Edinburgh Trams

For the attention of Martin Foerder - Project Director
Bilfinger Berger - Siemens - CAF Consortium
9 Lochside Avenue
Edinburgh Park
Edinburgh
EH12 9DJ

Our Ref: INF CORR 5210

Date: 28 May 2010

Dear Sir,

Edinburgh Tram Network
Infraco Contract

Thank you for your letter dated 21 May 2010 – reference 25.1.201/KDR/5689. Your letter appears to be founded on the idea that what you claim to be an innovative approach (by us) to the terms of the Infraco Contract is unnecessary and that it is consequently something you cannot, or will not, agree to. However this does not explain why you were proposing a "supplemental" agreement or why you did not object to the Princes Street Agreement. Whilst it may be just an exercise in semantics, we would consider an innovative (a forward looking approach which produces something not done before) preferable to a supplemental (making up a deficiency) solution, especially as you purport to be complying with the terms of the Infraco Contract. It would be useful if you could explain why the "supplemental" approach is acceptable when the "innovative" approach isn't.

With apologies for continuing with the semantic theme; "delinquency" means failure to carry out one's duty and we believe that it describes the manner in which you have approached this project. Despite your protestations of innocence, we note that you are not prepared to answer our specific complaints, relying on placing the burden of proof on us to demonstrate your failures. This is in itself a repudiation of what is by its true meaning, an innovative contract. Clause 6 of the Infraco Contract places obligations on you which should, if observed by you, prevent the necessity for us to complain.

Paragraph 7 of your letter is an example of your failure in your duties pursuant to Clause 11. We do not understand what you mean by your position being well documented on the question of design. Please be specific: are you denying your core responsibility for the production of a competent, buildable and fully integrated design?

We do know that it is common ground between us that the performance by the SDS Provider under your management is not acceptable. We are able to refer to the recent meeting on 19 May 2010 with your Mr. Ed Kitzman in attendance, when the representatives of Parson Binkerhoff, and Mr. Kitzman, could not:

- give a date for delivery of IFC on the Gogar Station;
- confirm when they would deliver the flood report at the Airport; and

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- offer any sensible proposals for the design of On-street track-work.

Moreover, it was clear from that meeting, with Mr. Poulton from CEC present, that CEC assert that delays caused by you getting approval from them, are caused chiefly by the lack of a cogent and updated Design Programme. Neither Mr. Kitzman nor Parson Brinkerhoff were able to satisfy Mr. Poulton's assertions – although Mr. Kitzman did say he would investigate the matter. Parson Brinkerhoff offered lame mitigation, explaining that it was taking a long time for CEC to decide on the design of tram-stops.

All of the above is a clear indication of unsatisfactory performance by Infraco of its duties pursuant to Clauses 7.2, 11.3 and 11.4 which may arise in part by the SDS Provider's failure to perform in accordance with Clause 3 and paragraph 2.1 of Schedule 1 of the SDS Agreement.

You may have taken the SDS Provider to task over their "delinquency" and given them written instructions and warnings, including notice of intent to charge them for your losses. Such actions would clearly be required to deliver the Infraco Works with due expedition and you should therefore disclose them to us on request pursuant to Clause 104. Please disclose all such instructions, warning and notices within 5 business days.

Further example of failure to perform is shown by the attached seven schedules which record the "Design Evolution from Russell Road to Balgreen Road". It is clear from these schedules that IFC have been delivered too late to meet your Revision 1 Programme. There is also evidence of extensive and continuous updating of later delivery dates for IFC's, and extensive time has been taken to integrate the design (much is not yet integrated).

For the sake of further amplification of the performance of yourselves and the SDS Provider we would be grateful to hear Mr. Kitzman's views (being relatively new to the project) on whether in his opinion the design solution from Russell Road to Balgreen Road represents best value.

Clearly there has been a substantial break down in performance by Infraco Members and/or the SDS Provider. It is clear to us that whilst some may see that the Infraco Contract is not a typical design and build contract (without explanation of what one may be but under explanation by us that the Infraco Contract is an innovative contract) that you do not deny your obligations pursuant to Clause 11.

The seven schedules demonstrate a disjointed delivery of design solutions for which you are responsible for coordinating. In the hypothesis that the manner you interpret and apply Clause 80, Schedule Part 4 and Clause 34.1 is correct, your failure to manage the design causes further delay to reaching agreement on the terms of a **tie** Change Order. As your letter de facto recognises, each and every alleged change has to be considered on its merits; your habit of submitting incomplete Estimates renders any decision reached by an Adjudicator (which by the rules is subject to challenge) almost certain to be the subject of a reference by us to a higher authority. If for no other reason we will be seeking to recover any additional direct costs over and above best value arising from the design developed under your management.

Despite the delay in completing an integrated design you do not explain why you are not culpable for the delay. Consequently, you are not able to support your proposition that "it is beyond doubt that the predominent reason for delay (is utility diversions)". It would appear not

be the case. Rather than relying on the inappropriate concept of you not being "required to prove a negative" we would suggest that you concentrate on substantiating your entitlements to extension of time and loss and expense on the basis that you being late does not, of itself, entitle you to compensation.

We have seen fit to assist you in the past in the absence of a properly substantiated claim – but you appear to reject our offer of extension and loss and expense made by our letter dated 13 November 2009. We do not withdraw the extension – but we do withdraw the offer to pay loss and expense until such time that you properly substantiate that you have suffered loss for which you should be compensated. Moreover, fully explain your position on the absence of an integrated design over 2 years after contract award and what steps you have taken to mitigate delay and loss arising therefrom.

Yours faithfully,

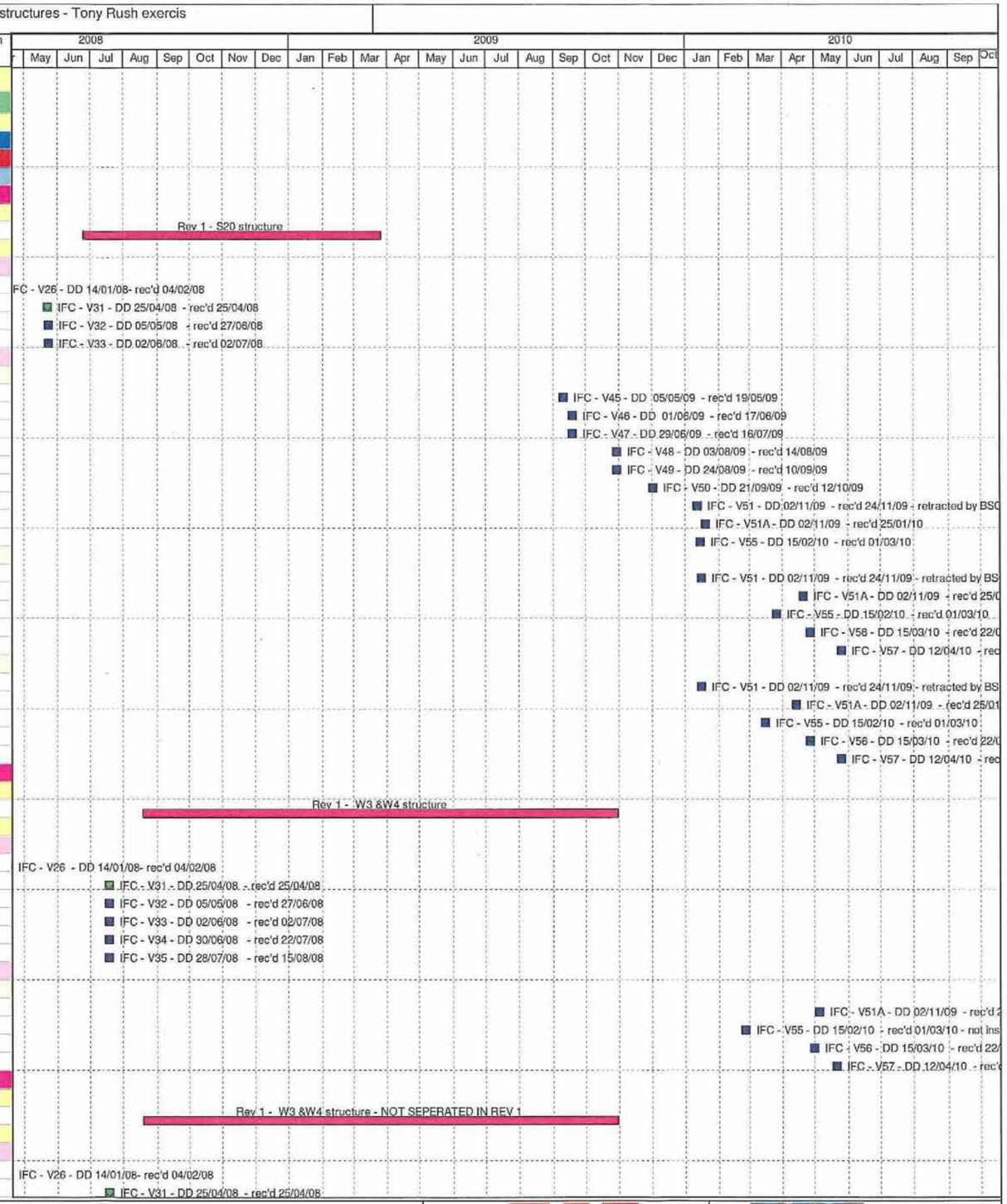
[redacted]

Steven Bell
Project Director – Edinburgh Tram

Section 5A - BDDI - IFC Design Russell Road Bridge - Balgreen Rd - DO NOT SCHEDULE - inc Rev

Tram - 5A structures - Tony Rush exercis

Activity ID	Activity Name	Original Duration	Start	Finish	Rev 1 Construction Finish
Total		633d	08-Apr-08 A	22-Sep-10	
Section 5A - BDDI - IFC Design Russell Road Bridge - Balgreen Rd - D		633d	08-Apr-08 A	22-Sep-10	
SECTION 05 ROSEBURN JUNCTION TO GOGAR		633d	08-Apr-08 A	22-Sep-10	
Opening Sequence A (Airport to Haymarket)		633d	08-Apr-08 A	22-Sep-10	
05A Roseburn Junction (exc.) to Balgreen Road (inc.)		633d	08-Apr-08 A	22-Sep-10	
Roseburn Junction (exc.) to Murrayfield Stadium (inc.)		547d	08-Apr-08 A	25-May-10	
Russell Road Underbridge (S20)		547d	08-Apr-08 A	25-May-10	
Rev 1 - BSC construction - S20		191d	24-Jun-08	26-Mar-09	
A4530	Rev 1 - S20 structure	276d	24-Jun-08	26-Mar-09	
Design		547d	08-Apr-08 A	25-May-10	
SDS "for Construction" Design		32d	08-Apr-08 A	23-May-08	
A1000	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		08-Apr-08	26-Mar-09
A4290	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	23-May-08*		26-Mar-09
A4300	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		23-May-08	26-Mar-09
A4310	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		23-May-08 A	26-Mar-09
Siemens Integrated Design Activities		183d	10-Sep-09 A	25-May-10	
Direct Fix Trackform - DCR0125		93d	10-Sep-09 A	19-Jan-10	
A4320	IFC - V45 - DD 05/05/09 - rec'd 19/05/09	0d		10-Sep-09	
A4330	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		18-Sep-09	
A4340	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		18-Sep-09	
A4350	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		29-Oct-09	
A4360	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		29-Oct-09	
A4370	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		01-Dec-09	
A4380	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		11-Jan-10	
A4390	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		19-Jan-10	
A4400	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		15-Jan-10 A	
OLE Interface design		92d	15-Jan-10	25-May-10	
A4430	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		15-Jan-10	
A4440	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		20-Apr-10	
A4450	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		26-Mar-10	
A4460	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		26-Apr-10	
A4470	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		25-May-10	
Earthing & Bonding		92d	15-Jan-10	25-May-10	
A4480	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		15-Jan-10	
A4490	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		13-Apr-10	
A4500	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		15-Mar-10	
A4510	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		26-Apr-10	
A4520	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		25-May-10	
Russell Road Retaining Walls (W1) - W3		539d	15-Apr-08 A	20-May-10	
Rev 1 - BSC construction - W1&W2		307d	19-Aug-08	30-Oct-09	
A4540	Rev 1 - W3 &W4 structure	438d	19-Aug-08	30-Oct-09	
Design		539d	15-Apr-08 A	20-May-10	
SDS "for Construction" Design		67d	15-Apr-08 A	18-Jul-08	
A1010	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		15-Apr-08	30-Oct-09
A1140	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	18-Jul-08*		30-Oct-09
A1260	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		18-Jul-08	30-Oct-09
A1380	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		18-Jul-08	30-Oct-09
A1500	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		18-Jul-08	30-Oct-09
A1620	IFC - V35 - DD 28/07/08 - rec'd 15/08/08	0d		18-Jul-08 A	30-Oct-09
Siemens Integrated Design Activities		60d	25-Feb-10	20-May-10	
OLE Interface design		60d	25-Feb-10	20-May-10	
A3480	IFC - V51A - DD 02/11/09 - rec'd 25/01/10 - not instructed	0d		05-May-10	
A3610	IFC - V55 - DD 15/02/10 - rec'd 01/03/10 - not instructed	0d		25-Feb-10	
A3950	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		30-Apr-10	
A4160	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		20-May-10	
Russell Road Retaining Walls (W2) - W4		586d	15-Apr-08 A	30-Oct-09	
Rev 1 - BSC construction - W1&W2		307d	19-Aug-08	30-Oct-09	
A4650	Rev 1 - W3 &W4 structure - NOT SEPERATED IN REV 1	438d	19-Aug-08	30-Oct-09	
Design		67d	15-Apr-08 A	18-Jul-08	
SDS "for Construction" Design		67d	15-Apr-08 A	18-Jul-08	
A1020	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		15-Apr-08	30-Oct-09
A1150	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	18-Jul-08*		30-Oct-09



Rev 1
v31
SDS IFC

Edinburgh Trams

Section 5A - Russell Road bridge to Balgreen Road Inclusive

Design Evolution from BDDI (v26) to IFC

CAF TRANSDEV Developing mobility

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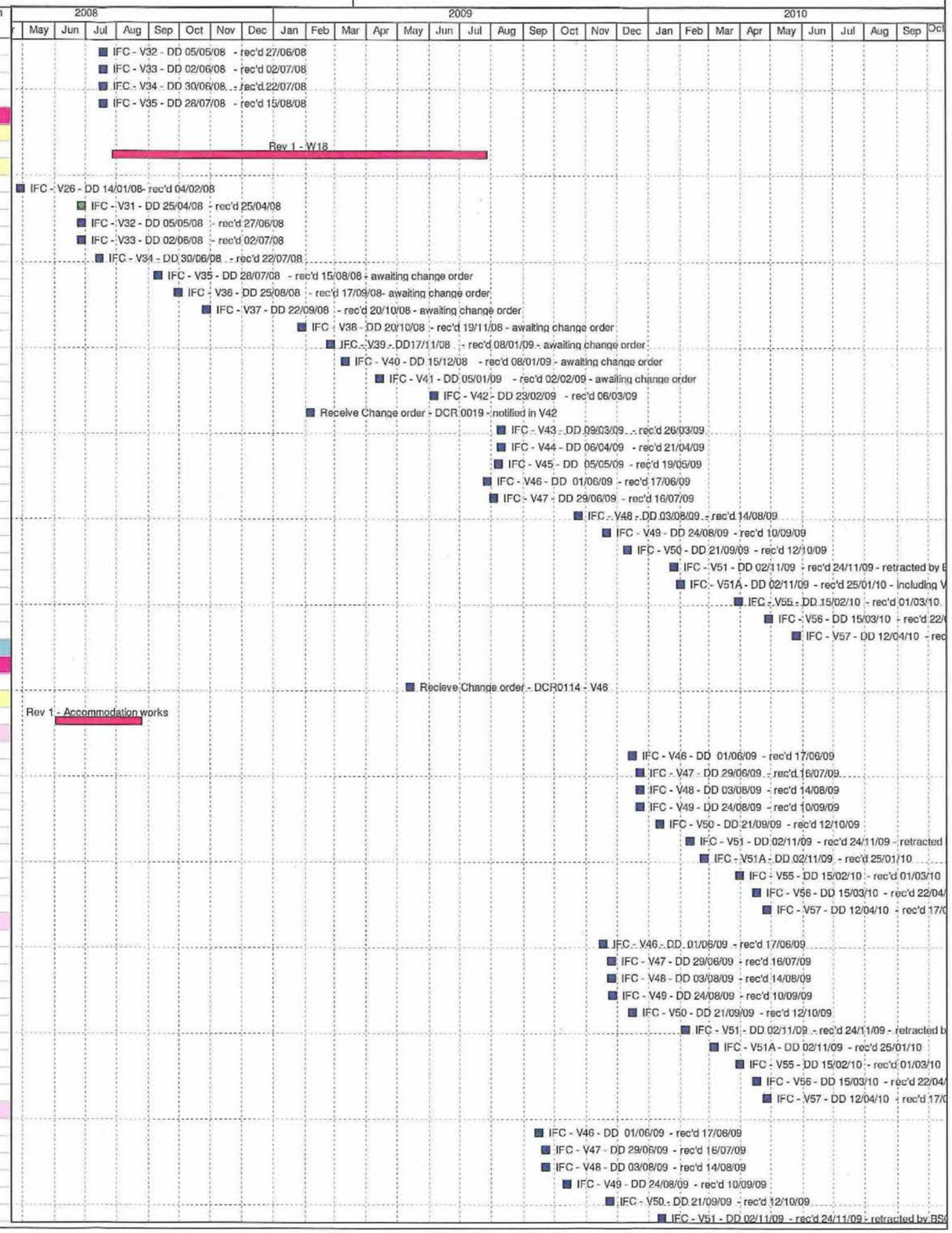
Bilfinger Berger

SIEMENS

Section 5A - BDDI - IFC Design Russell Road Bridge - Balgreen Rd - DO NOT SCHEDULE - inc Rev

Tram - 5A structures - Tony Rush exercis

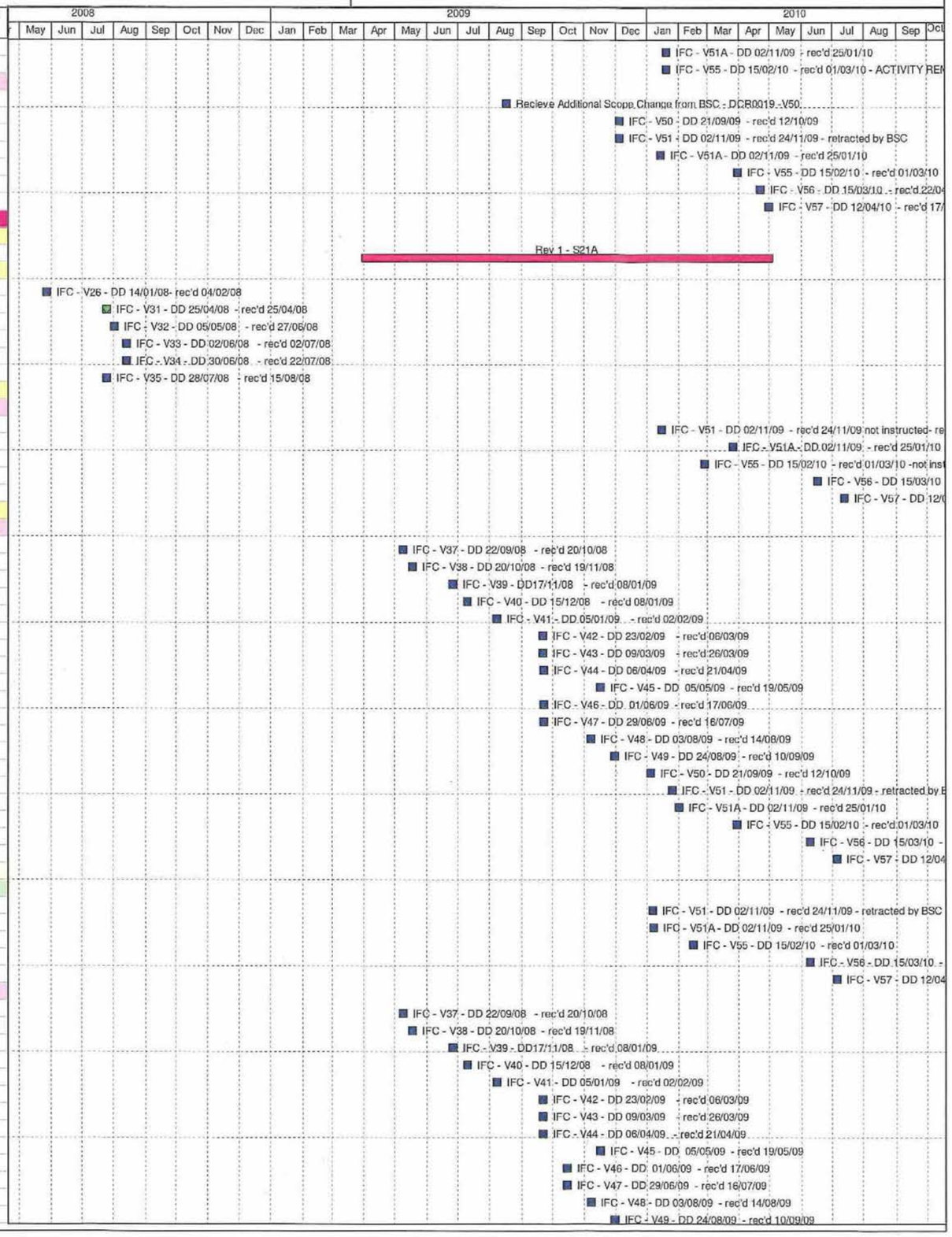
Activity ID	Activity Name	Original Duration	Start	Finish	Rev 1 Construction Finish
A1270	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		18-Jul-08	30-Oct-09
A1390	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		18-Jul-08	30-Oct-09
A1510	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		18-Jul-08	30-Oct-09
A1630	IFC - V35 - DD 28/07/08 - rec'd 15/08/08	0d		18-Jul-08 A	30-Oct-09
W18 Murrayfield TS Retaining Wall		533d	28-Apr-08 A	25-May-10	
Rev 1 - BSC construction - W18		254d	28-Jul-08	27-Jul-09	
A4550	Rev 1 - W18	365d	28-Jul-08	27-Jul-09	
SDS "for Construction" Design		533d	28-Apr-08 A	25-May-10	
A1050	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		28-Apr-08	27-Jul-09
A1160	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	27-Jun-08*		27-Jul-09
A1280	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		27-Jun-08	27-Jul-09
A1400	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		27-Jun-08	27-Jul-09
A1520	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		14-Jul-08	27-Jul-09
A1640	IFC - V35 - DD 28/07/08 - rec'd 15/08/08 - awaiting change order	0d		10-Sep-08	27-Jul-09
A1760	IFC - V36 - DD 25/08/08 - rec'd 17/09/08- awaiting change order	0d		29-Sep-08	27-Jul-09
A1820	IFC - V37 - DD 22/09/08 - rec'd 20/10/08 - awaiting change order	0d		27-Oct-08	27-Jul-09
A1910	IFC - V38 - DD 20/10/08 - rec'd 19/11/08 - awaiting change order	0d		28-Jan-09	27-Jul-09
A1980	IFC - V39 - DD17/11/08 - rec'd 08/01/09 - awaiting change order	0d		25-Feb-09	27-Jul-09
A2050	IFC - V40 - DD 15/12/08 - rec'd 08/01/09 - awaiting change order	0d		11-Mar-09	27-Jul-09
A2120	IFC - V41 - DD 05/01/09 - rec'd 02/02/09 - awaiting change order	0d		13-Apr-09	27-Jul-09
A2200	IFC - V42 - DD 23/02/09 - rec'd 06/03/09	0d		05-Jun-09	27-Jul-09
A2201	Receive Change order - DCR 0019 - notified in V42	0d		06-Feb-09 A	27-Jul-09
A2270	IFC - V43 - DD 09/03/09 - rec'd 26/03/09	0d		10-Aug-09	27-Jul-09
A2340	IFC - V44 - DD 06/04/09 - rec'd 21/04/09	0d		10-Aug-09	27-Jul-09
A2410	IFC - V45 - DD 05/05/09 - rec'd 19/05/09	0d		07-Aug-09	27-Jul-09
A2490	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		27-Jul-09	27-Jul-09
A2610	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		03-Aug-09	27-Jul-09
A2720	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		23-Oct-09	27-Jul-09
A2830	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		20-Nov-09	27-Jul-09
A2960	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		11-Dec-09	27-Jul-09
A3110	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		25-Jan-10	27-Jul-09
A3360	IFC - V51A - DD 02/11/09 - rec'd 25/01/10 - including VE design for I	0d		01-Feb-10	27-Jul-09
A3620	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		29-Mar-10	27-Jul-09
A3840	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		28-Apr-10	27-Jul-09
A4060	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		25-May-10	27-Jul-09
Murrayfield Stadium (exc.) to Balgreen Road (inc.)		612d	08-May-08 A	22-Sep-10	
Murrayfield Accommodation works		493d	02-Jun-08 A	30-Apr-10	
A2550	Recieve Change order - DCR0114 - V46	0d		14-May-09 A	
SDS "for Construction" Design		493d	02-Jun-08 A	30-Apr-10	
A4580	Rev 1 - Accommodation works	85d	02-Jun-08	25-Aug-08	
Roads		94d	15-Dec-09	26-Apr-10	
A2570	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		15-Dec-09	25-Aug-08
A2680	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		23-Dec-09	25-Aug-08
A2740	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		23-Dec-09	25-Aug-08
A2850	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		23-Dec-09	25-Aug-08
A2980	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		11-Jan-10	25-Aug-08
A3130	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		10-Feb-10	25-Aug-08
A3380	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		24-Feb-10	25-Aug-08
A3650	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		30-Mar-10	25-Aug-08
A3930	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		16-Apr-10	25-Aug-08
A4080	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		26-Apr-10	25-Aug-08
Architecture		114d	17-Nov-09	26-Apr-10	
A2560	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		17-Nov-09	25-Aug-08
A2670	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		25-Nov-09	25-Aug-08
A2730	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		25-Nov-09	25-Aug-08
A2840	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		26-Nov-09	25-Aug-08
A2970	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		15-Dec-09	25-Aug-08
A3120	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		05-Feb-10	25-Aug-08
A3370	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		05-Mar-10	25-Aug-08
A3375	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		30-Mar-10	25-Aug-08
A3940	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		16-Apr-10	25-Aug-08
A4070	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		26-Apr-10	25-Aug-08
Utilities		139d	15-Sep-09 A	20-Jan-10	
A2580	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		15-Sep-09	25-Aug-08
A2690	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		22-Sep-09	25-Aug-08
A2750	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		22-Sep-09	25-Aug-08
A2860	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		12-Oct-09	25-Aug-08
A2990	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		23-Nov-09	25-Aug-08
A3140	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		13-Jan-10	25-Aug-08



Section 5A - BDDI - IFC Design Russell Road Bridge - Balgreen Rd - DO NOT SCHEDULE - inc Rev

Tram - 5A structures - Tony Rush exercis

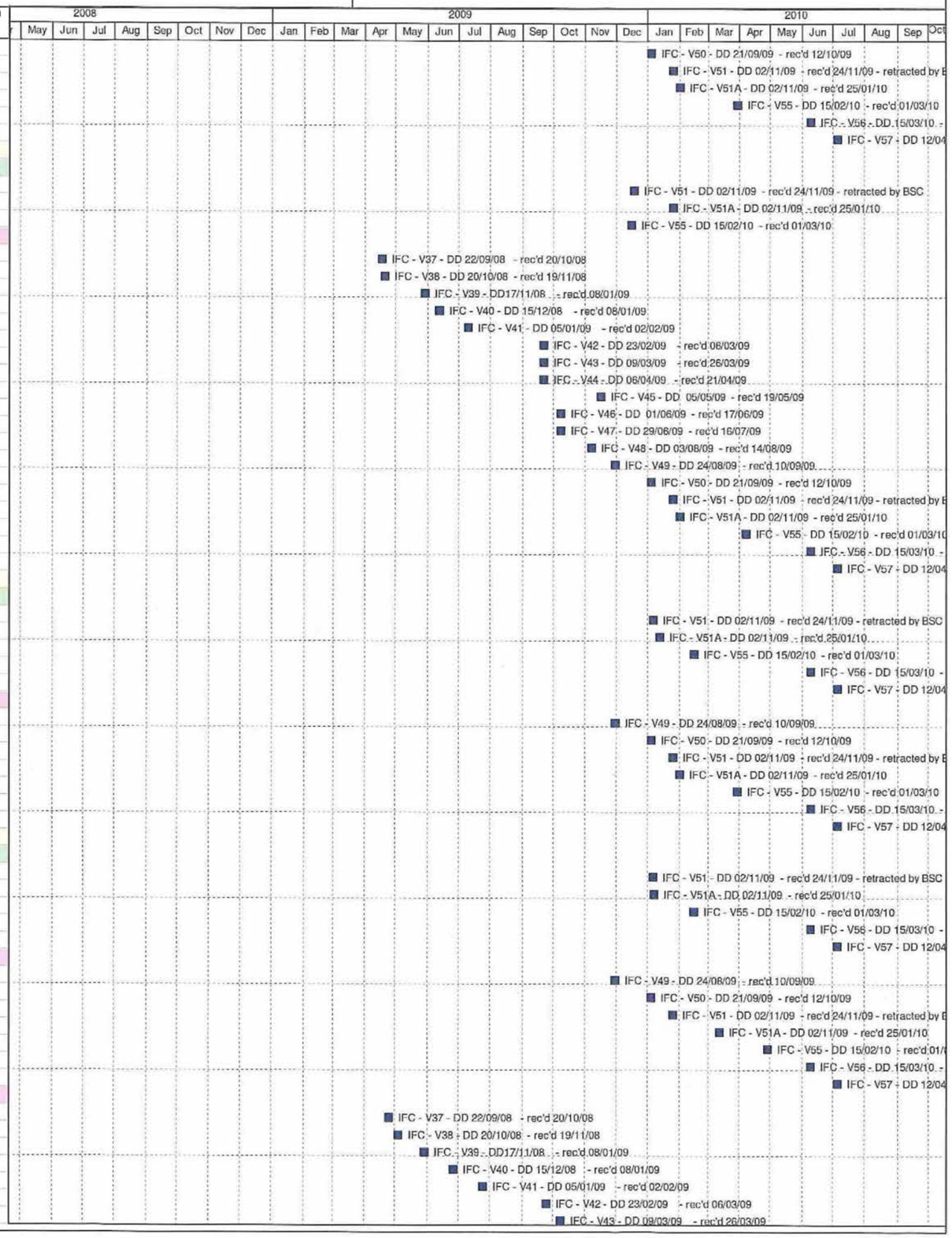
Activity ID	Activity Name	Original Duration	Start	Finish	Rev 1 Construction Finish
A3390	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		20-Jan-10	25-Aug-08
A3630	IFC - V55 - DD 15/02/10 - rec'd 01/03/10 - ACTIVITY REMOVED IN	0d		20-Jan-10 A	25-Aug-08
Additional Scope		105d	17-Aug-09 A	30-Apr-10	
A3000	Recieve Additional Scope Change from BSC - DCR0019 - V50	0d		17-Aug-09 A	25-Aug-08
A3010	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		04-Dec-09	25-Aug-08
A3150	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		04-Dec-09	25-Aug-08
A3400	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		14-Jan-10	25-Aug-08
A3640	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		30-Mar-10	25-Aug-08
A3920	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		22-Apr-10	25-Aug-08
A4090	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		30-Apr-10	25-Aug-08
Roseburn Street Viaduct (S21A) - original design		599d	27-May-08 A	22-Sep-10	
Rev 1 - BSC construction - S21A		287d	30-Mar-09	04-May-10	
A4560	Rev 1 - S21A	401d	30-Mar-09	04-May-10	
SDS "for Construction" Design		76d	27-May-08 A	13-Aug-08	
A1060	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		27-May-08	04-May-10
A1170	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	25-Jul-08*		04-May-10
A1290	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		01-Aug-08	04-May-10
A1410	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		13-Aug-08	04-May-10
A1530	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		13-Aug-08	04-May-10
A1650	IFC - V35 - DD 28/07/08 - rec'd 15/08/08	0d		25-Jul-08 A	04-May-10
Siemens Integrated Design Activities		126d	15-Jan-10	12-Jul-10	
Earthing & Bonding		126d	15-Jan-10	12-Jul-10	
A4158	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 not instructed- retracted by	0d		15-Jan-10	
A4161	IFC - V51A - DD 02/11/09 - rec'd 25/01/10 -not instructed	0d		26-Mar-10	
A4165	IFC - V55 - DD 15/02/10 - rec'd 01/03/10 -not instructed	0d		26-Feb-10	
A4170	IFC - V56 - DD 15/03/10 - rec'd 22/04/10 -not instructed	0d		16-Jun-10	
A4180	IFC - V57 - DD 12/04/10 - rec'd 17/05/10 -not instructed	0d		12-Jul-10	
Roseburn Street Viaduct (S21A) - VE design		378d	10-Apr-09 A	22-Sep-10	
R C Portal Bridge - S502		301d	08-May-09	05-Jul-10	
A1830	IFC - V37 - DD 22/09/08 - rec'd 20/10/08	0d		08-May-09	
A1920	IFC - V38 - DD 20/10/08 - rec'd 19/11/08	0d		18-May-09	
A1990	IFC - V39 - DD17/11/08 - rec'd 08/01/09	0d		26-Jun-09	
A2060	IFC - V40 - DD 15/12/08 - rec'd 08/01/09	0d		10-Jul-09	
A2130	IFC - V41 - DD 05/01/09 - rec'd 02/02/09	0d		07-Aug-09	
A2210	IFC - V42 - DD 23/02/09 - rec'd 06/03/09	0d		21-Sep-09	
A2280	IFC - V43 - DD 09/03/09 - rec'd 26/03/09	0d		21-Sep-09	
A2350	IFC - V44 - DD 06/04/09 - rec'd 21/04/09	0d		22-Sep-09	
A2420	IFC - V45 - DD 05/05/09 - rec'd 19/05/09	0d		16-Nov-09	
A2500	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		22-Sep-09	
A2620	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		22-Sep-09	
A2760	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		06-Nov-09	
A2870	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		30-Nov-09	
A3020	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		04-Jan-10	
A3160	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		25-Jan-10	
A3410	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		01-Feb-10	
A3660	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		29-Mar-10	
A3850	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		09-Jun-10	
A4100	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		05-Jul-10	
Siemens Integrated Design Activities		128d	06-Jan-10	05-Jul-10	
Direct Fix Trackform - DCR0125		128d	06-Jan-10	05-Jul-10	
A3260	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		06-Jan-10	
A3490	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		07-Jan-10	
A3730	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		15-Feb-10	
A3970	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		09-Jun-10	
A4200	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		05-Jul-10	
Steel Composite Bridge - S504		301d	08-May-09 A	05-Jul-10	
A1840	IFC - V37 - DD 22/09/08 - rec'd 20/10/08	0d		08-May-09	
A1930	IFC - V38 - DD 20/10/08 - rec'd 19/11/08	0d		18-May-09	
A2000	IFC - V39 - DD17/11/08 - rec'd 08/01/09	0d		26-Jun-09	
A2070	IFC - V40 - DD 15/12/08 - rec'd 08/01/09	0d		10-Jul-09	
A2140	IFC - V41 - DD 05/01/09 - rec'd 02/02/09	0d		07-Aug-09	
A2220	IFC - V42 - DD 23/02/09 - rec'd 06/03/09	0d		21-Sep-09	
A2290	IFC - V43 - DD 09/03/09 - rec'd 26/03/09	0d		21-Sep-09	
A2360	IFC - V44 - DD 06/04/09 - rec'd 21/04/09	0d		21-Sep-09	
A2430	IFC - V45 - DD 05/05/09 - rec'd 19/05/09	0d		16-Nov-09	
A2510	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		14-Oct-09	
A2630	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		14-Oct-09	
A2770	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		06-Nov-09	
A2880	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		30-Nov-09	



Section 5A - BDDI - IFC Design Russell Road Bridge - Balgreen Rd - DO NOT SCHEDULE - inc Rev

Tram - 5A structures - Tony Rush exercis

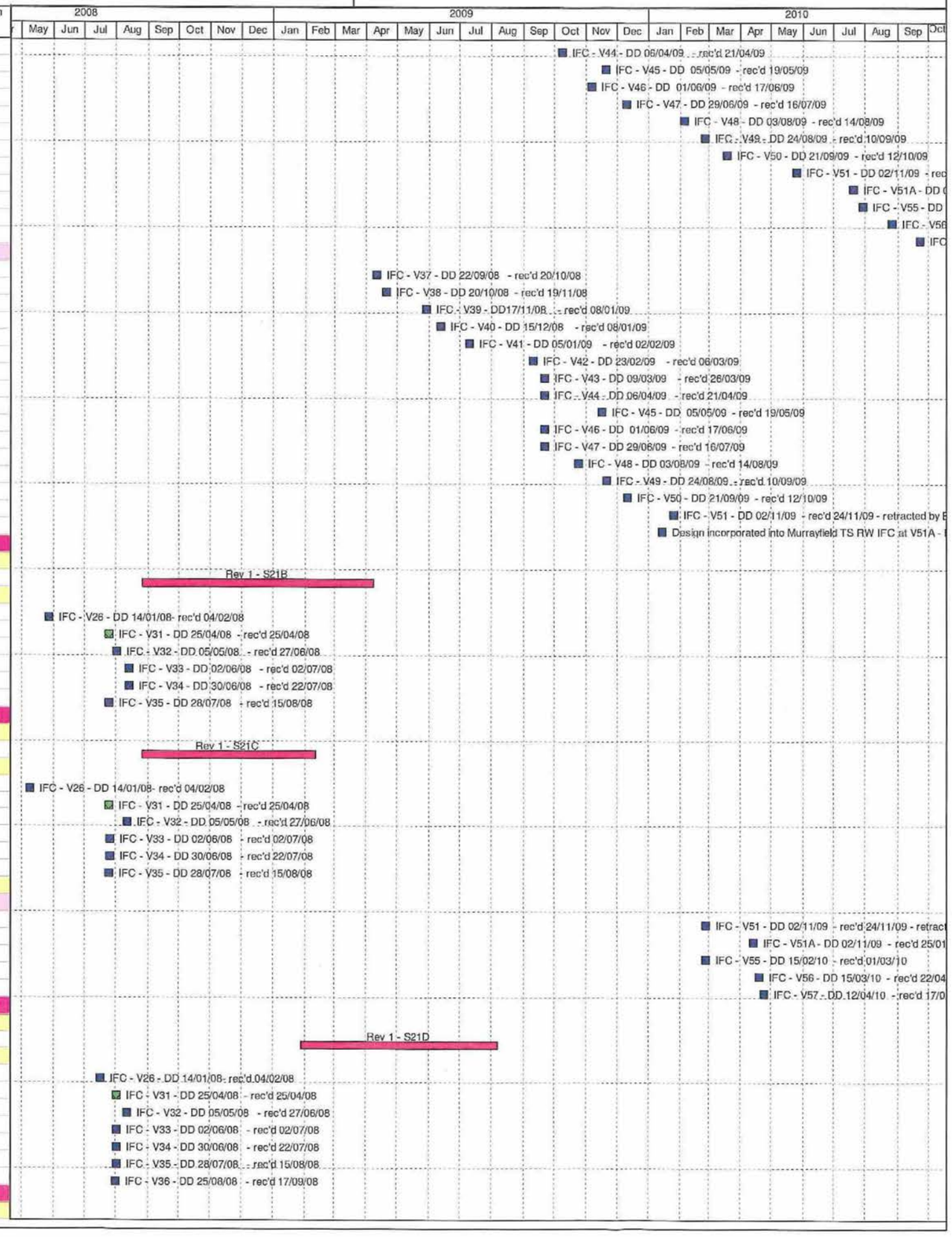
Activity ID	Activity Name	Original Duration	Start	Finish	Rev 1 Construction Finish
A3030	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		04-Jan-10	
A3170	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		25-Jan-10	
A3420	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		01-Feb-10	
A3670	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		29-Mar-10	
A3860	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		09-Jun-10	
A4110	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		05-Jul-10	
Siemens Integrated Design Activities		41d	16-Dec-09 A	25-Jan-10	
Direct Fix Trackform - DCR0125		41d	16-Dec-09 A	25-Jan-10	
A3270	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		18-Dec-09	
A3500	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		25-Jan-10	
A3750	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		16-Dec-09 A	
New Reinforced Earth Structures S501		316d	17-Apr-09	05-Jul-10	
A1850	IFC - V37 - DD 22/09/08 - rec'd 20/10/08	0d		17-Apr-09	
A1940	IFC - V38 - DD 20/10/08 - rec'd 19/11/08	0d		20-Apr-09	
A2010	IFC - V39 - DD17/11/08 - rec'd 08/01/09	0d		29-May-09	
A2080	IFC - V40 - DD 15/12/08 - rec'd 08/01/09	0d		12-Jun-09	
A2150	IFC - V41 - DD 05/01/09 - rec'd 02/02/09	0d		10-Jul-09	
A2230	IFC - V42 - DD 23/02/09 - rec'd 06/03/09	0d		21-Sep-09	
A2300	IFC - V43 - DD 09/03/09 - rec'd 26/03/09	0d		21-Sep-09	
A2370	IFC - V44 - DD 06/04/09 - rec'd 21/04/09	0d		21-Sep-09	
A2440	IFC - V45 - DD 05/05/09 - rec'd 19/05/09	0d		16-Nov-09	
A2520	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		08-Oct-09	
A2640	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		08-Oct-09	
A2780	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		06-Nov-09	
A2890	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		30-Nov-09	
A3040	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		04-Jan-10	
A3180	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		25-Jan-10	
A3430	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		01-Feb-10	
A3680	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		07-Apr-10	
A3870	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		09-Jun-10	
A4120	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		05-Jul-10	
Siemens Integrated Design Activities		128d	06-Jan-10	05-Jul-10	
Direct Fix Trackform - DCR0125		128d	06-Jan-10	05-Jul-10	
A3230	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		06-Jan-10	
A3510	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		12-Jan-10	
A3720	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		15-Feb-10	
A3960	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		09-Jun-10	
A4190	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		05-Jul-10	
New Reinforced Earth Structures S503		155d	30-Nov-09	05-Jul-10	
A2900	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		30-Nov-09	
A3050	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		04-Jan-10	
A3190	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		25-Jan-10	
A3440	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		01-Feb-10	
A3690	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		29-Mar-10	
A3880	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		09-Jun-10	
A4130	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		05-Jul-10	
Siemens Integrated Design Activities		128d	06-Jan-10	05-Jul-10	
Direct Fix Trackform - DCR0125		128d	06-Jan-10	05-Jul-10	
A3240	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		06-Jan-10	
A3520	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		07-Jan-10	
A3740	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		15-Feb-10	
A3980	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		09-Jun-10	
A4210	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		05-Jul-10	
New Reinforced Earth Structures S505		155d	30-Nov-09	05-Jul-10	
A2910	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		30-Nov-09	
A3060	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		04-Jan-10	
A3200	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		25-Jan-10	
A3450	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		12-Mar-10	
A3700	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		28-Apr-10	
A3890	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		09-Jun-10	
A4140	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		05-Jul-10	
Modification to S21B Murrayfield Stadium RW		368d	24-Apr-09	22-Sep-10	
A1860	IFC - V37 - DD 22/09/08 - rec'd 20/10/08	0d		24-Apr-09	
A1950	IFC - V38 - DD 20/10/08 - rec'd 19/11/08	0d		04-May-09	
A2020	IFC - V39 - DD17/11/08 - rec'd 08/01/09	0d		29-May-09	
A2090	IFC - V40 - DD 15/12/08 - rec'd 08/01/09	0d		26-Jun-09	
A2160	IFC - V41 - DD 05/01/09 - rec'd 02/02/09	0d		24-Jul-09	
A2240	IFC - V42 - DD 23/02/09 - rec'd 06/03/09	0d		24-Sep-09	
A2310	IFC - V43 - DD 09/03/09 - rec'd 26/03/09	0d		08-Oct-09	



Section 5A - BDDI - IFC Design Russell Road Bridge - Balgreen Rd - DO NOT SCHEDULE - inc Rev

Tram - 5A structures - Tony Rush exercis

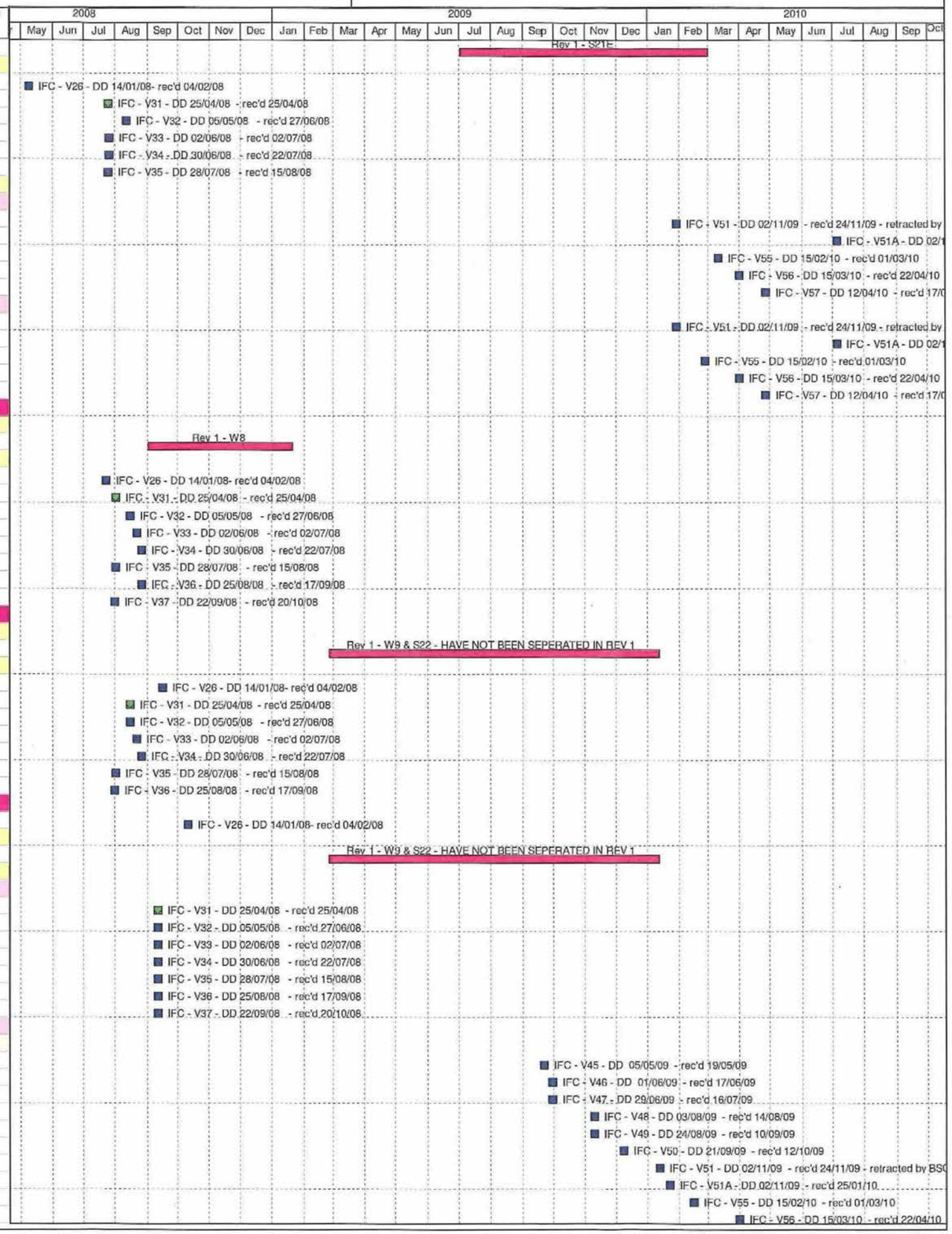
Activity ID	Activity Name	Original Duration	Start	Finish	Rev 1 Construction Finish
A2380	IFC - V44 - DD 06/04/09 - rec'd 21/04/09	0d		08-Oct-09	
A2450	IFC - V45 - DD 05/05/09 - rec'd 19/05/09	0d		19-Nov-09	
A2530	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		05-Nov-09	
A2650	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		10-Dec-09	
A2790	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		04-Feb-10	
A2920	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		25-Feb-10	
A3070	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		18-Mar-10	
A3210	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		25-May-10	
A3460	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		20-Jul-10	
A3710	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		29-Jul-10	
A3900	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		26-Aug-10	
A4150	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		22-Sep-10	
Modification to W18 Murrayfield TS RW		206d	10-Apr-09 A	25-Jan-10	
A1870	IFC - V37 - DD 22/09/08 - rec'd 20/10/08	0d		10-Apr-09	
A1960	IFC - V38 - DD 20/10/08 - rec'd 19/11/08	0d		20-Apr-09	
A2030	IFC - V39 - DD17/11/08 - rec'd 08/01/09	0d		29-May-09	
A2100	IFC - V40 - DD 15/12/08 - rec'd 08/01/09	0d		12-Jun-09	
A2170	IFC - V41 - DD 05/01/09 - rec'd 02/02/09	0d		10-Jul-09	
A2250	IFC - V42 - DD 23/02/09 - rec'd 06/03/09	0d		10-Sep-09	
A2320	IFC - V43 - DD 09/03/09 - rec'd 26/03/09	0d		21-Sep-09	
A2390	IFC - V44 - DD 06/04/09 - rec'd 21/04/09	0d		21-Sep-09	
A2460	IFC - V45 - DD 05/05/09 - rec'd 19/05/09	0d		16-Nov-09	
A2540	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		21-Sep-09	
A2660	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		21-Sep-09	
A2800	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		23-Oct-09	
A2930	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		20-Nov-09	
A3080	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		11-Dec-09	
A3220	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		25-Jan-10	
A3470	Design incorporated into Murrayfield TS RW IFC at V51A - DD 02/11/	0d		14-Jan-10 A	
Murrayfield Stadium Retaining Walls (S21B)		219d	27-May-08 A	08-Apr-09	
Rev 1 - BSC construction -S21B		155d	26-Aug-08	08-Apr-09	
A4570	Rev 1 - S21B	226d	26-Aug-08	08-Apr-09	
SDS "for Construction" Design		76d	27-May-08 A	13-Aug-08	
A1070	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		27-May-08	08-Apr-09
A1180	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	25-Jul-08*		08-Apr-09
A1300	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		01-Aug-08	08-Apr-09
A1420	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		13-Aug-08	08-Apr-09
A1540	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		13-Aug-08	08-Apr-09
A1660	IFC - V35 - DD 28/07/08 - rec'd 15/08/08	0d		25-Jul-08 A	08-Apr-09
Murrayfield Stadium Underpass (S21C)		594d	08-May-08 A	23-Apr-10	
Rev 1 - BSC construction		115d	26-Aug-08	11-Feb-09	
A4600	Rev 1 - S21C	170d	26-Aug-08	11-Feb-09	
SDS "for Construction" Design		89d	08-May-08 A	11-Aug-08	
A1080	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		08-May-08	11-Feb-09
A1190	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	25-Jul-08*		11-Feb-09
A1310	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		11-Aug-08	11-Feb-09
A1430	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		25-Jul-08	11-Feb-09
A1550	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		25-Jul-08	11-Feb-09
A1670	IFC - V35 - DD 28/07/08 - rec'd 15/08/08	0d		25-Jul-08 A	11-Feb-09
Siemens Integrated Design Activities		40d	26-Feb-10	23-Apr-10	
Earthing & Bonding		40d	26-Feb-10	23-Apr-10	
A3280	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC - not tie	0d		26-Feb-10	
A3530	IFC - V51A - DD 02/11/09 - rec'd 25/01/10- not instructed	0d		13-Apr-10	
A3760	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		26-Feb-10	
A3990	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		19-Apr-10	
A4220	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		23-Apr-10	
Murrayfield Pitches Retaining Walls (S21D)		269d	16-Jul-08 A	06-Aug-09	
Rev 1 - BSC construction - S21D		137d	28-Jan-09	06-Aug-09	
A4590	Rev 1 - S21D	191d	28-Jan-09	06-Aug-09	
SDS "for Construction" Design		53d	16-Jul-08 A	11-Aug-08	
A1090	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		16-Jul-08	06-Aug-09
A1200	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	01-Aug-08*		06-Aug-09
A1320	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		11-Aug-08	06-Aug-09
A1440	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		01-Aug-08	06-Aug-09
A1560	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		01-Aug-08	06-Aug-09
A1680	IFC - V35 - DD 28/07/08 - rec'd 15/08/08	0d		01-Aug-08	06-Aug-09
A1770	IFC - V36 - DD 25/08/08 - rec'd 17/09/08	0d		01-Aug-08 A	06-Aug-09
Water of Leith Bridge (S21E)		555d	08-May-08 A	05-Jul-10	
Rev 1 - BSC construction - S21E		173d	02-Jul-09	01-Mar-10	



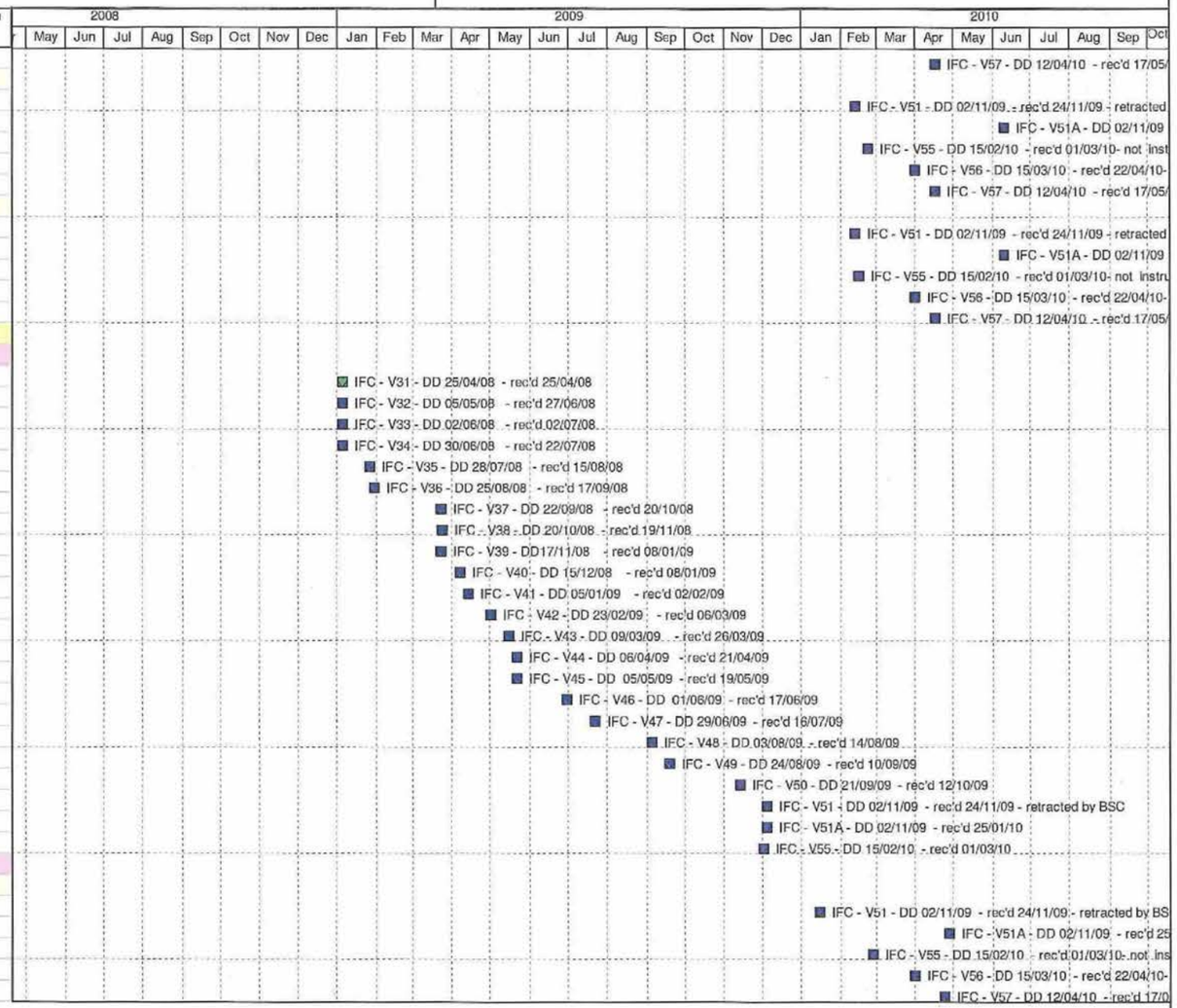
Section 5A - BDDI - IFC Design Russell Road Bridge - Balgreen Rd - DO NOT SCHEDULE - inc Rev

Tram - 5A structures - Tony Rush exercis

Activity ID	Activity Name	Original Duration	Start	Finish	Rev 1 Construction Finish
A4610	Rev 1 - S21E	243d	02-Jul-09	01-Mar-10	
SDS "for Construction" Design		67d	08-May-08 A	11-Aug-08	
A1100	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		08-May-08	01-Mar-10
A1210	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	25-Jul-08*		01-Mar-10
A1330	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		11-Aug-08	01-Mar-10
A1450	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		25-Jul-08	01-Mar-10
A1570	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		25-Jul-08	01-Mar-10
A1690	IFC - V35 - DD 28/07/08 - rec'd 15/08/08	0d		25-Jul-08 A	01-Mar-10
Siemens Integrated Design Activities		111d	29-Jan-10	05-Jul-10	
OLE Interface design		111d	29-Jan-10	05-Jul-10	
A3290	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC - not ins	0d		29-Jan-10	
A3540	IFC - V51A - DD 02/11/09 - rec'd 25/01/10- not instructed	0d		05-Jul-10	
A3770	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		11-Mar-10	
A4000	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		31-Mar-10	
A4230	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		26-Apr-10	
Earthing & Bonding		111d	29-Jan-10	05-Jul-10	
A3300	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC - not ins	0d		29-Jan-10	
A3550	IFC - V51A - DD 02/11/09 - rec'd 25/01/10- not instructed	0d		05-Jul-10	
A3780	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		26-Feb-10	
A4010	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		31-Mar-10	
A4240	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		26-Apr-10	
Bard Drive Retaining Walls (W8)		180d	23-Jul-08 A	21-Jan-09	
Rev 1 - BSC construction - W8		95d	02-Sep-08	21-Jan-09	
A4620	Rev 1 - W8	142d	02-Sep-08	21-Jan-09	
SDS "for Construction" Design		180d	23-Jul-08 A	26-Aug-08	
A1110	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		23-Jul-08	21-Jan-09
A1240	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	01-Aug-08*		21-Jan-09
A1340	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		15-Aug-08	21-Jan-09
A1460	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		21-Aug-08	21-Jan-09
A1580	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		26-Aug-08	21-Jan-09
A1700	IFC - V35 - DD 28/07/08 - rec'd 15/08/08	0d		01-Aug-08	21-Jan-09
A1780	IFC - V36 - DD 25/08/08 - rec'd 17/09/08	0d		26-Aug-08	21-Jan-09
A1880	IFC - V37 - DD 22/09/08 - rec'd 20/10/08	0d		01-Aug-08 A	21-Jan-09
Balgreen Road Retaining Walls (W9)		370d	01-Aug-08 A	12-Jan-10	
Rev 1 - BSC construction		230d	25-Feb-09	12-Jan-10	
A4630	Rev 1 - W9 & S22 - HAVE NOT BEEN SEPERATED IN REV 1	322d	25-Feb-09	12-Jan-10	
SDS "for Construction" Design		31d	01-Aug-08 A	15-Sep-08	
A1120	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		15-Sep-08	12-Jan-10
A1250	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	15-Aug-08*		12-Jan-10
A1350	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		15-Aug-08	12-Jan-10
A1470	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		21-Aug-08	12-Jan-10
A1590	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		26-Aug-08	12-Jan-10
A1710	IFC - V35 - DD 28/07/08 - rec'd 15/08/08	0d		01-Aug-08	12-Jan-10
A1790	IFC - V36 - DD 25/08/08 - rec'd 17/09/08	0d		01-Aug-08 A	12-Jan-10
Balgreen Road Bridge (S22) - original design		499d	11-Sep-08 A	10-Jun-10	
A1130	IFC - V26 - DD 14/01/08- rec'd 04/02/08	0d		10-Oct-08	
Rev 1 - BSC construction		230d	25-Feb-09	12-Jan-10	
A4640	Rev 1 - W9 & S22 - HAVE NOT BEEN SEPERATED IN REV 1	322d	25-Feb-09	12-Jan-10	
Balgreen Road Tram Bridge (S22)		449d	11-Sep-08 A	10-Jun-10	
SDS "for Construction" Design		1d	11-Sep-08 A	11-Sep-08	
A1220	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	11-Sep-08*		12-Jan-10
A1360	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		11-Sep-08	12-Jan-10
A1480	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		11-Sep-08	12-Jan-10
A1600	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		11-Sep-08	12-Jan-10
A1720	IFC - V35 - DD 28/07/08 - rec'd 15/08/08	0d		11-Sep-08	12-Jan-10
A1810	IFC - V36 - DD 25/08/08 - rec'd 17/09/08	0d		11-Sep-08	12-Jan-10
A1900	IFC - V37 - DD 22/09/08 - rec'd 20/10/08	0d		11-Sep-08 A	12-Jan-10
Siemens Integrated Design Activities		188d	21-Sep-09	10-Jun-10	
Direct Fix Trackform - DCR0125		149d	21-Sep-09	16-Apr-10	
A2470	IFC - V45 - DD 05/05/09 - rec'd 19/05/09	0d		21-Sep-09	
A2590	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		29-Sep-09	
A2700	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		29-Sep-09	
A2810	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		09-Nov-09	
A2940	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		09-Nov-09	
A3090	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		08-Dec-09	
A3340	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		12-Jan-10	
A3560	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		22-Jan-10	
A3790	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		15-Feb-10	
A4020	IFC - V56 - DD 15/03/10 - rec'd 22/04/10	0d		31-Mar-10	



Section 5A - BDDI - IFC Design Russell Road Bridge - Balgreen Rd - DO NOT SCHEDULE - inc Rev

Tram - 5A structures - Tony Rush exercis

Activity ID	Activity Name	Original Duration	Start	Finish	Rev 1 Construction Finish
A4250	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		16-Apr-10	
OLE Interface design		84d	12-Feb-10	10-Jun-10	
A3320	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC - not ins	0d		12-Feb-10	
A3570	IFC - V51A - DD 02/11/09 - rec'd 25/01/10- not instructed	0d		10-Jun-10	
A3800	IFC - V55 - DD 15/02/10 - rec'd 01/03/10- not instructed	0d		22-Feb-10	
A4030	IFC - V56 - DD 15/03/10 - rec'd 22/04/10- not instructed	0d		31-Mar-10	
A4260	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		16-Apr-10	
Earthing & Bonding		84d	12-Feb-10	10-Jun-10	
A3330	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC - not in:	0d		12-Feb-10	
A3580	IFC - V51A - DD 02/11/09 - rec'd 25/01/10- not instructed	0d		10-Jun-10	
A3810	IFC - V55 - DD 15/02/10 - rec'd 01/03/10- not instructed	0d		15-Feb-10	
A4040	IFC - V56 - DD 15/03/10 - rec'd 22/04/10- not instructed	0d		31-Mar-10	
A4270	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		16-Apr-10	
Balgreen Road NR Bridge (S22)		342d	05-Jan-09 A	27-Apr-10	
SDS "for Construction" Design		291d	05-Jan-09 A	04-Dec-09	
A1230	IFC - V31 - DD 25/04/08 - rec'd 25/04/08	0d	05-Jan-09*		12-Jan-10
A1370	IFC - V32 - DD 05/05/08 - rec'd 27/06/08	0d		05-Jan-09	12-Jan-10
A1490	IFC - V33 - DD 02/06/08 - rec'd 02/07/08	0d		05-Jan-09	12-Jan-10
A1610	IFC - V34 - DD 30/06/08 - rec'd 22/07/08	0d		05-Jan-09	12-Jan-10
A1730	IFC - V35 - DD 28/07/08 - rec'd 15/08/08	0d		26-Jan-09	12-Jan-10
A1800	IFC - V36 - DD 25/08/08 - rec'd 17/09/08	0d		30-Jan-09	12-Jan-10
A1890	IFC - V37 - DD 22/09/08 - rec'd 20/10/08	0d		23-Mar-09	12-Jan-10
A1970	IFC - V38 - DD 20/10/08 - rec'd 19/11/08	0d		24-Mar-09	12-Jan-10
A2040	IFC - V39 - DD17/11/08 - rec'd 08/01/09	0d		23-Mar-09	12-Jan-10
A2110	IFC - V40 - DD 15/12/08 - rec'd 08/01/09	0d		07-Apr-09	12-Jan-10
A2180	IFC - V41 - DD 05/01/09 - rec'd 02/02/09	0d		13-Apr-09	12-Jan-10
A2260	IFC - V42 - DD 23/02/09 - rec'd 06/03/09	0d		01-May-09	12-Jan-10
A2330	IFC - V43 - DD 09/03/09 - rec'd 26/03/09	0d		15-May-09	12-Jan-10
A2400	IFC - V44 - DD 06/04/09 - rec'd 21/04/09	0d		21-May-09	12-Jan-10
A2480	IFC - V45 - DD 05/05/09 - rec'd 19/05/09	0d		21-May-09	12-Jan-10
A2600	IFC - V46 - DD 01/06/09 - rec'd 17/06/09	0d		29-Jun-09	12-Jan-10
A2710	IFC - V47 - DD 29/06/09 - rec'd 16/07/09	0d		22-Jul-09	12-Jan-10
A2820	IFC - V48 - DD 03/08/09 - rec'd 14/08/09	0d		04-Sep-09	12-Jan-10
A2950	IFC - V49 - DD 24/08/09 - rec'd 10/09/09	0d		18-Sep-09	12-Jan-10
A3100	IFC - V50 - DD 21/09/09 - rec'd 12/10/09	0d		13-Nov-09	12-Jan-10
A3310	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC	0d		04-Dec-09	12-Jan-10
A3590	IFC - V51A - DD 02/11/09 - rec'd 25/01/10	0d		04-Dec-09	12-Jan-10
A3820	IFC - V55 - DD 15/02/10 - rec'd 01/03/10	0d		02-Dec-09 A	12-Jan-10
Siemens Integrated Design Activities		72d	15-Jan-10	27-Apr-10	
Earthing & Bonding		72d	15-Jan-10	27-Apr-10	
A3350	IFC - V51 - DD 02/11/09 - rec'd 24/11/09 - retracted by BSC - not ins	0d		15-Jan-10	
A3600	IFC - V51A - DD 02/11/09 - rec'd 25/01/10- not instructed	0d		27-Apr-10	
A3830	IFC - V55 - DD 15/02/10 - rec'd 01/03/10- not instructed	0d		26-Feb-10	
A4050	IFC - V56 - DD 15/03/10 - rec'd 22/04/10- not instructed	0d		31-Mar-10	
A4280	IFC - V57 - DD 12/04/10 - rec'd 17/05/10	0d		23-Apr-10