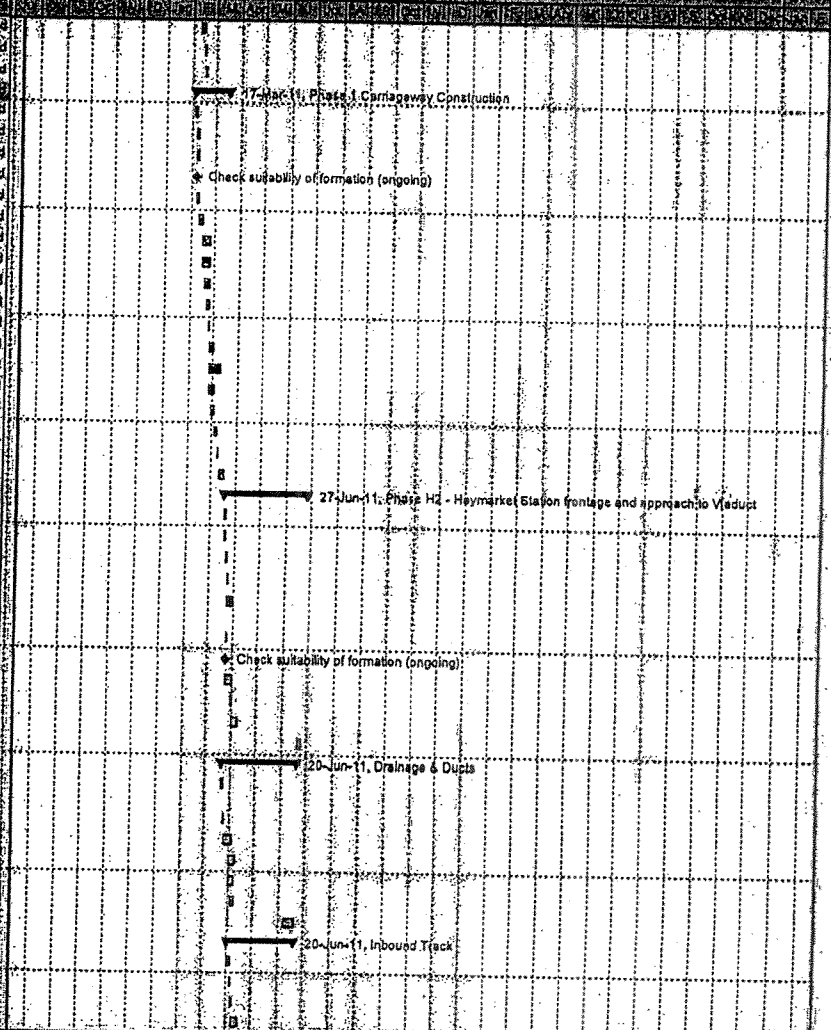
ID	Description	Start	End	Duration	Progress
1D-14CD-H1-880	Core/Cast OLE Pole Foundations	7d 22-Sep-10	01-Oct-10	78d	100%
1D-14CD-H1-671	Plane out existing surfacing over remainder of Phase 1	2d 14-Oct-10	16-Oct-10	10d	100%
1D-14CD-H1-678	Mill Rail Joint / Sealing Compound	4d 09-Mar-11	18-Mar-11	152d	100%
1D-14CD-H1-803	Investigate services / fault positions / inlet-outlet positions / levels	2d 20-Sep-10	22-Sep-10	27d	100%
1D-14CD-H1-674	Outfall Connections	6d 21-Sep-10	29-Sep-10	27d	100%
1D-14CD-H1-685	Drainage to Discharge Points	12d 14-Oct-10	03-Nov-10	12d	100%
1D-14CD-H1-658	Traction Signal Ducts	4d 21-Oct-10	27-Oct-10	69d	100%
1D-14CD-H1-686	Traction Ducts & Chambers	6d 03-Nov-10	15-Nov-10	10d	100%
1D-14CD-H1-657	Comms Ducts & Chambers	6d 11-Jan-11	19-Jan-11	10d	100%
1D-14CD-H1-649	Lighting Ducts	9d 15-Feb-11	28-Feb-11	14d	100%
1D-14C-H1-902	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	3d 18-Oct-10	21-Oct-10	10d	100%
1D-14C-H1-913	Check suitability of formation (ongoing)	0d 18-Oct-10		10d	100%
1D-14C-H1-924	Capping Layer to Adjacent Carriageway (600mm)	2d 19-Oct-10	21-Oct-10	17d	100%
1D-14C-H1-945	Make good Formation with Type 1 (Ave 220mm)	1d 21-Oct-10	22-Oct-10	10d	100%
1D-14C-H1-926	Installation of IMU Drains and Cable Ducting	1d 22-Oct-10	25-Oct-10	10d	100%
1D-14C-H1-927	Carry out inspection and testing of Subgrade	1d 25-Oct-10	26-Oct-10	10d	100%
1D-14C-H1-938	Blinding Concrete	1d 26-Oct-10	27-Oct-10	10d	100%
1D-14C-H1-919	Place RC Improvement Slab (+ cure lag)	3d 27-Oct-10	03-Nov-10	10d	100%
1D-14C-H1-1110	Access for Track Laying	0d 19-Jan-11		10d	100%
1D-14C-H1-941	Installation of Noise & Vibration Mat (if reqd)	0d 19-Jan-11		10d	100%
1D-14C-TRCK-70(3)	Set staggered track (1x54m)(sleepers/rail)	4d 18-Jan-11	25-Jan-11	10d	100%
1D-14C-H1-923	Welding & Grinding	2d 20-Jan-11	24-Jan-11	155d	100%
1D-14C-H1-934	Drainage / Rail Connections	2d 20-Jan-11	24-Jan-11	155d	100%
1D-14C-H1-955	Installation of IMU Boxes and Loops	2d 20-Jan-11	24-Jan-11	155d	100%
1D-14C-H1-936	Final Rail Alignment - Check and Approve	2d 21-Jan-11	25-Jan-11	153d	100%
1D-14C-H1-937	230mm Concrete Supporting Layer (incl cure lag)	2d 24-Jan-11	26-Jan-11	153d	100%
1D-14D-H1-889	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	4d 19-Nov-10	19-Nov-10	10d	100%
1D-14D-H1-1080	Check suitability of formation (ongoing)	1d 15-Nov-10	16-Nov-10	13d	100%
1D-14D-H1-901	Capping Layer to Adjacent Carriageway (600mm)	3d 16-Nov-10	19-Nov-10	13d	100%
1D-14D-H1-872	Make good Formation with Type 1 (Ave 220mm)	2d 19-Nov-10	23-Nov-10	10d	100%
1D-14D-H1-883	Installation of IMU Drains and Cable Ducting	2d 23-Nov-10	25-Nov-10	10d	100%
1D-14D-H1-894	Carry out inspection and testing of Subgrade	1d 25-Nov-10	26-Nov-10	10d	100%
1D-14D-H1-925	Blinding Concrete	2d 26-Nov-10	30-Nov-10	10d	100%
1D-14D-H1-906	Place RC Improvement Slab (+ cure lag)	3d 29-Nov-10	11-Jan-11	10d	100%
1D-14D-H1-897	Access for Track Laying	0d 19-Jan-11		10d	100%
1D-14D-H1-918	Installation of Noise & Vibration Mat (if reqd)	0d 19-Jan-11		10d	100%
1D-14D-TRCK-70(3)	Set track (1x108m)(sleepers/rail)	5d 25-Jan-11	01-Feb-11	10d	100%
1D-14D-H1-1090	Welding & Grinding	3d 26-Jan-11	31-Jan-11	14d	100%
1D-14D-H1-911	Drainage/Rail Connections	3d 26-Jan-11	31-Jan-11	14d	100%
1D-14D-H1-882	Installation of IMU Boxes and Loops	3d 26-Jan-11	31-Jan-11	14d	100%
1D-14D-H1-893	Final Rail Alignment - Check and Approve	3d 27-Jan-11	01-Feb-11	10d	100%
1D-14D-H1-904	230mm Concrete Supporting Layer (incl cure lag)	4d 31-Jan-11	04-Feb-11	10d	100%



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Date	Revision	Checked	Approved	Page 15 of 44	Remaining Work	Critical Remaining Work	Summary
29 Jul 10	Project Carlisle Programme	SSC/MHE	BSC		Actual Work	Milestone	

1D-14CD-H1-738	124mm Binder	2d 11-Feb-11	16-Feb-11	148d
1D-14CD-H1-717	35mm Wearing Course	1d 15-Feb-11	18-Feb-11	148d
1D-14CD-H1-718	13mm Surface Treatment	1d 16-Feb-11	17-Feb-11	148d
1D-14CD-H1-910	Plane Access Area - Eastbound Lane	1d 04-Feb-11	07-Feb-11	150d
1D-14CD-H1-701	Excavate Eastbound Lane to Formation (incl for Capping)	2d 07-Feb-11	09-Feb-11	160d
1D-14CD-H1-692	Remove existing kerbs	2d 07-Feb-11	09-Feb-11	160d
1D-14CD-H1-693	Check suitability of formation (ongoing)	0d 07-Feb-11		160d
1D-14CD-H1-724	Capping Layer to Eastbound Carriageway (600mm)	2d 07-Feb-11	09-Feb-11	160d
1D-14CD-H1-735	Sub-base 220mm all carriageway areas	4d 09-Feb-11	15-Feb-11	160d
1D-14CD-H1-716	Kerbing K7 - Eastbound/Islands/Crossings	7d 15-Feb-11	24-Feb-11	110d
1D-14CD-H1-697	Kerbing K11	8d 15-Feb-11	25-Feb-11	109d
1D-14CD-H1-920	Signs / Street Furniture	5d 17-Feb-11	24-Feb-11	120d
1D-14CD-H1-711	Sub-base shape all carriageway areas	4d 21-Feb-11	25-Feb-11	110d
1D-14CD-H1-699	Gullies	2d 23-Feb-11	25-Feb-11	110d
1D-14CD-H1-702	Traffic Signals	4d 24-Feb-11	02-Mar-11	130d
1D-14CD-H1-709	Settled Areas	9d 25-Feb-11	10-Mar-11	100d
1D-14CD-H1-734	225mm Base	5d 25-Feb-11	04-Mar-11	110d
1D-14CD-H1-703	Footpath Works	4d 28-Feb-11	04-Mar-11	140d
1D-14CD-H1-745	60mm Binder	2d 04-Mar-11	08-Mar-11	110d
1D-14CD-H1-726	35mm Wearing Course	1d 08-Mar-11	09-Mar-11	110d
1D-14CD-H1-707	Road Signs and Markings	5d 10-Mar-11	17-Mar-11	100d
1D-14G-H2-900	Erect Pedestrian Barrier	2d 17-Mar-11	21-Mar-11	130d
1D-14G-H2-691	Site Clearance	2d 17-Mar-11	21-Mar-11	130d
1D-14G-H2-672	Plane Main Carriageway 250mm	2d 21-Mar-11	23-Mar-11	130d
1D-14G-H2-673	Plane Haymarket Station frontage	1d 23-Mar-11	24-Mar-11	130d
1D-14G-H2-683	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	6d 23-Mar-11	31-Mar-11	130d
1D-14G-H2-714	Remove existing kerbs	2d 23-Mar-11	25-Mar-11	133d
1D-14G-H2-725	Check suitability of formation (ongoing)	0d 23-Mar-11		135d
1D-14G-H2-706	Capping Layer to Adjacent Carriageway (600mm)	6d 23-Mar-11	31-Mar-11	137d
1D-14G-H2-697	Make good Formation with Type 1 (Ave 220mm)	1d 30-Mar-11	31-Mar-11	130d
1D-14G-H2-692	Core/Cast OLE Pole Foundations	5d 31-Mar-11	08-Apr-11	150d
1D-14G-H2-699	Mill Rail Joint / Sealing Compound	4d 20-Jun-11	24-Jun-11	131d
1D-14G-H2-715	Investigate services / outfall positions / inlet-outlet positions / levels	2d 21-Mar-11	23-Mar-11	184d
1D-14G-H2-696	Outfall Connections	2d 23-Mar-11	25-Mar-11	173d
1D-14G-H2-677	Drainage to Discharge Points	5d 25-Mar-11	04-Apr-11	173d
1D-14G-H2-688	Traction Ducts & Chambers	5d 31-Mar-11	08-Apr-11	177d
1D-14G-H2-669	Comms Ducts & Chambers	3d 31-Mar-11	06-Apr-11	180d
1D-14G-H2-690	Traffic Signal Ducts	4d 04-Apr-11	08-Apr-11	173d
1D-14G-H2-681	Lighting Ducts	9d 07-Jun-11	20-Jun-11	100d
1D-14G-H2-849	Installation of IMU Drains and Cable Ducting	2d 31-Mar-11	05-Apr-11	130d
1D-14G-H2-1140	Carry out inspection and testing of Subgrade	1d 05-Apr-11	06-Apr-11	130d
1D-14G-H2-981	Blinding Concrete	2d 06-Apr-11	08-Apr-11	130d
1D-14G-H2-842	Place RC Improvement Slab (+ cure leg)	6d 07-Apr-11	15-Apr-11	130d



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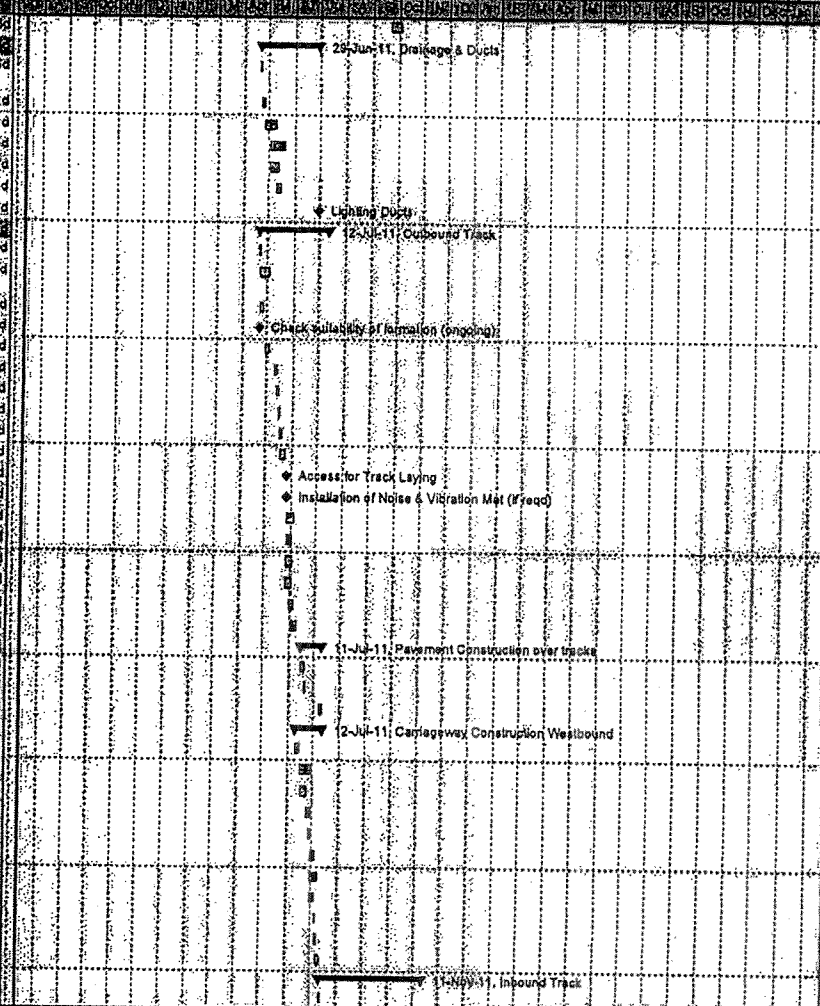
Date	Revision	Checked	Approved
29-JUL-10	Project Carlisle Programme	BSC/MHE	BSC

Remaining Work
 Critical Remaining Work
 Summary
 Actual Work
 Milestone

ID	Description	Start	End	Value	Notes			
1D-14G-H2-933	Access for Track Laying	0d 19-Apr-11		1500	◆ Access for Track Laying			
1D-14G-H2-974	Installation of Noise & Vibration Mat (if reqd)	0d 19-Apr-11		1000	◆ Installation of Noise & Vibration Mat (if reqd)			
1D-14G-TRCK-70(3)	Set track (1x72m + 1x128)(sleepers/rail) + mob	9d 19-Apr-11	03-May-11	1500				
1D-14G-H2-986	Welding & Grinding	8d 20-Apr-11	28-Apr-11	1500				
1D-14G-H2-947	Drainage/Rail Connections	6d 20-Apr-11	26-Apr-11	1540				
1D-14G-H2-988	Installation of IMU Boxes and Loops	8d 20-Apr-11	28-Apr-11	1340				
1D-14G-H2-959	Final Rail Alignment - Check and Approve	6d 21-Apr-11	29-Apr-11	1500				
1D-14G-H2-1150	230mm Concrete Supporting Layer (incl cure lag)	7d 25-Apr-11	05-May-11	1400				
Pavement Construction over tracks					28d 12-May-11	20-Jun-11	1500	20-Jun-11, Pavement Construction over tracks
1D-14G-H2-932	124mm Binder	2d 12-May-11	16-May-11	1830				
1D-14G-H2-953	35mm Wearing Course	1d 16-May-11	17-May-11	1530				
1D-14G-H2-984	15mm Surface Treatment	1d 17-Jun-11	20-Jun-11	1310				
Carriageway Construction Westbound					27d 20-Jun-11	27-Jun-11	1500	27-Jun-11, Carriageway Construction Westbound
1D-14G-H2-988	Sub-base 220mm all carriageway areas	4d 05-May-11	11-May-11	1500				
1D-14G-H2-987	Strengthened Kerb (ULE90130-01-HRL-01135)	8d 11-May-11	19-May-11	1300				
1D-14G-H2-988	Kerbing K7 - Westbound/Islands/Crossings	12d 19-May-11	07-Jun-11	1500				
1D-14G-H2-1170	Signs / Street Furniture	5d 23-May-11	31-May-11	1374				
1D-14G-H2-979	Gullies	4d 02-Jun-11	08-Jun-11	1510				
1D-14G-H2-1001	Sub-base shape all carriageway areas	4d 02-Jun-11	08-Jun-11	1310				
1D-14G-H2-962	Traffic Signals	4d 07-Jun-11	13-Jun-11	1350				
1D-14G-H2-994	225mm Base	5d 08-Jun-11	15-Jun-11	1310				
1D-14G-H2-983	Footpath Works	4d 14-Jun-11	20-Jun-11	1300				
1D-14G-H2-1025	60mm Binder	1d 15-Jun-11	16-Jun-11	1310				
1D-14G-H2-986	35mm Wearing Course	1d 16-Jun-11	17-Jun-11	1310				
1D-14G-H2-977	Road Signs and Markings	6d 20-Jun-11	27-Jun-11	1300				
Haymarket Station					05d 05-Jun-11	20-Jun-11	1000	05-Jun-11, Haymarket Station
1D-14G-H2-1100	Excavation	4d 24-Mar-11	20-Apr-11	1000				
1D-14G-H2-991	Kerbing K7	6d 08-Apr-11	18-Apr-11	1800				
1D-14G-H2-973	Footpath Works / Finishes	4d 12-Apr-11	16-Apr-11	1850				
1D-14G-H2-952	Kerbing K11	4d 11-May-11	17-May-11	1500				
1D-14G-H2-984	Settled Areas	15d 17-May-11	08-Jun-11	1800				
Phase H3A - Ch.13, 100 - 131,050 (West Mainland Street)					18d 05-Jun-11	23-Jun-11	1000	18-Jun-11, Phase H3A - Ch.13, 100 - 131,050 (West Mainland Street)
1D-14MN-H3A-978	Erect Pedestrian Barrier	1d 17-Mar-11	18-Mar-11	100				
1D-14MN-H3A-957	Site Clearance	1d 17-Mar-11	18-Mar-11	100				
1D-14MN-H3A-978	Plane Main Carriageway 250mm - Eastbound side over voids	2d 18-Mar-11	22-Mar-11	100				
1D-14MN-H3A-346	Kerbing	1d 07-Apr-11	08-Apr-11	100				
1D-14MN-H3A-348	Sub-base shape all carriageway areas	1d 08-Apr-11	11-Apr-11	110				
1D-14MN-H3A-349	Footpath Works	2d 08-Apr-11	12-Apr-11	150				
1D-14MN-H3A-347	Signs / Street Furniture	1d 11-Apr-11	12-Apr-11	100				
1D-14MN-H3A-490	225mm Base	1d 12-Apr-11	13-Apr-11	100				
1D-14MN-H3A-391	60mm Binder	1d 13-Apr-11	14-Apr-11	100				
1D-14MN-H3A-352	35mm Wearing Course	1d 14-Apr-11	15-Apr-11	100				
1D-14MN-H3A-343	Road Signs and Markings	1d 15-Apr-11	18-Apr-11	100				
Phase H3B - Ch.13, 100 - 130,950 (West Mainland Street)					11d 11-Nov-11	21-Sep-11	1000	11-Nov-11, Phase H3B - Ch.13, 100 - 130,950 (West Mainland Street)
1D-14MN-H3B-695	Erect Pedestrian Barrier	2d 18-Apr-11	20-Apr-11	100				
1D-14MN-H3B-676	Site Clearance	5d 18-Apr-11	23-Apr-11	130				
1D-14MN-H3B-705	Core/Cast OLE Pole Foundations	5d 03-May-11	10-May-11	300				
1D-14MN-H3B-686	OLE Wall Fixings	4d 15-Sep-11	21-Sep-11	870				

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ID	Description	Start	End	Duration	Progress
1D-14M-H3B-80	Installation of traffic light control - Junction 46	3d 21-Sep-11	03-Oct-11	10d	100%
1D-14MN-H3B-668	Investigate services / outfall positions / inlet-outlet positions / levels	2d 20-Apr-11	22-Apr-11	16d	100%
1D-14MN-H3B-659	Outfall Connections	2d 22-Apr-11	28-Apr-11	41d	100%
1D-14MN-H3B-660	Drainage to Discharge Points	9d 26-Apr-11	10-May-11	44d	100%
1D-14MN-H3B-651	Traction Ducts & Chambers	12d 03-May-11	19-May-11	15d	100%
1D-14MN-H3B-652	Comms Ducts & Chambers	8d 03-May-11	13-May-11	167d	100%
1D-14MN-H3B-653	Traffic Signal Ducts	4d 10-May-11	16-May-11	41d	100%
1D-14MN-H3B-664	Lighting Ducts	0d 29-Jun-11		17d	100%
1D-14M-H3B-778	Plane Main Carriageway 250mm	2d 20-Apr-11	22-Apr-11	10d	100%
1D-14M-H3B-749	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	6d 22-Apr-11	03-May-11	10d	100%
1D-14M-H3B-850	Remove existing kerbs	2d 22-Apr-11	26-Apr-11	19d	100%
1D-14M-H3B-761	Check suitability of formation (ongoing)	0d 22-Apr-11		14d	100%
1D-14M-H3B-742	Capping Layer to Adjacent Carriageway (600mm)	2d 28-Apr-11	03-May-11	10d	100%
1D-14M-H3B-743	Make good Formation with Type 1 (Ave 220mm)	2d 10-May-11	12-May-11	10d	100%
1D-14M-H3B-794	Installation of IMU Drains and Cable Ducting	2d 12-May-11	18-May-11	10d	100%
1D-14M-H3B-825	Carry out inspection and testing of Subgrade	1d 16-May-11	17-May-11	10d	100%
1D-14M-H3B-806	Blinding Concrete	2d 17-May-11	19-May-11	16d	100%
1D-14M-H3B-777	Place RC Improvement Slab (+ cure lag)	4d 18-May-11	24-May-11	10d	100%
1D-14M-H3B-768	Access for Track Laying	0d 28-May-11		10d	100%
1D-14M-H3B-759	Installation of Noise & Vibration Mat (if reqd)	0d 28-May-11		10d	100%
1D-14M-TRCK-70(3)	Set track (1x144m)(sleepers/rail)	6d 28-May-11	06-Jun-11	10d	100%
1D-14M-H3B-781	Welding & Grinding	4d 27-May-11	03-Jun-11	10d	100%
1D-14M-H3B-752	Drainage/Rail Connections	4d 27-May-11	03-Jun-11	6d	100%
1D-14M-H3B-753	Installation of IMU Boxes and Loops	4d 27-May-11	03-Jun-11	14d	100%
1D-14M-H3B-804	Final Rail Alignment - Check and Approve	4d 31-May-11	06-Jun-11	10d	100%
1D-14M-H3B-836	230mm Concrete Supporting Layer (incl cure lag)	6d 02-Jun-11	09-Jun-11	10d	100%
Pavement Construction over tracks					
1D-14M-H3B-747	124mm Binder	2d 16-Jun-11	20-Jun-11	8d	100%
1D-14M-H3B-758	35mm Wearing Course	1d 20-Jun-11	21-Jun-11	8d	100%
1D-14M-H3B-739	15mm Surface Treatment	1d 08-Jul-11	11-Jul-11	7d	100%
Carriageway Construction Westbound					
1D-14M-H3B-371	Sub-base 220mm all carriageway areas	2d 09-Jun-11	11-Jun-11	10d	100%
1D-14M-H3B-372	Kerbing K7 - Westbound/Islands/Crossings	4d 09-Jun-11	18-Jun-11	10d	100%
1D-14M-H3B-374	Signs / Street Furniture	10d 15-Jun-11	29-Jun-11	10d	100%
1D-14M-H3B-425	Sub-base shape all carriageway areas	5d 17-Jun-11	24-Jun-11	14d	100%
1D-14M-H3B-363	Gullies	4d 24-Jun-11	30-Jun-11	10d	100%
1D-14M-H3B-378	Traffic Signals	3d 27-Jun-11	30-Jun-11	10d	100%
1D-14M-H3B-367	Footpath Works	4d 29-Jun-11	05-Jul-11	10d	100%
1D-14M-H3B-369	225mm Base	7d 29-Jun-11	06-Jul-11	10d	100%
1D-14M-H3B-359	60mm Binder	3d 30-Jun-11	05-Jul-11	10d	100%
1D-14M-H3B-550	35mm Wearing Course	2d 05-Jul-11	07-Jul-11	10d	100%
1D-14M-H3B-381	Road Signs and Markings	1d 07-Jul-11	08-Jul-11	10d	100%
1D-14M-H3B-373	Plane Main Carriageway 250mm	2d 12-Jul-11	14-Jul-11	10d	100%



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Date	Revision	Checked	Approved
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC

Remaining Work
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 Milestone

ID	Description	Start	End	Duration	Progress
1D-14N-H3B-434	Excavate to Formation for Carriageway and Track (incl for Capping/Type 1)	8d 14-Jul-11	22-Jul-11	10d	100%
1D-14N-H3B-485	Remove existing kerbs	2d 14-Jul-11	18-Jul-11	12d	100%
1D-14N-H3B-428	Check suitability of formation (ongoing)	0d 14-Jul-11		14d	100%
1D-14N-H3B-377	Capping Layer to Adjacent Carriageway (600mm)	2d 20-Jul-11	22-Jul-11	29d	100%
1D-14N-H3B-378	Make good Formation with Type 1 (Ave 220mm)	2d 20-Jul-11	22-Jul-11	10d	100%
1D-14N-H3B-369	Installation of IMU Drains and Cable Ducting	2d 22-Jul-11	28-Jul-11	10d	100%
1D-14N-H3B-660	Carry out inspection and testing of Subgrade	1d 28-Jul-11	27-Jul-11	10d	100%
1D-14N-H3B-431	Blinding Concrete	2d 27-Jul-11	28-Jul-11	10d	100%
1D-14N-H3B-472	Place RC Improvement Slab (+ cure lag)	4d 28-Jul-11	03-Aug-11	10d	100%
1D-14N-H3B-433	Access for Track Laying	0d 05-Aug-11		10d	100%
1D-14N-H3B-474	Installation of Noise & Vibration Mat (if reqd)	0d 05-Aug-11		10d	100%
1D-14N-H3B-474	Installation of Noise & Vibration Mat (if reqd)	6d 05-Aug-11	12-Sep-11	10d	100%
1D-14N-TROCK-70(3)	Set track (1x144m)(sleepers/rail) + mob	4d 05-Sep-11	09-Sep-11	10d	100%
1D-14N-H3B-476	Welding & Grinding	4d 05-Sep-11	09-Sep-11	14d	100%
1D-14N-H3B-427	Drainage/Rail Connections	4d 05-Sep-11	09-Sep-11	14d	100%
1D-14N-H3B-428	Installation of IMU Boxes and Loops	4d 08-Sep-11	12-Sep-11	10d	100%
1D-14N-H3B-379	Final Rail Alignment - Check and Approve	5d 08-Sep-11	15-Sep-11	10d	100%
1D-14N-H3B-670	230mm Concrete Supporting Layer (incl cure lag)	6d 31-Oct-11	11-Nov-11	10d	100%
1D-14N-H3B-471	Mill Rail Joint / Sealing Compound	2d 22-Sep-11	31-Oct-11	33d	100%
Pavement Construction over tracks					
1D-14N-H3B-382	124mm Binder	2d 22-Sep-11	26-Sep-11	33d	100%
1D-14N-H3B-383	35mm Wearing Course	1d 28-Sep-11	27-Sep-11	33d	100%
1D-14N-H3B-384	16mm Surface Treatment	1d 28-Oct-11	31-Oct-11	10d	100%
Carriageway Construction Westbound					
1D-14N-H3B-386	Sub-base 220mm all carriageway areas	3d 15-Sep-11	04-Nov-11	82d	100%
1D-14N-H3B-387	Drainage	4d 15-Sep-11	21-Sep-11	10d	100%
1D-14N-H3B-520	Kerbing K11	11d 21-Sep-11	08-Oct-11	69d	100%
1D-14N-H3B-388	Memorial Island	5d 28-Sep-11	05-Oct-11	10d	100%
1D-14N-H3B-389	Kerbing K7 - Westbound/Islands/Crossings	10d 05-Oct-11	19-Oct-11	10d	100%
1D-14N-H3B-392	Settled Areas	15d 06-Oct-11	27-Oct-11	89d	100%
1D-14N-H3B-393	Signs / Street Furniture	5d 07-Oct-11	14-Oct-11	14d	100%
1D-14N-H3B-394	Sub-base shape all carriageway areas	4d 14-Oct-11	20-Oct-11	10d	100%
1D-14N-H3B-391	Gullies	3d 17-Oct-11	20-Oct-11	10d	100%
1D-14N-H3B-395	Traffic Signals	4d 19-Oct-11	25-Oct-11	10d	100%
1D-14N-H3B-396	Footpath Works	7d 19-Oct-11	28-Oct-11	66d	100%
1D-14N-H3B-397	225mm Base	3d 20-Oct-11	25-Oct-11	10d	100%
1D-14N-H3B-398	80mm Binder	2d 25-Oct-11	27-Oct-11	10d	100%
1D-14N-H3B-399	35mm Wearing Course	1d 27-Oct-11	28-Oct-11	10d	100%
1D-14N-H3B-530	Road Signs and Markings	2d 28-Oct-11	04-Nov-11	66d	100%
Phase H5 - West Maitland Street / Grosvenor Street					
1D-14-H4-403	Erect Barrier	1d 27-Jun-11	28-Jun-11	130d	100%
1D-14-H4-404	Site Clearance	2d 28-Jun-11	30-Jun-11	130d	100%
1D-14-H4-415	Plane Main Carriageway for Overlay	2d 30-Jun-11	04-Jul-11	130d	100%
1D-14-H4-407	Road Signals and Markings	3d 01-Jul-11	06-Jul-11	130d	100%
1D-14-H4-406	35mm Surface Course	1d 04-Jul-11	05-Jul-11	130d	100%
Phase H5 - West Maitland Street / Grosvenor Street					
1D-14-H5-409	Erect Barrier	1d 11-Nov-11	14-Nov-11	61d	100%
1D-14-H5-560	Site Clearance	2d 14-Nov-11	16-Nov-11	61d	100%
1D-14-H5-475	Excavation	2d 14-Nov-11	16-Nov-11	61d	100%

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1D-14-H5-415	Kerbing	4d	16-Nov-11	20-Nov-11	61d
1D-14-H5-419	Signs / Street Furniture	5d	22-Nov-11	26-Nov-11	61d
1D-14-H5-600	Road Signals and Markings	3d	22-Nov-11	25-Nov-11	63d
1D-14-H5-417	Footpath Works / Finishes	4d	23-Nov-11	29-Nov-11	61d
1D-14-H5-418	35mm Surface Course	1d	23-Nov-11	24-Nov-11	63d
1D-14-H5-412	Investigate services / outfall positions / inlet-outlet positions / levels	1d	14-Nov-11	15-Nov-11	64d
1D-14-H5-413	Drainage to Discharge Points	3d	15-Nov-11	18-Nov-11	64d
1D-14-H5-414	Traffic Signal and Lighting Ducts	3d	15-Nov-11	18-Nov-11	68d
1D-14-H6/1-423	Erect Barrier for Island Site	2d	11-Nov-11	15-Nov-11	59d
1D-14-H6/1-424	Site Clearance	3d	15-Nov-11	18-Nov-11	59d
1D-14-H6/1-435	Excavate and fill island for TM	2d	18-Nov-11	22-Nov-11	59d
1D-14-H6/1-477	Erect Barrier for island site	1d	27-Jan-12	30-Jan-12	62d
1D-14-H6/1-468	Excavation	2d	30-Jan-12	01-Feb-12	62d
1D-14-H6/1-429	Traffic Signal and Lighting Ducts	3d	30-Jan-12	02-Feb-12	69d
1D-14-H6/1-680	Core and Cast OLE Pole Foundations (1nr)	2d	01-Feb-12	03-Feb-12	66d
1D-14-H6/1-481	Kerbing	4d	01-Feb-12	07-Feb-12	62d
1D-14-H6/1-482	Footpath Works / Finishes	5d	06-Feb-12	13-Feb-12	62d
1D-14-H6/1-473	Plane Main Carriageway for Overlay	1d	07-Feb-12	08-Feb-12	63d
1D-14-H6/1-505	Road Signals and Markings	3d	07-Feb-12	10-Feb-12	63d
1D-14-H6/1-484	35mm Surface Course	1d	08-Feb-12	09-Feb-12	63d
1D-14-H6/2-437	Erect Barrier	1d	22-Nov-11	23-Nov-11	59d
1D-14-H6/2-438	Site Clearance	2d	23-Nov-11	25-Nov-11	59d
1D-14-H6/2-439	Traffic Signal and Lighting Ducts	2d	23-Nov-11	25-Nov-11	59d
1D-14-H6/2-650	Plane Main Carriageway for Overlay	2d	25-Nov-11	29-Nov-11	59d
1D-14-H6/2-442	Road Signals and Markings	3d	28-Nov-11	09-Jan-12	59d
1D-14-H6/2-441	35mm Surface Course	1d	29-Nov-11	30-Nov-11	59d
1D-14-H6/3-444	Erect Barrier	1d	09-Jan-12	10-Jan-12	59d
1D-14-H6/3-445	Site Clearance	2d	10-Jan-12	12-Jan-12	59d
1D-14-H6/3-446	Traffic Signal and Lighting Ducts	2d	10-Jan-12	12-Jan-12	59d
1D-14-H6/3-447	Plane Main Carriageway for Overlay	2d	12-Jan-12	16-Jan-12	59d
1D-14-H6/3-448	35mm Surface Course	1d	16-Jan-12	17-Jan-12	59d
1D-14-H6/3-449	Road Markings and Signs	1d	17-Jan-12	18-Jan-12	59d
1D-14-H6/4-451	Erect Barrier	1d	18-Jan-12	19-Jan-12	59d
1D-14-H6/4-452	Site Clearance	2d	19-Jan-12	23-Jan-12	59d
1D-14-H6/4-453	Traffic Signal and Lighting Ducts	2d	19-Jan-12	23-Jan-12	59d
1D-14-H6/4-454	Plane Main Carriageway for Overlay	2d	23-Jan-12	25-Jan-12	59d
1D-14-H6/4-455	Road Signals and Markings	3d	24-Jan-12	27-Jan-12	59d
1D-15M-JNCS-60	Installation of traffic light control - Junction 46	17d	24-Jan-12	16-Feb-12	60d
1D-14-H6/4-455	35mm Surface Course	1d	25-Jan-12	26-Jan-12	60d
1D-14-H6/5-456	Erect Barrier	1d	27-Jan-12	30-Jan-12	61d



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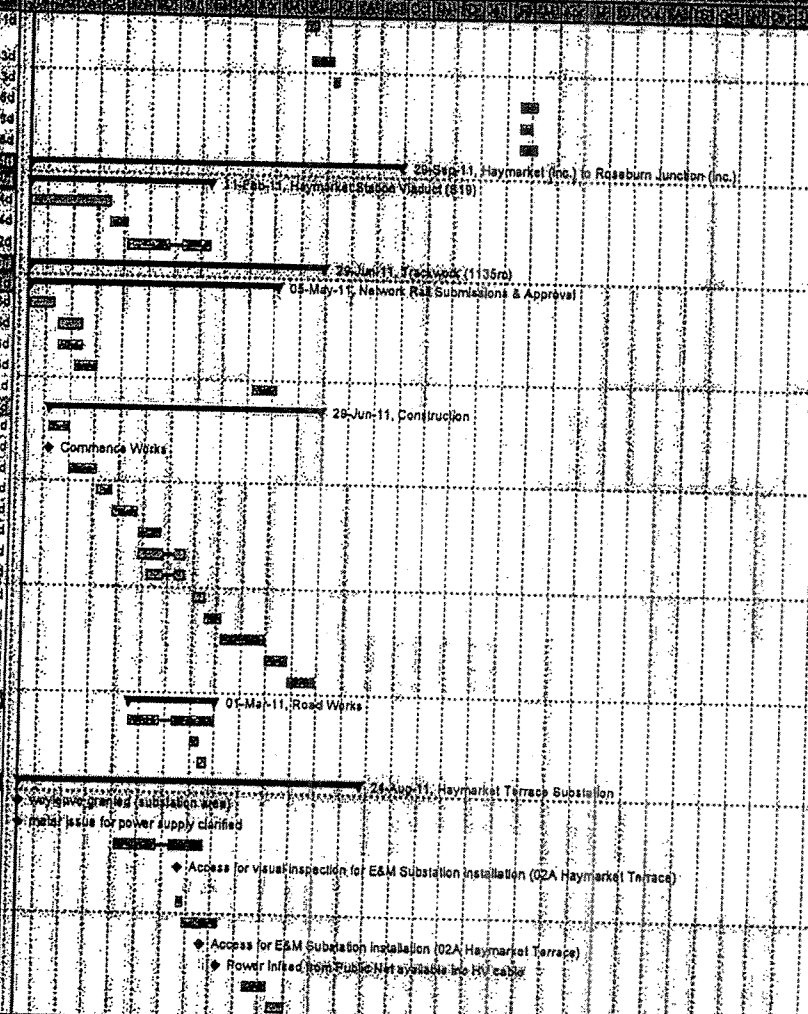
Date	Revision	Checked	Approved
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC

ID	Description	Start	End	Duration	Notes
1D-14-H8/5-459	Plane Main Carriageway for Overlay	1d: 30-Jan-12	31-Jan-12	1d	
1D-14-H8/5-461	Traffic Signal and Lighting Ducts	3d: 30-Jan-12	02-Feb-12	65d	
1D-14-H8/5-510	Excavation	1d: 31-Jan-12	01-Feb-12	61d	
1D-14-H8/5-462	Core and Cast OLE Pole Foundations (1nr)	2d: 01-Feb-12	03-Feb-12	62d	
1D-14-H8/5-483	Kerbing	3d: 01-Feb-12	06-Feb-12	61d	
1D-14-H8/5-466	Signs / Street Furniture	5d: 01-Feb-12	06-Feb-12	65d	
1D-14-H8/5-484	Footpath Works / Finishes	2d: 06-Feb-12	08-Feb-12	61d	
1D-14-H8/5-485	35mm Surface Course	1d: 08-Feb-12	09-Feb-12	61d	
1D-14-H8/5-487	Road Signals and Markings	3d: 08-Feb-12	11-Feb-12	61d	
Commissioning and Testing		10d: 30-Apr-12	09-May-12	12d	04-May-12 Commissioning and Testing
Princess Street West Tram Stop		19d: 12-Jul-10	29-Apr-11	302d	25-Apr-11, Princess Street West Tram Stop
1C-15A-TRMS-20	Wayleave issued	0d: 12-Jul-10		355d	Wayleave issued
721	Tramstop Platform incl related cubicle foundations	20d: 03-Nov-10	30-Nov-10	229d	
1C-15A-TRMS-30	Access for visual inspection for E&M Tram Stop Installation (01D Princess Street West)	0d: 09-Dec-10		482d	Access for visual inspection for E&M Tram Stop Installation (01D Princess Street West)
1C-15A-TRMS-40	Deliver and install Shelter	10d: 10-Jan-11	21-Jan-11	229d	
1C-15A-TRMS-31	Access for E&M Tram Stop Installation (01D Princess Street West)	0d: 24-Jan-11		277d	Access for E&M Tram Stop Installation (01D Princess Street West)
1C-15A-TRMS-45	Deliver and install cubicle	10d: 24-Jan-11	04-Feb-11	229d	
1C-15A-TRMS-50	Install LV Power Supply and LV Power Equipment	25d: 07-Feb-11	11-Mar-11	229d	
731	Princess Street Finishing Works	20d: 07-Feb-11	04-Mar-11	430d	
1C-15A-TRMS-70	Install Telecon Equipment	20d: 14-Mar-11	11-Apr-11	234d	
1C-15A-TRMS-80	Install Station Control Equipment + AFC Equipment	25d: 14-Mar-11	18-Apr-11	229d	
1C-15A-TRMS-80	Package Test Tramstop	5d: 19-Apr-11	25-Apr-11	287d	
Shadwick Place Tram Stop		30d: 12-Jul-10	23-Nov-11	280d	21-Nov-11, Shadwick Place Tram Stop
1D-14-TRMS-20	Wayleave issued	0d: 12-Jul-10		356d	Wayleave issued
1D-14-TRMS-80	Civil Engineering And Building Works	65d: 25-Mar-11	28-Jun-11	180d	
831	Ducting and Chambers	15d: 19-Apr-11	10-May-11	105d	
882	Tramstop Platform incl related cubicle foundations	40d: 10-May-11	06-Jul-11	105d	
1D-14-TRMS-30	Access for visual inspection for E&M Tram Stop Installation (01D Shadwick Place)	0d: 20-Jun-11		370d	Access for visual inspection for E&M Tram Stop Installation (01D Shadwick Place)
1D-14-TRMS-40	Deliver and install Shelter	10d: 06-Jul-11	20-Jul-11	105d	
1D-14-TRMS-31	Access for E&M Tram Stop Installation (01D Shadwick Place)	0d: 20-Jul-11		165d	Access for E&M Tram Stop Installation (01D Shadwick Place)
1D-14-TRMS-45	Deliver and install cubicle	10d: 20-Jul-11	03-Aug-11	105d	
1D-14-TRMS-50	Install LV Power Supply and LV Power Equipment	25d: 03-Aug-11	06-Oct-11	105d	
1D-14-TRMS-70	Install Telecon Equipment	20d: 05-Oct-11	07-Nov-11	110d	
1D-14-TRMS-80	Install Station Control Equipment + AFC Equipment	25d: 05-Oct-11	14-Nov-11	105d	
1D-14-TRMS-80	Package Test Tramstop	5d: 14-Nov-11	21-Nov-11	105d	
SECTION 2 HAYMARKET CORRIDOR		0d: 25-Apr-11	05-Mar-12	154d	05-Mar-12 SECTION 2 HAYMARKET CORRIDOR
02A Haymarket Corridor		21d: 25-Apr-11	06-Mar-12	184d	06-Mar-12 02A Haymarket Corridor
E & M Installations		0d: 25-Apr-11		414d	04-Mar-12 E & M Installation
2A-13-OHLE-40	Access for visual inspection for E&M wayside installation HAY - ROJ	0d: 25-Apr-11		414d	Access for visual inspection for E&M wayside installation HAY - ROJ
2A-13-ELEC-40	Access visual inspection to cable pits for cable laying HAY - ROJ	0d: 25-Apr-11		414d	Access visual inspection to cable pits for cable laying HAY - ROJ
2A-13-OHLE-41	Access for E&M wayside installation HAY - ROJ	0d: 26-May-11		249d	Access for E&M wayside installation HAY - ROJ
2A-13-ELEC-41	Access to cable pits for cable laying HAY - ROJ	0d: 26-May-11		229d	Access to cable pits for cable laying HAY - ROJ
2A-13-SIGN-40	Installation of SIG-interlocking cubicle HAY Yards	15d: 26-May-11	16-Jun-11	243d	
2A-13/14-OHLE-50	Installation of poles and building fixings - 11 (13 1234 - 20 09)	4d: 25-May-11	10-Jun-11	211d	

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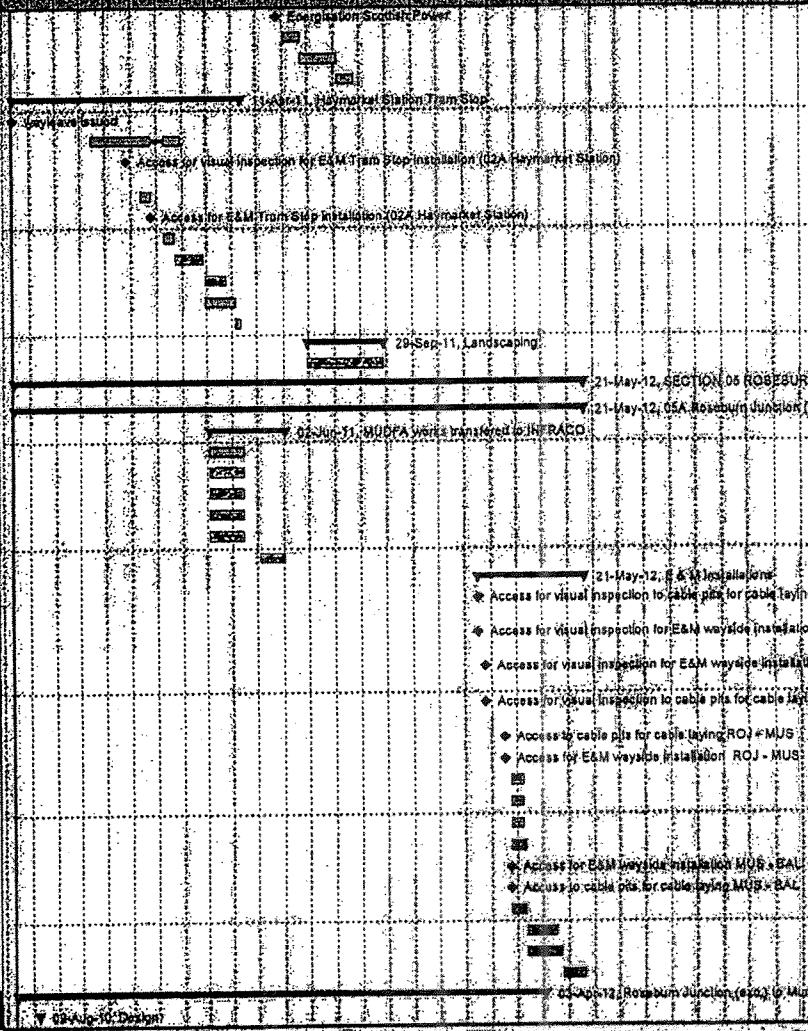
Item ID	Description	Start	End	Duration	Value
2A-13/14-OHLE-60	Overhead Catenary Line -11 (13 1234 - 20 0566 * 20 0248 - 20 0437)	11d 04-Jun-11	17-Jul-11	37d	211d
2A-13-SIGN-90	Installation of SIG equipment on HAY Yards	20d 08-Jun-11	07-Jul-11	17d	243d
2A-13-SIGN-80	Commissioning of SIG -interlocking cubicle HAY Yards	5d 07-Jul-11	14-Jul-11	8d	243d
2A-12/13-ELEC-60	Install Electrical Cables HAY - MUS	14d 15-Feb-12	08-Mar-12	23d	56d
2A-12/13/14-TELC-60	Install Fibre Optic Cables SHP - HAY - MUS	11d 15-Feb-12	01-Mar-12	16d	56d
2A-12/13-SGNW-60	Install Signalling Wayside Equipment HAY - MUS	14d 15-Feb-12	08-Mar-12	23d	66d
Haymarket (Inc.) to Roseburn Junction (Inc.)					
Haymarket Station Viaduct (S19)					
2A-13-S19-60	Superstructure	30d 12-Jul-10	29-Sep-11	320d	394d
2A-13-S19-80	Finishes	14d 12-Jul-10	11-Feb-11	245d	204d
2A-13-S19-90(3)	Crew Relief Facility	68d 12-Jul-10	14-Oct-10	94d	204d
Trackwork (1135m)					
Trackwork (1135m)					
2A-13-TRCK-12	Ducting and drainage (WPP)	20d 14-Jul-10	11-Aug-10	28d	179d
2A-13-TRCK-10	OLE Foundation Construction v1 (WPP)	20d 17-Aug-10	13-Sep-10	27d	176d
2A-13-TRCK-11	OLE Construction (WPP)	20d 12-Aug-10	13-Sep-10	27d	176d
2A-13-TRCK-13	Installation of Track Slab (WPP)	20d 06-Sep-10	01-Oct-10	26d	176d
2A-13-TRCK-14	OLE Poles and Cabling (WPP)	20d 05-Sep-11	05-May-11	231d	231d
Construction					
2A-13-TRCK-30	Bulk Excavation - Sub Base	18d 09-Aug-10	01-Sep-10	24d	176d
2A-13-TRCK-01	Commence Works	0d 09-Aug-10	09-Aug-10	1d	176d
2A-13-TRCK-00	Drainage	23d 02-Sep-10	04-Oct-10	32d	176d
2A-13-TRCK-50(3)	OLE Foundations & Ducts	14d 05-Oct-10	22-Oct-10	17d	176d
2A-13-TRCK-40	Concrete Track Slab	23d 25-Oct-10	24-Nov-10	30d	176d
2A-13A-TRCK-70	Track Laying 1	19d 25-Nov-10	22-Dec-10	27d	176d
2A-13-SIGN-70	point machine mechanical set up	30d 25-Nov-10	20-Jan-11	56d	461d
2A-13-SIGN-80	wayside preparation for loops(17) and boxes(12)	23d 07-Dec-10	20-Jan-11	46d	461d
2A-13B-TRCK-70	Track Laying 2	10d 01-Feb-11	15-Feb-11	14d	176d
2A-13C-TRCK-70	Track Laying 3	14d 15-Feb-11	07-Mar-11	21d	176d
2A-13-TRCK-80	Track Finishes	38d 07-Mar-11	29-Apr-11	52d	176d
2A-13-TRCK-80(3)	Concrete Channel Drain	18d 29-Apr-11	28-May-11	29d	176d
2A-13-TRCK-81	Fencing	23d 28-May-11	29-Jun-11	32d	176d
Road Works					
2A-13C-ROAD-60(3)	Haymarket Viaduct	62d 18-Nov-10	01-Mar-11	104d	269d
2A-13B-JNCS-60	Installation of traffic light control - Junction 90	7d 01-Feb-11	10-Feb-11	9d	330d
2A-13B-JNCS-70	Installation of traffic light control - Junction 91	7d 10-Feb-11	21-Feb-11	11d	330d
Haymarket Terrace Substation					
2A-13-SUBS-110	wayside prepared (substation area)	0d	12-Jul-10	12d	306d
2A-13-SUBS-120	meter issue for power supply clarified	0d	12-Jul-10	12d	326d
2A-13-SUBS-90	Civil Engineering and Building Works	65d 05-Nov-10	18-Feb-11	104d	204d
2A-13-SUBS-30	Access for visual inspection for E&M Substation installation (02A Haymarket Terrace)	0d 20-Jan-11	20-Jan-11	1d	209d
2A-13-SUBS-100	cable duct for Power Infeed	5d 20-Jan-11	27-Jan-11	7d	205d
2A-13-SUBS-130	installation HV cable	30d 27-Jan-11	10-Mar-11	43d	205d
2A-13-SUBS-31	Access for E&M Substation installation (02A Haymarket Terr...	0d 18-Feb-11	18-Feb-11	1d	209d
2A-13-SUBS-40	Power Infeed from Public Net available inc HV cable	0d 10-Mar-11	10-Mar-11	1d	205d
2A-13-SUBS-45	Install HV Power Supply and Equipment (SP)	20d 12-Apr-11	10-May-11	19d	183d
2A-13-SUBS-50	Install LV Power Supply and LV Power Equipment	15d 11-May-11	01-Jun-11	16d	183d

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Date	Revision	Checked	Approved	Page 23 of 44	Legend: Remaining Work, Critical Remaining Work, Actual Work, Milestone, Summary
28-Jul-10	Project Carlisle Programme	SSC/MHS	BSC		

Code	Description	Start	End	Duration	Resources
2A-13-SUBS-55	energisation Scottish Power	0d 25-May-11		375d	
2A-13-SUBS-70	Install Telecom and Scade	15d 02-Jun-11	22-Jun-11	163d	
2A-13-SUBS-60	Installation of TPS Equipment	30d 23-Jun-11	04-Aug-11	163d	
2A-13-SUBS-80	Testing and Commissioning	14d 05-Aug-11	24-Aug-11	163d	
Haymarket Station Tram Stop					
2A-13-TRMS-20	wayleave issued	0d 12-Jul-10		335d	
2A-13-TRMS-90	Civil Engineering and Building Works	65d 19-Oct-10	28-Jan-11	257d	
2A-13-TRMS-30	Access for visual inspection for E&M Tram Stop installation (02A Haymarket Station)	0d 25-Nov-10		517d	
2A-13-TRMS-40	Deliver and Install Shelter	10d 13-Dec-10	24-Dec-10	257d	
2A-13-TRMS-31	Access for E&M Tram Stop installation (02A Haymarket Station)	0d 24-Dec-10		312d	
2A-13-TRMS-45	Deliver and install cubicle	10d 10-Jan-11	21-Jan-11	257d	
2A-13-TRMS-50	Install LV Power Supply and LV Power Equipment	25d 24-Jan-11	25-Feb-11	277d	
2A-13-TRMS-70	Install Telecom Equipment	20d 28-Feb-11	25-Mar-11	282d	
2A-13-TRMS-60	Install Station Control Equipment + AFC Equipment	25d 28-Feb-11	04-Apr-11	277d	
2A-13-TRMS-80	Package Test Trams	5d 05-Apr-11	11-Apr-11	277d	
Landscaping					
2A-13-LAND-100(3)	Landscaping to Section 2A	85d 28-Jun-11	29-Sep-11	176d	
SECTION 05 ROSEBURN JUNCTION TO GOSCAR					
02A Roseburn Junction (exc.) to Balgreen Road (inc.)					
MUDPA works transferred to INFRACO					
5A-BT-D-02(3)	BT Russell Road Ret Wall	30d 04-Mar-11	15-Apr-11	33d	
5A-BT-D-03(3)	BT Russell Road Ret Wall	30d 04-Mar-11	15-Apr-11	33d	
5A-SGN-D-02(3)	Gas Russell Road Ret Wall	30d 04-Mar-11	15-Apr-11	33d	
5A-SP-D-01(3)	Electric Russell Road Ret Wall	30d 04-Mar-11	15-Apr-11	33d	
5A-BT-D-01(3)	BT Russell Road Ret Wall	30d 04-Mar-11	15-Apr-11	33d	
5A-SP-D-02(3)	Electric Balgreen Road	20d 04-May-11	02-Jun-11	389d	
E & M Installations					
5A-12-ELEC-30	Access for visual inspection to cable pits for cable laying ROJ - MUS	0d 18-Jan-12		220d	
5A-12-OHLE-30	Access for visual inspection for E&M wayside installation ROJ - MUS	0d 16-Jan-12		220d	
5A-11-OHLE-30	Access for visual inspection for E&M wayside installation MUS - BAL	0d 24-Jan-12		214d	
5A-11-ELEC-30	Access for visual inspection to cable pits for cable laying MUS - BAL	0d 24-Jan-12		214d	
5A-12-ELEC-31	Access to cable pits for cable laying ROJ - MUS	0d 15-Feb-12		56d	
5A-12-OHLE-31	Access for E&M wayside installation ROJ - MUS	0d 15-Feb-12		7d	
5A-11-ELEC-60	Install Electrical Cables MUS - BAL	11d 23-Feb-12	08-Mar-12	53d	
5A-11/12/13-TELC-60	Install Fibre Optic Cables HAY - MUS - BAL	12d 23-Feb-12	09-Mar-12	52d	
5A-11-SGNW-60	Install Signalling Wayside Equipment MUS - BAL	11d 23-Feb-12	08-Mar-12	53d	
5A-10/11-OHLE-50	Installation of poles and building fixings -13 (51 0770 - 52 07...)	13d 23-Feb-12	12-Mar-12	5d	
5A-11-OHLE-31	Access for E&M wayside installation MUS - BAL	0d 23-Feb-12		1d	
5A-11-ELEC-31	Access to cable pits for cable laying MUS - BAL	0d 23-Feb-12		52d	
5A-11/12/13-OHLE-50	Installation of poles and building fixings -12 (20 0457 - 51 09...)	13d 23-Feb-12	12-Mar-12	1d	
5A-10/11-OHLE-60	Overhead Catenary Line -13 (51 0770 - 52 0754)	26d 13-Mar-12	17-Apr-12	5d	
5A-11/12/13-OHLE-60	Overhead Catenary Line -12 (20 0457 - 51 0966)	30d 13-Mar-12	23-Apr-12	1d	
5A-11/12/13-OHLE-70	Testing & Commissioning	20d 24-Apr-12	21-May-12	1d	
Roseburn Junction (exc.) to Murrayfield Stadium (inc.)					
Design					



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Date	Revision	Checked	Approved
26-Jul-10	Project Carlisle Programme	SSC/MHE	BSC

■ Remaining Work
 ■ Critical Remaining Work
 ▼ Summary
— Actual Work
 ◆ Milestones

Name Construction Drawings W/E		09	09-Aug-10	04
Russell Road Underbridge (S20)				
Network Rail Form C Submission & Approval		232d	12-Jul-10	19-Sep-11
5A-12-S20-11(3)	Permanent Piling Working Platform (Form C)	23d	12-Jul-10	12-Aug-10
5A-12-S20-16(3)	OLE Poles and Cabling (WPP)	38d	12-Jul-10	02-Sep-10
5A-12-S20-17(3)	Crane Working Platform (Form C)	23d	12-Jul-10	12-Aug-10
5A-12-S20-19(3)	Soil Nailing v2 (Form C)	23d	12-Jul-10	12-Aug-10
5A-12-S20-10(3)	Permanent Piling v1 (WPP)	20d	15-Jul-10	12-Aug-10
5A-12-S20-12(3)	Protection of Gas Main v1 (WPP)	20d	15-Jul-10	12-Aug-10
5A-12-S20-18(3)	S20 Construction (WPP)	20d	15-Jul-10	12-Aug-10
5A-12-S20-20(3)	Soil Nailing v2 (WPP)	20d	15-Jul-10	12-Aug-10
5A-12-S20-14(3)	Ducting and drainage (WPP)	38d	16-May-11	08-Jul-11
5A-12-S20-13(3)	OLE Construction (WPP)	38d	27-Jun-11	19-Aug-11
5A-12-S20-15(3)	Installation of Track Slab (WPP)	38d	22-Jul-11	15-Sep-11
Construction				
5A-12-S20-40	Excavation and piling	60d	03-Sep-10	25-Nov-10
5A-12-S20-50	Bases	30d	26-Nov-10	21-Jan-11
5A-12-S20-51	Abutments and Wing Walls	45d	10-Jan-11	11-Mar-11
5A-12-S20-60	Deck	50d	07-Mar-11	17-May-11
5A-12-S20-80	Bridge Finishes	60d	14-Mar-11	08-Jun-11
Russell Road Retaining Walls (W3 and W4)				
Network Rail Submissions & Approval		228d	12-Jul-10	03-Nov-11
5A-12-W4-14(3)	Bored piling working platform to Units 1 to 10 (Form C)	40d	12-Jul-10	06-Sep-10
5A-12-W4-16(3)	Bored piling working platform to Units 23 to 29 (Form C)	40d	12-Jul-10	06-Sep-10
5A-12-W4-10(3)	Slope stability for Units 1 to 10 (CAT III)	20d	10-Aug-10	06-Sep-10
5A-12-W4-13(3)	TW to retain Royal Mail bldg (CAT III)	20d	10-Aug-10	06-Sep-10
5A-12-W4-18(3)	TW to construct pilecaps for Units 1 to 10 (In House)	20d	10-Aug-10	06-Sep-10
5A-12-W4-15(3)	Slope stability for Units 23 to 29 (CAT III)	20d	10-Aug-10	06-Sep-10
5A-12-W4-21(3)	TW to construct pilecaps for Units 21 to 29 (In House)	20d	10-Aug-10	06-Sep-10
5A-12-W4-11(3)	Open cut excav & sheet piling installation to Units 1 to 10 (W...	20d	10-Aug-10	06-Sep-10
5A-12-W4-17(3)	Installation of bored piling to Units 1 to 10 (WPP)	20d	10-Aug-10	06-Sep-10
5A-12-W4-19(3)	Construction of pilecap & walls Units 1 to 10 (WPP)	20d	10-Aug-10	06-Sep-10
5A-12-W4-12(3)	Open cut excav & sheet piling installation to Units 21 to 29 (...)	20d	10-Aug-10	06-Sep-10
5A-12-W4-20(3)	Installation of bored piling to Units 21 to 29 (WPP)	20d	10-Aug-10	06-Sep-10
5A-12-W4-22(3)	Construction of pilecap & walls Units 21 to 29 (WPP)	20d	10-Aug-10	06-Sep-10
Haymarket Depot Access Road				
5A-12-W4-54(3)10	Temporary Realignment	10d	20-Apr-11	04-May-11
5A-12-W4-54(3)20	Permanent Realignment	20d	20-Sep-11	17-Oct-11
Construction				
5A-12-W4-53(3)	Retaining Wall W4B 64C	243d	12-Jul-10	06-Jul-11
5A-12-W4-50(3)	Retaining Wall W4A (enabling works)	48d	12-Jul-10	16-Sep-10
5A-12-W4-55(3)	Retaining Wall W4A	149d	28-Sep-10	11-May-11
5A-12-W4-59(3)	Retaining Wall W4D	247d	28-Sep-10	28-Sep-11
5A-12-W3-57(3)	Retaining Wall W3B	141d	18-Apr-11	03-Nov-11
5A-12-W3-56(3)	Retaining Wall W3A	68d	15-Jun-11	19-Sep-11
5A-12-W3-58(3)	Retaining Wall W3C	83d	24-Jun-11	19-Oct-11
5A-12-JNCS-60	Installation of traffic light control - Junction 200	5d	20-Oct-11	26-Oct-11
Murrayfield Tram Stop Retaining Wall (W1)				
Network Rail Submissions and Approval		377d	03-Aug-10	22-Feb-12

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Date	Revision	Checked	Approved
29-Jul-10	Project Carlisle Programme	SSC/MHE	BEC

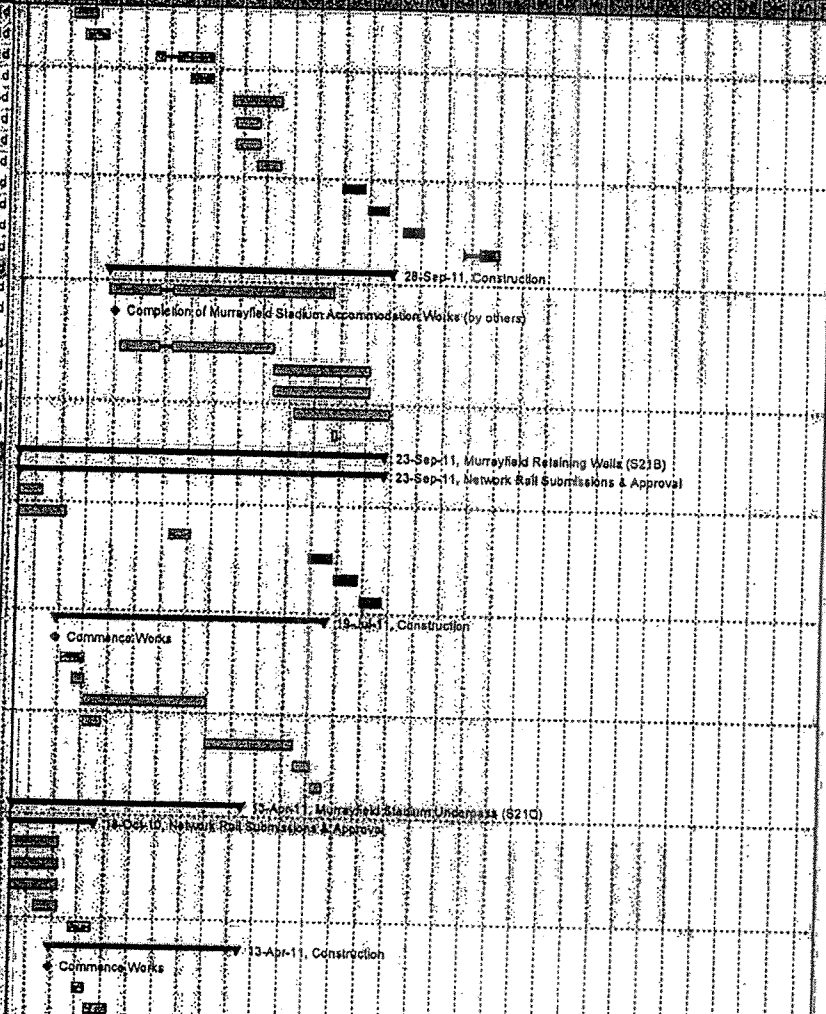
 Remaining Work
 Critical Remaining Work
 Summary
 Actual Work
 Milestone

Date	Revision	Checked	Approved	Page 26 of 44	Remaining Work	Critical Remaining Work	Summary
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC		Actual Work	Milestone	

Task ID	Description	Start	End	Duration	Actual	Remaining
5A-12-W18-11	W18 Construction v1 (WPP)	20d 09-Aug-10	10d Sep-10	7d		
5A-12-W18-14	Installation of Track Slab (WPP)	20d 04-Feb-11	04-Mar-11	7d		
5A-12-W18-16	Tramstop Construction (WPP)	20d 19-May-11	17-Jun-11	30d		
5A-12-W18-13	Ducting and drainage (WPP)	20d 10-Jun-11	08-Jul-11	7d		
5A-12-W18-12	OLE Construction (WPP)	20d 18-Aug-11	15-Sep-11	7d		
5A-12-W18-15	OLE Poles and Cabling (WPP)	20d 26-Jan-12	22-Feb-12	1d		
Murrayfield Stadium Tram Stop						
5A-12-W18-02	Building Warrant Approval	0d 09-Aug-10		8d		
5A-12-W18-21	Demolish and rebuild	34d 09-Aug-10	24-Sep-10	8d		
5A-12-W18-01	Commence Works	0d 24-Sep-10		8d		
5A-12-W18-31(3)	Site Clearance	20d 27-Sep-10	25-Oct-10	7d		
5A-12-W18-81(3)	North Main Stairs Wall	85d 27-Sep-10	08-Feb-11	52d		
5A-12-W18-50(3)	Foundations	15d 25-Oct-10	15-Nov-10	7d		
5A-12-W18-51(3)	Reinforced Earth Wall	130d 15-Nov-10	03-Jun-11	7d		
5A-12-W18-82(3)	North Main Stairs	80d 08-Feb-11	05-May-11	52d		
5A-12-W18-52(3)	Coping	15d 03-Jun-11	24-Jun-11	7d		
5A-12-W18-80(3)	Handrail	10d 24-Jun-11	08-Jul-11	7d		
Trackwork (470m)						
5A-12-TRCK-30	Sub Base	15d 08-Jul-11	28-Jul-11	2d		
5A-12-TRCK-50	Drainage	29d 29-Jul-11	09-Sep-11	7d		
5A-12-TRCK-51(3)	OLE Foundations & Ducts	18d 09-Sep-11	06-Oct-11	7d		
5A-12-TRCK-40	Track Slab	47d 08-Oct-11	13-Dec-11	7d		
5A-12-TRCK-70	Track Laying (470m) + mob	20d 13-Dec-11	24-Jan-12	7d		
5A-12-SIGN-60	wayside preparation for loops(0) and boxes(1)	1d 23-Jan-12	24-Jan-12	88d		
5A-12-TRCK-60	Track Finishes	16d 24-Jan-12	16-Feb-12	7d		
Murrayfield Stadium (excl.) to Balmuir Road (inc.)						
5A-12-TRMS-20	wayleave issued	0d 12-Jul-10		355d		
5A-12-TRMS-90(3)	Civil Engineering and Building Works	130d 08-Jul-11	24-Jan-12	96d		
5A-12-TRMS-30	Access for visual inspection for E&M Tram Stop Installation (OSA Murrayfield)	0d 16-Nov-11		281d		
5A-12-TRMS-40	Deliver and Install Shelter	10d 06-Dec-11	20-Dec-11	36d		
5A-12-TRMS-31	Access for E&M Tram Stop Installation (OSA Murrayfield)	0d 20-Dec-11		56d		
5A-12-TRMS-45	Deliver and Install cubicle	10d 20-Dec-11	17-Jan-12	36d		
5A-12-TRMS-50	Install LV Power Supply and LV Power Equipment	25d 17-Jan-12	21-Feb-12	36d		
5A-12-TRMS-70	Install Telecom Equipment	20d 21-Feb-12	20-Mar-12	41d		
5A-12-TRMS-60	Install Station Control Equipment + AFC Equipment	25d 21-Feb-12	27-Mar-12	36d		
5A-12-TRMS-80	Package Test Tramstop	5d 27-Mar-12	03-Apr-12	36d		
Design						
5A-11-S21A-10(3)	Issue Construction Drawings 21B	0d 09-Aug-10		55d		
5A-11-S21A-10(3)	Issue Construction Drawings S21A RC Portal Bridge	0d 09-Aug-10		71d		
5A-11-S21A-20(3)	Issue Construction Drawings S21A Steel Composite Bridge	0d 09-Aug-10		61d		
5A-11-S21A-30(3)	Issue Construction Drawings S21A RE Structure S501	0d 09-Aug-10		211d		
5A-11-S21A-40(3)	Issue Construction Drawings S21A RE Structure S503	0d 09-Aug-10		211d		
5A-11-S21A-50(3)	Issue Construction Drawings S21A RE Structure S505	0d 09-Aug-10		191d		
Roughburn Street Undercut (S21A)						
5A-11-S21A-19(3)	S504 Piling Working Platform (Form C)	40d 09-Aug-10	04-Oct-10	61d		
5A-11-S21A-13(3)	S502 Piling Working Platform (Form C)	40d 23-Aug-10	18-Oct-10	61d		

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Activity ID	Description	Start	End	Duration	ES	EF	LS	LF
5A-11-S21A-15(3)	S504 Construction (WPP)	20d 08-Sep-10	04-Oct-10	61d				
5A-11-S21A-12(3)	S502 Construction (WPP)	20d 20-Sep-10	18-Oct-10	30d				
5A-11-S21A-18(3)	S504 Bridge Beam Working Crane Platform (Form C)	40d 14-Dec-10	22-Feb-11	83d				
5A-11-S21A-17(3)	S504 Bridge Beam Installation (WPP)	20d 25-Jan-11	22-Feb-11	61d				
5A-11-S21A-21(3)	S505 Sheet Piling/ Temp Works. (Form C)	40d 18-Mar-11	18-May-11	43d				
5A-11-S21A-11(3)	S501 Construction (WPP)	20d 22-Mar-11	20-Apr-11	61d				
5A-11-S21A-14(3)	S503 Construction (WPP)	20d 22-Mar-11	20-Apr-11	61d				
5A-11-S21A-19(3)	S505 Construction (WPP)	20d 18-Apr-11	16-May-11	43d				
5A-11-S21A-22(3)	OLE Construction (WPP)	20d 29-Jul-11	26-Aug-11	19d				
5A-11-S21A-23(3)	Ducting and drainage (WPP)	20d 28-Aug-11	25-Sep-11	19d				
5A-11-S21A-24(3)	Installation of Track Slab (WPP)	20d 10-Oct-11	04-Nov-11	19d				
5A-11-S21A-25(3)	OLE Poles and Cabling (WPP)	20d 22-Dec-11	01-Feb-12	1d				
Structure S504								
5A-11-S21A-70(3)	Structure S504	180d 25-Oct-10	22-Jul-11	61d				
5A-11-S21A-70(3)10	Completion of Murrayfield Stadium Accommodation Works (by others)	0d	31-Oct-10	92d				
5A-11-S21A-71(3)	Structure S502	120d 08-Nov-10	12-May-11	61d				
5A-11-S21A-62(3)	Structure S501	80d 12-May-11	05-Sep-11	61d				
5A-11-S21A-63(3)	Structure S503	80d 12-May-11	05-Sep-11	61d				
5A-11-S21A-64(3)	Structure S505	80d 07-Jun-11	28-Sep-11	43d				
5A-11-JNCS-60	Installation of traffic light control - Junction 201	4d 22-Jul-11	28-Jul-11	202d				
Murrayfield Retaining Walls (S21B)								
5A-11-S21B-12(3)	Installation of sheet piles (WPP)	20d 12-Jul-10	09-Aug-10	59d				
5A-11-S21B-13(3)	Installation of sheet piles (design) (Form C)	40d 12-Jul-10	06-Sep-10	34d				
5A-11-S21B-14(3)	Construction of steep green slope section (WPP)	20d 10-Jan-11	04-Feb-11	30d				
5A-11-S21B-17(3)	Installation of Lower Ballast (WPP)	20d 28-Jun-11	25-Jul-11	1d				
5A-11-S21B-15(3)	OLE Construction (WPP)	20d 29-Jul-11	26-Aug-11	1d				
5A-11-S21B-16(3)	Ducting and drainage (WPP)	20d 29-Aug-11	23-Sep-11	1d				
Construction								
5A-11-S21B-21	Commence Works	0d 30-Aug-10		119d				
5A-11-S21B-31	Site Clearance	20d 06-Sep-10	04-Oct-10	114d				
5A-11-S21B-32	Demolition	10d 20-Sep-10	04-Oct-10	114d				
5A-11-S21B-61(3)	Sheet Piling, Ground Anchors, Bulk Excavation	22d 03-Oct-10	27-Feb-11	8d				
5A-11-S21B-61	Foundations	15d 04-Oct-10	25-Oct-10	114d				
5A-11-S21B-52	Reinforced Earth Wall	74d 28-Feb-11	14-Jun-11	30d				
5A-11-S21B-53	Coping	15d 15-Jun-11	05-Jul-11	30d				
5A-11-S21B-60	Handrail	10d 08-Jul-11	19-Jul-11	30d				
Murrayfield Stadium Underpass (S21C)								
5A-11-S21C-25(3)	Network Rail Form C Submission & Approval	40d 12-Jul-10	08-Sep-10	87d				
5A-11-S21C-11(3)	Crane Working Platform (Form C)	40d 12-Jul-10	08-Sep-10	97d				
5A-11-S21C-13(3)	Soil Nailing Working Platform (Form C)	40d 12-Jul-10	08-Sep-10	117d				
5A-11-S21C-10(3)	Construction v2 (WPP)	20d 10-Aug-10	08-Sep-10	87d				
5A-11-S21C-12(3)	Soil Nailing v2 (WPP)	20d 21-Sep-10	18-Oct-10	87d				
Construction								
5A-11-S21C-10	Commence Works	0d 30-Aug-10		108d				
5A-11-S21C-31	Site Clearance	10d 28-Sep-10	11-Oct-10	87d				
5A-11-S21C-32	Temporary Works - Demolition	20d 12-Oct-10	08-Nov-10	87d				



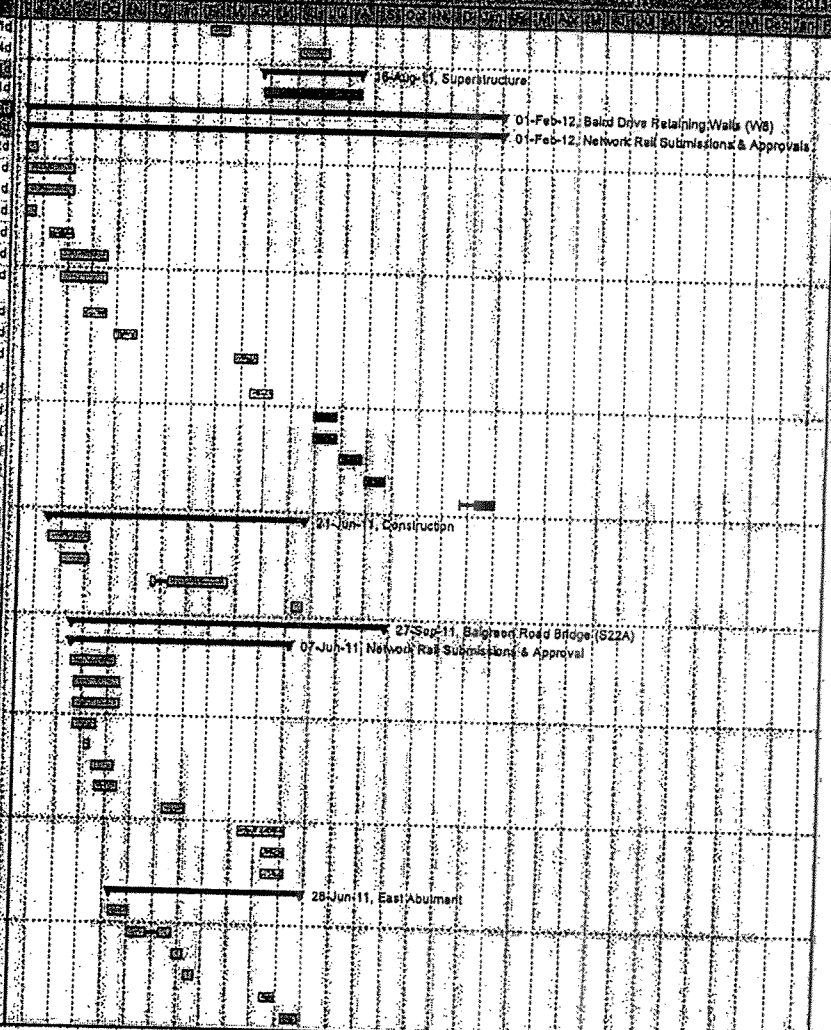
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Date	Revision	Checked	Approved	Page 28 of 44	Legend
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC		<ul style="list-style-type: none"> Remaining Work Critical Remaining Work Summary Actual Work Milestone

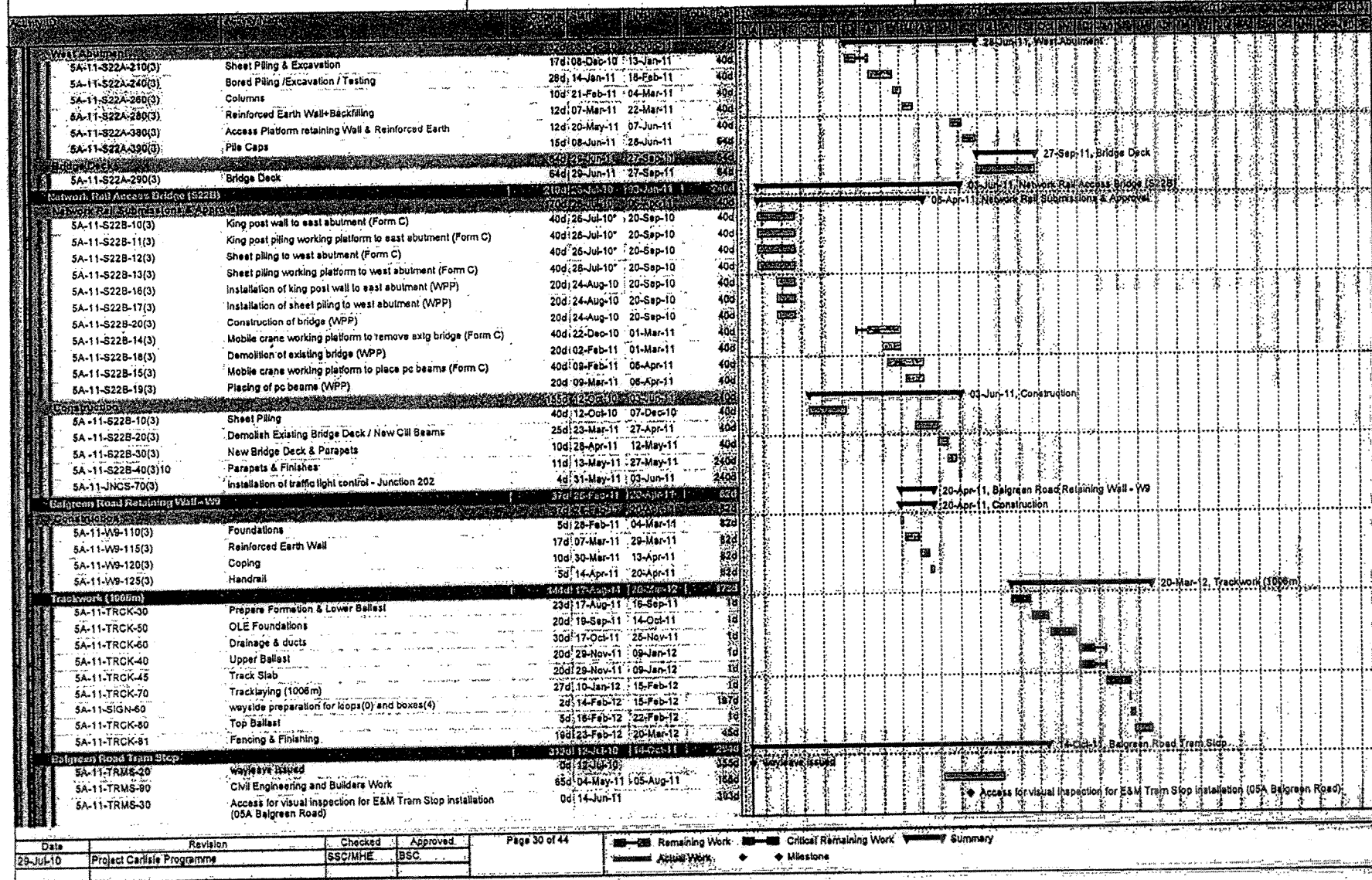
Item ID	Description	Start	End	Duration	Value
5A-11-S21C-32(3)	Additional Sheet Piling	20d/08-Nov-10	07-Dec-10	27d	87d
5A-11-S21C-33	Earthworks	10d/08-Dec-10	21-Dec-10	13d	87d
5A-11-S21C-51	Base	10d/22-Dec-10	18-Jan-11	27d	87d
5A-11-S21C-52	Walls	20d/19-Jan-11	15-Feb-11	27d	87d
5A-11-S21C-61	Roof	20d/16-Feb-11	15-Mar-11	29d	87d
5A-11-S21C-62	Parapet Walls	15d/09-Mar-11	29-Mar-11	24d	87d
5A-11-S21C-60	Finishes	10d/30-Mar-11	13-Apr-11	14d	87d
Murrayfield Retaining Walls (S21D)					
5A-11-S21D-10(3)	Network Rail Form C West and Piling Platform Submission & Approval	40d/30-Jul-10*	24-Sep-10	25d	74d
5A-11-S21D-11(3)	Network Rail Form C West End Piling Submission & Approval	40d/30-Jul-10*	24-Sep-10	25d	74d
5A-11-S21D-12(3)	Network Rail Form C Toe Piling Submission & Approval	40d/30-Jul-10*	24-Sep-10	25d	74d
5A-11-S21D-13(3)	Network Rail Form C Toe Sheet Piling Submission & Approval	40d/30-Jul-10*	24-Sep-10	25d	74d
5A-11-S21D-15(3)	Installation of sheet piling to western end (WoL) (WPP)	20d/10-Aug-10	06-Sep-10	27d	63d
5A-11-S21D-14(3)	Construction of steep green slope section (WPP)	20d/25-Nov-10	23-Dec-10	29d	63d
5A-11-S21D-16(3)	Construction of mod block wall to western end (WoL) (WPP)	20d/11-May-11	08-Jun-11	28d	338d
5A-11-S21D-13(3)10	Installation of Lower Ballast (WPP)	20d/28-Jun-11	25-Jul-11	28d	1d
5A-11-S21D-17(3)	OLE Construction (WPP)	20d/29-Jul-11	26-Aug-11	28d	1d
5A-11-S21D-18(3)	Ducting and drainage (WPP)	20d/29-Aug-11	23-Sep-11	26d	1d
5A-11-S21D-13(3)20	OLE Poles and Cabling (WPP)	20d/22-Dec-11	01-Feb-12	41d	6d
Water of Leith Bridge (S21E)					
5A-11-S21D-30(3)	Site Clearance / Testing / Design Check	13d/18-Oct-10	03-Nov-10	16d	74d
5A-11-S21D-41(3)	Sheet Piling	10d/04-Nov-10	17-Nov-10	13d	74d
5A-11-S21D-62(3)	Bulk Excavation	29d/03-Dec-10	27-Jan-11	85d	63d
5A-11-S21D-62(3)10	Green Slope	67d/27-Jan-11	04-May-11	98d	63d
5A-11-S21D-80	Parapet	10d/05-May-11	18-May-11	13d	63d
Water of Leith Embankment (S21E)					
5A-11-S21E-13(3)	Mobile crane working platform to construct bridge (Form C)	40d/12-Jul-10	06-Sep-10	25d	1d
5A-11-S21E-11(3)	Sheet piling working platform to centre pier (Form C)	40d/12-Jul-10	06-Sep-10	25d	1d
5A-11-S21E-12(3)	Bored piling working platform to centre pier (Form C)	40d/12-Jul-10	06-Sep-10	25d	1d
5A-11-S21E-20(3)	Construction of New M/Hole over Egg Sewer	20d/12-Jul-10	09-Aug-10	28d	1d
5A-11-S21E-14(3)	Installation of sheet piling to centre pier (WPP)	20d/10-Aug-10	06-Sep-10	27d	1d
5A-11-S21E-15(3)	Installation of bored piling to centre pier (WPP)	20d/10-Aug-10	06-Sep-10	27d	1d
5A-11-S21E-18(3)	Construction of centre pier (WPP)	20d/10-Aug-10	06-Sep-10	27d	1d
5A-11-S21E-17(3)	Construction of abutments (WPP)	20d/15-Oct-10	11-Nov-10	27d	64d
5A-11-S21E-16(3)	Construction of deck (WPP)	20d/03-Mar-11	30-Mar-11	27d	1d
5A-11-S21E-19(3)	Steel Work Carried out by Maybe Construction	20d/03-Mar-11	30-Mar-11	27d	1d
Embarkment Works					
5A-11-S21E-35(3)	Sewer Enabling Works	20d/31-Aug-10	27-Sep-10	27d	1d
East Abutment					
5A-11-S21E-45(3)	Formation to East Abutment (Murrayfield)	48d/28-Sep-10	03-Dec-10	65d	63d
5A-11-S21E-46(3)	Banksoal	25d/09-Dec-10	21-Jan-11	74d	64d
5A-11-S21E-47(3)	Phase 2	11d/30-Jun-11	14-Jul-11	45d	338d
Centre Pier					
5A-11-S21E-31	Leaf Pier	138d/28-Sep-10	21-Apr-11	255d	1d
West Abutment					
5A-11-S21E-52	Formation to West Abutment (Balrd Drive)	89d/28-Sep-10	14-Feb-11	117d	33d

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Code	Description	Start	End	Duration
5A-11-S21E-53	Bankseat	17d: 15-Feb-11	08-Mar-11	31d
5A-11-S21E-53	Phase 2	28d: 02-Jun-11	07-Jul-11	34d
Superstructure				
5A-11-S21E-60	Bridge Deck & Finishes	30d: 22-Apr-11	16-Aug-11	1d
Balgreen Road Retaining Walls (W8)				
5A-11-W8-10(3)	Slope stability for steep green slope section (Form C)	10d: 12-Jul-10	23-Jul-10	92d
5A-11-W8-11(3)	Sheet piling to eastern end (WoL) (Form C)	40d: 12-Jul-10	06-Sep-10	31d
5A-11-W8-12(3)	Sheet piling working platform to eastern end (WoL) (Form C)	40d: 12-Jul-10	06-Sep-10	31d
5A-11-W8-25(3)100	Site Setup (WPP)	10d: 12-Jul-10	23-Jul-10	92d
5A-11-W8-16(3)	Installation of sheet piling to eastern end (WoL) (WPP)	20d: 10-Aug-10	08-Sep-10	31d
5A-11-W8-13(3)	Sheet piling to western end (Balgreen) (Form C)	40d: 24-Aug-10	18-Oct-10	439d
5A-11-W8-14(3)	Sheet piling working platform to western end (Balgreen) (Form C)	40d: 24-Aug-10	18-Oct-10	439d
5A-11-W8-18(3)	Installation of sheet piling to western end (Balgreen) (WPP)	20d: 21-Sep-10	18-Oct-10	439d
5A-11-W8-15(3)	Construction of steep green slope section (WPP)	20d: 29-Oct-10	25-Nov-10	40d
5A-11-W8-19(3)	Construction of mod block wall to western end (Balgreen) (WPP)	20d: 23-Mar-11	20-Apr-11	40d
5A-11-W8-17(3)	Construction of mod block wall to eastern end (WoL) (WPP)	20d: 12-Apr-11	10-May-11	344d
5A-11-W8-20(3)	Construction of NWR Access Road (WPP)	20d: 28-Jun-11	25-Jul-11	1d
5A-11-W8-23(3)	Installation of Lower Ballast (WPP)	20d: 28-Jun-11	25-Jul-11	1d
5A-11-W8-21(3)	OLE Construction (WPP)	20d: 29-Jul-11	26-Aug-11	1d
5A-11-W8-22(3)	Ducting and drainage (WPP)	20d: 29-Aug-11	23-Sep-11	1d
5A-11-W8-24(3)	OLE Poles and Cabling (WPP)	20d: 22-Dec-11	01-Feb-12	5d
Construction				
5A-11-W8-51(3)	Bulk Excavation	35d: 17-Aug-10	04-Oct-10	92d
5A-11-W8-52	Starter Layer	25d: 01-Sep-10	05-Oct-10	92d
5A-11-W8-52	Green Slope	57d: 20-Dec-10	22-Mar-11	40d
5A-11-W8-53	Parapet	10d: 08-Jun-11	21-Jun-11	40d
Balgreen Road Bridge (S22A)				
5A-11-S22A-12(3)	Bored piling working platform to both abutments (Form C)	40d: 16-Sep-10	10-Nov-10	80d
5A-11-S22A-10(3)	Sheet piling to west abutment (Form C)	40d: 21-Sep-10	15-Nov-10	40d
5A-11-S22A-11(3)	Sheet piling working platform to west abutment (Form C)	40d: 21-Sep-10	15-Nov-10	40d
5A-11-S22A-19(3)	Construction of bridge (WPP)	20d: 21-Sep-10	15-Nov-10	60d
5A-11-S22A-27(3)	Mobilise	5d: 05-Oct-10	11-Oct-10	40d
5A-11-S22A-16(3)	Installation of bored piling to both abutments (WPP)	20d: 14-Oct-10	10-Nov-10	80d
5A-11-S22A-15(3)	Installation of sheet piling to west abutment (WPP)	20d: 19-Oct-10	15-Nov-10	40d
5A-11-S22A-17(3)	Construction of mod block wall to west abutment (W8) (WPP)	20d: 10-Jan-11	04-Feb-11	82d
5A-11-S22A-13(3)	Mobile crane working platform to place pc beams (Form C)	40d: 11-Apr-11	07-Jun-11	84d
5A-11-S22A-14(3)	Edge parapet cantilever formwork (WPP)	20d: 10-May-11	07-Jun-11	62d
5A-11-S22A-18(3)	Placing of pc beams (WPP)	20d: 10-May-11	07-Jun-11	62d
Abutment				
5A-11-S22A-130(3)	Sheet Piling & Excavation	17d: 09-Nov-10	02-Dec-10	439d
5A-11-S22A-180(3)	Bored Piling / Excavation / Testing	28d: 03-Dec-10	25-Jan-11	439d
5A-11-S22A-180(3)	Columns	10d: 26-Jan-11	08-Feb-11	439d
5A-11-S22A-190(3)	Reinforced Earth Walls+Backfilling	9d: 09-Feb-11	21-Feb-11	439d
5A-11-S22A-230(3)	Access Platform Ret Walls & Reinforced Earth	12d: 13-May-11	31-May-11	40d
5A-11-S22A-200(3)	Pile Caps	15d: 08-Jun-11	28-Jun-11	54d



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5A-11-TRMS-40	Deliver and Install Shelter	10d	30-Jun-11	14-Jul-11	166d
5A-11-TRMS-31	Access for E&M Tram Stop Installation (05A Balgreen Road)	0d	14-Jul-11		210d
5A-11-TRMS-45	Deliver and install cubicle	10d	14-Jul-11	28-Jul-11	166d
5A-11-TRMS-50	Install LV Power Supply and LV Power Equipment	25d	28-Jul-11	02-Sep-11	166d
5A-11-TRMS-70	Install Telecom Equipment	20d	02-Sep-11	30-Sep-11	171d
5A-11-TRMS-60	Install Station Control Equipment + AFC Equipment	25d	02-Sep-11	07-Oct-11	166d
5A-11-TRMS-80	Package Test Tramslop	5d	07-Oct-11	14-Oct-11	166d

Jenners Depository Sub Station					
5A-11-SUBS-120	Wayleave granted (substation area)	0d	12-Jul-10		281d
5A-11-SUBS-110	meter issue for power supply clarified	0d	12-Jul-10		311d
5A-11-SUBS-90	Civil Engineering and Building Works	65d	28-Oct-10	10-Feb-11	198d
5A-11-SUBS-30	Access for visual inspection for E&M Substation installation (05A Jenners Depository)	0d	12-Jan-11		200d
5B-11-SUBS-100	cable duct for Power Infeed	5d	12-Jan-11	19-Jan-11	196d
5A-11-SUBS-130	Installation HV cable	30d	19-Jan-11	02-Mar-11	196d
5A-11-SUBS-31	Access for E&M Substation installation (05A Jenners Depository)	0d	10-Feb-11		200d
5A-11-SUBS-40	Power Infeed from Public Net available inc HV cable	0d	02-Mar-11		196d
5B-10-SUBS-45	Install HV Power Supply and Equipment (SP)	15d	21-Mar-11	11-Apr-11	183d
5A-11-SUBS-50	Install LV Power Supply and LV Power Equipment	15d	12-Apr-11	03-May-11	203d
5B-11-SUBS-55	Energisation Scottish Power	0d	26-Apr-11		395d
5A-11-SUBS-70	Install Telecom and Scada	15d	04-May-11	24-May-11	303d
5A-11-SUBS-60	Installation of TPS Equipment	30d	25-May-11	06-Jul-11	203d
5A-11-SUBS-80	Testing and Commissioning	14d	07-Jul-11	28-Jul-11	200d

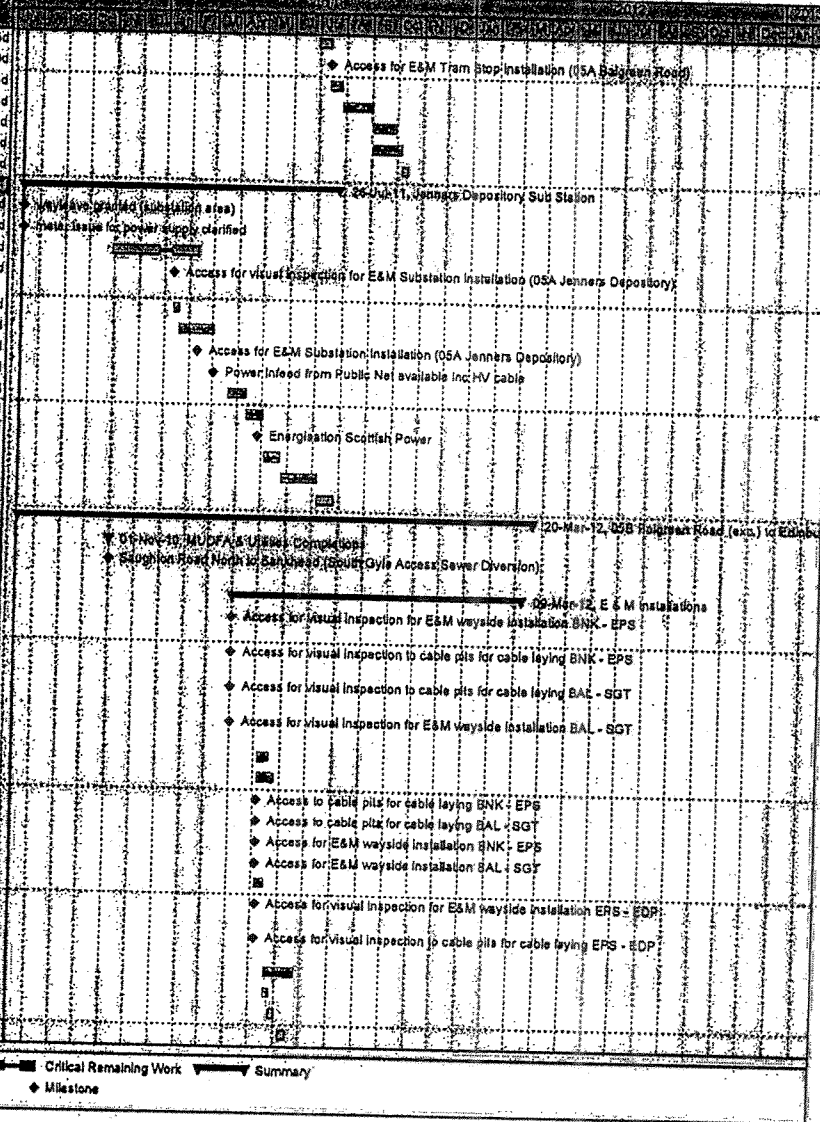
05B Balgreen Road (exc) to Edinburgh Park Central (inc)

MUDFA & Utilities Completions

5B-09-UT-100	Edinburgh Road North to Bankhead (South Gyle Access Sewer Diversion)	0d	01-Nov-10	18-Nov-10	48d
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E & M Installations

5B-08-OHLE-30	Access for visual inspection for E&M wayside installation BNK - EPS	0d	31-Mar-11		417d
5B-08-ELEC-30	Access for visual inspection to cable pits for cable laying BNK - EPS	0d	31-Mar-11		417d
5B-10-ELEC-30	Access for visual inspection to cable pits for cable laying BAL - SGT	0d	31-Mar-11		431d
5B-10-OHLE-30	Access for visual inspection for E&M wayside installation BAL - SGT	0d	31-Mar-11		431d
5B-09/10-OHLE-50	Installation of poles and building fixings -14 (52 0535 - 52 20...)	10d	04-May-11	18-May-11	246d
5B-08-SIGN-40	Installation of SIG-interlocking cubicle EPS	15d	04-May-11	25-May-11	261d
5B-08-ELEC-31	Access to cable pits for cable laying BNK - EPS	0d	04-May-11		266d
5B-10-ELEC-31	Access to cable pits for cable laying BAL - SGT	0d	04-May-11		266d
5B-08-OHLE-31	Access for E&M wayside installation BNK - EPS	0d	04-May-11		233d
5B-10-OHLE-31	Access for E&M wayside installation BAL - SGT	0d	04-May-11		222d
5B-08-ELEC-60	Install Electrical Cables BNK - EPS	8d	04-May-11	16-May-11	269d
5B-07-OHLE-30	Access for visual inspection for E&M wayside installation EPS - EDP	0d	05-May-11		397d
5B-07-ELEC-30	Access for visual inspection to cable pits for cable laying EPS - EDP	0d	05-May-11		397d
5B-09/10-OHLE-60	Overhead Catenary Line -14 (52 0535 - 52 2032)	28d	18-May-11	24-Jun-11	246d
5B-08-SIGN-90	Installation of SIG equipment on crossover EPS	5d	18-May-11	25-May-11	261d
5B-08-SIGN-80	Commissioning of SIG-interlocking cubicle EPS	5d	25-May-11	01-Jun-11	261d
5B-07-ELEC-60	Install Electrical Cables EPS - EDP	7d	07-Jun-11	16-Jun-11	240d



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Date	Revision	Checked	Approved
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Remaining Work
 Critical Remaining Work
 Summary
 Actual Work
 Milestone

Date	Revision	Checked	Approved	Page 32 of 44	Remaining Work	Critical Remaining Work	Summary
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC		Remaining Work	Critical Remaining Work	Summary

Item ID	Description	Start Date	End Date	Duration	Notes
5B-07-OHLE-31	Access for E&M wayside installation EPS - EDP	0d: 07-Jun-11		214d	
5B-07-ELEC-31	Access to cable pits for cable laying EPS - EDP	0d: 07-Jun-11		232d	
5B-07/08-TELC-60	Install Fibre Optic Cables BNK - EPS - EDP	8d: 07-Jun-11	17-Jun-11	239d	
5B-07-SGNW-60	Install Signalling Wayside Equipment EPS - EDP	7d: 07-Jun-11	16-Jun-11	232d	
5B-07/08-OHLE-50	Installation of poles and building fixings -18 (52 3059- 52 4464)	9d: 07-Jun-11	20-Jun-11	214d	
5B-06-SGNW-60	Install Signalling Wayside Equipment BNK - EPS	8d: 16-Jun-11	28-Jun-11	232d	
5B-07/08-OHLE-60	Overhead Catenary Line -18 (52 3059 - 52 4464 + 52 3821 - 52 3998)	24d: 20-Jun-11	22-Jul-11	214d	
5B-09-ELEC-30	Access for visual inspection to cable pits for cable laying SGT - BNK	0d: 28-Sep-11		288d	
5B-09-OHLE-30	Access for visual inspection for E&M wayside installation SGT - BNK	0d: 29-Sep-11		288d	
5B-09-SGNW-60	Install Signalling Wayside Equipment SGT - BNK	10d: 31-Oct-11	14-Nov-11	119d	
5B-09-ELEC-31	Access to cable pits for cable laying SGT - BNK	0d: 31-Oct-11		113d	
5B-08/09-TELC-60	Install Fibre Optic Cables SGT - BNK - EPS	9d: 31-Oct-11	11-Nov-11	115d	
5B-08/09-OHLE-50	Installation of poles and building fixings -15 (52 1827 - 52 32..)	10d: 31-Oct-11	14-Nov-11	102d	
5B-09-OHLE-31	Access for E&M wayside installation SGT - BNK	0d: 31-Oct-11		102d	
5B-09-ELEC-60	Install Electrical Cables SGT - BNK	10d: 31-Oct-11	14-Nov-11	113d	
5B-09/10-TELC-60	Install Fibre Optic Cables BAL - SGT - BNK	12d: 11-Nov-11	30-Nov-11	115d	
5B-10-SGNW-60	Install Signalling Wayside Equipment BAL - SGT	13d: 14-Nov-11	02-Dec-11	113d	
5B-08/09-OHLE-60	Overhead Catenary Line -15 (52 1827 - 52 3273)	24d: 14-Nov-11	19-Dec-11	102d	
5B-10-ELEC-60	Install Electrical Cables BAL - SGT	13d: 14-Nov-11	02-Dec-11	113d	
5B-10/11-TELC-60	Install Fibre Optic Cables MUS - BAL - SGT	12d: 23-Feb-12	09-Mar-12	82d	
Balgreen Road (exc.) to Saughton Road North (inc.)		19-Jul-10	04-May-11	466d	
Carricknove Bridge (S23)		19-Jul-10	12-Apr-11	273d	
5B-10-S23-10(3)	Steel Pedestrian Parapet WPP	20d: 12-Jul-10	09-Aug-10	40d	
5B-10-S23-11(3)	OLE Poles and Cabling WPP	20d: 14-Mar-11	12-Apr-11	28d	
Abutment Wall	Bearing Gallery	28d: 12-Jul-10	19-Aug-10	41d	
Wing Walls	Parapet Beams	24d: 12-Jul-10	13-Aug-10	36d	
Abutment Wall	Bearing Gallery	21d: 12-Jul-10	10-Aug-10	31d	
Wing Walls	Parapet Beams	17d: 12-Jul-10	04-Aug-10	25d	
Reinforced Concrete Deck	North Diaphragm	28d: 12-Jul-10	20-Aug-10	41d	
Reinforced Concrete Deck	South Diaphragm	22d: 12-Jul-10	11-Aug-10	33d	
Reinforced Concrete Deck	Parapet Beam	6d: 12-Jul-10	19-Jul-10	14d	
Deck Finishes	Waterproofing (inc. deck curing)	19d: 24-Aug-10	20-Sep-10	41d	
Deck Finishes	Expansion Joints	3d: 24-Aug-10	27-Aug-10	43d	
Deck Finishes	Parapet Rails	2d: 30-Aug-10	31-Aug-10	41d	
Deck Finishes	Walkway Construction	5d: 30-Aug-10	07-Sep-10	44d	
Deck Finishes		12d: 01-Sep-10	20-Sep-10	32d	

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EOT between 26th September '09 and 2nd Nov '09

20/07/2010

Employee/Supplier	Data	Week					Total
		28/09/2009	05/10/2009	12/10/2009	19/10/2009	25/10/2009	
CHANDLER, JASON ROY	Sum of Quantity	35.5	34.5	37.5	37.5	30	175
	Average of Contract Rate	95	95	95	95	95	95
	Sum of Contract Estimate	3372.5	3277.5	3562.5	3562.5	2850	16625
CHANDLER, Mrs. CARLA (CARLA)	Sum of Quantity	11.5	29	37.5	33.5	32.5	144
	Average of Contract Rate	78	78	78	78	78	78
	Sum of Contract Estimate	897	2262	2925	2613	2535	11232
SHUDALL, KATE	Sum of Quantity	7.5	11.5	12.5	12.5	12.5	56.5
	Average of Contract Rate	95	95	95	95	95	95
	Sum of Contract Estimate	712.5	1092.5	1187.5	1187.5	1187.5	5367.5
	Sum of Quantity	9	11	12.5	12.5	12.5	57.5
	Average of Contract Rate	95	95	95	95	95	95
	Sum of Contract Estimate	855	1045	1187.5	1187.5	1187.5	5462.5
	Sum of Quantity	8.5	11	12.5	12.5	12.5	57
	Average of Contract Rate	95	95	95	95	95	95
	Sum of Contract Estimate	807.5	1045	1187.5	1187.5	1187.5	5415
	Total Sum of Quantity	72	97	112.5	108.5	100	490
Total Average of Contract Rate	93.45454545	91.6	91.6	91.6	92.34375	92.10077519	
Total Sum of Contract Estimate	6644.5	8722	10050	9738	8947.5	44102	

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Brian McCrear	85	
	95	
	8075	8075
Laurie Mentiplay	85	
	95	
	8075	8075

Total £ 60,252.00

EOY between 28th Feb '10 and 18th July '10

28/07/2010

EMPLOYEE	TOTAL	Week	04/03/2010	15/03/2010	22/03/2010	29/03/2010	05/04/2010	12/04/2010	19/04/2010	26/04/2010	03/05/2010	10/05/2010	17/05/2010	24/05/2010	31/05/2010	07/06/2010	14/06/2010	21/06/2010	28/06/2010	05/07/2010	TOTAL
CAROLINE ADEEN ROY	Sum of Quantity	32.9	32.9	37.3	34	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	Average of Contract Rate	33	33	36	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
SHUGALL WAT	Sum of Quantity	17.3	17.3	18.3	17.3	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
	Average of Contract Rate	91	91	90	91	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
MARTEY ALEXANDER	Sum of Quantity	31	31	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	Average of Contract Rate	33	33	36	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
TOTAL	Sum of Quantity	81	81	88	82	78	79	79	79	79	79	79	79	79	79	79	79	79	79	79	81
TOTAL	Average of Contract Rate	33	33	36	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
TOTAL	Sum of Contract Estimate	2745	2745	3155	2870	2650	2686	2686	2686	2686	2686	2686	2686	2686	2686	2686	2686	2686	2686	2686	2686

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Grant Value	2745
Grant Period	15/03/2010 - 31/07/2010
Grant Reference	2009/10
Grant Status	2009/10
Grant Type	2009/10

Management of Development (MDS) Phase 3 Report 4/25/10 116650.48

APPENDIX 2

VALUATION OF TIE CHANGES AND PROLONGATION

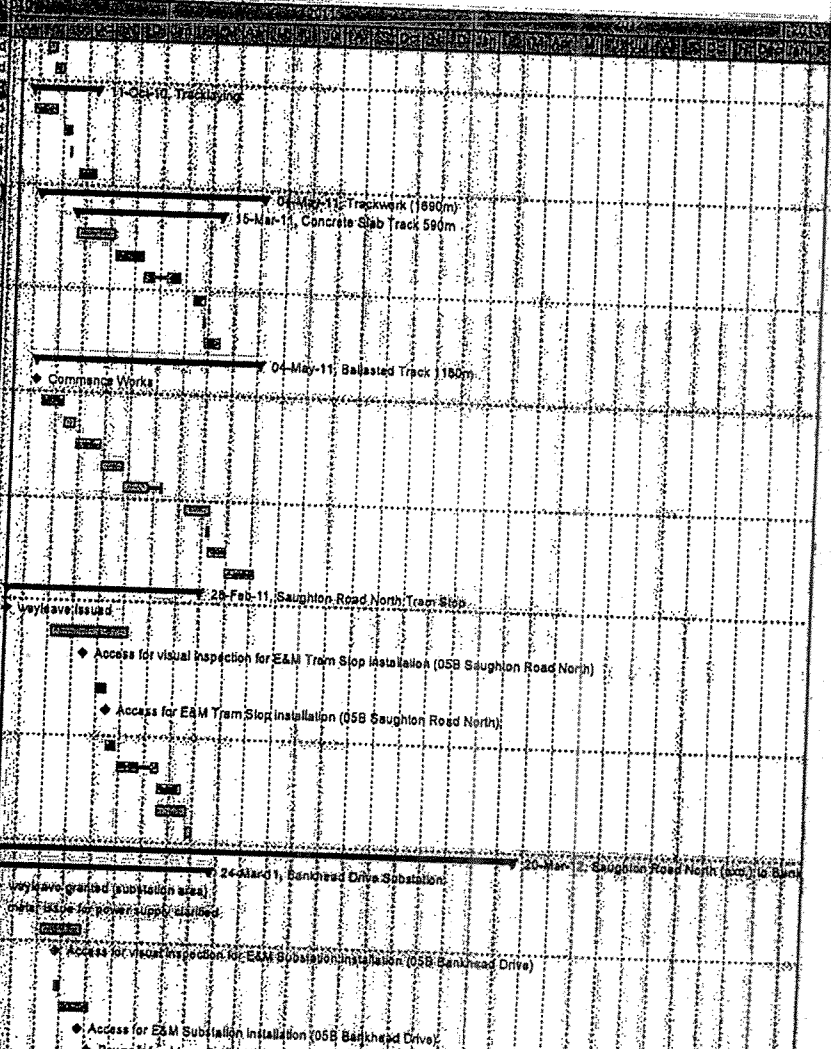
1 TIE CHANGES

- 1.1 We propose that amendments to the existing Schedule Part 4 Appendix G would be appropriate to simplify the rules concerning valuation of tie Changes and to establish rates for valuation of prolongation.
- 1.2 The valuation of any tie Change will continue to be made in accordance with Clause 80.6.
- 1.3 Where Clause 80.6.3 and/or 80.6.4 applies and to the extent that they apply to a tie Change then the valuation shall be on the basis of Actual Cost or Estimated Actual Cost.
- 1.4 In respect of a valuation of any work under 1.3 above tie's Representative shall apply head office overheads and profit percentages to the appropriate elements of Actual Cost or estimated Actual Cost as follows:
- | | | |
|-----|-------------------------|-----|
| (a) | Civil Engineering works | 10% |
| (b) | Systems and Track works | 17% |
- 1.5 In all cases where a tie Change is being valued in accordance with Clause 80.6, Site related overhead (Preliminaries) shall be valued and added as follows:
- 7.4% to be added to the net valuation of the tie Change to cover the Consortium Preliminaries.
- 17.5% to be added to the net valuation of the tie Change to cover any other Preliminaries with regard to any tie Change associated with Civil Engineering Works, provided that this calculation shall in no case apply to Systems and Trackwork or claims for other Preliminaries in relation to prolongation costs arising from extensions of time or delay.
- Site related overhead (Preliminaries) in respect of Systems and Trackwork and in respect of Tram Supply Obligations shall be valued in accordance with paragraph 2 (Prolongation) below.

2 PROLONGATION

- 2.1 Infraco acknowledges that the principle of valuation of prolongation costs arising from extensions of time granted has been established through the mediation process leading to agreement of the Estimate for Infraco Notification of tie Change Number 1. The tie Change Order number 116 reflects the basis of this agreement, which shall be formalised and applied to the valuation of prolongation costs arising from extensions of time. Infraco proposes that:
- (a) Prolongation costs including Preliminaries elements relating to Systems and Trackwork shall be based on Actual Cost or Estimated Actual Cost of the resources and/or labour employed by Infraco or its sub-contractors.

5B-10-S23-71	Backfill and cast slab south	20d 11-Aug-10	20-Aug-10	419d
5B-10-S23-70	Backfill and cast slab north	8d 20-Aug-10	31-Aug-10	416d
5B-10B-S23-84	Containment Slabs	20d 27-Jul-10	24-Aug-10	421d
5B-10B-TRCK-70	Fix Rails	0d 01-Sep-10	10-Sep-10	416d
5B-10C-SIGN-600	wayside preparation for loops(0) and boxes(2)	1d 10-Sep-10	10-Sep-10	416d
5B-10-S23-85	Drainage	15d 21-Sep-10	11-Oct-10	395d
Trackwork (1800m)				
5B-10C-TRCK-30	Earthworks - Subbase	34d 21-Sep-10	05-Nov-10	309d
5B-10C-TRCK-40	OLE Foundations - Drainage - Ducts	24d 08-Nov-10	10-Dec-10	309d
5B-10C-TRCK-41(3)	Additional Drainage	21d 13-Dec-10	24-Jan-11	309d
5B-10C-TRCK-70	Track laying	10d 11-Feb-11	25-Feb-11	309d
5B-10C-SIGN-60	wayside preparation for loops(0) and boxes(3)	2d 23-Feb-11	25-Feb-11	321d
5B-10C-TRCK-80	Fencing & Finishes	12d 25-Feb-11	15-Mar-11	309d
Bankhead Drive				
5B-10A-TRCK-01(3)	Commence Works	0d 09-Aug-10	09-Aug-10	171d
5B-10A-TRCK-30	Earthworks - Subbase	20d 16-Aug-10	10-Sep-10	166d
5B-10A-TRCK-31(3)	Additional Earthworks	10d 13-Sep-10	24-Sep-10	166d
5B-10A-TRCK-50	OLE Foundations - Drainage	23d 27-Sep-10	27-Oct-10	166d
5B-10A-TRCK-40	Additional Drainage	20d 28-Oct-10	24-Nov-10	166d
5B-10A-TRCK-70	Bottom Ballast - Ducts	23d 25-Nov-10	11-Jan-11	166d
5B-10A-TRCK-70	Track laying (1180m)	21d 08-Feb-11	08-Mar-11	166d
5B-10A-SIGN-60	wayside preparation for loops(0) and boxes(3)	2d 07-Mar-11	09-Mar-11	166d
5B-10A-TRCK-76	Top Ballast	15d 09-Mar-11	30-Mar-11	166d
5B-10A-TRCK-80	Fencing & Trackside Finishes	23d 30-Mar-11	04-May-11	166d
Saughton Road North Tram Stop				
5B-10-TRMS-20	wayside issued	0d 12-Jul-10	12-Jul-10	815d
5B-10-TRMS-90	Civil Engineering and Building Works	85d 06-Sep-10	06-Dec-10	268d
5B-10-TRMS-30	Access for visual inspection for E&M Tram Stop installation (05B Saughton Road North)	0d 14-Oct-10		642d
5B-10-TRMS-40	Deliver and install Shelter	10d 01-Nov-10	12-Nov-10	268d
5B-10-TRMS-31	Access for E&M Tram Stop installation (05B Saughton Road North)	0d 12-Nov-10		342d
5B-10-TRMS-45	Deliver and install cubicle	10d 18-Nov-10	28-Nov-10	268d
5B-10-TRMS-50	Install LV Power Supply and LV Power Equipment	25d 30-Nov-10	17-Jan-11	306d
5B-10-TRMS-70	Install Telecom Equipment	20d 18-Jan-11	14-Feb-11	318d
5B-10-TRMS-60	Install Station Control Equipment + AFC Equipment	25d 18-Jan-11	21-Feb-11	306d
5B-10-TRMS-80	Package Test Tramstop	5d 22-Feb-11	28-Feb-11	306d
Saughton Road North (exc.) to Bankhead (inc.)				
Bankhead Drive Substation		414d 12-Jul-10	20-Mar-12	174d
5B-09-SUBS-110	wayside granted (substation area)	0d	12-Jul-10	296d
5B-09-SUBS-120	meter issue for power supply clarified	0d	12-Jul-10	319d
5B-09-SUBS-90	Civil Engineering and Building Works	35d 06-Sep-10	22-Oct-10	284d
5B-09-SUBS-30	Access for visual inspection for E&M Substation installation (05B Bankhead Drive)	0d 23-Sep-10		284d
5B-09-SUBS-100	cable duct for Power Infeed	5d 23-Sep-10	30-Sep-10	284d
5B-09-SUBS-130	Installation HV cable	25d 30-Sep-10	04-Nov-10	284d
5B-09-SUBS-31	Access for E&M Substation installation (05B Bankhead Drive)	0d 22-Oct-10		284d
5B-09-SUBS-40	Power infeed from Public Net available inc HV cable	0d 04-Nov-10		284d



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Date	Revision	Checked	Approved
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC

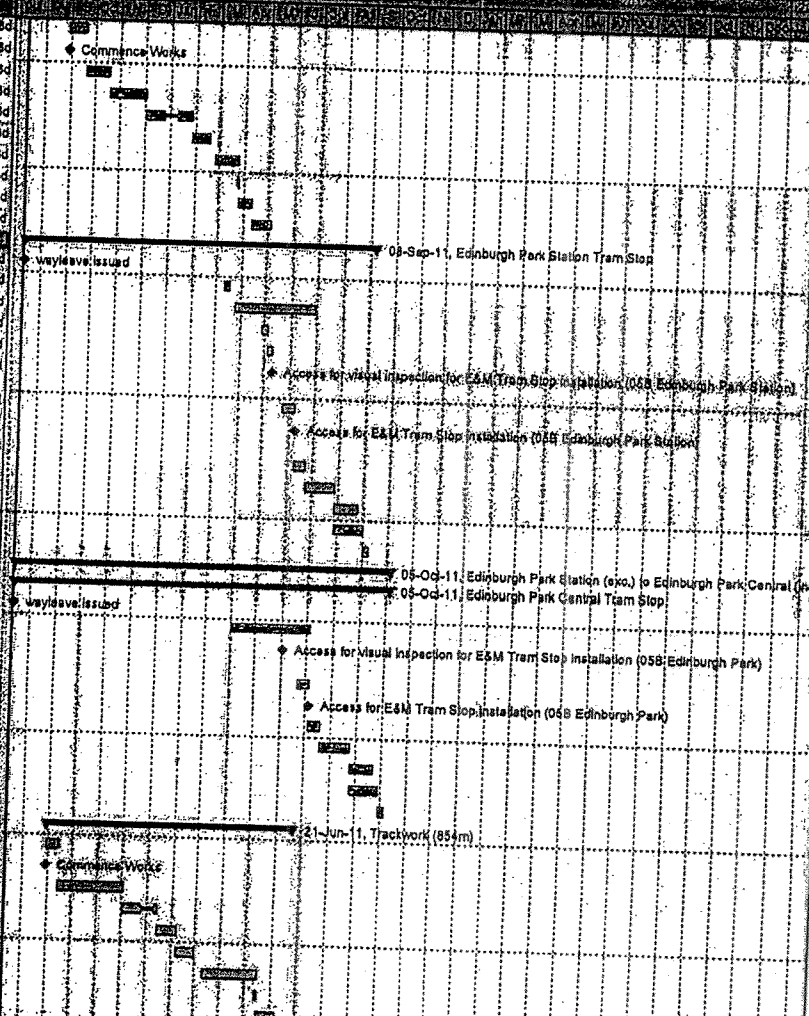
Remaining Work
 Critical Remaining Work
 Summary
 Actual Work
 Milestones

Date	Revision	Checked	Approved	Page 34 of 44	Legend
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC		<ul style="list-style-type: none"> Remaining Work Critical Remaining Work Summary Actual Work Milestones

Item ID	Description	Start	End	Duration	Notes
5B-09-SUBS-45	Install HV Power Supply and Equipment (SP)	18d:04-Nov-10	25-Nov-10	269d	
5B-09-SUBS-50	Install LV Power Supply and LV Power Equipment	15d:25-Nov-10	17-Dec-10	289d	
5B-09-SUBS-55	Energyation Scottish Power	0d:10-Dec-10		481d	
5B-09-SUBS-70	Install Telecom and Scada	15d:17-Dec-10	21-Jan-11	289d	
5B-09-SUBS-60	Installation of TPS Equipment	30d:21-Jan-11	04-Mar-11	289d	
5B-09-SUBS-80	Testing and Commissioning	14d:04-Mar-11	24-Mar-11	289d	
Bankhead Tram Stop					
5B-09-TRMS-20	Wayleave issued	0d:12-Jul-10		355d	
5B-09-TRMS-90	Civil Engineering and Building Works	65d:26-Sep-11	10-Jan-12	46d	
5B-09-TRMS-30	Access for visual inspection for E&M Tram Stop installation (05B South Gyle)	0d:04-Nov-11		271d	
5B-09-TRMS-40	Deliver and Install Shelter	10d:21-Nov-11	06-Dec-11	46d	
5B-09-TRMS-31	Access for E&M Tram Stop installation (05B South Gyle)	0d:06-Dec-11		58d	
5B-09-TRMS-45	Deliver and install cubicle	10d:09-Dec-11	20-Dec-11	46d	
5B-09-TRMS-50	Install LV Power Supply and LV Power Equipment	25d:20-Dec-11	07-Feb-12	46d	
5B-09-TRMS-70	Install Telecom Equipment	20d:07-Feb-12	08-Mar-12	51d	
5B-09-TRMS-60	Install Station Control Equipment + AFC Equipment	25d:07-Feb-12	13-Mar-12	46d	
5B-09-TRMS-80	Package Test Tramstop	5d:13-Mar-12	20-Mar-12	46d	
South Gyle Access Bridge (S20)					
5B-09-S26-11	Sheet piling working platform to toe of embankment (Form C)	40d:16-Aug-10	11-Oct-10	46d	
5B-09-S26-12	Bored piling working platform to abutments (Form C)	40d:16-Aug-10	11-Oct-10	46d	
5B-09-S26-13	Mobile crane working platform to place pc beams (Form C)	40d:16-Aug-10	11-Oct-10	46d	
5B-09-S26-10	Sheet piling along toe of embankment (WPP)	20d:13-Sep-10	11-Oct-10	46d	
5B-09-S26-15	Installation of sheet piling to toe of embankment (WPP)	20d:13-Sep-10	11-Oct-10	46d	
5B-09-S26-16	Installation of bored piling to abutments (WPP)	20d:13-Sep-10	11-Oct-10	46d	
5B-09-S26-17	Construction of abutments (WPP)	20d:13-Sep-10	11-Oct-10	46d	
5B-09-S26-18	Construction of mod block wall to abutments (W11) (WPP)	20d:13-Sep-10	11-Oct-10	46d	
5B-09-S26-20	Construction of bridge (WPP)	20d:13-Sep-10	11-Oct-10	46d	
5B-09-S26-14	Edge parapet cantilever formwork (WPP)	20d:03-Mar-11	31-Mar-11	58d	
5B-09-S26-19	Placing of pc beams (WPP)	20d:03-Mar-11	31-Mar-11	58d	
Network Rail Submissions & Approval					
5B-09-S26-100	Completion of Sewer Diversion (by others)	0d:	31-Oct-10	58d	
5B-09-S26-90	Substructure	112d:01-Nov-10	22-Apr-11	46d	
5B-09-S26-91	Superstructure	78d:22-Apr-11	11-Aug-11	65d	
Bankhead Retaining Wall (W11)					
5B-09-W11-100	Retaining Wall Construction	99d:01-Nov-10	05-Apr-11	78d	
5B-09-JNCS-60	Installation of traffic light control - Junction 202B-2	4d:05-Apr-11	11-Apr-11	27d	
Trackwork (1260m)					
5B-09-TRCK-30	Earthworks and Subbase	8d:23-May-11	03-Jun-11	46d	
5B-09-TRCK-40(3)	Additional Earthworks	17d:03-Jun-11	26-Jun-11	46d	
5B-09-TRCK-50	OLE Foundations - Drainage - Ducts	28d:25-Jun-11	08-Aug-11	46d	
5B-09-TRCK-60(3)	Additional Drainage	25d:08-Aug-11	12-Sep-11	46d	
5B-09-TRCK-70	Track laying (1260m) + mob	10d:12-Sep-11	26-Sep-11	46d	
5B-09-SIGN-60	wayside preparation for loops(0) and boxes(6)	3d:21-Sep-11	26-Sep-11	161d	
5B-09-TRCK-80	Fencing & Trackside Finishes	25d:26-Sep-11	31-Oct-11	102d	
Bankhead (exc.) to Edinburgh Park Station (inc.)					
5B-09-TRCK-90	Trackwork (1260m)	207d:12-Jul-10	08-Sep-11	356d	
5B-09-TRCK-100	Trackwork (1260m)	9d:01-Sep-10	04-Mar-11	267d	

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ID	Description	Start	End	Duration
5B-08-TRCK-39	Earthworks and Subbase	19d 30-Aug-10	20-Sep-10	178d
5B-08-TRCK-01(3)	Commence Works	0d 30-Aug-10*		178d
5B-08-TRCK-31(3)	Additional Earthworks	21d 20-Sep-10	19-Oct-10	178d
5B-08-TRCK-50	OLE Foundations - Drainage	32d 19-Oct-10	03-Dec-10	178d
5B-08-TRCK-51	Additional drainage	29d 03-Dec-10	27-Jan-11	178d
5B-08-TRCK-40	Ducts and Bottom Ballast	16d 27-Jan-11	18-Feb-11	178d
5B-08-TRCK-70	Track laying (790m)	20d 25-Feb-11	25-Mar-11	178d
5B-08-SIGN-60	wayside preparation for loops(0) and boxes(4)	2d 23-Mar-11	25-Mar-11	283d
5B-08-TRCK-76	Top Ballast (52 2917 - 52 3526)	10d 25-Mar-11	11-Apr-11	233d
5B-08-TRCK-80	Fencing and Trackside finishes	16d 11-Apr-11	04-May-11	233d
Edinburgh Park Station Tram Stop				
5B-08-TRMS-20	wayleave issued	23d 19-Jul-10	10d-Sep-11	369d
5B-08-SIG-80	Commissioning of SIG -interlocking cubicle	0d 12-Jul-10		353d
5B-08-TRMS-80	Civil Engineering and Builderworks	5d 11-Mar-11	18-Mar-11	353d
5B-07-JNCS-60	Installation of traffic light control - Junction 203	65d 25-Mar-11	29-Jun-11	178d
5B-08-JNCS-80	Installation of traffic light control - Junction 203A	4d 27-Apr-11	04-May-11	267d
5B-08-TRMS-30	Access for visual inspection for E&M Tram Stop installation (05B Edinburgh Park Station)	4d 04-May-11	10-May-11	267d
5B-08-TRMS-40	Deliver and Install Shelter	0d 09-May-11		405d
5B-08-TRMS-31	Access for E&M Tram Stop installation (05B Edinburgh Park Station)	10d 24-May-11	08-Jun-11	178d
5B-08-TRMS-45	Deliver and install cubicle	0d 08-Jun-11		200d
5B-08-TRMS-50	Install LV Power Supply and LV Power Equipment	10d 08-Jun-11	22-Jun-11	178d
5B-08-TRMS-70	Install Telecon Equipment	25d 22-Jun-11	27-Jul-11	178d
5B-08-TRMS-60	Install Station Control Equipment + AFC Equipment	20d 27-Jul-11	25-Aug-11	183d
5B-08-TRMS-80	Package Test Tramslop	25d 27-Jul-11	01-Sep-11	178d
5B-08-TRMS-80	Package Test Tramslop	5d 01-Sep-11	08-Sep-11	178d
Edinburgh Park Station (exc.) to Edinburgh Park Central (inc.)				
5B-07-TRMS-20	wayleave issued	365d 12-Jul-10	05-Oct-11	290d
5B-07-TRMS-90	Civil Engineering and Building Works	30d 12-Jul-10	05-Oct-11	266d
5B-07-TRMS-30	Access for visual inspection for E&M Tram Stop installation (05B Edinburgh Park)	0d 31-Mar-11	05-Jul-11	162d
5B-07-TRMS-40	Deliver and Install Shelter	0d 03-Jun-11		385d
5B-07-TRMS-31	Access for E&M Tram Stop installation (05B Edinburgh Park)	10d 21-Jun-11	05-Jul-11	182d
5B-07-TRMS-45	Deliver and install cubicle	0d 05-Jul-11		184d
5B-07-TRMS-50	Install LV Power Supply and LV Power Equipment	10d 05-Jul-11	19-Jul-11	182d
5B-07-TRMS-70	Install Telecon Equipment	25d 19-Jul-11	24-Aug-11	182d
5B-07-TRMS-60	Install Station Control Equipment + AFC Equipment	20d 24-Aug-11	21-Sep-11	187d
5B-07-TRMS-80	Package Test Tramslop	25d 24-Aug-11	20-Sep-11	182d
5B-07-TRMS-80	Package Test Tramslop	5d 29-Sep-11	05-Oct-11	182d
Trackwork (854m)				
5B-07-TRCK-30	Earthworks- Subbase	11d 30-Aug-10	14-Sep-10	162d
5B-07-TRCK-01(3)	Commence Works	0d 30-Aug-10*		162d
5B-07-TRCK-31(3)	Additional Earthworks	57d 14-Sep-10	03-Dec-10	162d
5B-07-TRCK-50	OLE Foundations - Drainage	19d 03-Dec-10	13-Jan-11	162d
5B-07-TRCK-51(3)	Additional Drainage	17d 13-Jan-11	07-Feb-11	162d
5B-07-TRCK-40	Track Formation - Ducts	16d 07-Feb-11	01-Mar-11	163d
5B-07-TRCK-70	Track laying (854m)	4d 11-Mar-11	18-May-11	182d
5B-07-SIGN-60	wayside preparation for loops(0) and boxes(4)	2d 12-May-11	16-May-11	380d
5B-07-TRCK-80	Track Finishes	15d 16-May-11	07-Jun-11	214d



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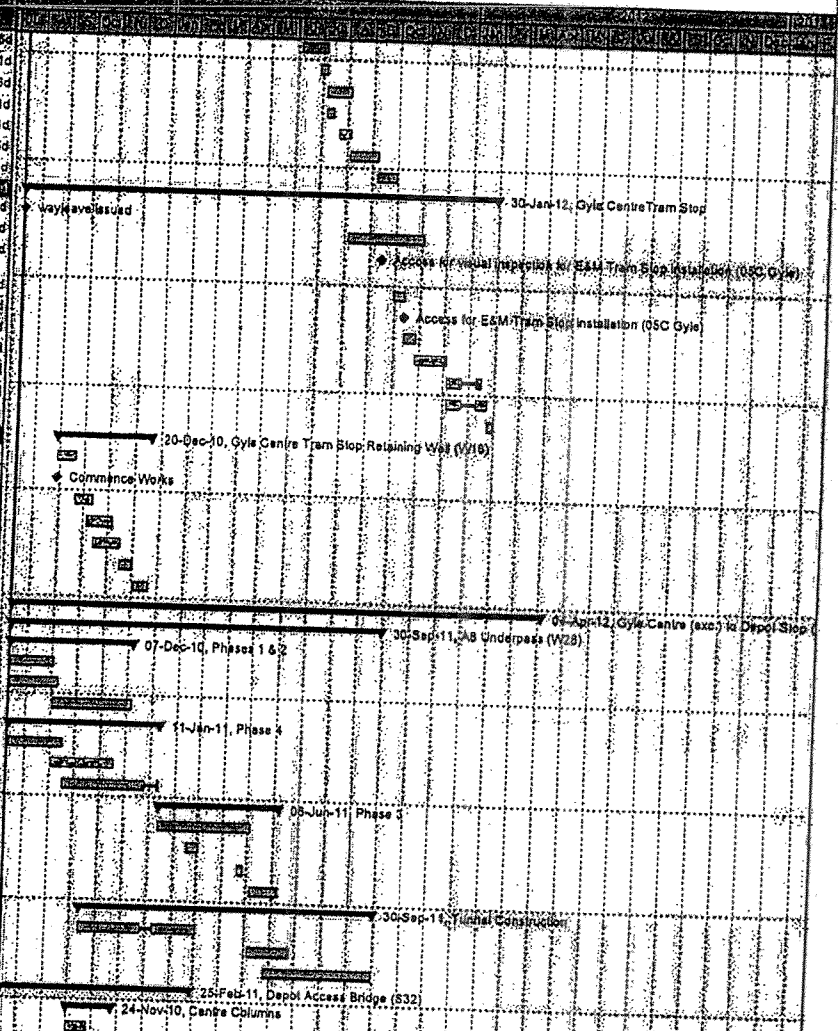
Date	Revision	Checked	Approved	Page	Legend
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC	Page 95 of 44	■ Remaining Work ■ Critical Remaining Work ■ Summary ■ Actual Work ◆ Milestone

Date	Revision	Checked	Approved	Page 36 of 44	Legend
29-Jul-10	Project Carlisle Programme	RSC/MHE	RSC		<ul style="list-style-type: none"> Remaining Work Critical Remaining Work Summary Actual Work Milestones

Item ID	Description	Start	End	Duration	Value	Notes
5B-07-TRCK-31	Fencing	16-Jul-10	21-Jun-11	327d	2370	
Edinburgh Park Station Bridge (S27)						
5B-07-S27-10	Installation of Rails	20-Jul-10	09-Aug-10	21d	2410	
5B-07-S27-11	OLE Poles and Cabling	20-Jul-10	18-May-11	306d	2060	
5B-07-S27-30	Bridge Finishes	5-Jul-10	23-Sep-10	83d	2830	
ORC Edinburgh Park Central (exc.) to Gogarburn (inc.)						
MUDFA & Utilities Completions						
5C-06-UT-10(3)	Edinburgh Park Central to Gyle	0d	12-Jul-10	12d	1200	
5C-03-UTL-10(3)	Gyle to Depot	0d	21-Jul-10	21d	4300	
E & M Installations						
5C-02-OHLE-40	Access for visual inspection for E&M wayside installation DEH - GBN	0d	24-Feb-11	24d	4370	
5C-02-ELEC-40	Access for visual inspection to cable pits for cable laying DEH - GBN	0d	24-Feb-11	24d	4370	
5C-02-OHLE-41	Access for E&M wayside installation DEH - GBN	0d	28-Mar-11	28d	2450	
5C-02-ELEC-70	Install Electrical Cables DEH - GBN	8d	28-Mar-11	05-Apr-11	2720	
5C-02-ELEC-41	Access to cable pits for cable laying DEH - GBN	0d	28-Mar-11	2720	2720	
5C-06-ELEC-30	Access for visual inspection to cable pits for cable laying EDP - GYL	0d	09-Aug-11	347d	3470	
5C-06-OHLE-30	Access for visual inspection for E&M wayside installation EDP - GYL	0d	09-Aug-11	347d	3470	
5C-06-ELEC-31	Access to cable pits for cable laying EDP - GYL	0d	08-Sep-11	174d	1740	
5C-06-TEL-60	Install Fibre Optic Cables EPS - EDP - GYL	8d	08-Sep-11	20-Sep-11	1690	
5C-06-SGNW-60	Install Signalling Wayside Equipment EDP - GYL	10d	08-Sep-11	22-Sep-11	1670	
5C-06-07-OHLE-50	Installation of poles and building fixings -17 (52 4265 - 53 05..)	7d	08-Sep-11	18-Sep-11	1740	
5C-06-OHLE-31	Access for E&M wayside installation EDP - GYL	0d	08-Sep-11	385d	3850	
5C-06-ELEC-60	Install Electrical Cables EDP - GYL	10d	08-Sep-11	22-Sep-11	1870	
5C-06-07-OHLE-60	Overhead Catenary Line -17 (52 4265 - 53 0590)	16d	19-Sep-11	11-Oct-11	1740	
5C-03-ELEC-30	Access for visual inspection to cable pits for cable laying GYL - DEH	0d	20-Dec-11	229d	2290	
5C-03-OHLE-30	Access for visual inspection for E&M wayside installation GYL - DEH	0d	20-Dec-11	229d	2290	
5C-01/03/06-TEL-60	Install Fibre Optic Cables EDP - GYL - DEH + DEP	15d	02-Feb-12	22-Feb-12	560	
5C-03-SGNW-60	Install Signalling Wayside Equipment GYL - DEH	9d	02-Feb-12	14-Feb-12	640	
5C-02/03/06-OHLE-50	Installation of poles and building fixings -18 (53 0466 - 53 17..)	12d	02-Feb-12	17-Feb-12	370	
5C-03-ELEC-31	Access to cable pits for cable laying GYL - DEH	0d	02-Feb-12	560	560	
5C-03-OHLE-31	Access for E&M wayside installation GYL - DEH	0d	02-Feb-12	370	370	
5C-03-ELEC-60	Install Electrical Cables GYL - DEH	9d	02-Feb-12	14-Feb-12	700	
5C-02-SGNW-70	Install Signalling Wayside Equipment DEH - GBN	5d	15-Feb-12	22-Feb-12	640	
5C-02/03/06-OHLE-60	Overhead Catenary Line -18 (53 0456 - 53 1749)	30d	20-Feb-12	30-Mar-12	370	
5C-02/03-TEL-60	Install Fibre Optic Cables GYL - DEH - GBN	8d	23-Feb-12	05-Mar-12	560	
Edinburgh Park (exc.) to Gyle Centre (inc.)						
Trackwork (260m)						
5C-06-TRCK-30	Earthworks and Subbase	20d	30-Aug-10	24-Sep-10	1060	
5C-06-TRCK-25	Commence Works	0d	30-Aug-10	1060	1060	
5C-06-TRCK-31(3)	Additional Earthworks	56d	27-Sep-10	14-Dec-10	1060	
5C-06-TRCK-50	OLE Foundations - Drainage	30d	15-Dec-10	09-Feb-11	1060	
5C-06-TRCK-60	Additional Drainage	40d	09-Feb-11	06-Apr-11	1060	
5C-06-TRCK-40	Track Formation and Ducts	16d	07-Apr-11	25-Apr-11	1060	

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5C-06-TRCK-90	Road Crossings + mob (track laying activities only)	23d 06-Jun-11	07-Jul-11	108d
5C-06-JNGS-70	Installation of traffic light control - Junction 205	7d 28-Jun-11	07-Jul-11	241d
5C-06-TRCK-70	Track laying (760m)	20d 07-Jul-11	05-Aug-11	108d
5C-06-JNGS-60	Installation of traffic light control - Junction 204	6d 07-Jul-11	15-Jul-11	241d
5C-06-SIGN-60	wayside preparation for loops(1) and boxes(15)	9d 22-Jul-11	05-Aug-11	221d
5C-06-TRCK-80	Track Finishes	24d 05-Aug-11	05-Sep-11	155d
5C-06-TRCK-81	Fencing	16d 08-Sep-11	30-Sep-11	181d
Gyle Centre Tram Stop				
5C-06-TRMS-20	Survey & Access	37d 12-Jul-10	13-Jun-11	327d
5C-06-TRMS-90	Civil Engineering and Building Works	0d 12-Jul-10		355d
5C-06-TRMS-30	Access for visual inspection for E&M Tram Stop installation (OSC Gyle)	85d 05-Aug-11	04-Nov-11	108d
		0d 14-Sep-11		332d
5C-06-TRMS-40	Deliver and Install Shelter	10d 30-Sep-11	14-Oct-11	106d
5C-06-TRMS-31	Access for E&M Tram Stop installation (OSC Gyle)	0d 14-Oct-11		127d
5C-06-TRMS-45	Deliver and install cubicle	10d 14-Oct-11	28-Oct-11	106d
5C-06-TRMS-50	Install LV Power Supply and LV Power Equipment	25d 28-Oct-11	05-Dec-11	108d
5C-06-TRMS-70	Install Telecom Equipment	20d 08-Dec-11	16-Jan-12	111d
5C-06-TRMS-60	Install Station Control Equipment + AFC Equipment	25d 05-Dec-11	23-Jan-12	109d
5C-06-TRMS-60	Package Test Tramstop	5d 22-Jan-12	30-Jan-12	108d
Gyle Centre (Tram Stop) Retaining Wall (W16)				
5C-06-W16-111(3)	Temporary Works	6d 30-Aug-10	17-Nov-10	249d
5C-06-W16-110(3)	Commence Works	16d 30-Aug-10	23-Sep-10	112d
5C-06-W16-112(3)	Excavation	0d 30-Aug-10		139d
5C-06-W16-113(3)	Base Construction	16d 21-Sep-10	12-Oct-10	139d
5C-06-W16-114(3)	Wall Construction	24d 05-Oct-10	05-Nov-10	115d
5C-06-W16-115(3)	Drainage & Backfill	24d 13-Oct-10	15-Nov-10	115d
5C-06-W16-116(3)	Finishes	11d 16-Nov-10	01-Dec-10	118d
		13d 02-Dec-10	20-Dec-10	348d
Gyle Centre (exc.) to Depot Stop (Inc.)				
As Underpass (W28)				
Phase 1 & 2				
5C-03-W28-90(3)10	Deck Construction	38d 12-Jul-10	02-Sep-10	78d
5C-03-W28-90(3)20	North Portal	42d 12-Jul-10	08-Sep-10	415d
5C-03-W28-90(3)30	Finishes	67d 03-Sep-10	07-Dec-10	76d
Phase 3				
5C-03-W28-92(3)10	Deck Construction	12d 12-Jul-10	03-Sep-10	259d
5C-03-W28-92(3)20	South Portal	47d 12-Jul-10	16-Sep-10	34d
5C-03-W28-92(3)30	Finishes	55d 02-Sep-10	17-Nov-10	496d
Phase 4				
5C-03-W28-91(3)10	Deck Construction	01d 12-Jul-10	03-Sep-10	372d
5C-03-W28-91(3)	Temporary Works	78d 12-Jan-11	03-May-11	34d
5C-03-W28-91(3)20	Reinstate Retaining Wall	11d 16-Feb-11	02-Mar-11	432d
5C-03-W28-91(3)30	Finishes	6d 18-Apr-11	26-Apr-11	394d
Tunnel Construction				
5C-03-W28-94(3)	Phases 1 & 2	23d 04-May-11	06-Jun-11	259d
5C-03-W28-94(3)10	Phase 3	91d 12-Oct-10	02-Mar-11	76d
5C-03-W28-94(3)20	Phase 4	36d 04-May-11	23-Jun-11	34d
Depot Access Bridge (S32)				
5C-03-S32-30(3)	Pile Caps	163d 12-Jul-10	02-Feb-11	65d
		17d 01-Oct-10	26-Oct-10	204d



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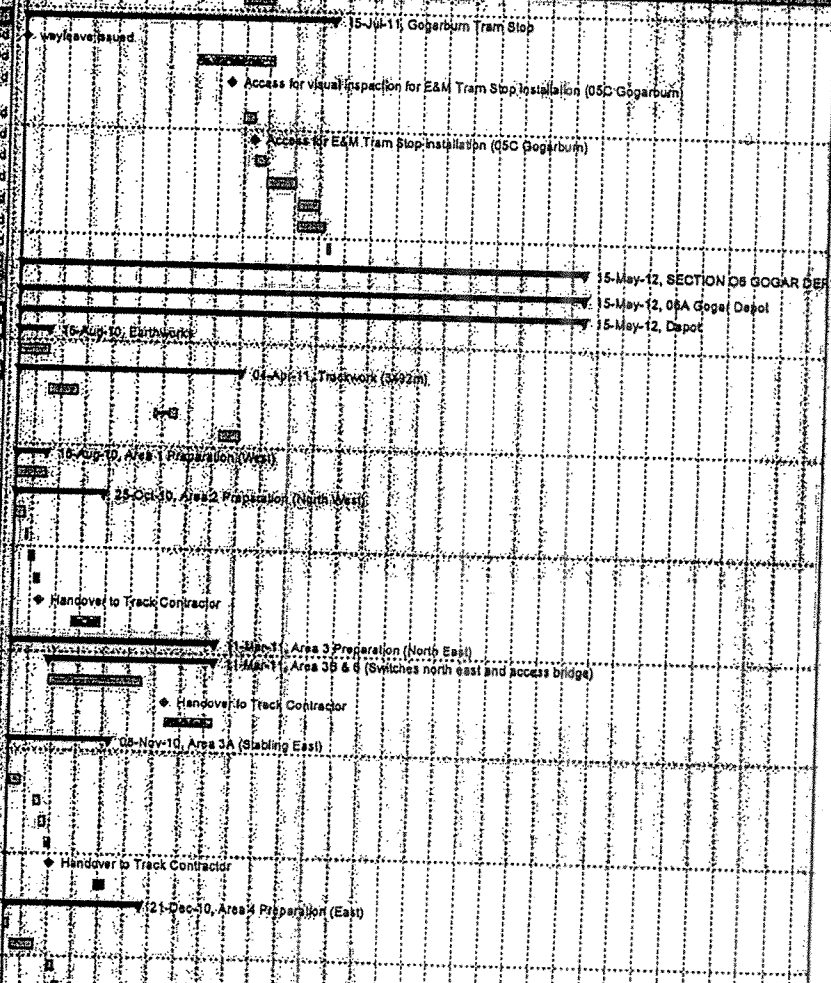
Date	Revision	Checked	Approved	Page 37 of 44	Legend: Remaining Work, Critical Remaining Work, Actual Work, Milestone, Summary
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC		

Date	Revision	Checked	Approved	Page 38 of 44	Remaining Work	Critical Remaining Work	Summary
29-Jul-10	Project Carlisle Programme	BSC/MHE	BSC		Actual Work	Milestone	

Code	Description	Start	End	Duration	Quantity
5C-03-S32-35(3)	Columns	22d 26-Oct-10	24-Nov-10	24d	204d
5C-03-S32-15(3)	Walls	18d 12-Jul-10	05-Aug-10	28d	283d
5C-03-S32-20(3)	Drainage & Backfill	12d 18-Jul-10	04-Aug-10	17d	671d
5C-03-S32-40(3)	Temporary Works	53d 12-Jul-10	23-Sep-10	139d	139d
5C-03-S32-45(3)	Piling	26d 23-Jul-10	30-Aug-10	55d	553d
5C-03-S32-50(3)	Pile Caps	31d 17-Sep-10	29-Oct-10	139d	139d
5C-03-S32-55(3)	Walls	33d 08-Oct-10	23-Nov-10	139d	139d
5C-03-S32-60(3)	Drainage & Backfill	25d 17-Nov-10	22-Dec-10	47d	472d
5C-03-S32-65(3)	Deck	49d 05-Nov-10	127-Jan-11	139d	139d
5C-03-S32-70(3)	Finishes	31d 14-Jan-11	05-Feb-11	43d	435d
Trackwork (582m)					280d 28-Jan-11 16-Feb-12 105d
5C-03-TRCK-30	Bulk Excavation	12d 28-Jan-11	14-Feb-11	13d	139d
5C-03-TRCK-31(3)	Additional Excavation	24d 15-Feb-11	18-Mar-11	139d	139d
5C-03-TRCK-50	Drainage and OLE Foundations	23d 21-Mar-11	21-Apr-11	147d	147d
5C-03-TRCK-51(3)	Additional drainage	31d 21-Mar-11	04-May-11	139d	139d
5C-03-TRCK-40	Track Formation and Ducts	12d 03-Oct-11	18-Oct-11	34d	34d
5C-03-TRCK-70	Track Laying (582m)	47d 19-Oct-11	23-Dec-11	34d	34d
5C-03-SIGN-70	point machine mechanical set up	10d 19-Oct-11	01-Nov-11	134d	134d
5C-03-SIGN-60	wayside preparation for loops(7) and boxes(2)	8d 14-Dec-11	23-Dec-11	225d	225d
5C-03-TRCK-80	Track Finishes	18d 09-Jan-12	01-Feb-12	37d	37d
5C-03-TRCK-81	Fencing and Reinstallments	11d 02-Feb-12	16-Feb-12	68d	68d
Depot Stop					42d 12-Jul-10 04-Apr-12 360d
5C-06B-TRMS-20(3)	wayside issued	0d 12-Jul-10			360d
5C-06B-TRMS-80(3)	Civil Engineering and Building Works incl related cubicle foundations and cable ducts	65d 19-Oct-11	01-Feb-12	34d	34d
5C-06B-TRMS-30(3)	Access for visual inspection for E&M Tram Stop installation (05C Gyle)	0d 13-Dec-11			244d
5C-06B-TRMS-40(3)	Deliver and install shelter	10d 15-Dec-11	11-Jan-12	34d	34d
5C-06B-TRMS-31(3)	Access for E&M Tram Stop installation (05C Gyle)	0d 11-Jan-12			34d
5C-06B-TRMS-45(3)	Deliver and install cubicle	10d 12-Jan-12	25-Jan-12	34d	34d
5C-06B-TRMS-50(3)	Install LV Power Supply and LV Power Equipment	25d 26-Jan-12	29-Feb-12	34d	34d
5C-06B-TRMS-70(3)	Install Telecon Equipment	20d 01-Mar-12	28-Mar-12	34d	34d
5C-06B-TRMS-80(3)	Site Acceptance Test Transp	5d 29-Mar-12	04-Apr-12	34d	34d
Depot Stop (exc.) to Gogarburn (inc.)					25d 12-Jul-10 15-Jul-11 338d
Design					6d 12-Jul-10 12-Jul-10 28d
5C-02-TRMS-10	Issue Construction Drawings Gogarburn Tram Stop	0d			28d
Trackwork (582m)					184d 30-Aug-10 03-May-11 320d
5C-02-TRCK-51(3)	Pre Earthworks Drainage	31d 30-Aug-10	11-Oct-10	170d	170d
5C-02-TRCK-30	Earthworks	12d 12-Oct-10	27-Oct-10	170d	170d
5C-02-TRCK-50	Drainage	23d 28-Oct-10	30-Nov-10	170d	170d
5C-02-TRCK-40	OLE Foundations & Ducts	12d 01-Dec-10	16-Dec-10	170d	170d
5C-02-TRCK-91	Sub Base & Ballast	11d 17-Dec-10	14-Jan-11	170d	170d
5C-02-TRCK-70	Track Laying (582m)	32d 17-Jan-11	01-Mar-11	170d	170d
5C-02-SIGN-70	point machine mechanical set up	15d 17-Jan-11	04-Feb-11	322d	322d
5C-02-SIGN-60	wayside preparation for loops(4) and boxes(1)	5d 23-Feb-11	01-Mar-11	433d	433d
5C-02-TRCK-80	Track Finishes	18d 02-Mar-11	25-Mar-11	196d	196d

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Code	Description	Start	End	Duration	Value
SECTION 08 GOGARBUM DEPOT					
Gogarbum Tram Stop					
5C-02-TRCK-61	Fencing and Reinstatements	25d 24-Jul-11	03d 03-Aug-11	10d	390d
5C-02-TRMS-30	Wayleave issued	25d 12-Jul-10	15d 14-Jul-10	10d	355d
5C-02-TRMS-90	Civil Engineering and Building Works	0d 12-Jul-10			170d
5C-02-TRMS-30	Access for visual inspection for E&M Tram Stop installation (05C Gogarbum)	65d 02-Feb-11	05d 05-May-11	10d	438d
5C-02-TRMS-40	Deliver and Install Shelter	10d 30-Mar-11	13d 13-Apr-11	14d	210d
5C-02-TRMS-31	Access for E&M Tram Stop installation (05C Gogarbum)	0d 13-Apr-11			234d
5C-02-TRMS-45	Deliver and Install cubicle	10d 14-Apr-11	27d 27-Apr-11	13d	210d
5C-02-TRMS-50	Install LV Power Supply and LV Power Equipment	25d 28-Apr-11	03d 03-Jun-11	35d	210d
5C-02-TRMS-70	Install Telecom Equipment	20d 06-Jun-11	01d 01-Jul-11	26d	220d
5C-02-TRMS-80	Install Station Control Equipment + AFC Equipment	25d 06-Jun-11	08d 08-Jul-11	13d	210d
5C-02-TRMS-80	Package Test Tramstop	5d 11-Jul-11	15d 15-Jul-11	10d	210d
06A GOGARBUM DEPOT					
Depot					
Earthworks					
6A-01-TRCK-51(3)	Drainage	25d 12-Jul-10	16d 16-Aug-10	25d	503d
Trackwork (3492m)					
6A-01B-TRCK-70	Trackwork in Workshop	22d 12-Jul-10	10d 10-Aug-10	20d	210d
6A-01-SIGN-80	wayside preparation for loops(X) and boxes(X)	25d 17-Aug-10	30d 30-Sep-10	13d	173d
6A-01C-TRCK-70	Track Laying Finishing	10d 22-Dec-10	18d 18-Jan-11	26d	493d
Area 1 Preparation (West)					
6A-011-TRCK-95(3)10	Trackwork	25d 12-Jul-10	16d 16-Aug-10	25d	173d
Area 2 Preparation (North West)					
6A-012-TRCK-60(3)	Ducts	25d 12-Jul-10	25d 25-Jul-10	25d	173d
6A-012-TRCK-74(3)	Cut Formation / Sub Ballast	10d 12-Jul-10	23d 23-Jul-10	11d	200d
6A-012-TRCK-75(3)	First Layer Ballast	3d 28-Jul-10	28d 28-Jul-10	25d	200d
6A-012-TRCK-76(3)	Second Layer Ballast	5d 29-Jul-10	05d 05-Aug-10	7d	200d
6A-012-TRCK-95(3)	Handover to Track Contractor	0d 06-Aug-10	12d 12-Aug-10	12d	200d
6A-012-TRCK-96(3)	Trackwork	0d 12-Aug-10			200d
Area 3 Preparation (North East)					
6A-013-TRCK-75(3)10	Civil Preparation	80d 25-Aug-10	15d 15-Dec-10	111d	204d
6A-013-TRCK-95(3)10	Handover to Track Contractor	0d 14-Jan-11	14d 14-Jan-11	14d	174d
6A-013-TRCK-96(3)10	Trackwork	40d 14-Jan-11	11d 11-Mar-11	57d	174d
Area 3A Preparation (East)					
6A-013-TRCK-52(3)	Drains	2d 12-Jul-10	15d 15-Jul-10	13d	218d
6A-013-TRCK-80(3)	Ducts	10d 14-Jul-10	27d 27-Jul-10	13d	218d
6A-013-TRCK-74(3)	Cut Formation / Sub Ballast	5d 13-Aug-10	19d 19-Aug-10	6d	205d
6A-013-TRCK-75(3)	First Layer Ballast	5d 20-Aug-10	28d 28-Aug-10	8d	205d
6A-013-TRCK-76(3)	Second Layer Ballast	5d 27-Aug-10	02d 02-Sep-10	6d	205d
6A-013-TRCK-95(3)	Handover to Track Contractor	0d 02-Sep-10	10d 10-Sep-10	10d	210d
6A-013-TRCK-96(3)	Trackwork	10d 26-Oct-10	06d 06-Nov-10	11d	173d
Area 4 Preparation (East)					
6A-014-TRCK-52(3)	Drains	5d 12-Jul-10	16d 16-Jul-10	14d	218d
6A-014-TRCK-60(3)	Ducts	20d 19-Jul-10	15d 15-Aug-10	26d	210d
6A-014-TRCK-74(3)	Cut Formation / Sub Ballast	5d 03-Sep-10	09d 09-Sep-10	5d	205d
6A-014-TRCK-75(3)	First Layer Ballast	5d 10-Sep-10	16d 16-Sep-10	6d	205d

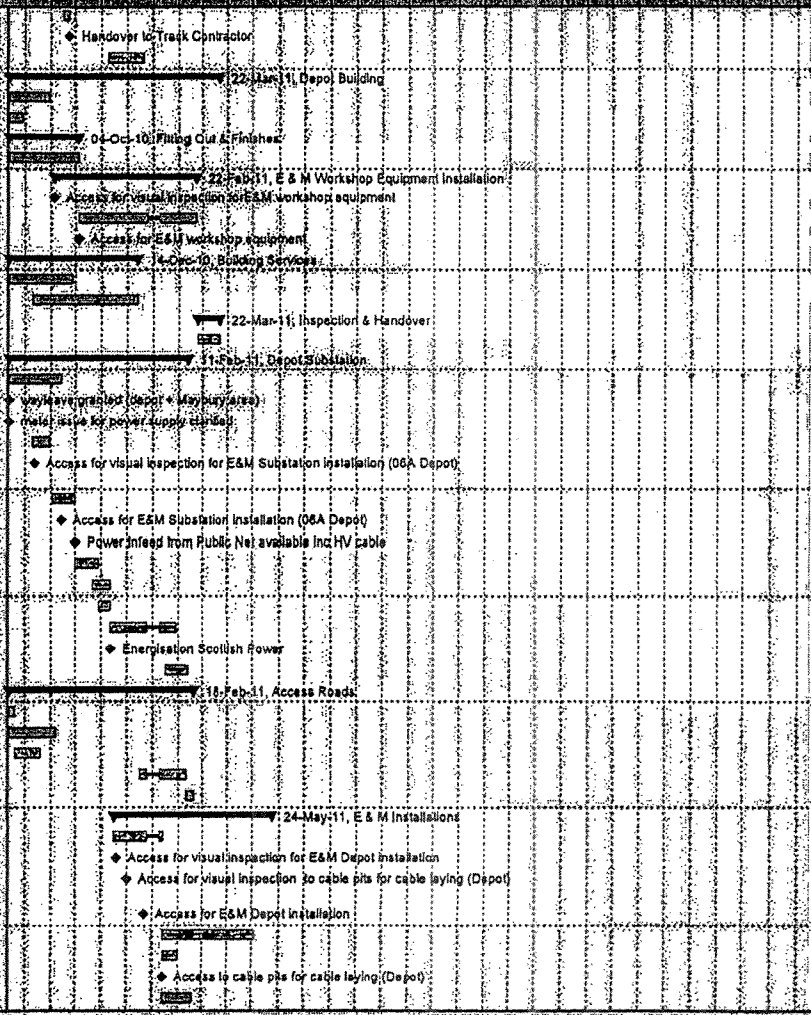


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Date	Revision	Checked	Approved
29-Jul-10	Project Carlisle Programme	SSC/MHE	BSC

Remaining Work
 Critical Remaining Work
 Actual Work
 Summary
 ◆ Milestones

Code	Description	Start	End	Duration	Resources
6A-014-TRCK-76(3)	Second Layer Railset	5d 17-Sep-10	23-Sep-10	205d	
6A-014-TRCK-95(3)	Handover to Track Contractor	0d	23-Sep-10	205d	
6A-014-TRCK-96(3)	Trackwork	30d 09-Nov-10	21-Dec-10	173d	
Depot Building					
6A-01-BLDS-55	Pits	33d 12-Sep-10	30-Nov-10	55d	
6A-01-BLDS-65	Building Envelope	14d 12-Jul-10	29-Jul-10	67d	
Fitting Out & Finishes					
6A-01-BLDS-71	Fitting out and Finishes	80d 12-Jul-10	04-Oct-10	206d	
E & M Workshop Equipment Installation					
6A-01-BLDS-30	Access for visual inspection for E&M workshop equipment	0d 06-Sep-10		875d	
6A-01-BLDS-72	Installation of workshop equipment	90d 05-Oct-10	22-Feb-11	418d	
6A-01-BLDS-31	Access for E&M workshop equipment	0d 05-Oct-10		554d	
Building Services					
6A-01-BLDS-70	Building Services Installation	53d 12-Jul-10	27-Sep-10	209d	
6A-01-BLDS-80	Building Services Commissioning	90d 10-Aug-10	14-Dec-10	280d	
Inspection & Handover					
6A-01-BLDS-81	Inspection and Testing	20d 23-Feb-11	22-Mar-11	419d	
Depot Substation					
6A-01-SUBS-90	Civil Engineering and Building Works	45d 12-Jul-10	13-Sep-10	276d	
6A-01-SUBS-110	Wayleave granted (depot + Maybury area)	0d	12-Jul-10	281d	
6A-01-SUBS-120	meter issue for power supply clarified	0d	12-Jul-10	301d	
6A-01-SUBS-100	meter issue for power supply clarified	15d 10-Aug-10	31-Aug-10	276d	
6A-01-SUBS-30	Access for visual inspection for E&M Substation Installation (06A Depot)	0d 13-Aug-10		691d	
6A-01-SUBS-130	Installation HV cable	20d 03-Sep-10	30-Sep-10	273d	
6A-01-SUBS-31	Access for E&M Substation installation (06A Depot)	0d 13-Sep-10		301d	
6A-01-SUBS-40	Power Infeed from Public Net available inc HV cable	0d 01-Oct-10		273d	
6A-01-SUBS-45	Install HV Power Supply and Equipment (SP)	20d 01-Oct-10	28-Oct-10	273d	
6A-01-SUBS-70	Install Telecom and Scada	15d 22-Oct-10	11-Nov-10	445d	
6A-01-SUBS-50	Install LV Power Supply and LV Power Equipment	10d 29-Oct-10	11-Nov-10	445d	
6A-01-SUBS-60	Installation of TPS Equipment	45d 12-Nov-10	28-Jan-11	445d	
6A-01-SUBS-55	Energisation Scottish Power	0d 12-Nov-10		500d	
6A-01-SUBS-80	Testing and Commissioning	20d 17-Jan-11	11-Feb-11	445d	
Access Roads					
6A-01-ROAD-90(3)	Carpark	8d 12-Jul-10	19-Jul-10	524d	
6A-01-ROAD-91(3)	Hardstanding	40d 12-Jul-10	06-Sep-10	548d	
6A-01-ROAD-94(3)	Access Road	22d 20-Jul-10	19-Aug-10	524d	
6A-01-ROAD-95(3)	Complete Access Road & Finishes	30d 17-Sep-10	10-Feb-11	440d	
6A-01-JNCS-60	Installation of traffic light control - Junction 208	8d 11-Feb-11	18-Feb-11	440d	
E & M Installations					
6A-01-OHLE-50(3)	Installation of poles and building fixings (Depot)	32d 16-Nov-10	13-Jan-11	173d	
6A-01-OHLE-40	Access for visual inspection for E&M Depot installation	0d 19-Nov-10		495d	
6A-01-ELEC-40	Access for visual inspection to cable pits for cable laying (Depot)	0d 01-Dec-10		488d	
6A-01-OHLE-41	Access for E&M Depot installation	0d 22-Dec-10		173d	
6A-01-OHLE-60(3)	Overhead Catenary Line (Depot)	76d 14-Jan-11	03-May-11	173d	
6A-01-SGNW-70	Install Signalling Wayside Equipment (Depot)	12d 14-Jan-11	01-Feb-11	454d	
6A-01-ELEC-41	Access to cable pits for cable laying (Depot)	0d 14-Jan-11		418d	
6A-01-ELEC-70	Install Electrical Cables Depot	25d 14-Jan-11	18-Feb-11	441d	

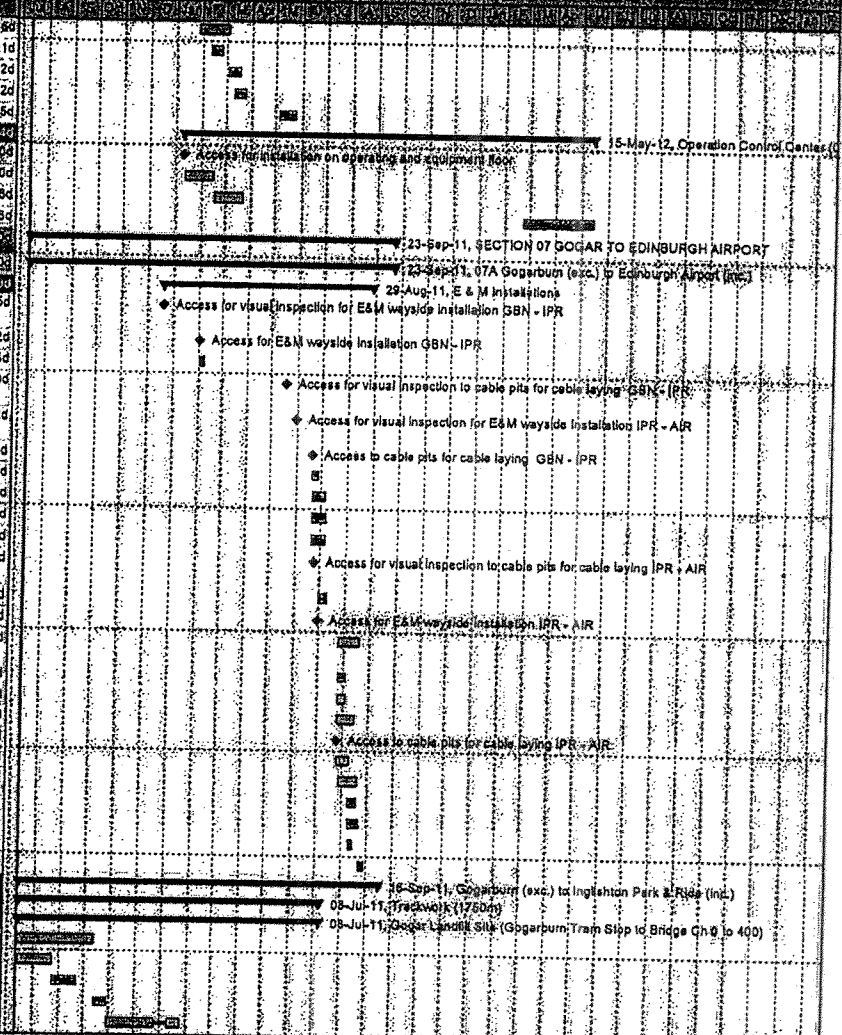


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Date	Revision	Checked	Approved
29-Jul-10	Project Carlisle Programme	GSC/MHE	BSC

■ Remaining Work
 ■ Critical Remaining Work
 ▼ Summary
— Actual Work
 ◆ Milestone

ID	Description	Start	End	Duration
8A-01-SIGN-40	Installation of 2 SIG-interlocking cubicles depot entries	25d 28-Jan-11	04-Mar-11	43d
5C-02-SIGN-90	Installation of SIG equipment on depot entry west	10d 11-Feb-11	25-Feb-11	42d
5C-03-SIGN-90	Installation of SIG equipment on depot entry east	10d 04-Mar-11	18-Mar-11	412d
8A-01-SIGN-80	Commissioning of 2 SIG-interlocking cubicles depot entries	10d 11-Mar-11	25-Mar-11	412d
8A-01-OHLE-80(3)10	OCS Testing & Commissioning	15d 04-May-11	24-May-11	575d
Operation Control Center (OCC)				
8A-01-SIGN-100	Access for installation on operating and equipment floor	35d 11-Jun-11	15-Aug-11	134d
8A-01-SIGN-110	operating floor fit out	0d	14-Jun-11	292d
8A-01-SIGN-150	equipment floor fit out SIG/COM/SCADA/Radio	25d 12-Jan-11	18-Feb-11	280d
8A-01-SIGN-200	testing and commissioning OCC equipment AIR - HAY	25d 16-Feb-11	22-Mar-11	418d
60d 21-Feb-12	15-May-12	6d		
SECTION 07 GOGARBURM TO EDINBURGH AIRPORT				
07A Gogarbun (exc.) to Edinburgh Airport (inc.)				
E & M Installations				
7A-04-OHLE-30	Access for visual inspection for E&M wayside installation GBN - IPR	0d 20-Dec-10	29-Aug-11	309d
7A-04-OHLE-31	Access for E&M wayside installation GBN - IPR	0d 02-Feb-11		232d
7A-04-OHLE-50	Installation of poles and building fixings -20 (71 0581 - 71 13...	4d 02-Feb-11	07-Feb-11	244d
7A-04-ELEC-30	Access for visual inspection to cable pits for cable laying GBN - IPR	0d 18-May-11		380d
7A-05-OHLE-30	Access for visual inspection for E&M wayside installation IPR - AIR	0d 31-May-11		372d
7A-04-ELEC-31	Access to cable pits for cable laying GBN - IPR	0d 20-Jun-11		139d
7A-02/04-OHLE-50	Installation of poles and building fixings -19 (53 1566 - 71 07...	7d 20-Jun-11	28-Jun-11	139d
7A-04-ELEC-60	Install Electrical Cables GBN - IPR	13d 20-Jun-11	06-Jul-11	338d
7A-01/02/04-TELC-60	Install Fibre Optic Cables DEH - GBN - IPR + DEP	15d 20-Jun-11	08-Jul-11	343d
7A-04-SGNW-60	Install Signalling Wayside Equipment GBN - IPR	13d 20-Jun-11	06-Jul-11	338d
7A-05-ELEC-30	Access for visual inspection to cable pits for cable laying IPR - AIR	0d 23-Jun-11		355d
7A-04/05-OHLE-50(3)	Installation of poles and building fixings -21 (71 1129 - 71 25...	7d 30-Jun-11	11-Jul-11	120d
7A-05-OHLE-31	Access for E&M wayside installation IPR - AIR	0d 30-Jun-11		129d
7A-04/05-OHLE-60(3)	Overhead Catenary Line -21 (71 1129 - 71 2580 + 71 2368 - 71 2512)	18d 25-Jul-11	18-Aug-11	119d
7A-05-ELEC-60	Install Electrical Cables IPR - AIR	7d 25-Jul-11	04-Aug-11	328d
7A-05-SGNW-60	Install Signalling Wayside Equipment IPR - AIR	7d 25-Jul-11	04-Aug-11	328d
7A-05-SIGN-40	Installation of SIG-interlocking cubicle AIR	15d 25-Jul-11	15-Aug-11	320d
7A-05-ELEC-31	Access to cable pits for cable laying IPR - AIR	0d 25-Jul-11		308d
7A-04/05-TELC-70	Install Fibre Optic Cables GBN - IPR - AIR	10d 25-Jul-11	09-Aug-11	319d
7A-02/04-OHLE-80	Overhead Catenary Line -19 (53 1566 - 71 0781)	16d 27-Jul-11	18-Aug-11	119d
7A-04-OHLE-60	Overhead Catenary Line -20 (71 0581 - 71 1351)	9d 08-Aug-11	19-Aug-11	119d
7A-05-SIGN-90	Installation of SIG equipment on crossover AIR	10d 08-Aug-11	22-Aug-11	320d
7A-05-TELC-50	Install Fibre Optic Cables IPR - AIR	4d 09-Aug-11	15-Aug-11	319d
7A-05-SIGN-80	Commissioning of SIG-interlocking cubicle AIR	5d 22-Aug-11	29-Aug-11	320d
Gogarbun (exc.) to Ingleton Park & Ride (inc.)				
Trackwork (1750m)				
7A-04-TRCK-110(3)	Three Months Settlement Period (Dummy)	65d 12-Jul-10	12-Oct-10	122d
7A-04-TRCK-120	Pre Earthworks Drainage	30d 12-Jul-10	23-Aug-10	170d
7A-04-TRCK-130	Earthworks Outwith Landfill Area	22d 24-Aug-10	22-Sep-10	244d
7A-04-TRCK-120(3)	Remove Surcharge	12d 13-Oct-10	28-Oct-10	122d
7A-04-TRCK-130(3)	Soil Nailing	52d 28-Oct-10	25-Jan-11	122d



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Date	Revision	Checked	Approved	Page 41 of 44	Remaining Work	Critical Remaining Work	Summary
29-Jul-10	Project Carlisle Programme	SSCMHE	BSC		Actual Work	Milestone	