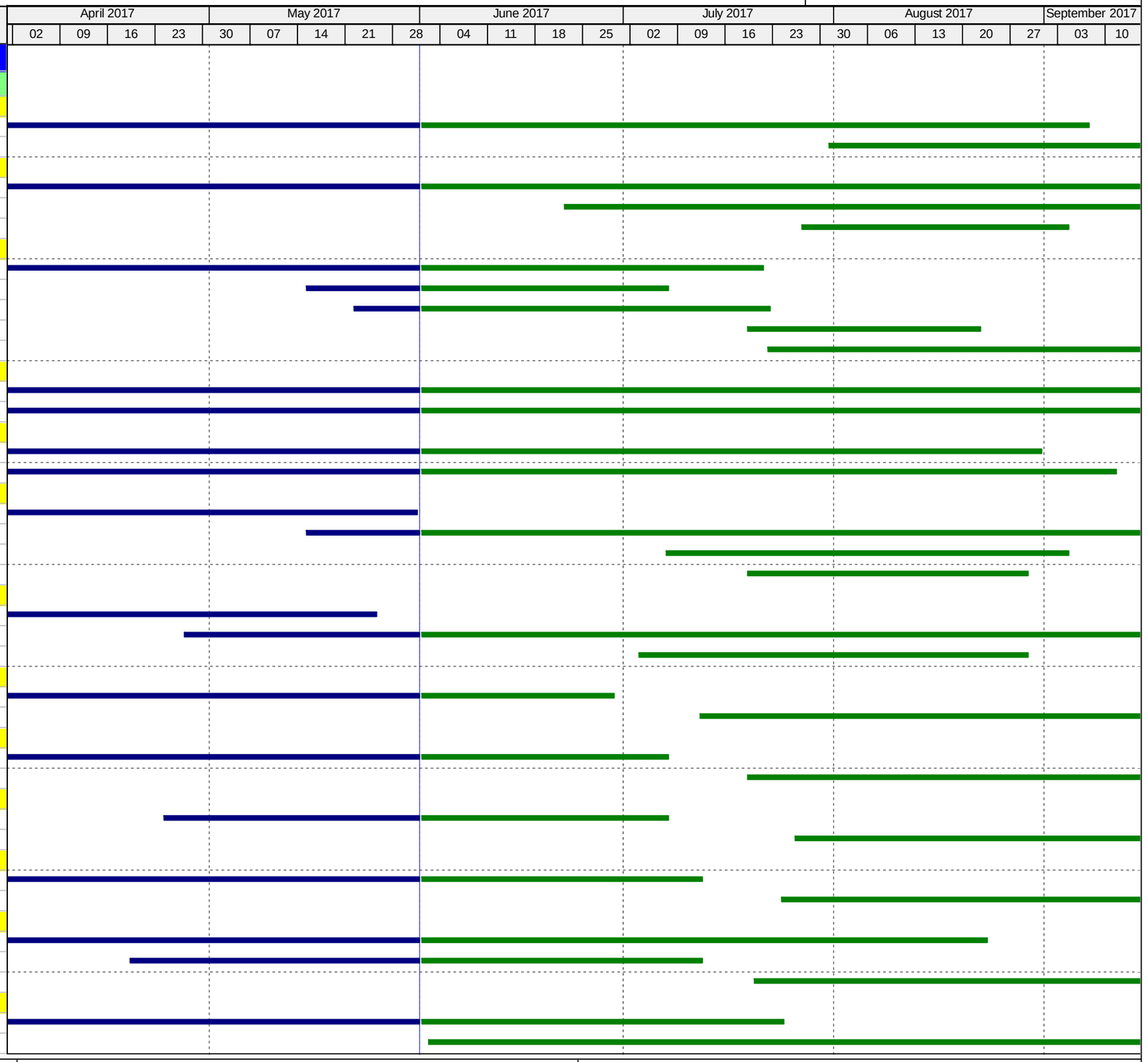
Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB5 - Target Baseline Programme - 01 Jun-17 Statused	
PROGRAMME SUMMARY	
Building 021 - Dangerous Goods Store	
RAB-21-SUM2	021 - ABWF and MEP
RAB-21-SUM3	021 - Submissions and Approvals
Building 022 - Customs Detective Dog Base Building	
RAB-22-SUM2	022 - ABWF and MEP
RAB-22-SUM3	022 - Submissions and Approvals
RAB-22-SUM13	022 - Window Wall
Building 023 - C&ED Outbond Cargo Examination Building	
RAB-23-SUM4	023 - ABWF and MEP
RAB-23-SUM3	023 - Install Lift
RAB-23-SUM5	023 - Construct Metal Canopy
RAB-23-SUM2	023 - Window Wall
RAB-23-SUM6	023 - Submissions and Approvals
Building 025 - Inbound Private Car Annexure	
RAB-25-SUM2	025 - Glazed Kiosk
RAB-25-SUM4	025 - ABWF and MEP
Building 032 - Outbound Private Car Annexure	
RAB-32-SUM2	032 - Glazed Kiosk
RAB-32-SUM4	032 - ABWF and MEP
Building 044 - E&M Maintenance Building	
RAB-44-SUM1	044 - Raft Foundation and Structure
RAB-44-SUM4	044 - ABWF and MEP
RAB-44-SUM2	044 - Install Lift
RAB-44-SUM3	044 - Install Window Wall
Building 045 - Highways Depot and Administration Building	
RAB-45-SUM1	045 - Raft Foundation and Structure
RAB-45-SUM3	045 - ABWF and MEP
RAB-45-SUM2	045 - Install Lift
Building 050 (H1) - Public Toilets Type 2	
RAB-50-SUM1	050 - Raft Foundation and Structure
RAB-50-SUM5	050 - ABWF and MEP
Building 050 (H2) - Public Toilets Type 2	
RAB-50-SUM2	050 - Raft Foundation and Structure
RAB-50-SUM6	050 - ABWF and MEP
Building 050 (A1) - Public Toilets Type 2	
RAB-50-SUM3	050 - Raft Foundation and Structure
RAB-50-SUM7	050 - ABWF and MEP
Building 050 (A2) - Public Toilets Type 2	
RAB-50-SUM4	050 - Raft Foundation and Structure
RAB-50-SUM8	050 - ABWF and MEP
Building 053 - Outbound X-Ray Building	
RAB-53-SUM3	053 - ABWF and MEP
RAB-53-SUM2	053 - Install Lift
RAB-53-SUM4	053 - Submissions and Approvals
Building 058 - Outbound X-Ray Scan Tunnel	
RAB-58-SUM3	058 - ABWF and MEP
RAB-58-SUM2	058 - Submissions and Approvals



Remaining Level of Effort | Actual Work | Critical Remaining ...
Actual Level of Effort | Remaining Work | Finish Constraint

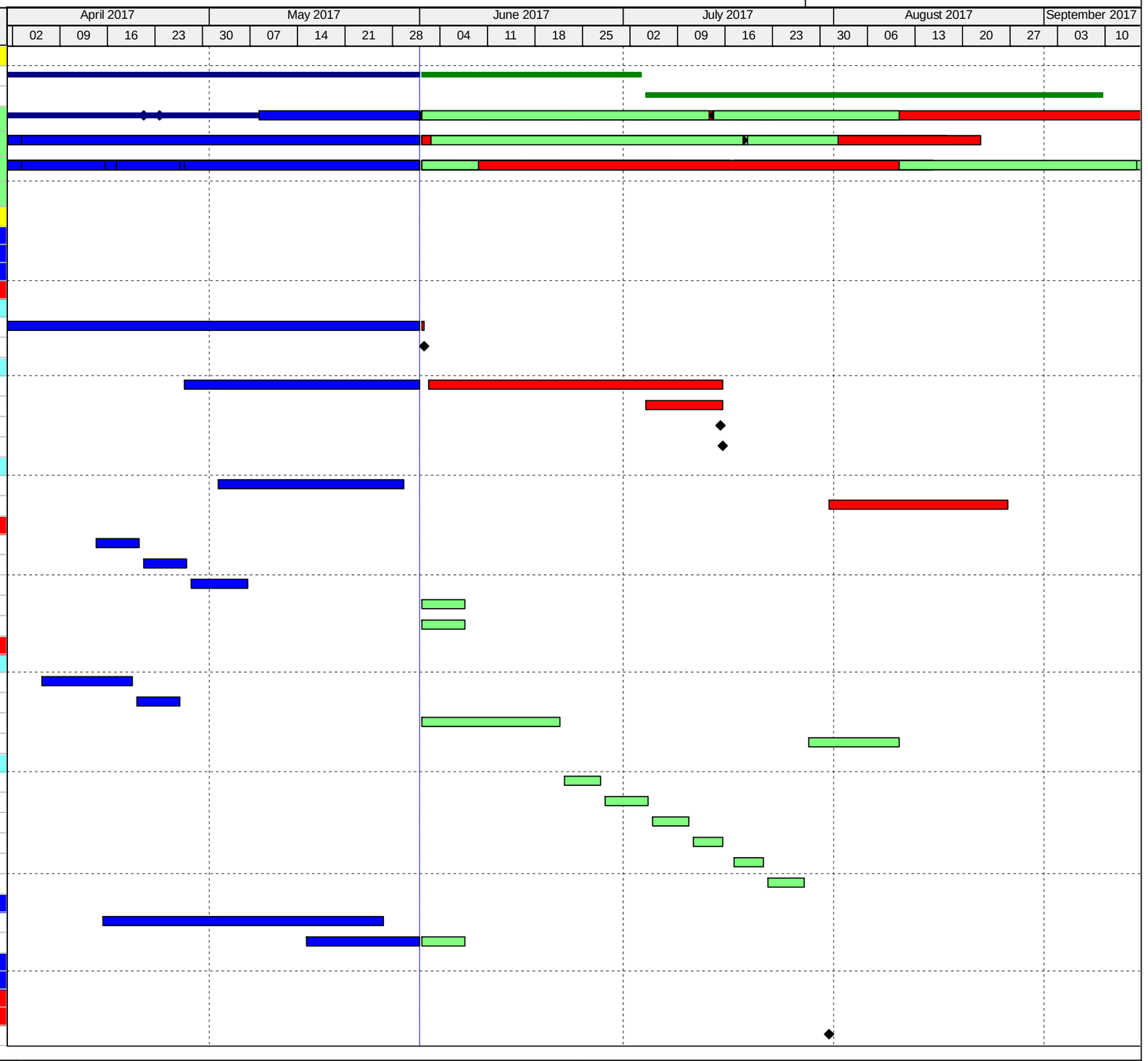
3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
Building 059 - Inbound X-Ray Scan Tunnel	
RAB-59-SUM2	059 - ABWF and MEP
RAB-59-SUM3	059 - Submissions and Approvals
GENERAL/PRELIMINARIES	
DESIGN AND ENGINEERING	
PROCUREMENT, MANUFACTURING & DELIVERIES	
CONSTRUCTION	
Building 021 - C&ED Dangerous Goods Store	
Raft	
Structure	
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-21-0210	021 - MEP 1st Fix
RAB-KD4A10	021 - Projected achievement of Stage 4A of the Works
Degree 2	
RAB-21-0290	021 - E&M 2nd Fix
RAB-21-0450	021 - Louver & Door Frame
RAB-21-0410	021 - Power On
RAB-KD4B10	KD4B - Projected achievement of Stage 4B of the Works
Degree 3	
RAB-21-0510	021 - Wall & Ceiling Finish
RAB-21-0330	021 - MEP Final Fix
Roof Finishes	
RAB-21-0200	021 - Waterproof membrane - (110m²)
RAB-21-0230	021 - Top Screed - (110m²)
RAB-21-0250	021 - Install Roof Tiles - (110m²)
RAB-21-0270	021 - Install Railing 50m
RAB-21-0280	021 - Install Cat Ladder and Roof Hatch
External Finishes	
Facade	
RAB-21-0260	021 - External Painting
RAB-21-0310	021 - Dismantle Scaffolding
RAB-21-0190	021 - Install External Louvers /Windows/Temp Doors
RAB-21-0320	021 - Snagging and Remedials (External)
At Grade	
RAB-21-380	021 - Prepare Sub Grade
RAB-21-370	021 - Laying Geo Textile
RAB-21-390	021 - Lay Granular Sub-Base
RAB-21-400	021 - Laying Course
RAB-21-360	021 - Concrete Block Paving
RAB-21-560	021 - Grouting to Concrete Pavers
Utilities and Drainage	
RAB-21-7290	021 - Construct Permanent Drainage, Manholes & Draw Pits
RAB-21-7300	021 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
Dangerous Goods Licence	
RAB-21-0300	021 - Submit License Applications



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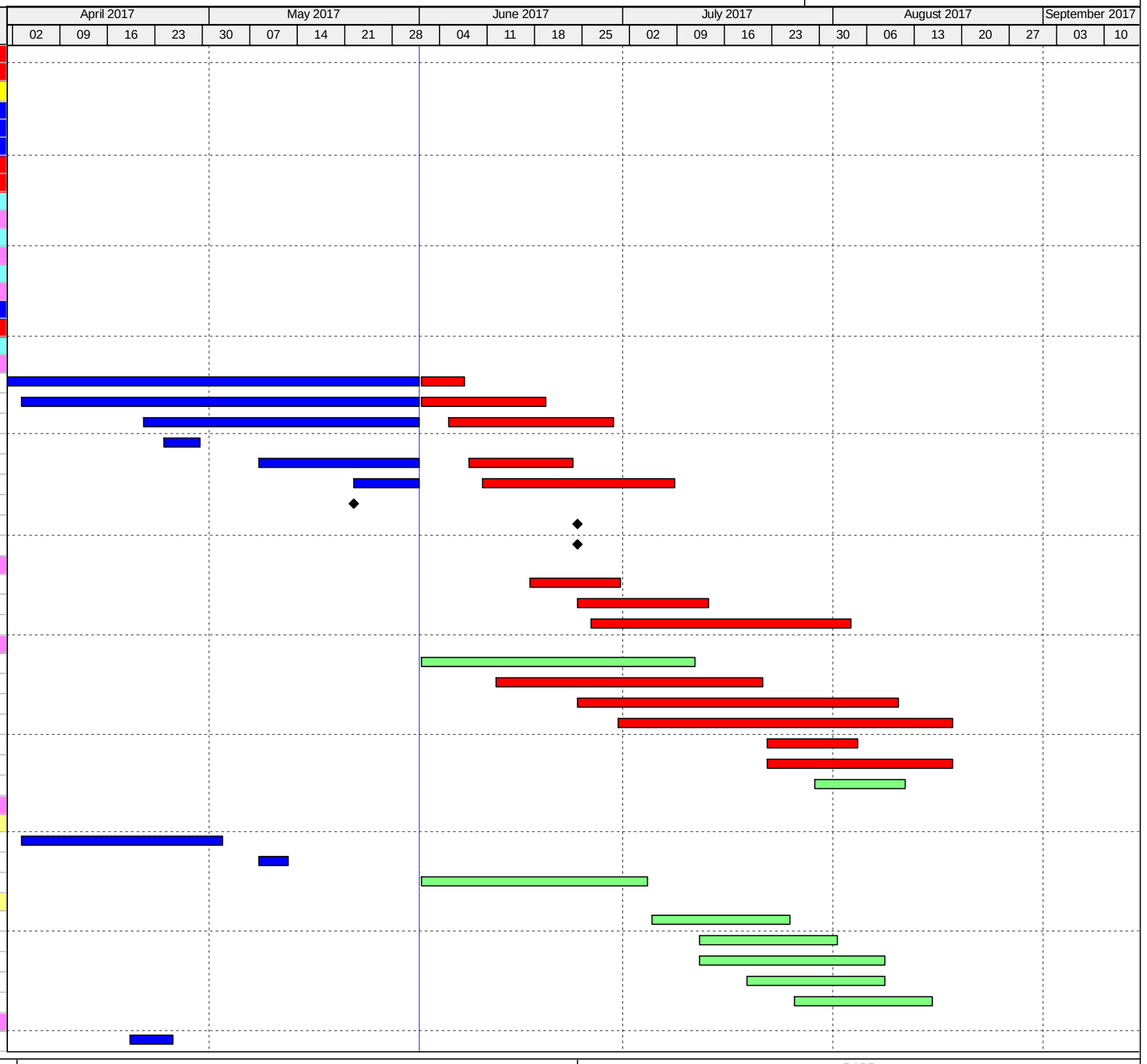
Actual Level of Effort | Remaining Work | Finish Constraint

3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Activity ID	Activity Name
	Fire Servives Department (VAC)
	Engineer (AECOM)
	Building 022 - Customs Detective Dog Base Building
	Excavation
	Raft Foundations
	Structure
	Walls & Columns
	Roof Slab
	North Structure
	Cure and Strip
	Middle Structure
	Cure and Strip
	South Structure
	Cure and Strip
	ABWF/E&M
	Internal Finishes
	North
	Degree 1
RAB-22-8205	022 - Blockwork Walls & Partition
RAB-22-8215	022 - Plastering/Rendering
RAB-22-8225	022 - MEP 1st Fix
RAB-22-8695	022 - Install Conduit for C3 & C8***
RAB-22-8665	022 - Screeding
RAB-22-8285	022 - Undercoat
RAB-22-0680	022 - Access for C3 Cable containment
RAB-22-0670	022 - Access to C3 Cabling Works***
RAB-22-0660	022 - ABWF and MEP works to Degree 1 (KD5A),
	Degree 2
RAB-22-0855	022 - Frame for Wall Panel & Cladding
RAB-22-0885	022 - Door Frame & Louvers
RAB-22-0895	022 - MEP 2nd Fix
	Degree 3
RAB-22-8535	022 - Floor Tiling + Floor Finishes (for Early Handover Rooms)
RAB-22-8395	022 - Wall Tiling
RAB-22-0865	022- Ceiling Frame
RAB-22-8255	022 - Ceiling Finish Compl.
RAB-22-8245	022 - Glazing
RAB-22-8275	022 - MEP Final Fix
RAB-22-8265	022 - Door Panel & Ironmongery
	External Finishes
	Facade
RAB-22-0410	022 - External Render
RAB-22-0620	022 - Dismantle Scaffolding
RAB-22-0470	022 - External Painting, Tiling & Cladding
	At Grade
RAB-22-2100	022 - Prepare Sub Grade
RAB-22-2110	022 - Laying Geo Textile
RAB-22-2170	022 - Landscaping for Outdoor Excise Lawn
RAB-22-2120	022 - Lay Granular Sub-Base
RAB-22-2130	022 - Laying Course
	Roof Finishes - North
RAB-22-2180	022 - Set up and Mobilisation for Roof Finishes



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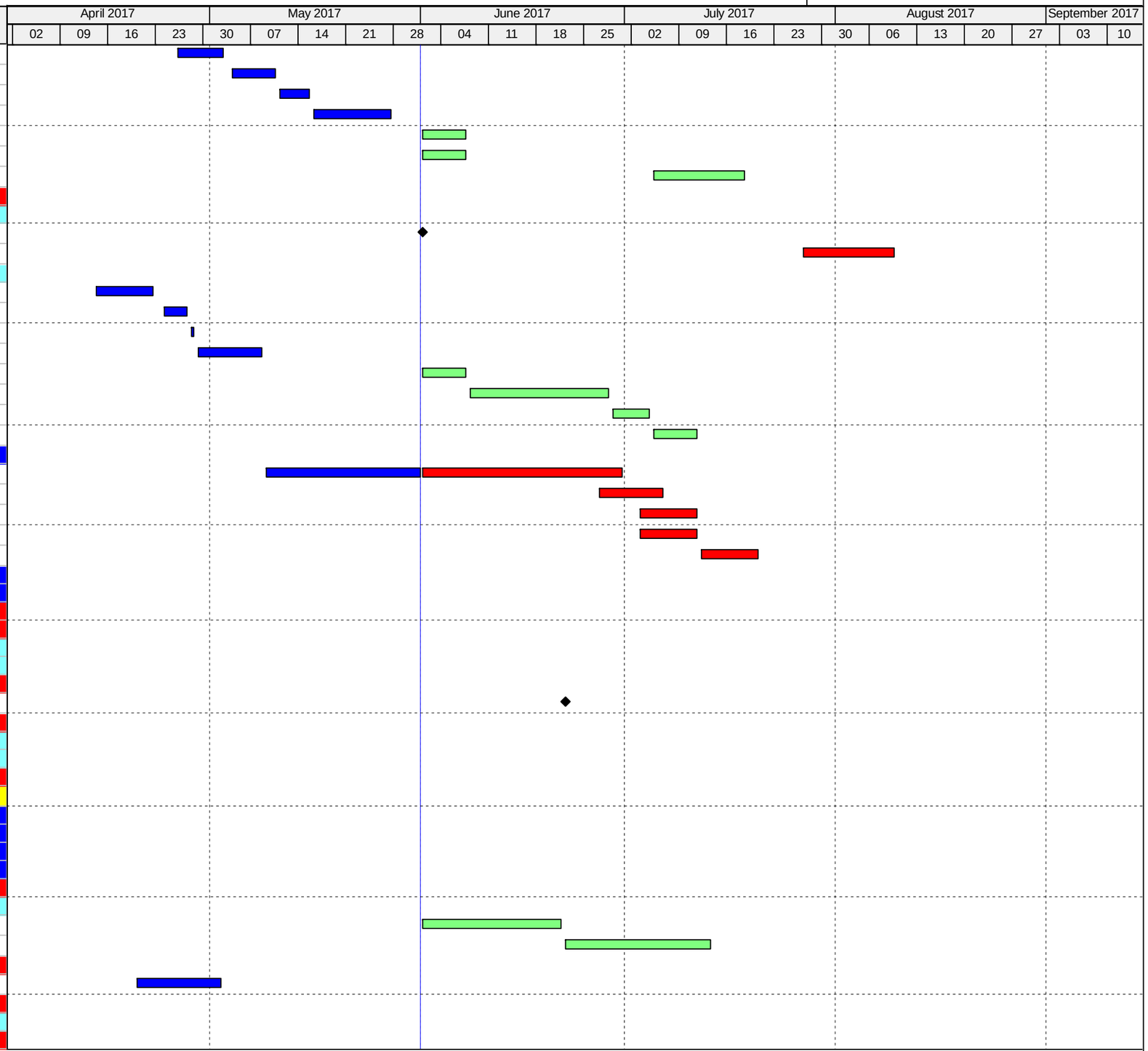
3-Month Rolling Programme Update, 01 June 2017

RAB5			
Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Activity ID	Activity Name
RAB-22-0350	022 - Leveling screed
RAB-22-0370	022 - Waterproof membrane
RAB-22-0400	022 - Top Screed
RAB-22-0460	022 - Install Roof Tiles
RAB-22-0530	022 - Install Railing
RAB-22-0540	022 - Install Cat Ladder and Roof Hatch
RAB-22-0720	022 - Make good external surfaces
Specialist Installations	
Window Wall	
RAB-22-7020	022 - Complete Formwork Stripping to Roof Level
RAB-22-7030	022 - Install Primary Steelwork for Window Wall
Dog Swimming Pool	
RAB-22-0220	022 - Construct Staircase
RAB-22-0480	022 - Waterproofing
RAB-22-0490	022 - Backfill to ground level at Dog Swimming Pool
RAB-22-0560	022 - Render/Plaster to Dog Swimming Pool
RAB-22-0600	022 - Tiling to Dog Swimming Pool
RAB-22-0640	022 - Plumbing and filtration systems
RAB-22-0630	022 - Metalworks and Railings
RAB-22-0700	022 - Snagging and Remedials - Dog Pool
Utilities and Drainage	
RAB-22-8095	022 - Construct Permanent Drainage and Manholes
RAB-22-8135	022 - Install FS Water main
RAB-22-8115	022 - Install Flushing Water Mains
RAB-22-8105	022 - Install Fresh Water Mains
RAB-22-8125	022 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
Water Supplies Department (WSD)	
Commencement	
Completion	
Fire Servives Department (VAC)	
RAB-FSD-850	022 - Submit Form 314
Fire Services Water (FS)	
Commencement	
Completion	
Engineer (AECOM)	
Building 023 - C&ED Outbound Cargo Examination Building and Examination Pl	
Excavation	
Raft Foundations - Inspection Platform	
Raft Foundations - Main Building	
Structure	
Ground Floor	
Planters	
RAB-23-6140	023 - Construct North Planter Box and Ramp
RAB-23-6230	023 - Construct South Planter Box and Ramp
Supporting Walls and Columns to +12.85mPD	
RAB-23-2180	023 - Install FS and SPR RC Water Tanks (G/F North)
First Floor	
Cure and Strip	
Supporting Walls and Columns to +17.1mPD	



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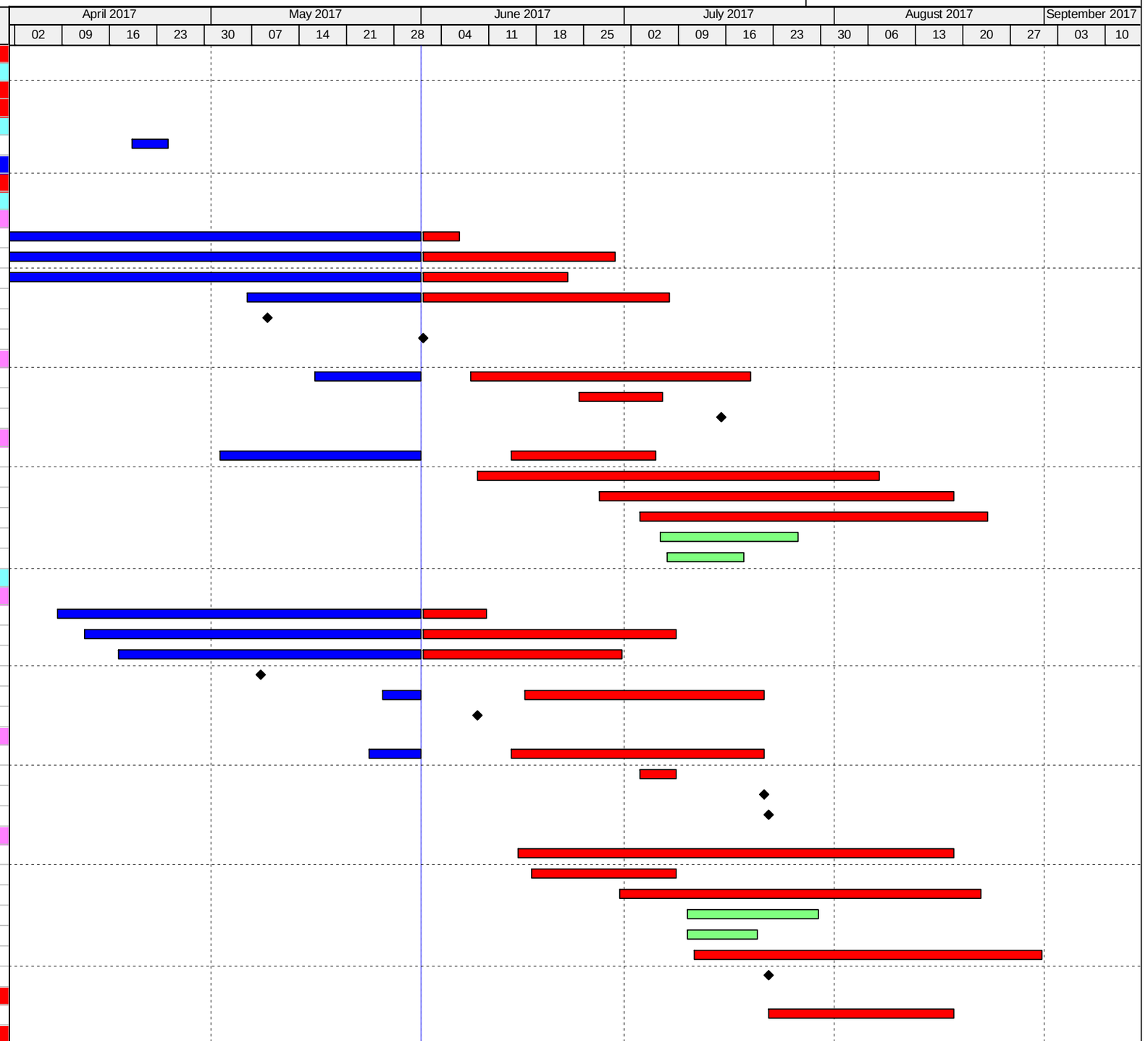
3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
Roof	
Cure and Strip	
Supporting Walls and Columns to +19.1mPD	
Lift Doghouse	
Cure and Strip	
RAB-23-6060	023 - Cure and Strip False/Formwork +19.95mPD
ABWF/E&M	
Internal Finishes	
Ground Floor	
Degree 1	
RAB-23-5420	023 - Construct Blockwork Walls to G/F
RAB-23-5430	023 - Plastering & Undercoat, G/F
RAB-23-5470	023 - MEP 1st Fix, G/F
023 -23-5430	023 - Screeding, G/F
RAB-23-5530	023 - Access to C3, C6 & C7 Cabling***, G/F
RAB-23-5540	023 - ABWF and MEP works to Degree 1 for others (KD3A) G/F
Degree 2	
RAB-23-5860	023 - MEP 2nd Fix, G/F
RAB-23-5610	023 - Frame for Wall Panel & Cladding + Louver, G/F
RAB-23-5670	023 - Access to C3, C6 & C7 For Equip. Installation***, G/F
Degree 3	
RAB-23-6320	023 - Ceiling Paint Finish, G/F
RAB-23-5930	023 - Wall Finish - Paint & Tile, G/F
RAB-23-6380	023 - MEP Final Fix, G/F
RAB-23-6220	023 - Floor Finish Other Than Carpet, G/F
RAB-23-5760	023 - Ceiling Frame, G/F
RAB-23-6080	023 - Glazing, G/F
First Floor	
Degree 1	
RAB-23-8055	023 - Construct Blockwork Walls, G/F - 1/F North (932m³), 1/F
RAB-23-8065	023 - Plastering & Undercoat, 1/F
RAB-23-8075	023 - MEP 1st Fix, 1/F
RAB-23-8245	023 - C3, C6 & C7 Wall Conduit***, 1/F
RAB-23-8215	023 - Screeding, 1/F
RAB-23-8345	023 - C3, C6 & C7 Cabling***, 1/F
Degree 2	
RAB-23-8125	023 - MEP 2nd Fix, 1/F
RAB-23-8085	023 - Frame for Wall Panel & Cladding + Louver, 1/F
RAB-23-5790	023 - ABWF and MEP works to Degree 2 for others (KD3B) 1/F
RAB-23-8235	023 - Power On
Degree 3	
RAB-23-8175	023 - Wall Finish - Paint & Tile, 1/F
RAB-23-8135	023 - Ceiling Paint Finish, 1/F
RAB-23-8165	023 - MEP Final Fix, 1/F
RAB-23-8105	023 - Ceiling Frame, 1/F
RAB-23-8145	023 - Glazing, 1/F
RAB-23-8205	023 - Floor Finish Other Than Carpet, 1/F
RAB-23-8265	023 - ABWF and MEP works to Degree 3 (KD3C) 1/F
Roof Level Dog House	
RAB-23-6150	023 - ABWF and MEP works to Degree 1 R/F
External Finishes	



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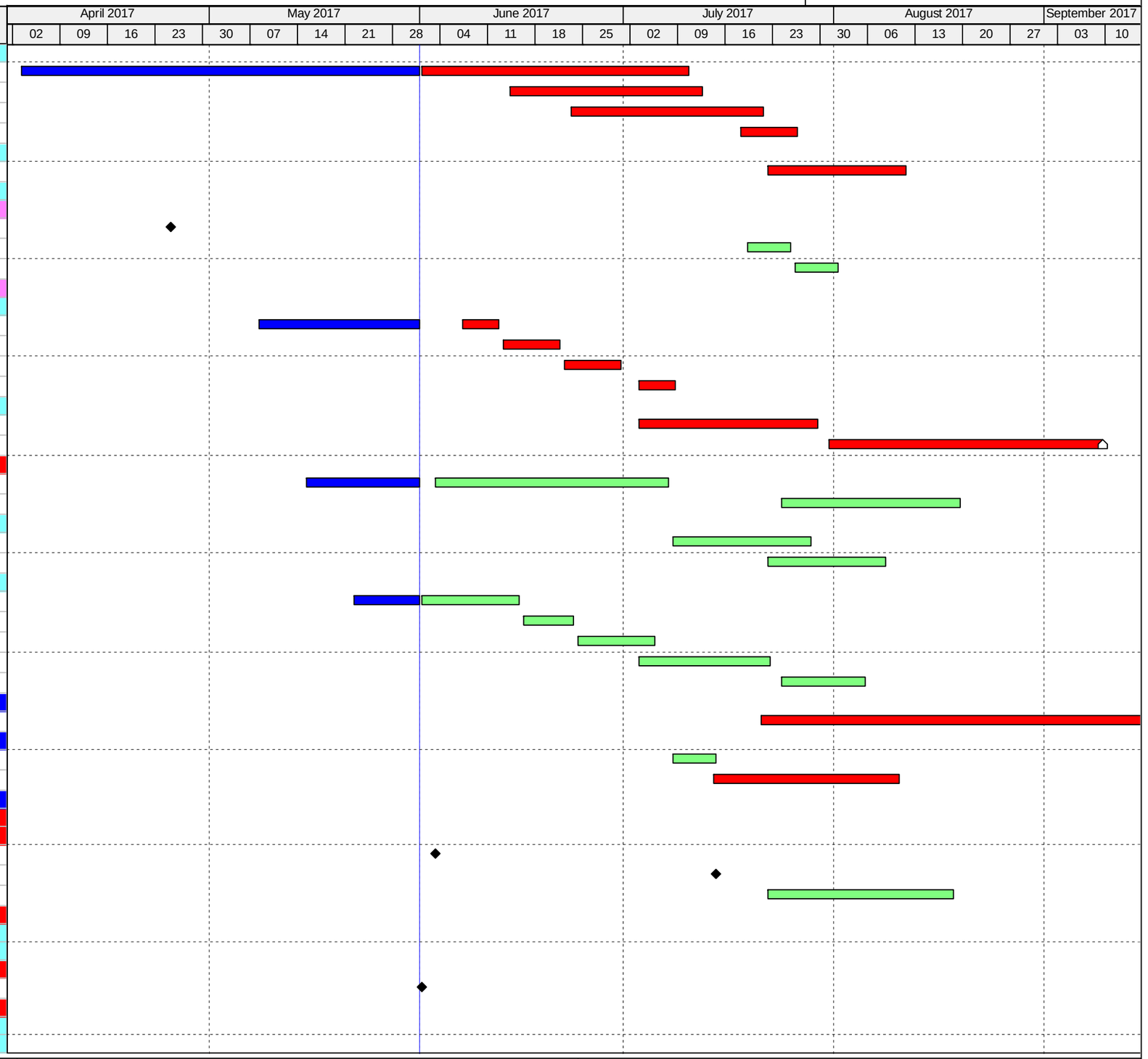
3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
	Facade
RAB-23-5560	023 - External Render
RAB-23-5590	023 - External Tiling
RAB-23-5650	023 - External Painting
RAB-23-5990	023 - Dismantle Scaffolding
	At Grade
RAB-23-5740	023 - Prepare Sub Grade
	Window Wall
	East
RAB-23-6800	023 - Complete Formwork Stripping to Roof Level - E
RAB-23-6810	023 - Install Primary Steelwork for Window Wall - E
RAB-23-6820	023 - Install Secondary Steelwork for Window Wall - E
	West
	Roof Finishes
RAB-23-5500	023 - Leveling screed
RAB-23-5550	023 - Waterproof membrane
RAB-23-5620	023 - Top Screed
RAB-23-5920	023 - Install Railing
	Green Roof
RAB-23-5720	023 - Install green Roof Irrigation Systems
RAB-23-5900	023 - Complete Green Roofing Works
	Specialist Installations
RAB-23-6270	023 - Install Lift (1 nos)
RAB-23-7310	023 - Install Glazed Entrace Canopy
	PV Installation
RAB-23-6350	023 - Install Supporting Frame and PV panel
RAB-23-6360	023 - Cable containment and grid cable wiring
	Steel Canopy
RAB-23-6170	023 - Install Steel Support Columns
RAB-23-6200	023 - Install Primary Steelwork
RAB-23-6240	023 - Install Secondary Steelwork
RAB-23-6290	023 - Install Metal Cladding Panels
RAB-23-6310	023 - Install Misc Metalworks
	Utilities and Drainage
RAB-23-7975	023 - Construct Permanent Drainage, Manholes & Draw Pits
	Testing & Commissioning
RAB-TC23-1010	023 - T&C (Lift)
RAB-TC23-1000	023 - T&C (HVAC, FS, P&D, OTHERS)
	Statutory Submissions & Approvals (Day 610 Completion)
	BBEO
	EMSD - Building 023 Lift Inspection
RAB-FSD-170	023 - Submit EMSD Form 3 (Commencement of Lift Installation)
RAB-FSD-180	023 - Submit EMSD Form 5 (Completion of Lift Installation)
RAB-FSD-190	023 - EMSD Lift Inspection
	Water Supplies Department (WSD)
	Commencement
	Completion
	Fire Servives Department (VAC)
RAB-FSD-890	023 - Submit Form 314
	Fire Services Department (FSD)
	Commencement
	Completion



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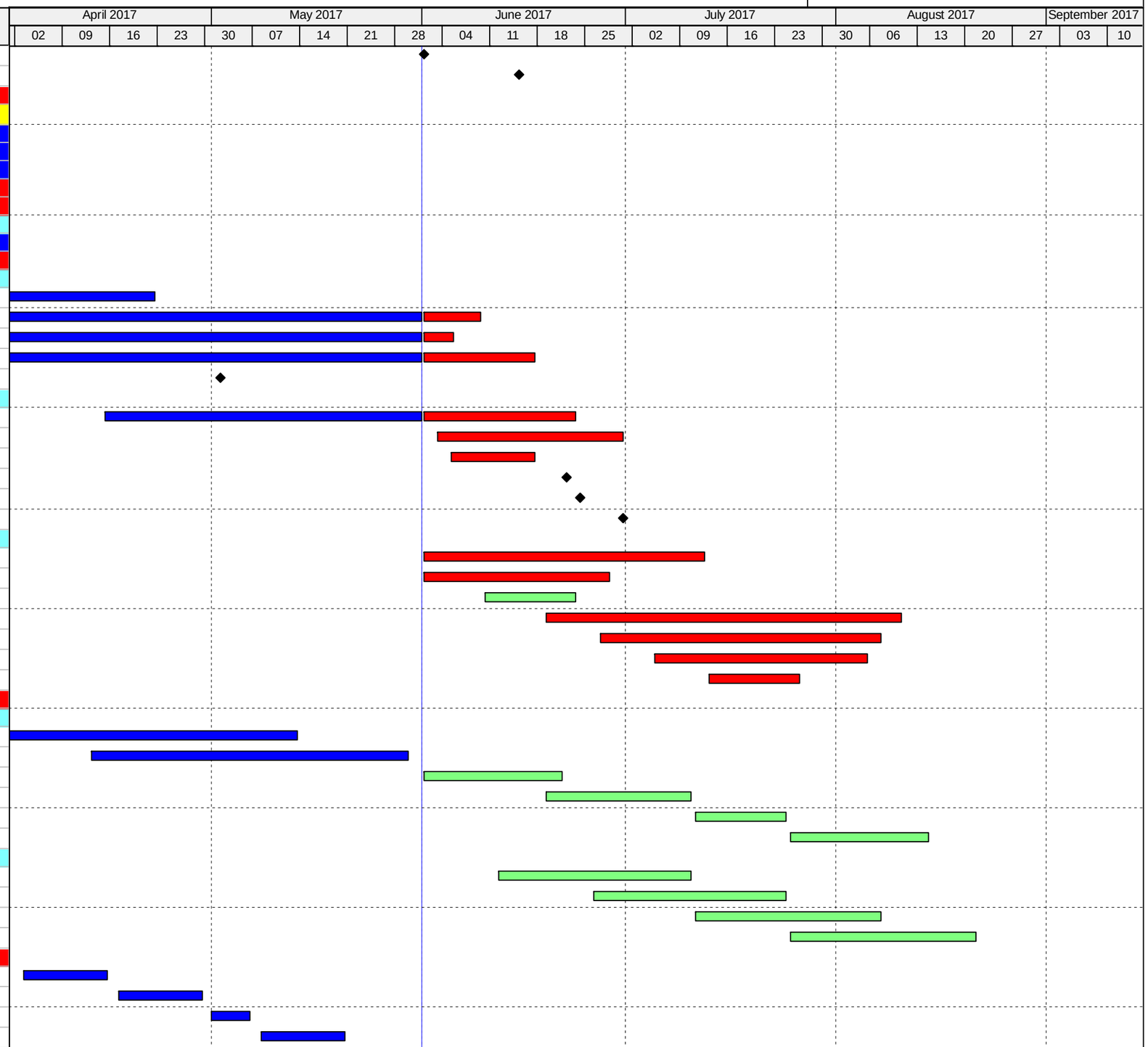
3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Activity ID	Activity Name
RAB-FSD-138	023 - Submit Form 314
RAB-FSD-108	023 - Submit WWO 46 Pt. IV for Building 023
Engineer (AECOM)	
Building 025 - Inbound Private Car Annexure	
Excavation	
Raft Foundations	
Structure	
Walls & Columns	
Roof Slab	
Cure and Strip	
ABWF/E&M INTERNAL FINISHES	
INTERNAL FINISHING WORKS	
Degree 1	
RAB-25-7380	025 - Blockwork/Partition Walls (1720m²)
RAB-25-7490	025 - Floor Screed
RAB-25-7400	025 - MEP 1st Fix
RAB-25-7390	025 - Plastering & Under Coat
RAB-25-7540	025 - Access for C3 Cabling***
Degree 2	
RAB-25-7430	025 - MEP 2nd Fix
RAB-25-7570	025 - Raised Floor Pedestal
RAB-25-7450	025 - Frame for Wall Panel & Cladding
RAB-25-7560	025 - Access C3, C6 & C7 Equip. Installation***
RAB-25-7350	025 - Power On Available
RAB-KD6B10	KD6B - Projected achievement of Stage 6B of the Works
Degree 3	
RAB-25-7480	025 - Floor Tiling
RAB-25-7610	025 - Wall Tiling
RAB-25-7440	025 - Door Frame/Panel & Ironmongery
RAB-25-7460	025 - MEP Final Fix
RAB-25-7470	025 - Ceiling Painting & Ceiling Sub-Frame
RAB-25-7600	025 - Wall Paint Finish Coat
RAB-25-7580	025 - Floor Painting
External Finishes	
Facade	
RAB-25-0400	025 - External Render
RAB-25-0420	025 - External Tiling
RAB-25-0450	025 - External Painting
RAB-25-0360	025 - Install External Louvers /Windows/Doors
RAB-25-0570	025 - Dismantle Scaffolding
RAB-25-0580	025 - Make good external surfaces
At Grade	
RAB-25-6400	025 - Prepare Sub Grade
RAB-25-6390	025 - Laying Geo Textile
RAB-25-6410	025 - Lay Granular Sub-Base
RAB-25-6420	025 - Laying Course
Roof Finishes	
RAB-25-0390	025 - Leveling screed - (1285m²)
RAB-25-0440	025 - Waterproof membrane - (1285m²)
RAB-25-0470	025 - Top Screed - (1285m²)
RAB-25-0530	025 - Install Roof Tiles - (1285m²)



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3-Month Rolling Programme Update, 01 June 2017

RAB5

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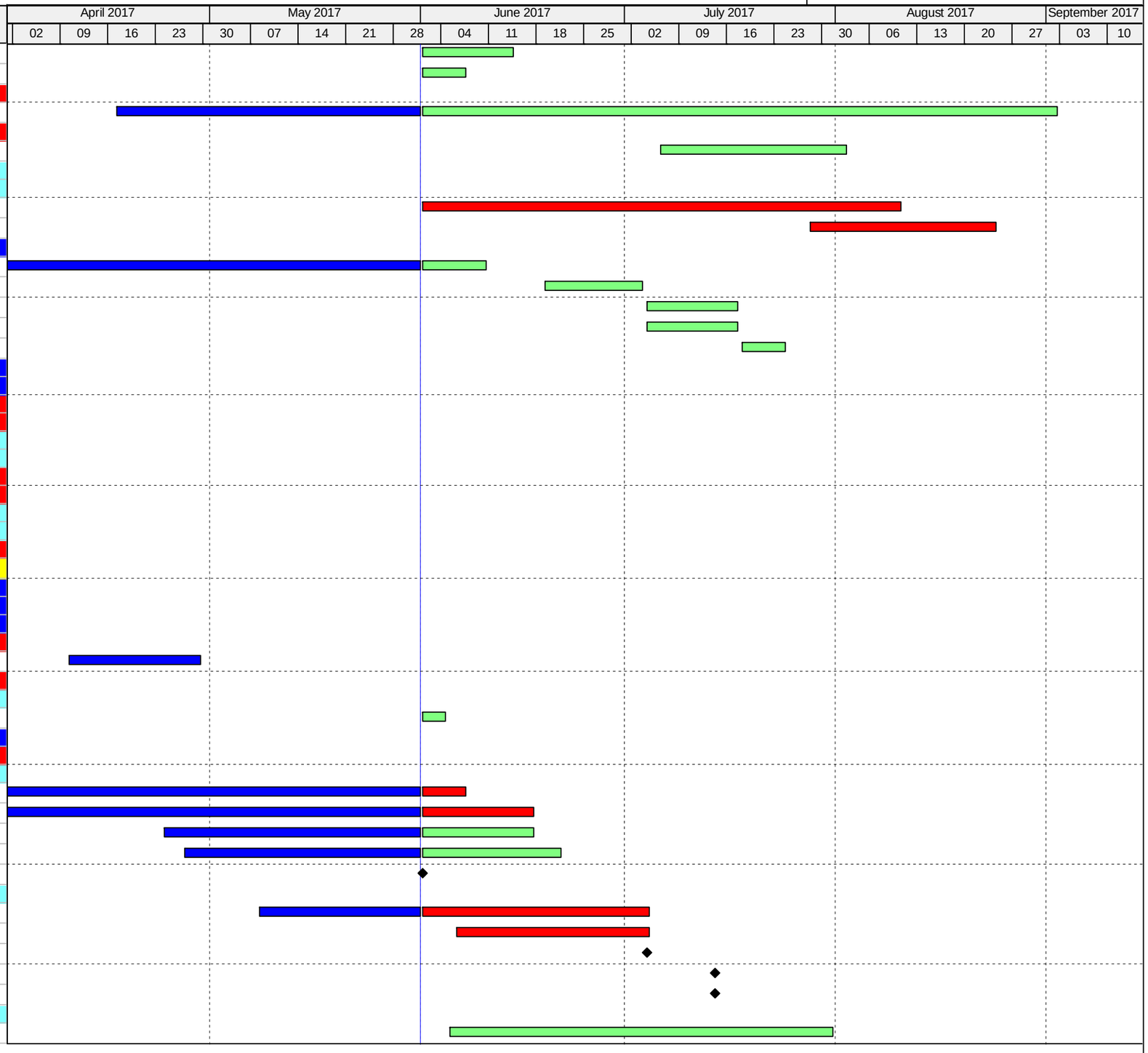
Activity ID	Activity Name
RAB-25-0550	025 - Install Railing (222m)
RAB-25-0540	025 - Install Cat Ladders and Roof Hatch
Green Roof	
RAB-25-0700	025 - Install Green Roof Irrigation Systems
Specialist Installations	
RAB-25-610	025 - Construct Immigration Counters x 3
Glazed Canopy	
IMMD Kiosk	
RAB-25-0380	025 - Internal ABWF and MEP of IMMD Kiosk
RAB-25-0350	025 - External Finishes to IMMD Kiosk
Utilities and Drainage	
RAB-25-7250	025 - Construct Permanent Drainage, Manholes & Draw Pits
RAB-25-7290	025 - Install FS Water Main
RAB-25-7270	025 - Install Flushing Water Mains
RAB-25-7280	025 - Install Fresh Water Mains
RAB-25-7260	025 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
Water Supplies Department (WSD)	
Commencement	
Completion	
Fire Servives Department (VAC)	
Fire Service Water (FS)	
Commencement	
Completion	
Engineer (AECOM)	
Building 032 - Outbound Private Car Annexure	
Excavation	
Raft Foundations	
Structure	
Walls & Columns	
RAB-32-610	032 - Install SPR and FS RC Water Tanks (G/F South)
Roof Slab	
Cure and Strip	
RAB-32-0690	032 - Cure and Strip False/Formwork, Water Tank
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-32-0460	032 - Construct Blockwork Walls (2170m²)
RAB-32-0720	032 - Plastering & Undercoat
RAB-32-0700	032 - Floor Screed
RAB-32-0510	032 - MEP 1st Fix
RAB-32-0820	023 - Access for C3 Cabling***
Degree 2	
RAB-32-0560	032 - MEP 2nd Fix
RAB-32-0760	032 - Door & Windor Frame + Louver
RAB-32-0660	032 - Power On
RAB-32-0840	032 - Access for C3, C6 & C7 Equip. Installation***
RAB-KD7B10	KD7B - Projected achievement of Stage 7B of the Works
Degree 3	
RAB-32-0770	032 - Floor Tiling & Floor Finishes to Early handover Rooms



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3-Month Rolling Programme Update, 01 June 2017

RAB5			
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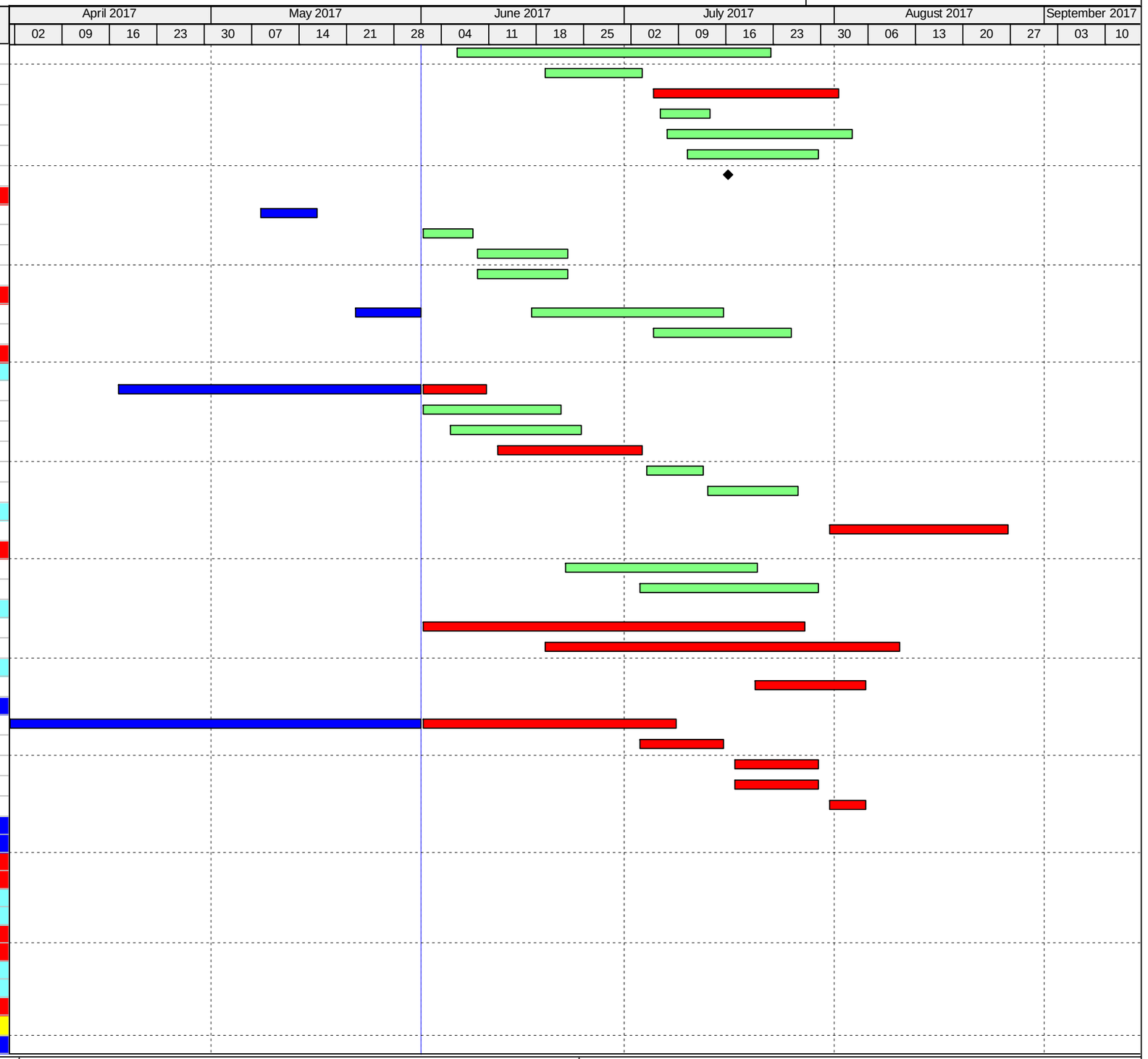
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Activity ID	Activity Name
RAB-32-0750	032 - Ceiling Frame
RAB-32-0790	032 - Glazing
RAB-32-0590	032 - MEP Final Fix
RAB-32-0745	032 - Raised Floor
RAB-32-0870	032 - Ceiling Panel
RAB-32-0800	032 - Door Panel & Ironmongery
RAB-32-0850	032 - Early Handover Rooms Ready to End Users***
Roof Finishes	
RAB-32-0440	032 - Waterproof membrane
RAB-32-0470	032 - Roof Tiling
RAB-32-0550	032 - Install Railing
RAB-32-0540	032 - Install Cat Ladders and Roof Hatch
Green Roof	
RAB-32-0620	032 - Install Green Roof Irrigation Systems
RAB-32-0650	032 - Complete Green Roof Works
External Finishes	
Facade	
RAB-32-0400	032 - External Render
RAB-32-0360	032 - Install External Louvers /Windows/Doors
RAB-32-0420	032 - External Tiling
RAB-32-0450	032 - External Painting
RAB-32-0570	032 - Dismantle Scaffolding
RAB-32-0580	032 - Make good external surfaces
At Grade	
RAB-32-6460	032 - Prepare Sub Grade
Specialist Installations	
RAB-32-630	032 - Construct Immigration Counters x 3
RAB-32-640	032 - Construct Health Department Screening Station X 1
IMMD Kiosk	
RAB-32-0380	032 - Internal ABWF and MEP of IMMD Kiosk
RAB-32-0350	032 - External Finishes to IMMD Kiosk
Glazed Canopy	
RAB-32-0480	032 - Install Steel Support Columns (14 No)
Utilities and Drainage	
RAB-32-7290	032 - Construct Permanent Drainage and Manholes (Approx 150m)
RAB-32-7330	032 - Install FS Water Main
RAB-32-7310	032 - Install Flushing Water Mains
RAB-32-7320	032 - Install Fresh Water Mains
RAB-32-7300	032 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
Water Supplies Department (WSD)	
Commencement	
Completion	
Fire Servives Department (HVAC)	
Fire Water Service (FS)	
Commencement	
Completion	
Engineer (AECOM)	
Building 044 - E&M Maintenance Building	
Excavation	



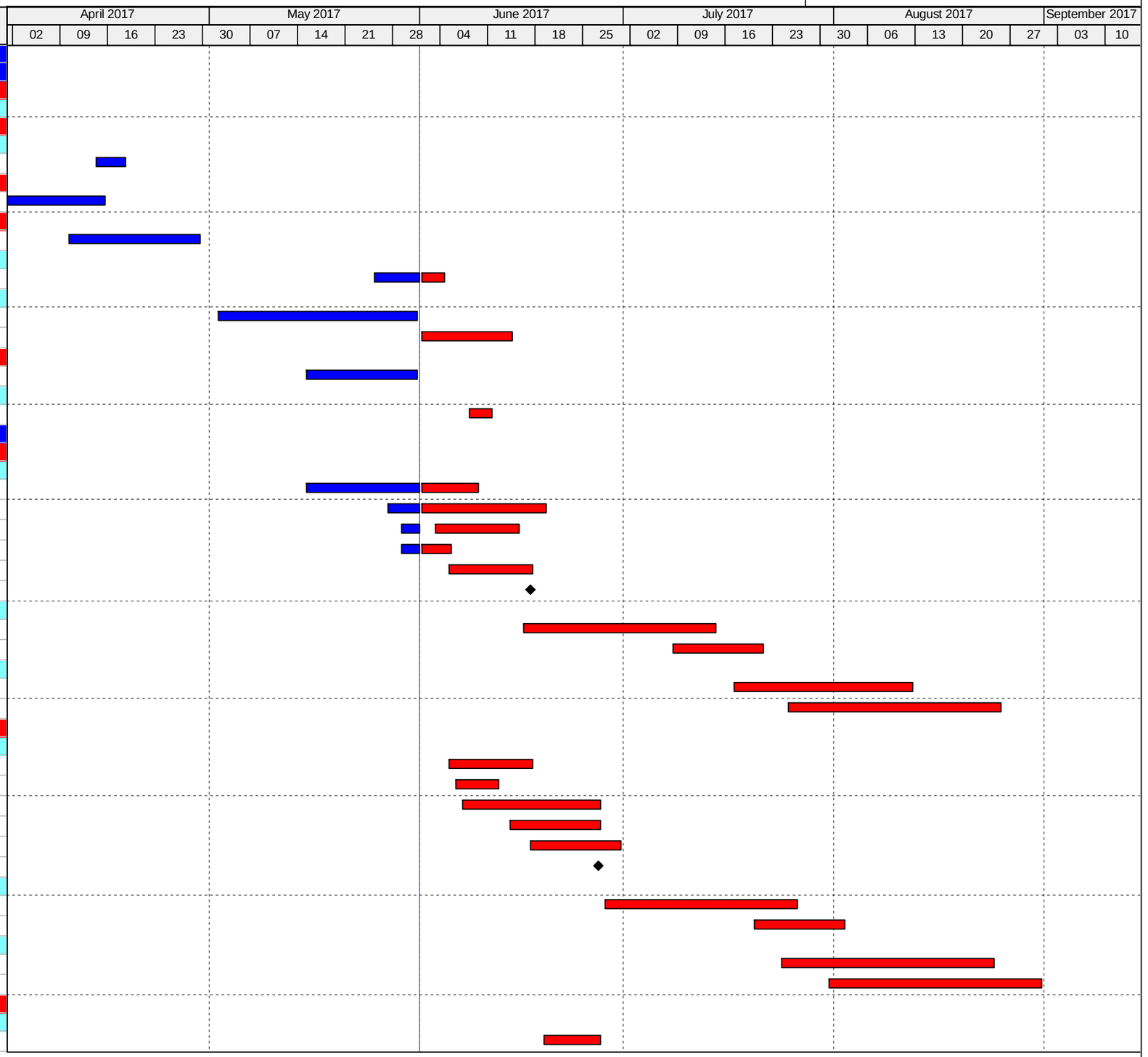
Remaining Level of Effort | Actual Work | Critical Remaining ...
Actual Level of Effort | Remaining Work | Finish Constraint

3-Month Rolling Programme Update, 01 June 2017

RAB5			
Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
	Raft
	Structure
	Walls & Columns
	Ground to First Floor
	First Floor
	Cure and Strip
RAB-44-0220	044 - Cure and Strip False/Formwork for +12.15mPD Slab, G/F - 1/F
	First Floor to Second Floor
RAB-44-0210	044 - Construct External Walls to +16.85mPD
	Second Floor
RAB-44-0250	044 - Construct Roof Level (2/F) RC Structures upto +16.85mPD
	Cure and Strip
RAB-44-0280	044 - Cure and Strip False/Formwork for +16.85mPD Slab, 1/F - 2/F
	Second Floor to Roof
RAB-44-0270	044 - Construct External Walls to +20.65mPD (South)
RAB-44-610	044 - Install SPR (37m³) and FS (36m³) RC Water Tanks
	Roof Level
RAB-44-0330	044 - Construct Roof Floor upto +20.65mPD (242m²) (72m³)
	Cure and Strip
RAB-44-0370	044 - Cure and Strip False/Formwork for +20.65mPD Slab, 2/F - R/F
	ABWF/E&M
	Ground Floor
	Degree 1
RAB-44-1110	044 - Construct Blockwork Walls - G/F
RAB-44-1180	044 - Plastering & Undercoat - G/F
RAB-44-1185	044 - MEP 1st Fix - G/F
RAB-44-1190	044 - C3 & C8 Conduit Installation*** - G/F
RAB-44-1170	044 - Screed - G/F
RAB-44-1200	044 - C3 Cabling*** - G/F
	Degree 2
RAB-44-9175	044 - MEP 2nd Fix - G/F
RAB-44-0760	044 - Door & Windor Frame + Louver - G/F
	Degree 3
RAB-44-9285	044 - Wall Finish, Paint & Tile - G/F
RAB-44-9295	044 - Door Panel & Ironmongery - G/F
	First Floor
	Degree 1
RAB-44-9315	044 - Construct Blockwork Walls - 1/F
RAB-44-9405	044 - C3, C6 & C8 Conduit Installation*** - 1/F
RAB-44-9305	044 - MEP 1st Fix - 1/F
RAB-44-9335	044 - Plastering & Undercoat - 1/F
RAB-44-9325	044 - Screed - 1/F
RAB-44-9415	044 - Access for C3 Cabling*** - 1/F
	Degree 2
RAB-44-9365	044 - MEP 2nd Fix - 1/F
RAB-44-9455	044 - Door & Windor Frame + Louver - 1/F
	Degree 3
RAB-44-9555	044 - Wall Finish, Paint & Tile - 1/F
RAB-44-9505	044 - Door Panel & Ironmongery - 1/F
	Second Floor
	Degree 1
RAB-44-9525	044 - Construct Blockwork Walls - 2/F



Remaining Level of Effort | Actual Work | Critical Remaining ...
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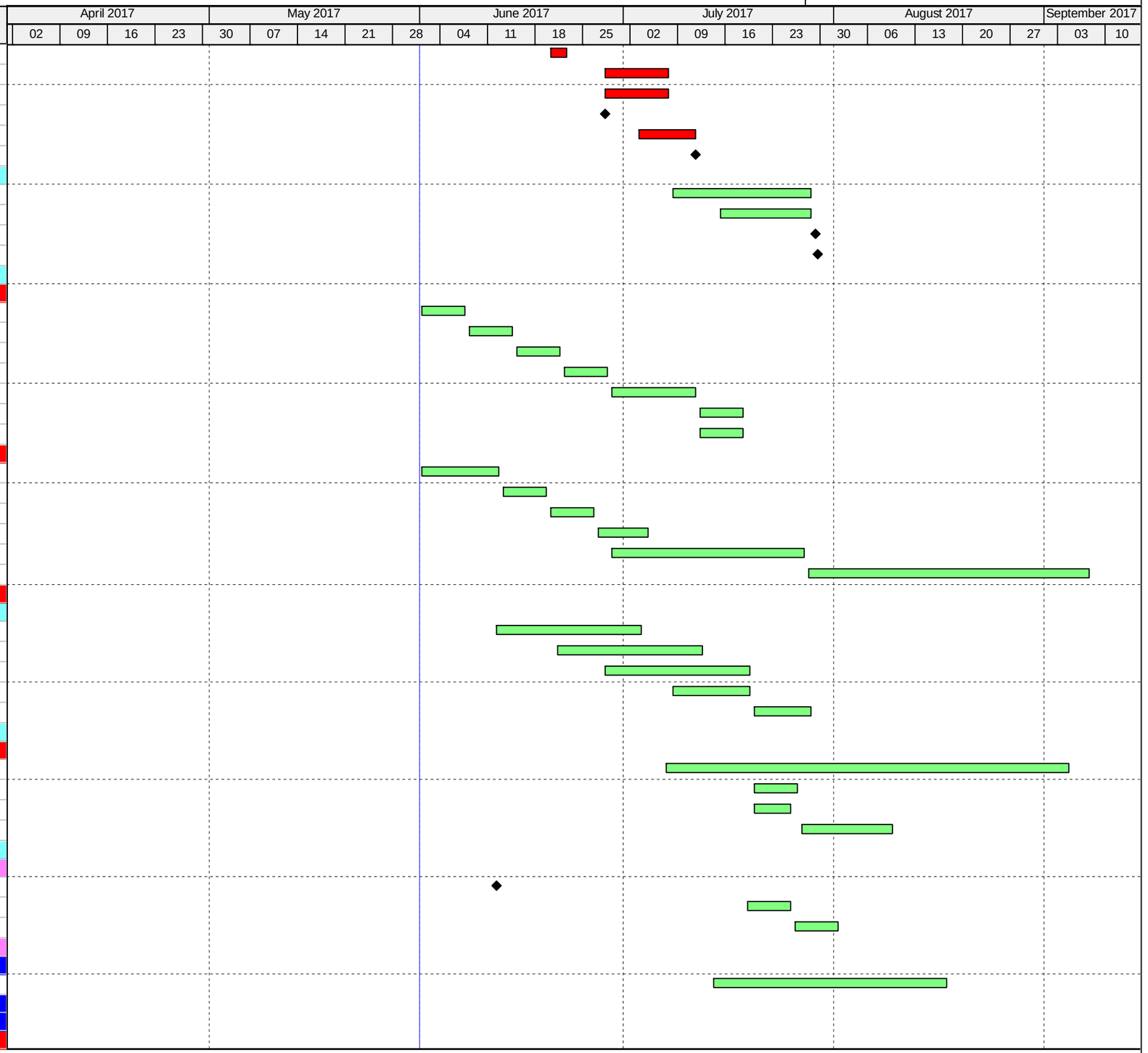
3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB-44-9755	044 - C3, C6 & C8 Conduit Installation*** - 2/F
RAB-44-9515	044 - MEP 1st Fix - 2/F
RAB-44-9545	044 - Plastering & Undercoat - 2/F
RAB-44-9765	044 - Access for C3 Cabling*** - 2/F
RAB-44-9535	044 - Screed - 2/F
RAB-KD8A20	044 - Projeted achievement of Stage 8A of the Works - 2/F
Degree 2	
RAB-44-9575	044 - MEP 2nd Fix - 2/F
RAB-44-9665	044 - Door & Windor Frame + Louver - 2/F
RAB-44-9605	044 - Power On - 2/F
RAB-44-0610	KD8B - Projected achievement of Stage 8B of the Works - 2/F
Degree 3	
Roof Finishes	
RAB-44-0420	044 - Leveling screed - (242m²)
RAB-44-0450	044 - Waterproof membrane - (242m²)
RAB-44-1150	044 - Insulation Board - (242m²)
RAB-44-0480	044 - Top Screed - (242m²)
RAB-44-0520	044 - Install Roof Tiles - (242m²)
RAB-44-0540	044 - Install Railing
RAB-44-0550	044 - Install Cat Ladder and Roof Hatch
Green Roof	
RAB-44-0320	044 - Erect External Scaffolding
RAB-44-0350	044 - Leveling screed - (242m²)
RAB-44-0360	044 - Waterproof membrane - (242m²)
RAB-44-0390	044 - Top Screed - (242m²)
RAB-44-0400	044 - Install green Roof Irrigation Systems
RAB-44-0500	044 - Complete Green Roofing Works
External Finishes	
Facade	
RAB-44-0430	044 - Install External Louvers /Windows/Doors
RAB-44-0470	044 - External Render
RAB-44-0530	044 - External Painting
RAB-44-0490	044 - External Tiling
RAB-44-0570	044 - Dismantle Scaffolding
At Grade	
Specialist Installations	
RAB-44-0600	044 - Install Lift (1 nos)
RAB-44-1100	044 - Installation of Roller Shutter Header Box
RAB-44-2250	044 - Small Glass Canopy North Elevation
RAB-44-1090	044 - Installation of Roller Shutter Steel Curtain
Curtain Wall	
East	
RAB-44-6870	044 - Complete Formwork Stripping to Roof Level
RAB-44-6880	044 - Install Primary Steelwork for Window Wall - East
RAB-44-6890	044 - Install Secondary Steelwork for Window Wall - East
West	
Utilities and Drainage	
RAB-44-7895	044 - Construct Permanent Drainage and Manholes (Approx 100m)
Testing & Commissioning	
Statutory Submissions & Approvals	
BBEO	



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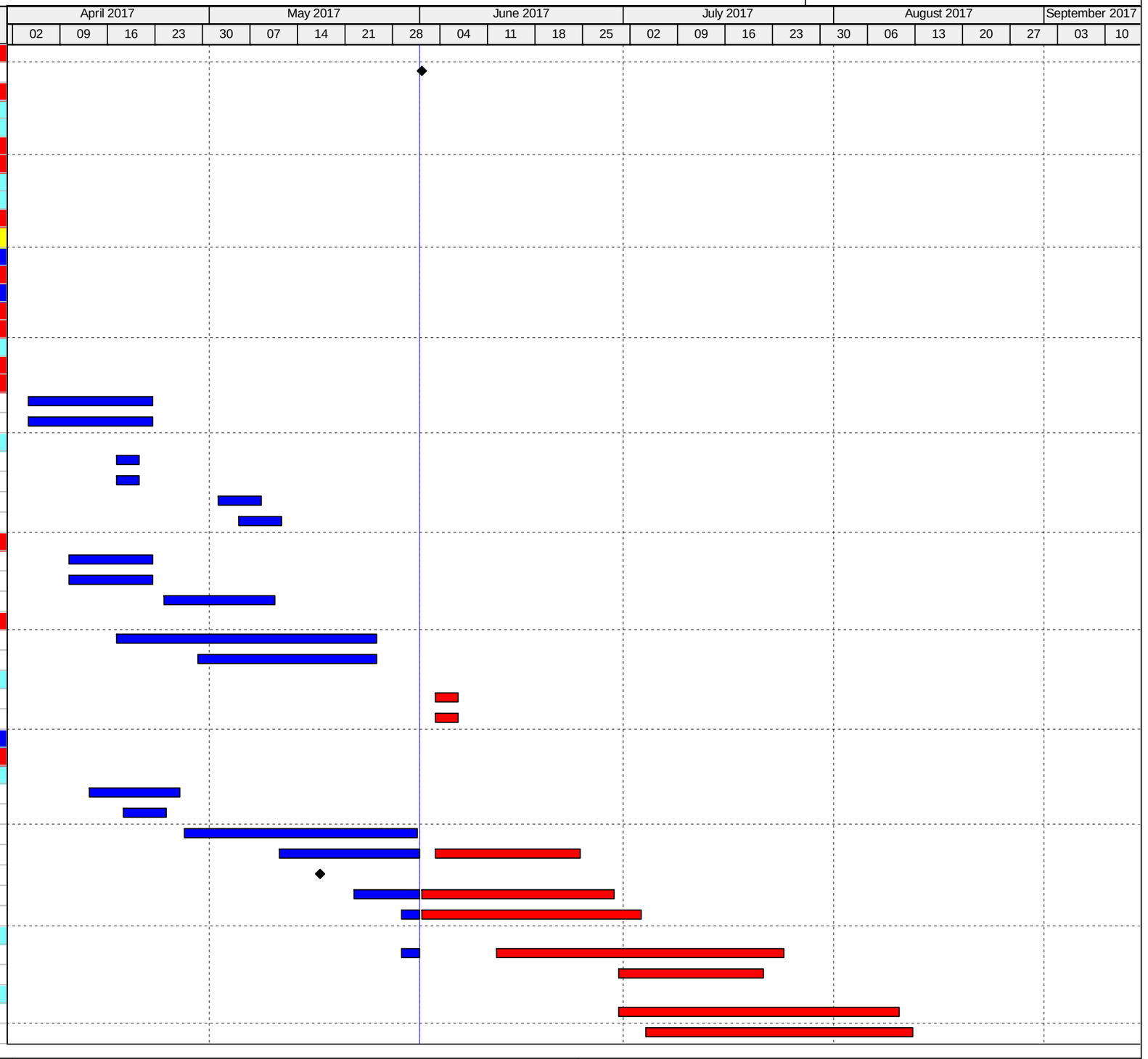
Critical Remaining ...
Finish Constraint

3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Activity ID	Activity Name
	EMSD - Building 044 Lift Inspection
RAB-FSD-200	044 - Submit EMSD Form 3 (Commencement of Lift Installation)
	Water Supplies Department (WSD)
	Commencement
	Completion
	Fire Servives Department (HVAC)
	Fire Water Services (FS)
	Commencement
	Completion
	Engineer (AECOM)
	Building 045 - Highways Depot & Administration Building
	Raft Foundation
	Diesel Fuel Chamber
	Structure G/F to R/F
	G/F to 1/F Walls & Columns
	1/F Slab
	Cure and Strip
	1/F to 2/F Walls & Columns
	2/F Slab
RAB-45-0470	045 - Construct 2/F Suspended Slab +16.55mPD Bay 6 (South) (285
RAB-45-0520	045 - Construct 2/F Suspended Slab +16.55mPD Bay 5 (South) (285
	Cure and Strip
RAB-45-0430	045 - Cure and Strip False/Formwork +16.7mPD Bay 3 (Middle), 1/F
RAB-45-0550	045 - Cure and Strip False/Formwork +16.7mPD Bay 4 (Middle), 1/F
RAB-45-0370	045 - Cure and Strip False/Formwork +16.55mPD Bay 6 (South), 1/F
RAB-45-0510	045 - Cure and Strip False/Formwork +16.55mPD Bay 5 (South), 1/F
	2/f to R/F Walls & Columns
RAB-45-0610	045 - Construct External Walls to +20.65mPD Bay 3, 2/F-R/F
RAB-45-1110	045 - Construct SPR (37m³) and FS (36m³) RC Water Tanks (2/F Sc
RAB-45-1220	045 - Construct External Walls to +20.65mPD Bay 4, 2/F-R/F
	Roof Level Slab
RAB-45-0700	045 - Construct Roof Floor upto +20.65mPD Bay 3 (285m²) (approx
RAB-45-1230	045 - Construct Roof Floor upto +20.65mPD Bay 4 (285m²) (approx
	Cure and Strip
RAB-45-0750	045 - Cure and Strip False/Formwork +20.65mPD Bay 3, 2/F-R/F
RAB-45-1240	045 - Cure and Strip False/Formwork +20.65mPD Bay 4, 2/F-R/F
	ABWF/E&M
	Ground Floor, South - G/F
	Degree 1, G/F
RAB-45-0410	045 - Concrete Surface Defect Rectification
RAB-45-0400	045 - C3, C6 & C8 Conduit Installation, G/F***
RAB-45-0390	045 - Construct Blockwork Walls - G/F
RAB-45-9725	045 - MEP 1st Fix - G/F
RAB-45-0440	045 - Access for C3 Cabling Works, G/F***
RAB-45-9775	045 - Plastering & Undercoat - G/F
RAB-45-9765	045 - Screed - G/F
	Degree 2, G/F
RAB-45-9805	045 - MEP 2nd Fix - G/F
RAB-45-9895	045 - Door & Windor Frame + Louver - G/F
	Degree 3, G/F
RAB-45-9915	045 - Floor Finish (Paint & Tile) - G/F
RAB-45-9935	045 - Wall Finish, Paint & Tile - G/F



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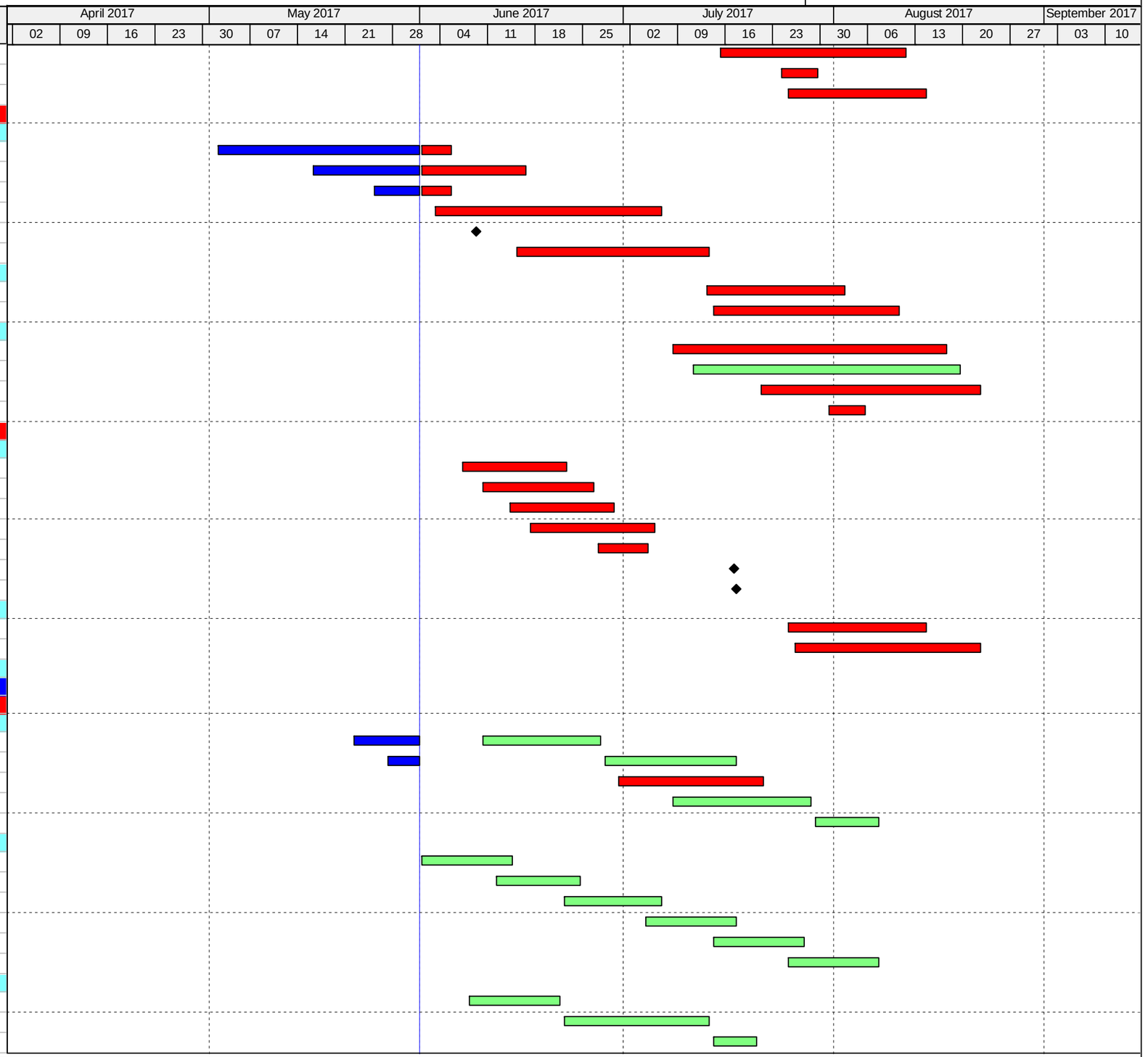
3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Activity ID	Activity Name
RAB-45-9925	045 - Glazing - G/F
RAB-45-10005	045 - Ceiling Paint - G/F
RAB-45-9815	045 - MEP Final Fix - G/F
First Floor, 1/F	
Degree 1, 1/F	
RAB-45-9965	045 - Construct Blockwork Walls - 1/F
RAB-45-9975	045 - Screed - 1/F
RAB-45-9995	045 - C3, C6 & C8 Conduit Installation, 1/F***
RAB-45-9985	045 - Plastering & Undercoat - 1/F
RAB-45-10045	045 - Access for C3 Cabling Works, 1/F***
RAB-45-9955	045 - MEP 1st Fix - 1/F
Degree 2, 1/F	
RAB-45-10105	045 - Door & Windor Frame + Louver - 1/F
RAB-45-10015	045 - MEP 2nd Fix - 1/F
Degree 3, 1/F	
RAB-45-10125	045 - Floor Finish (Paint & Tile) - 1/F
RAB-45-10145	045 - Wall Finish, Paint & Tile - 1/F
RAB-45-10285	045 - Glazing - 1/F
RAB-45-10175	045 - Ceiling Paint - 1/F
Second Floor, 2/F	
Degree 1, 2/F	
RAB-45-0810	045 - Construct Blockwork Walls - 2/F
RAB-45-10185	045 - Screed - 2/F
RAB-45-10195	045 - Plastering & Undercoat - 2/F
RAB-45-10165	045 - MEP 1st Fix - 2/F
RAB-45-0830	045 - Access to C3, C6 & C8 Conduit Installation, 2/F***
RAB-45-0840	045 - Access for C3 Cabling Works, 2/F***
RAB-45-0900	045 - Projeted achievement of Stage 8A of the Works - 2/F
Degree 2, 2/F	
RAB-45-10315	045 - Door & Windor Frame + Louver - 2/F
RAB-45-10225	045 - MEP 2nd Fix - 2/F
Degree 3, 2/F	
External Finishes	
Bldg. External Finishes	
Facade	
RAB-45-0760	045 - Make good external surfaces
RAB-45-0630	045 - External Render
RAB-45-0620	045 - Install External Louvers /Windows/Doors
RAB-45-0690	045 - External Painting
RAB-45-0720	045 - Dismantle Scaffolding
At Grade	
RAB-45-6580	045 - Prepare Sub Grade
RAB-45-6570	045 - Laying Geo Textile
RAB-45-6590	045 - Lay Granular Sub-Base
RAB-45-6600	045 - Laying Course
RAB-45-6560	045 - Concrete Block Paving
RAB-45-6610	045 - Grouting Works to Concrete Pavers
Roof Finishes -	
RAB-45-0820	045 - Leveling screed
RAB-45-0860	045 - Waterproof membrane
RAB-45-0880	045 - Top Screed



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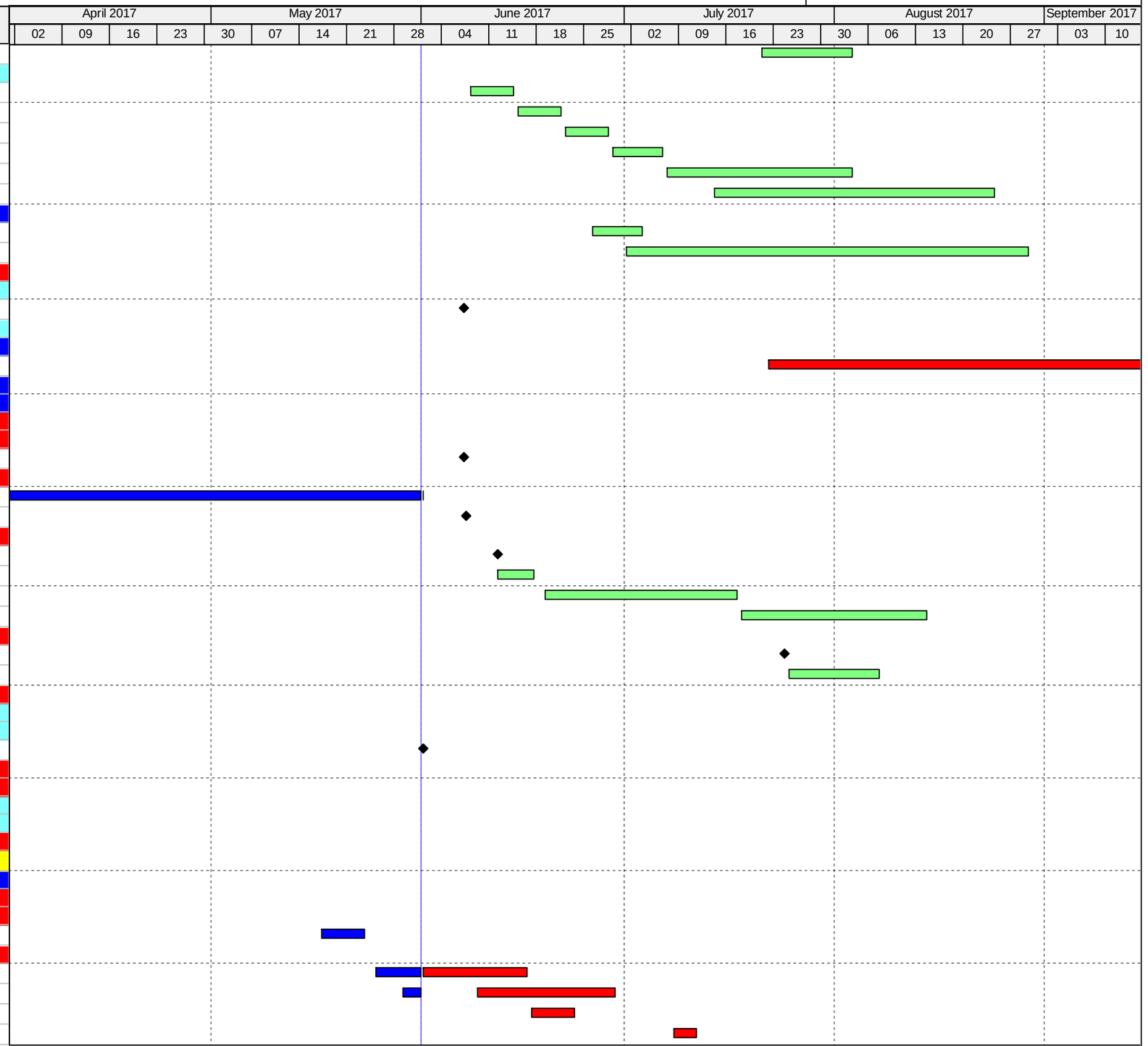
3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Activity ID	Activity Name
RAB-45-0910	045 - Install Roof Tiles
Green Roof - Noth Side, 2/F Level	
RAB-45-0600	045 - Leveling screed
RAB-45-0650	045 - Waterproof membrane
RAB-45-1210	045 - Insulation Board
RAB-45-0670	045 - Top Screed
RAB-45-0680	045 - Install green Roof Irrigation Systems
RAB-45-0740	045 - Complete Green Roofing Works
Specialist Installations	
RAB-45-1125	045 - Install Genset and swtich board G/F
RAB-45-0590	045 - Install Lift (1 nos)
Window Wall	
East	
RAB-45-6950	045 - Complete Formwork Stripping to Roof Level
West	
Utilities and Drainage	
RAB-45-7935	045 - Construct Permanent Drainage and Manholes (Approx 180m)
Testing & Commissioning	
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
EMSD - Building 045 Lift Inspection	
RAB-FSD-230	045 - Submit EMSD Form 3 (Commencement of Lift Installation)
Fuel Tank - DG License	
RAB-FSD-660	045 - FSD Inspection & Approval
RAB-FSD-680	045 - FSD Issue License
Generator Set - EPD Permit	
RAB-EPD-0100	45 - DG Storage Drwg. Ready for Submission
RAB-EPD-0110	45 - Submnit to EPD
RAB-EPD-0120	45 - EPD Issue Permit
RAB-EPD-0130	45 - Submission Form 501to EPD
Generator Set - DG Licence	
RAB-FSD-690	045- Genset Ready for DG Inspection
RAB-FSD-700	045 - Notify FSD for DG Inspection
Water Supplies Department (WSD)	
Commencement	
Completion	
RAB-WSD-654	045 - Submit WWO 46 Pt. IV
HVAC	
FSD	
Commencement	
Completion	
Engineer (AECOM)	
Building 050 - Public Toilets Type 2	
Public Toilet (Portion H1)	
Excavation	
Raft	
RAB-50-1330	050 H1 - Ground Slab
Structure	
RAB-50-1060	050 H1 - Construct RC Walls & Columns (External and Internal)
RAB-50-1070	050 H1 - Construct Roof Floor at +11.525mPD
RAB-50-4310	050 H1 - Construct RC Support Columns for Aluminium Solar Shade
RAB-50-1080	050 H1 - Cure and Strip False/Formwork



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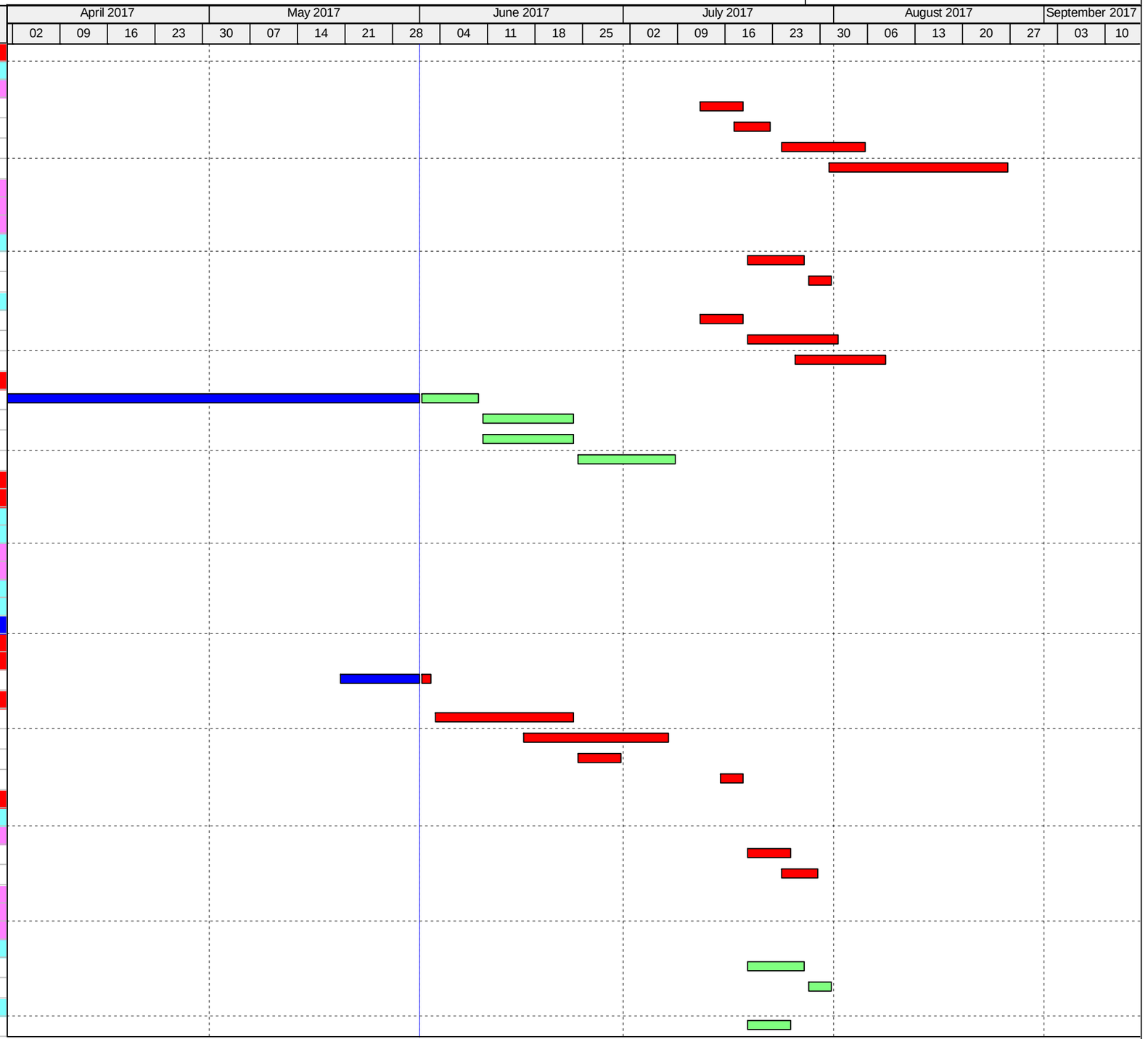
3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-50-1110	050 H1 - Construct Blockwork Walls (126m²)
RAB-50-1320	050 H1 - Screeding
RAB-50-1340	050 H1 - Plastering & Undercoat
RAB-50-1170	050 H1 - MEP 1st Fix
Degree 2	
Degree 3	
Specialist installation	
Roof Finishes	
RAB-50-1100	050 H1 - Install Skylights (8No)
RAB-50-1130	050 H1 - Leveling screed - 140m²
External Finishes	
RAB-50-1090	050 H1 - Erect External Scaffolding
RAB-50-1120	050 H1 - Install External Louvers /Windows/Doors
RAB-50-1150	050 H1 - External Render
Utilities and Drainage	
RAB-50-8015	050 H1 - Construct Permanent Drainage and Manholes (Approx 20n
RAB-50-8035	050 H1 - Install Flushing Water Mains
RAB-50-8045	050 H1 - Install Fresh Water Mains
RAB-50-8025	050 H1 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
Water Supplies Department (WSD)	
Commencement	
Completion	
Fire Servives Department (VAC)	
Engineer (AECOM)	
Public Toilet (Portion H2)	
Excavation	
Raft	
RAB-50-2320	050 H2 - Ground Slab
Structure	
RAB-50-2060	050 H2 - Construct RC Walls (External and Internal)
RAB-50-4330	050 H2 - Construct Roof Floor at +11.525mPD
RAB-50-2070	050 H2 - Construct RC Support Columns for Aluminium Solar Shade
RAB-50-2080	050 H2 - Cure and Strip False/Formwork
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-50-2110	050 H2 - Construct Blockwork Walls (126m²)
RAB-50-2310	050 H2 - Screeding
Degree 2	
Degree 3	
Specialist installation	
Roof Finishes	
RAB-50-2100	050 H2 - Install Skylights (8No)
RAB-50-2130	050 H2 - Leveling screed - 140m²
External Finishes	
RAB-50-2090	050 H2 - Erect External Scaffolding



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3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
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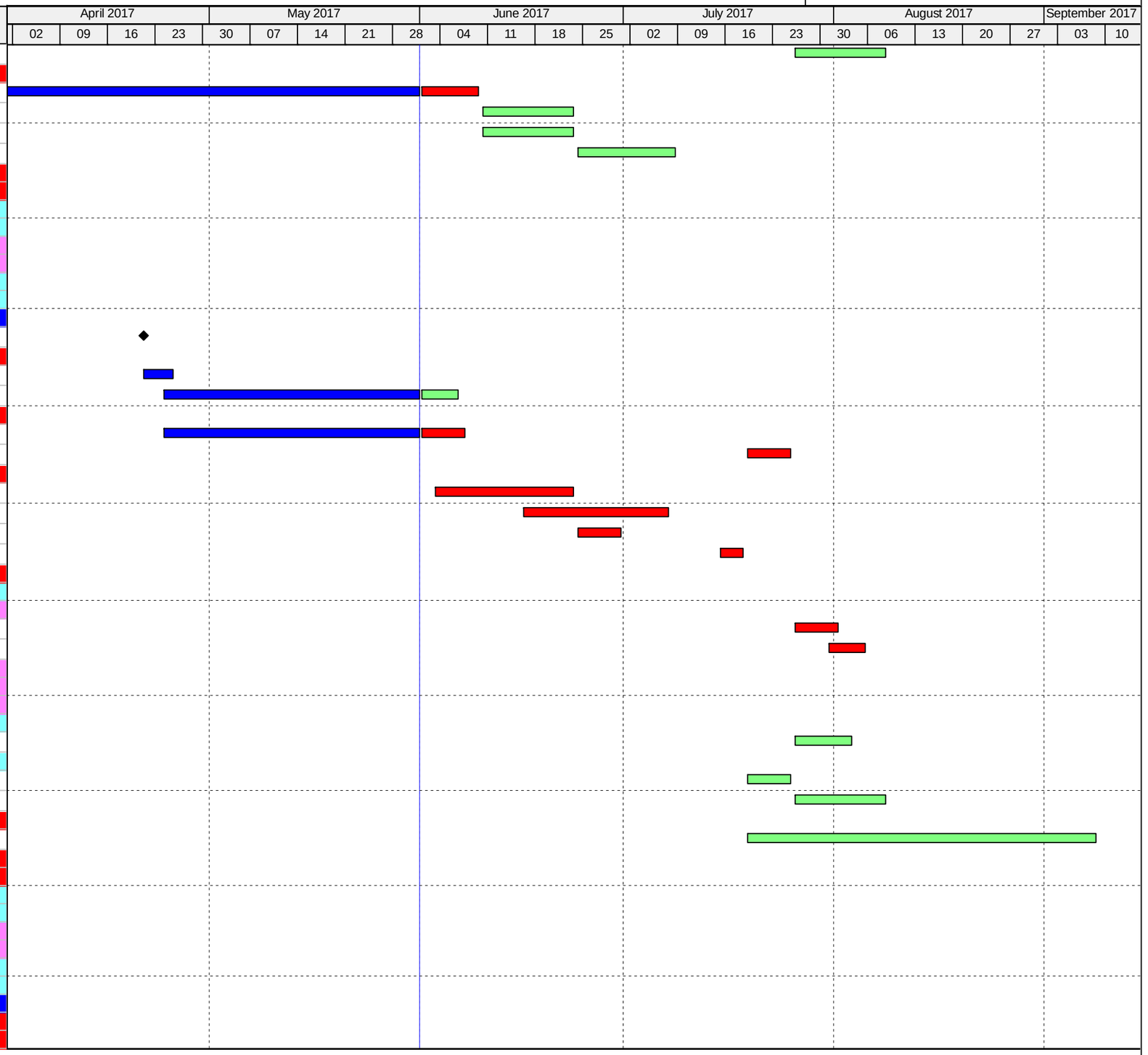
Activity ID	Activity Name
RAB-50-2120	050 H2 - Install External Louvers /Windows/Doors
Utilities and Drainage	
RAB-50-7895	050 H2 - Construct Permanent Drainage and Manholes (Approx 20n
RAB-50-7915	050 H2 - Install Flushing Water Mains
RAB-50-7925	050 H2 - Install Fresh Water Mains
RAB-50-7905	050 H2 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
Water Supplies Department (WSD)	
Commencement	
Completion	
Fire Servives Department (VAC)	
Engineer (AECOM)	
Public Toilet (Portion A1)	
RAB-50-3000	050 A1 - Possession of Portion A1 - If Exercised
Excavation	
RAB-50-3020	050 A1 - Open cut excavation down to formation level (370m³)
RAB-50-3030	050 A1 - Underground Utilties and Drainage
Raft	
RAB-50-3040	050 A1 - Construct Raft Foundation + Dwarf Wall
RAB-50-3050	050 A1 - Ground Slab
Structure	
RAB-50-3060	050 A1 - Construct RC Walls (External and Internal)
RAB-50-3070	050 A1 - Construct Roof Floor at +11.525mPD (140m²) (21m³)
RAB-50-4340	050 A1 - Construct RC Support Columns for Aluminium Solar Shade
RAB-50-3080	050 A1 - Cure and Strip False/Formwork
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-50-3110	050 A1 - Construct Blockwork Walls (126m²)
RAB-50-3320	050 A1 - Screeding
Degree 2	
Degree 3	
Specialist installation	
Roof Finishes	
RAB-50-3100	050 A1 - Install Skylights (8No)
External Finishes	
RAB-50-3090	050 A1 - Erect External Scaffolding
RAB-50-3120	050 A1 - IInstall External Louvers /Windows/Doors
Utilities and Drainage	
RAB-50-7935	050 A1 - Construct Permanent Drainage and Manholes
Testing & Commissioning	
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
Water Supplies Department (WSD)	
Commencement	
Completion	
Fire Servives Department (VAC)	
Engineer (Aecom)	
Public Toilet (Portion A2)	
Excavation	
Raft	



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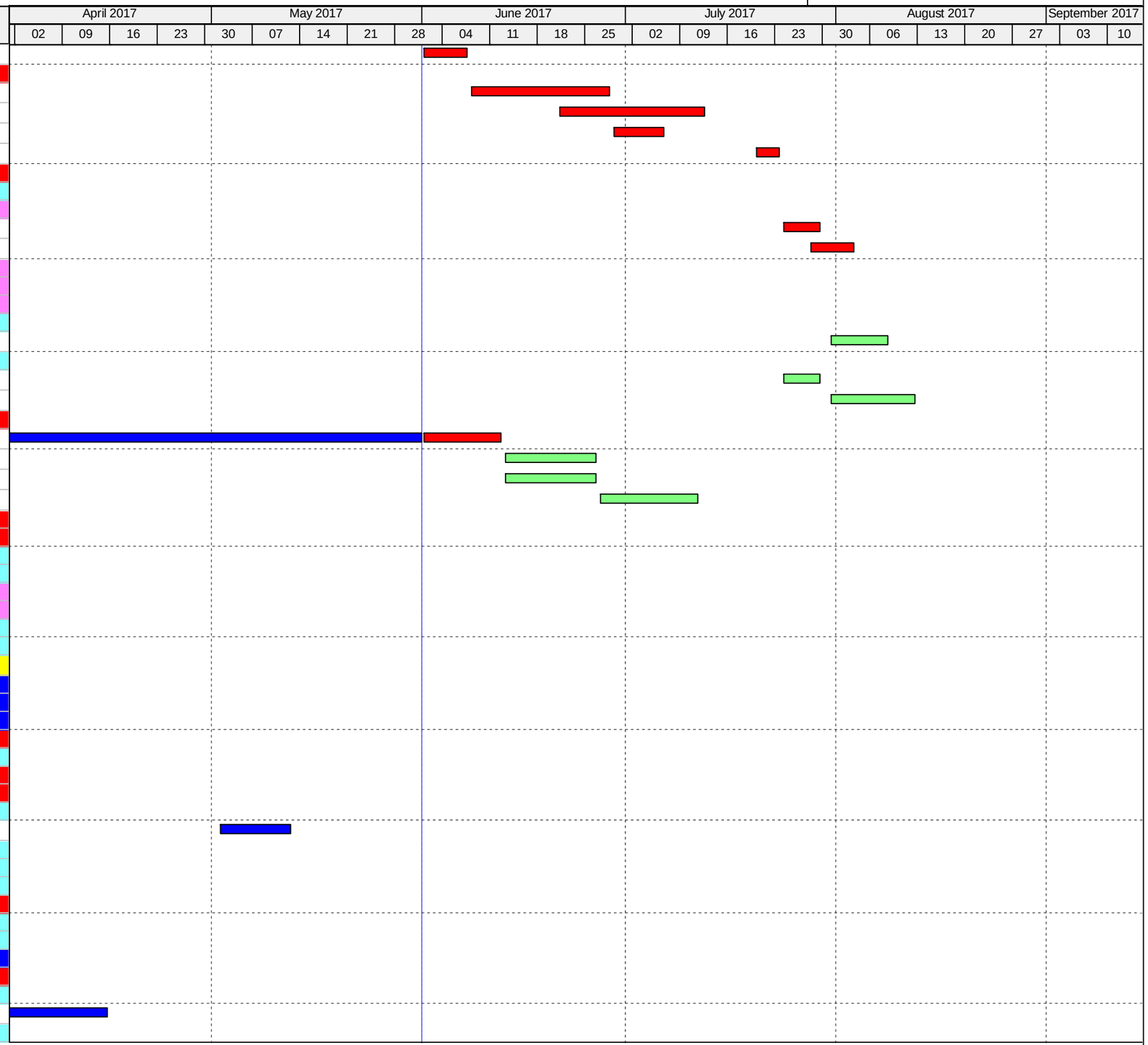
3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB-50-4050	050 A2 - Ground Slab
Structure	
RAB-50-4060	050 A2 - Construct RC Walls (External and Internal)
RAB-50-4070	050 A2 - Construct Roof Floor at +11.525mPD (140m²) (21m³)
RAB-50-4350	050 A2 - Construct RC Support Columns for Aluminium Solar Shade
RAB-50-4080	050 A2 - Cure and Strip False/Formwork
ABWF/E&M	
Internal Finishes	
Degree 1	
RAB-50-4110	050 A2 - Construct Blockwork Walls (126m²)
RAB-50-4400	050 A2 - Screeding
Degree 2	
Degree 3	
Specialist installation	
Roof Finishes	
RAB-50-4100	050 A2 - Install Skylights (8No)
External Finishes	
RAB-50-4090	050 A2 - Erect External Scaffolding
RAB-50-4120	050 A2 - Install External Louvers /Windows/Doors
Utilities and Drainage	
RAB-50-7975	050 A2 - Construct Permanent Drainage and Manholes (Approx 20m
RAB-50-7995	050 A2 - Install Flushing Water Mains
RAB-50-8005	050 A2 - Install Fresh Water Mains
RAB-50-7985	050 A2 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
Statutory Submissions & Approvals (Day 670 Completion)	
BBEO	
Water Supplies Department (WSD)	
Commencement	
Completion	
Fire Servives Department (VAC)	
Engineer (AECOM)	
Building 053 - Outbound X-Ray Building	
Excavation	
Raft	
Structure	
External Walls	
To First Floor Level	
Internal Structures	
First Floor	
Slabs	
RAB-53-1130	053 - Install SPR and FS Glass Reinforced Polyester Water Tanks(S
Cure and Strip	
1/F - Roof Level	
Staircases	
Roof Floor	
Slabs	
Cure and Strip	
ABWF/E&M	
Ground Floor	
Degree 1 - G/F	
RAB-53-0400	053 - MEP 1st Fix, G/F
Degree 2 - G/F	



Remaining Level of Effort
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining ...
Finish Constraint

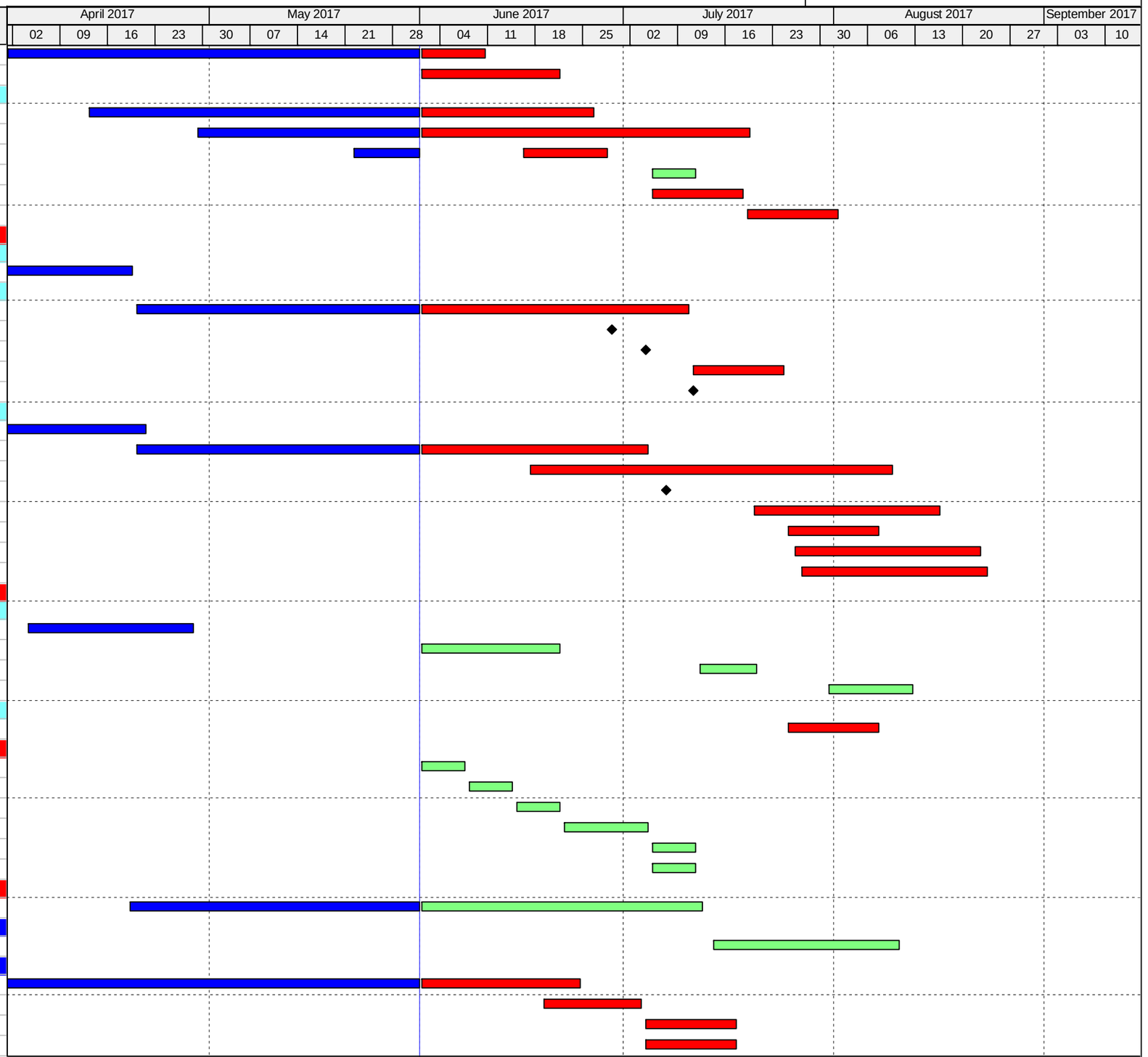
3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
RAB-53-7935	053 - MEP 2nd Fix, G/F
RAB-53-7895	053 - Frame for Wall Panel & Cladding, G/F
Degree 3 - G/F	
RAB-53-0660	053 - Wall Tiling & Wall Painting Final Coat (2), G/F
RAB-53-0730	053 - MEP Final Fix, G/F
RAB-53-8135	053 - Ceiling Plaster Board Sub-Frame, G/F
RAB-53-0690	053 - Raised Floor System, G/F
RAB-53-0710	053 - Door Panel & Ironmongery, G/F
RAB-53-0700	053 - Glazing, G/F
First Floor	
Degree 1 - 1/F	
RAB-53-7955	053 - MEP 1st Fix, 1/F
Degree 2 - 1/F	
RAB-53-8035	053 - MEP 2nd Fix, 1/F
RAB-53-8005	053 - Access to C3 equipment Installatrion***
RAB-53-8045	053 - Projected Achievement of Stage 1B
RAB-53-8015	053 - Frame for Wall Panel & Cladding, 1/F
RAB-53-8065	053 - Power On, 1/F
Degree 3 - 1/F	
RAB-53-8055	053 - Ceiling Paint, Final Coat, 1/F
RAB-53-8155	053 - Wall Tiling & Wall Painting Final Coat (2), 1/F
RAB-53-8105	053 - MEP Final Fix, 1/F
RAB-53-8185	053 - Early handover to Enbd Users***
RAB-53-7985	053 - Ceiling Plaster Board Sub-Frame, 1/F
RAB-53-8085	053 - Door Panel & Ironmongery, 1/F
RAB-53-8075	053 - Glazing, 1/F
RAB-53-8125	053 - Snagging and Remedials, 1/F
External Finishes	
External Facade	
RAB-53-0500	053 - External Painting
RAB-53-0440	053 - Install External Louvers /Windows/Doors
RAB-53-0570	053 - Dismantle Scaffolding
RAB-53-0640	053 - Make good external surfaces
At Grade	
RAB-53-7615	053 - Prepare Sub Grade
Roof Finishes	
RAB-53-0460	053 - Waterproof Membrane - (490m²)
RAB-53-670	053 - Insulation Board - (490m²)
RAB-53-0490	053 - Top Screed - (490m²)
RAB-53-0520	053 - Install Roof Tiles - (490m²)
RAB-53-0530	053 - Install Railing - 105m
RAB-53-0540	053 - Install Cat Ladder and Roof Hatch
Spacialist Installations	
RAB-53-0600	053 - Install Lift (1 nos)
Glazed Canopy	
RAB-53-0620	053 - Construct high level Canopy at +9.95mPD
Utilities and Drainage	
RAB-53-7595	053 - Construct Permanent Drainage and Manholes (Approx 135m)
RAB-53-7655	053 - Install FS Water Main
RAB-53-7610	053 - Install Flushing Water Mains
RAB-53-7620	053 - Install Fresh Water Mains



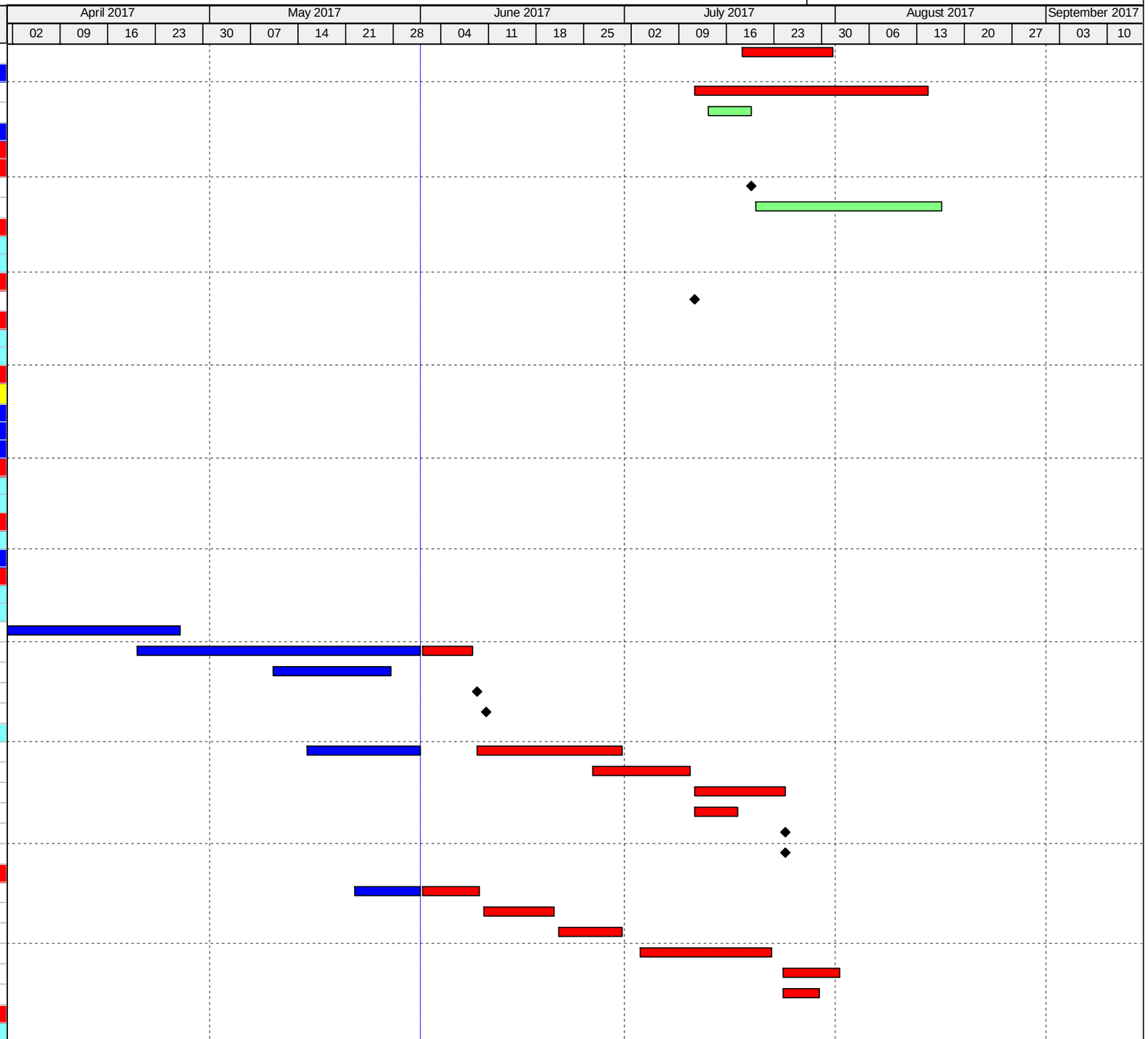
Remaining Level of Effort | Actual Work | Critical Remaining ...
Actual Level of Effort | Remaining Work | Finish Constraint

3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Activity ID	Activity Name
RAB-53-7605	053 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
RAB-TC53-1040	053 - T&C (HVAC, FS, P&D, OTHERS)
RAB-TC53-1050	053 - T&C, Lift
Statutory Submissions & Approvals (Day 470 Completion)	
BBEO	
EMSD - Building 053 Lift Inspection	
RAB-FSD-150	053 - Submit EMSD Form 5 (Completion of Lift Installation)
RAB-FSD-160	053 - EMSD Lift Inspection
Water Supplies Department (WSD)	
Commencement	
Completion	
VAC	
RAB-FSD-1140	053 - Submit Form 314
FSD	
Commencement	
Completion	
Engineer (AECOM)	
Building 058 - Outbound X-Ray Scan Tunnel	
Excavation	
Raft	
Structure	
Walls	
South	
North	
Roof Slabs	
Cure and Strip	
ABWF/E&M	
Internal Finishes	
Degree 1	
Degree 2	
RAB-58-0690	058 - Wall Finish (BOH)
RAB-58-0630	058 - MEP 2nd Fix
RAB-58-0680	058 - Install Louver & Door Frame (Door Frame by other)
RAB-58-0640	058 - Power On
RAB-KD1B10	KD1B - Projected achievement of Stage 1B of the Works Building 05
Degree 3	
RAB-58-0650	058 - MEP Final Fix
RAB-58-0700	058 - Floor Finish (Epoxy Paint)
RAB-58-0660	058 - Snagging and Remedials, Bldg. Internal
RAB-58-0710	058 - Door Panel (By other)
RAB-KD1C10	KD1C - Projected achievement of Stage 1C of the Works Building 05
RAB-58-7520	058 - End Users and MoM handover inspection
Roof Finishes	
RAB-58-0450	058 - Waterproof membrane - 885m²
RAB-58-660	058 - insulation Board - 885m²
RAB-58-0480	058 - Top Screed - 885m²
RAB-58-0510	058 - Install Roof Tiles - 885m²
RAB-58-0540	058 - Install Railing - 152m
RAB-58-0530	058 - Install Cat Ladder and Roof Hatch
External Finishes	
Facade	



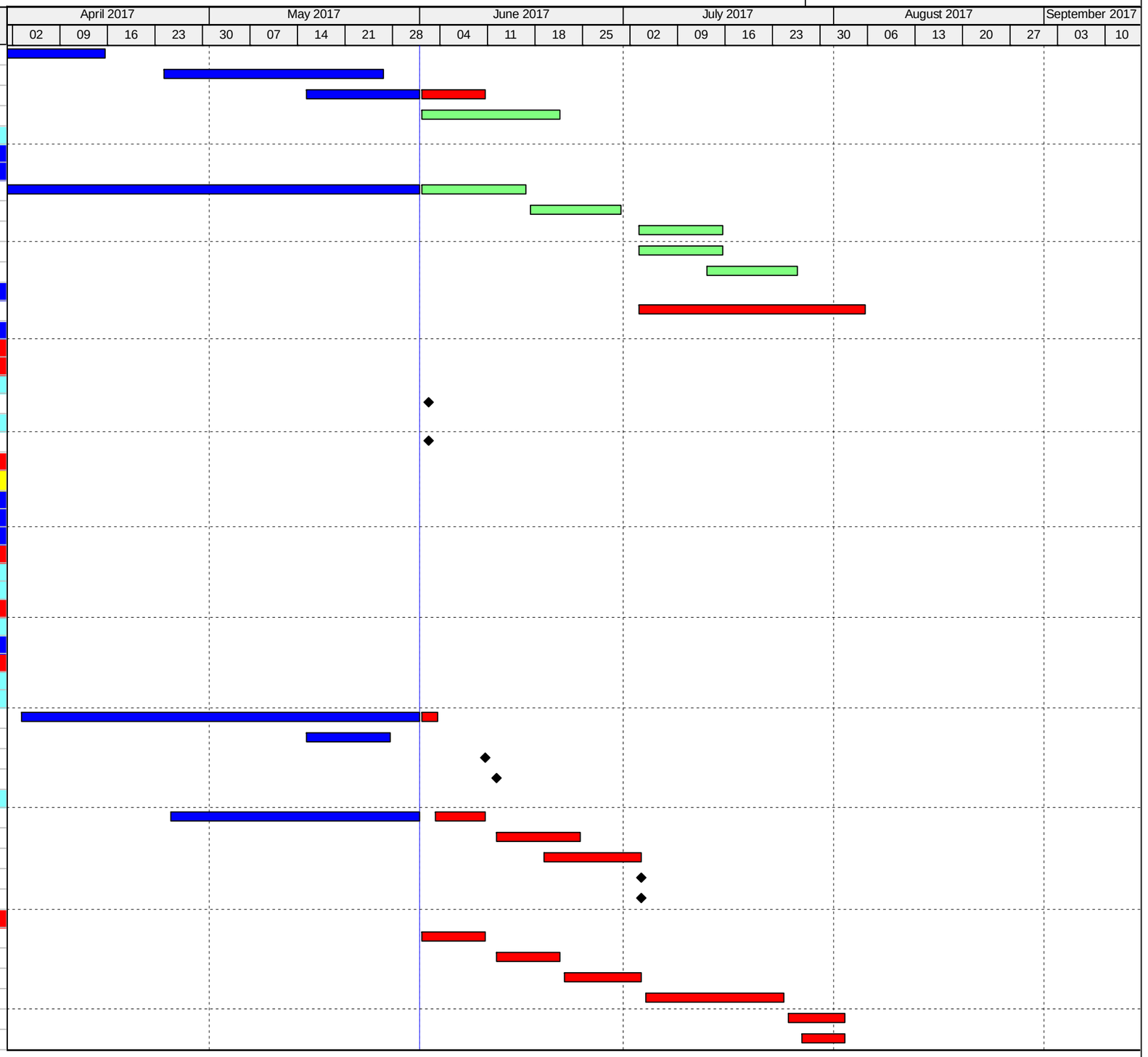
Remaining Level of Effort | Actual Work | Critical Remaining ...
Actual Level of Effort | Remaining Work | Finish Constraint

3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Activity ID	Activity Name
RAB-58-0420	058 - External Render (630m²) (From Bldg 059)
RAB-58-0440	058 - External Tiling (630m²)
RAB-58-0400	058 - Install External Louvers /Windows/Doors
RAB-58-0470	058 - External Painting
At Grade	
Glazed Canopy	
Utilities and Drainage	
RAB-58-7550	058 - Construct Permanent Drainage and Manholes (Approx 100m)
RAB-58-7590	058 - Install FS Water main
RAB-58-7570	058 - Install Flushing Water Mains
RAB-58-7580	058 - Install Fresh Water Mains
RAB-58-7560	058 - Utiltites and Common Telecom Ducting
Testing & Commissioning	
RAB-TC58-1060	058 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 470 Completion)	
BBEO	
VAC (FSD)	
Commencement	
RAB-FSD-0280	058 - Submit Form 314
Completion	
RAB-FSD-370	058 - Submit Form 046 Part IV
Engineer (AECOM)	
Building 059 - Inbound X-Ray Scan Tunnel	
Excavation	
Raft Foundations	
Structure	
Walls	
West	
East	
Roof Slabs	
Cure and Strip	
ABWF/E&M	
Internal Finishes	
Degree 1	
Degree 2	
RAB-59-0630	059 - MEP 2nd Fix
RAB-59-0680	059 - Install Louver & Door Frame (Door Frame by other)
RAB-KD2B10	KD2B - Projected achievement of Stage 2B of the Works
RAB-59-0640	059 - Power On
Degree 3	
RAB-59-0660	059 - MEP Final Fix
RAB-59-0700	059 - Floor Finish (Epoxy Paint)
RAB-59-7560	059 - Snagging and Remedials
RAB-KD2C10	KD2C - Projected achievement of Stage 2C of the Works
RAB-59-7550	059 - End Users and MoM handover inspection
Roof Finishes	
RAB-59-0490	059 - Waterproof Membrane - 885m²
RAB-59-670	059 - Insulation Board - 885m²
RAB-59-0510	059 - Top Screed - 885m²
RAB-59-0540	059 - Install Roof Tiles - 885m²
RAB-59-0560	059 - Install Railing - 152m
RAB-59-0550	059 - Install Cat Ladder and Roof Hatch



Remaining Level of Effort | Actual Work | Critical Remaining ...
Actual Level of Effort | Remaining Work | Finish Constraint

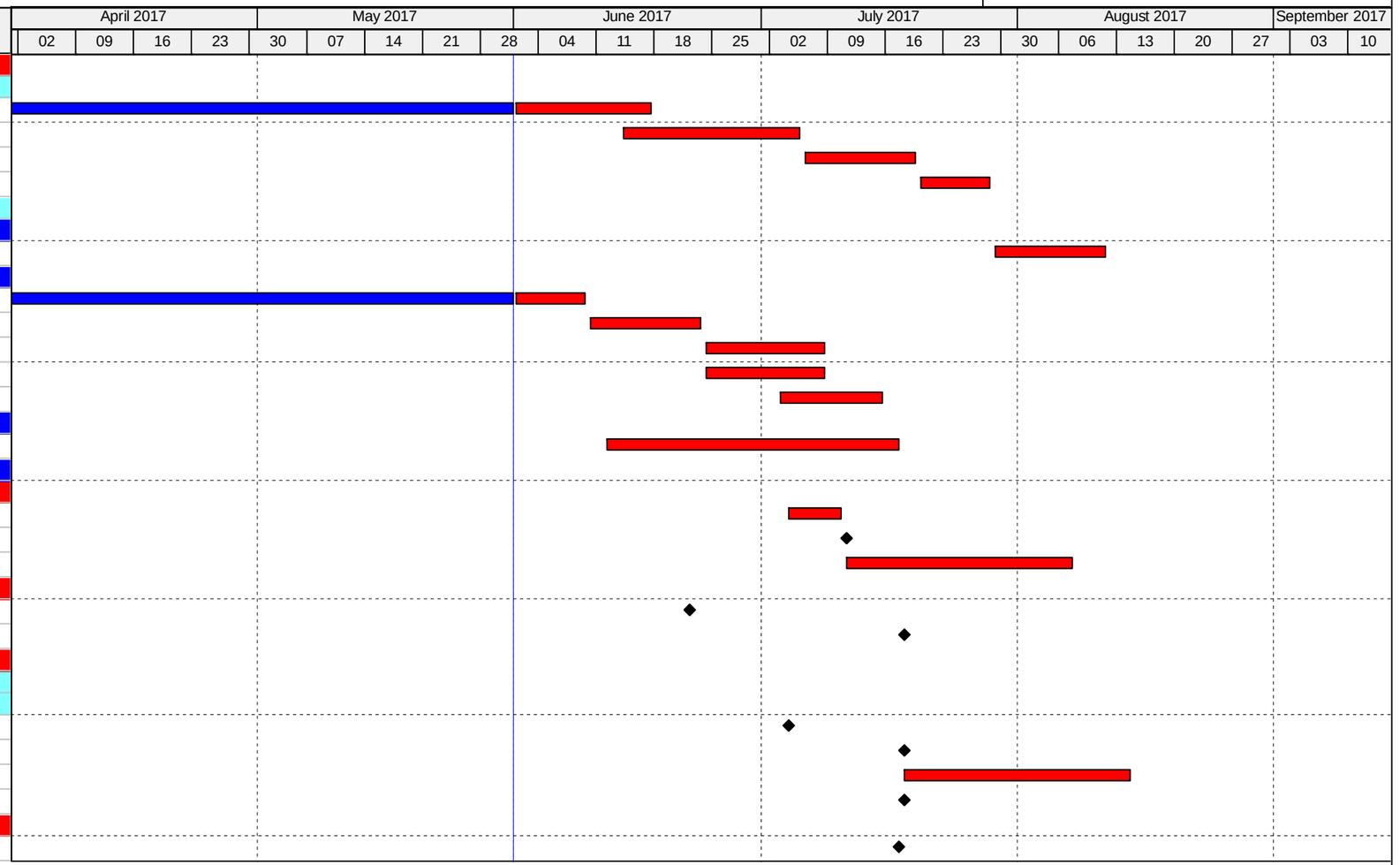
3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities

Activity ID	Activity Name
	External Finishes
	Facade
RAB-59-0430	059 - External Render (630m²)
RAB-59-0480	059 - External Painting
RAB-59-0450	059 - External Tiling (630m²)
RAB-59-0590	059 - Dismantle Scaffolding
	At Grade
	Glazed Canopy
RAB-59-0610	059 - Construct high level glazed canopy at +13.406mPD North
	Utilities and Drainage
RAB-59-7330	059 - Construct Permanent Drainage and Manholes (Approx 100m)
RAB-59-7370	059 - Install FS Water Main
RAB-59-7350	059 - Install Flushing Water Mains
RAB-59-7360	059 - Install Fresh Water Mains
RAB-59-7340	059 - Utiltites and Common Telecom Ducting
	Testing & Commissioning
RAB-TC59-1000	059 - T&C (HVAC, FS, P&D, OTHERS)
	Statutory Submissions & Approvals (Day 470 Completion)
	BBEO
RAB-BEE-480	059 - IRegistered Energy Assessor Inspection & Certification
RAB-BEE-490	059 - ISubmit REA Certification to EDMS
RAB-BEE-500	059 - IEDMS Issue of Cert of Compliance Registration (COCR)
	VAC
RAB-FSD-550	059 - Submit Form 314
RAB-FSD-560	059 - Submit Form 501
	Fire Services Department (FSD)
	Commencement
	Completion
RAB-FSD-530	059 - Submit Form WWO 46 Part IV
RAB-FSD-470	059 - Submit Form 501 to FSD for FS Inspection For Building 059
RAB-FSD-480	059 - FSD Inspection Period For Building 059
RAB-FSD-540	059 - Submit Form WWO 46 Part V
	Engineer (AECOM)
RAB-59-7520	059 - Submit Building 059 As Built Drawings to Engineer



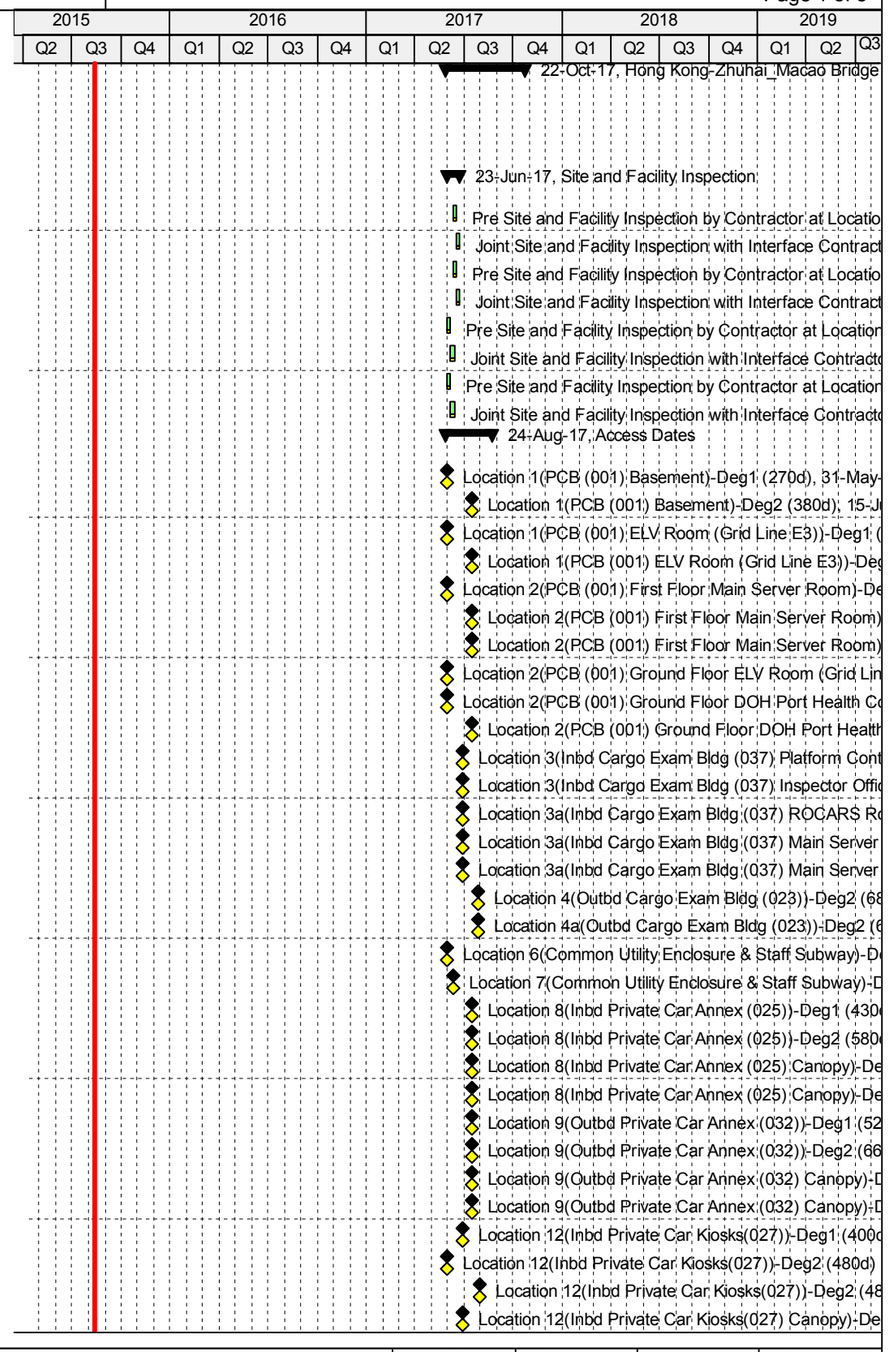
Remaining Level of Effort
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining ...
Finish Constraint

3-Month Rolling Programme Update, 01 June 2017

RAB5

Date	Revision	Checked	Approved
01-Jun-17	3-Month Rolling Programme, 01 Jun-17 Update	SGJ	

Activity ID	Activity Name
	Hong Kong-Zhuhai_Macao Bridge Hong Kong Boundary Crossing F
	Key Dates
	Interface Activities
	Site and Facility Inspection
JS1200	Pre Site and Facility Inspection by Contractor at Location 4 - Deg2
JS1210	Joint Site and Facility Inspection with Interface Contractor at Location 4 - Deg2
JS1620	Pre Site and Facility Inspection by Contractor at Location 14 - Deg2
JS1630	Joint Site and Facility Inspection with Interface Contractor at Location 14 - Deg2
JS1760	Pre Site and Facility Inspection by Contractor at Location 18 - Deg1
JS1770	Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg1
JS1780	Pre Site and Facility Inspection by Contractor at Location 18 - Deg2
JS1790	Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg2
	Access Dates
AD1000	Location 1(PCB (001) Basement)-Deg1 (270d)
AD1010	Location 1(PCB (001) Basement)-Deg2 (380d)
AD1020	Location 1(PCB (001) ELV Room (Grid Line E3))-Deg1 (270d)
AD1030	Location 1(PCB (001) ELV Room (Grid Line E3))-Deg2 (380d)
AD1040	Location 2(PCB (001) First Floor Main Server Room)-Deg1 (330d)
AD1050	Location 2(PCB (001) First Floor Main Server Room)-Deg2 (380d)
AD1060	Location 2(PCB (001) First Floor Main Server Room) - For Server Installation - Deg2 (3
AD1070	Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3)) - Deg1 (330d)
AD1080	Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) -
AD1090	Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) -
AD1130	Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg2 (500d)
AD1150	Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,14
AD1170	Location 3a(Inbd Cargo Exam Bldg (037) ROCARS Room)-Deg2 (480d)
AD1190	Location 3a(Inbd Cargo Exam Bldg (037) Main Server Room)-Deg2 (480d)
AD1200	Location 3a(Inbd Cargo Exam Bldg (037) Main Server Room) - For Server installation -
AD1220	Location 4(Outbd Cargo Exam Bldg (023))-Deg2 (680d)
AD1240	Location 4a(Outbd Cargo Exam Bldg (023))-Deg2 (630d)
AD1270	Location 6(Common Utility Enclosure & Staff Subway)-Deg1 (400d)
AD1290	Location 7(Common Utility Enclosure & Staff Subway)-Deg1 (270d)
AD1300	Location 8(Inbd Private Car Annex (025))-Deg1 (430d)
AD1310	Location 8(Inbd Private Car Annex (025))-Deg2 (580d)
AD1320	Location 8(Inbd Private Car Annex (025) Canopy)-Deg1 (430d)
AD1330	Location 8(Inbd Private Car Annex (025) Canopy)-Deg2 (580d)
AD1340	Location 9(Outbd Private Car Annex (032))-Deg1 (520d)
AD1350	Location 9(Outbd Private Car Annex (032))-Deg2 (660d)
AD1360	Location 9(Outbd Private Car Annex (032) Canopy)-Deg1 (520d)
AD1370	Location 9(Outbd Private Car Annex (032) Canopy)-Deg2 (660d)
AD1501	Location 12(Inbd Private Car Kiosks(027))-Deg1 (400d) Phase 2
AD1510	Location 12(Inbd Private Car Kiosks(027))-Deg2 (480d) Phase 1
AD1511	Location 12(Inbd Private Car Kiosks(027))-Deg2 (480d) Phase 2
AD1521	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg1 (400d) Phase 2



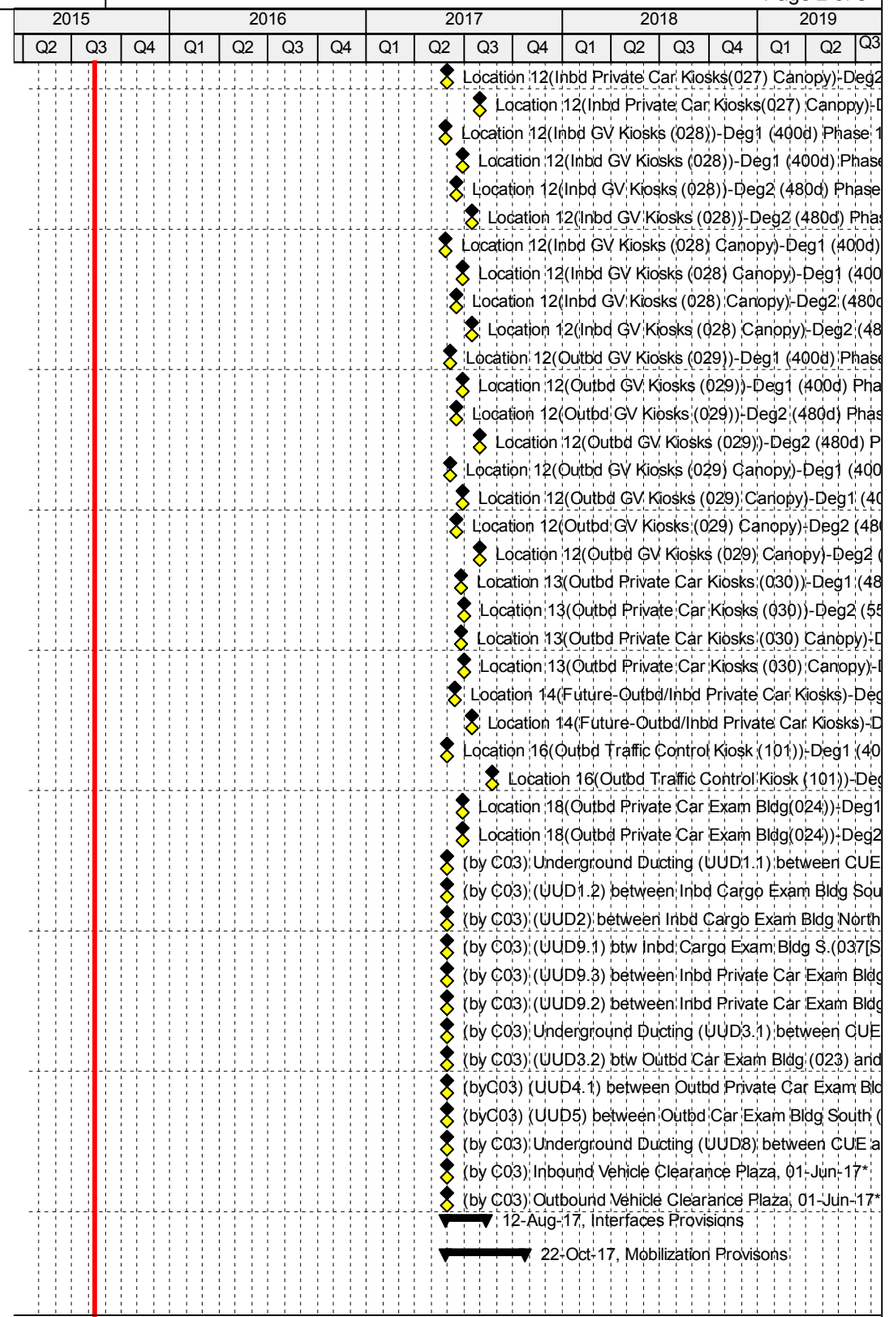
Programme No.: HZMB-DWP
Data Date: 14-Aug-15

Actual Level of Effort
Primary Baseline
Actual Work
Remaining Work
Critical Remaining Work
Baseline Milestone
Milestone
summary

Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing
Facilities - Automatic Vehicle
Clearance Support System (AVCSS)

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC
10-Mar-17	Rev.: 1.0a	WC	LC
5-May-17	Rev.: 1.0b	WC	LC

Activity ID	Activity Name
AD1530	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (480d) Phase 1
AD1531	Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg2 (480d) Phase 2
AD1540	Location 12(Inbd GV Kiosks (028))-Deg1 (400d) Phase 1
AD1541	Location 12(Inbd GV Kiosks (028))-Deg1 (400d) Phase 2
AD1550	Location 12(Inbd GV Kiosks (028))-Deg2 (480d) Phase 1
AD1551	Location 12(Inbd GV Kiosks (028))-Deg2 (480d) Phase 2
AD1560	Location 12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d) Phase 1
AD1561	Location 12(Inbd GV Kiosks (028) Canopy)-Deg1 (400d) Phase 2
AD1570	Location 12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d) Phase 1
AD1571	Location 12(Inbd GV Kiosks (028) Canopy)-Deg2 (480d) Phase 2
AD1580	Location 12(Outbd GV Kiosks (029))-Deg1 (400d) Phase 1
AD1581	Location 12(Outbd GV Kiosks (029))-Deg1 (400d) Phase 2
AD1590	Location 12(Outbd GV Kiosks (029))-Deg2 (480d) Phase 1
AD1591	Location 12(Outbd GV Kiosks (029))-Deg2 (480d) Phase 2
AD1600	Location 12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d) Phase 1
AD1601	Location 12(Outbd GV Kiosks (029) Canopy)-Deg1 (400d) Phase 2
AD1610	Location 12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d) Phase 1
AD1611	Location 12(Outbd GV Kiosks (029) Canopy)-Deg2 (480d) Phase 2
AD1620	Location 13(Outbd Private Car Kiosks (030))-Deg1 (480d) Phase 1
AD1630	Location 13(Outbd Private Car Kiosks (030))-Deg2 (550d) Phase 1
AD1640	Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg1 (480d) Phase 1
AD1650	Location 13(Outbd Private Car Kiosks (030) Canopy)-Deg2 (550d) Phase 1
AD1660	Location 14(Future-Outbd/Inbd Private Car Kiosks)-Deg1 (610d)
AD1670	Location 14(Future-Outbd/Inbd Private Car Kiosks)-Deg2 (680d)
AD1700	Location 16(Outbd Traffic Control Kiosk (101))-Deg1 (400d)
AD1710	Location 16(Outbd Traffic Control Kiosk (101))-Deg2 (480d)
AD1740	Location 18(Outbd Private Car Exam Bldg(024))-Deg1 (-)
AD1750	Location 18(Outbd Private Car Exam Bldg(024))-Deg2 (670d)
AD1780	(by C03) Underground Ducting (UUD1.1) between CUE and Inbd Cargo Exam Bldg (0
AD1790	(by C03) (UUD1.2) between Inbd Cargo Exam Bldg South (037[S]) and DOH Cargo C
AD1800	(by C03) (UUD2) between Inbd Cargo Exam Bldg North (037[N]) and Inbd Vehicle Cle
AD1810	(by C03) (UUD9.1) btw Inbd Cargo Exam Bldg S.(037[S]) & Inbd PC Exam Bldg(033) &
AD1820	(by C03) (UUD9.3) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clear
AD1830	(by C03) (UUD9.2) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clear
AD1840	(by C03) Underground Ducting (UUD3.1) between CUE to Outbd Cargo Exam Bldg (0
AD1850	(by C03) (UUD3.2) btw Outbd Car Exam Bldg (023) and Outbd PC Exam Bldg (024) an
AD1860	(byC03) (UUD4.1) between Outbd Private Car Exam Bldg (024) and Outbd Vehicle Cle
AD1870	(byC03) (UUD5) between Outbd Car Exam Bldg South (023[S]) and Outbd Vehicle Cle
AD1880	(by C03) Underground Ducting (UUD8) between CUE and Outbd PCA (032)
AD1910	(by C03) Inbound Vehicle Clearance Plaza
AD1920	(by C03) Outbound Vehicle Clearance Plaza
	Interfaces Provisions
	Mobilization Provisons
	WA4 Site Erection & Servicing



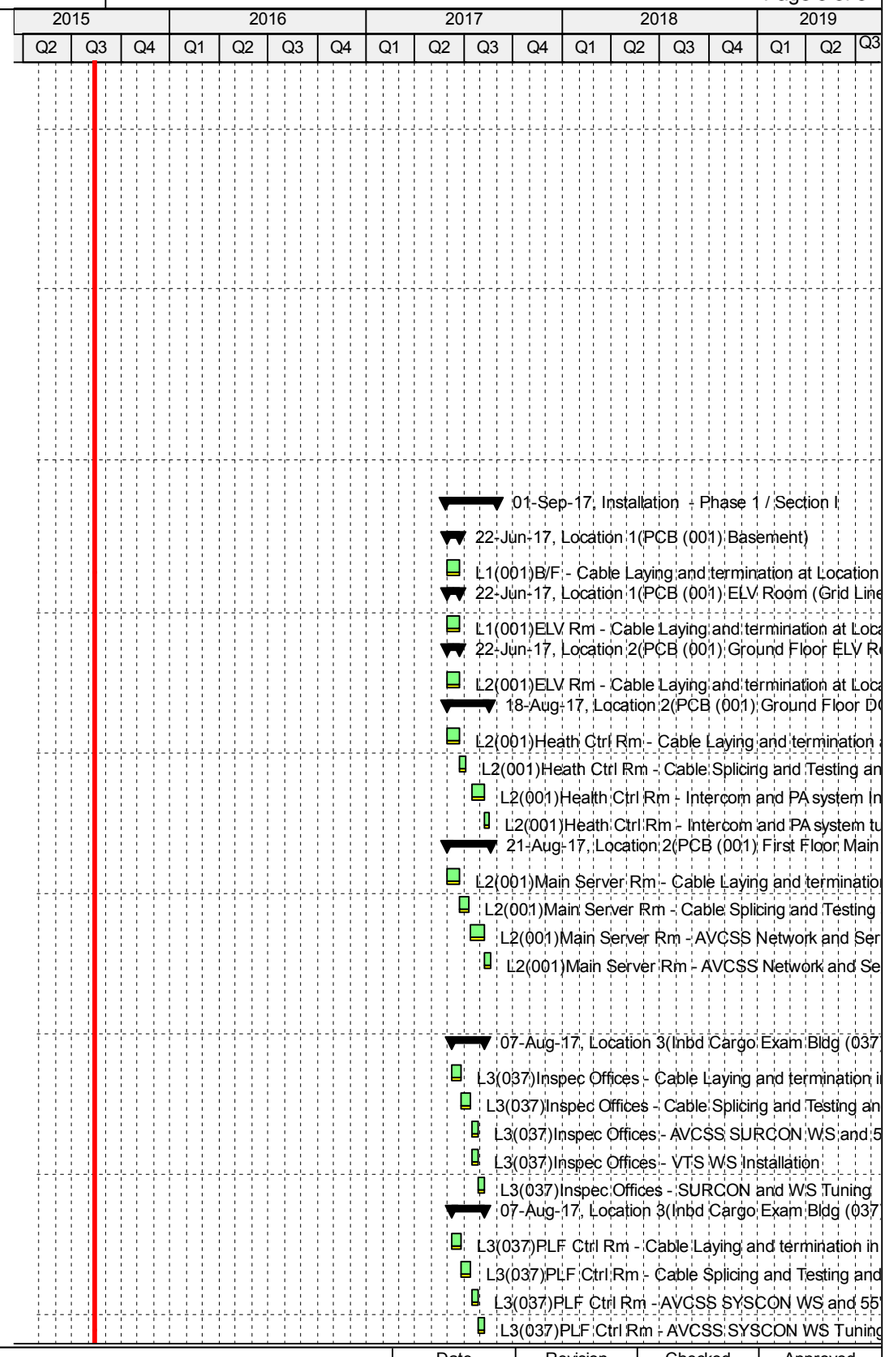
Programme No.: HZMB-DWP
Data Date: 14-Aug-15

Actual Level of Effort
Primary Baseline
Actual Work
Remaining Work
Critical Remaining Work
Baseline Milestone
Milestone
summary

Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)

Date	Revision	Checked	Approved
14-Nov-16	Rev.: 0	WC	LC
10-Mar-17	Rev.: 1.0a	WC	LC
5-May-17	Rev.: 1.0b	WC	LC

Activity ID	Activity Name
	Detailed Design Specification
	Contruction Design and Management
	Supply/Manufacture Mock-up items
	Supply/Manufacture prototypes
	Software Design, Coding and Testing
	Coding
	Software System Inetgration
	Prototype & Software Simulation Tests
	Procurement - Phase 1 / Section I
	Supply/Manufacture products for FAT
	Factory Acceptance Test (FAT)
	Supply/Manufacture Equipment
	Delivery and Bench Acceptance Test for Phase 1/ Section I
	Installation - Phase 1 / Section I
	Location 1(PCB (001) Basement)
EM1920	L1(001)B/F - Cable Laying and termination at Location 1 and Location 2
	Location 1(PCB (001) ELV Room (Grid Line E3))
EM1940	L1(001)ELV Rm - Cable Laying and termination at Location 1 and Location 2
	Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3))
EM1960	L2(001)ELV Rm - Cable Laying and termination at Location 1 and Location 2
	Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5))
EM1080	L2(001)Heath Ctrl Rm - Cable Laying and termination at Location 1 and Location 2
EM1100	L2(001)Heath Ctrl Rm - Cable Splicing and Testing and Labeling
EM1120	L2(001)Health Ctrl Rm - Intercom and PA system Installation
EM1140	L2(001)Heath Ctrl Rm - Intercom and PA system tuning
	Location 2(PCB (001) First Floor Main Server Room)
EM1000	L2(001)Main Server Rm - Cable Laying and termination at Location 1 and Location 2
EM1020	L2(001)Main Server Rm - Cable Splicing and Testing and Labeling
EM1040	L2(001)Main Server Rm - AVCSS Network and Server Installation
EM1060	L2(001)Main Server Rm - AVCSS Network and Server Tuning
	Location 3(Inbd Cargo Exam Bldg (037) MDF Room)
	Location 3(Inbd Cargo Exam Bldg (037) ELV Room)
	LLooccaattiioonn 33((IInbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,12
EM2020	L3(037)Inspec Offices - Cable Laying and termination in Location 3 and Location 3a
EM2040	L3(037)Inspec Offices - Cable Splicing and Testing and Labeling
EM2060	L3(037)Inspec Offices - AVCSS SURCON WS and 55" LCD Installation
EM2080	L3(037)Inspec Offices - VTS WS Installation
EM2100	L3(037)Inspec Offices - SURCON and WS Tuning
	Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)
EM1160	L3(037)PLF Ctrl Rm - Cable Laying and termination in Location 3 and Location 3a
EM1180	L3(037)PLF Ctrl Rm - Cable Splicing and Testing and Labeling
EM1200	L3(037)PLF Ctrl Rm - AVCSS SYSCON WS and 55" TV Wall Installation
EM1220	L3(037)PLF Ctrl Rm - AVCSS SYSCON WS Tuning



Programme No.: HZMB-DWP
Data Date: 14-Aug-15

Actual Level of Effort
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Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing
Facilities - Automatic Vehicle
Clearance Support System (AVCSS)

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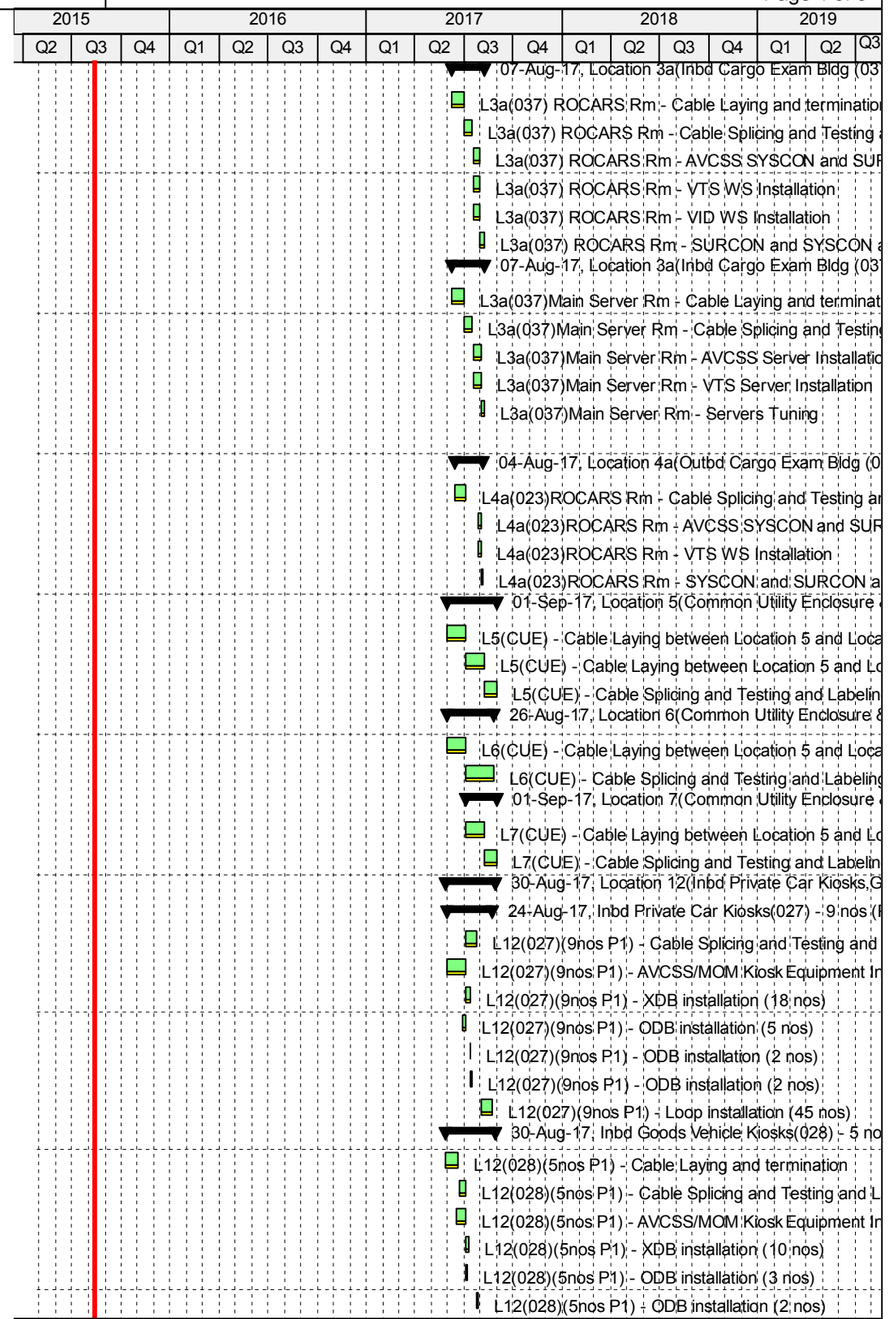
14-Nov-16	Rev.: 0	WC	LC
10-Mar-17	Rev.: 1.0a	WC	LC
5-May-17	Rev.: 1.0b	WC	LC

Activity ID	Activity Name
	Location 3a(Inbd Cargo Exam Bldg (037) ROCARS Room)
EM1240	L3a(037) ROCARS Rm - Cable Laying and termination in Location 3 and Location 3a
EM1260	L3a(037) ROCARS Rm - Cable Splicing and Testing and Labeling
EM1280	L3a(037) ROCARS Rm - AVCSS SYSCON and SURCON and Intercom Installation
EM1300	L3a(037) ROCARS Rm - VTS WS Installation
EM1320	L3a(037) ROCARS Rm - VID WS Installation
EM1340	L3a(037) ROCARS Rm - SURCON and SYSCON and WS Tuning
	Location 3a(Inbd Cargo Exam Bldg (037) Main Server Room)
EM2120	L3a(037)Main Server Rm - Cable Laying and termination in Location 3 and Location 3a
EM2140	L3a(037)Main Server Rm - Cable Splicing and Testing and Labeling
EM2160	L3a(037)Main Server Rm - AVCSS Server Installation
EM2180	L3a(037)Main Server Rm - VTS Server Installation
EM2200	L3a(037)Main Server Rm - Servers Tuning
	Location 4(Outbd Cargo Exam Bldg (023) MDF Room)
	Location 4a(Outbd Cargo Exam Bldg (023) ROCARS Room)
EM2240	L4a(023)ROCARS Rm - Cable Splicing and Testing and Labeling
EM2260	L4a(023)ROCARS Rm - AVCSS SYSCON and SURCON and Intercom Installation
EM2280	L4a(023)ROCARS Rm - VTS WS Installation
EM2300	L4a(023)ROCARS Rm - SYSCON and SURCON and WS Tuning
	Location 5(Common Utility Enclosure & Staff Subway)
EM2341	L5(CUE) - Cable Laying between Location 5 and Location 6
EM2361	L5(CUE) - Cable Laying between Location 5 and Location 7
EM2380	L5(CUE) - Cable Splicing and Testing and Labeling
	Location 6(Common Utility Enclosure & Staff Subway)
EM2400	L6(CUE) - Cable Laying between Location 5 and Location 6
EM2420	L6(CUE) - Cable Splicing and Testing and Labeling
	Location 7(Common Utility Enclosure & Staff Subway)
EM2440	L7(CUE) - Cable Laying between Location 5 and Location 7
EM2460	L7(CUE) - Cable Splicing and Testing and Labeling
	Location 12(Inbd Private Car Kiosks,GV Kiosks (027,028,029))
	Inbd Private Car Kiosks(027) - 9 nos (Phase 1)
EM1500	L12(027)(9nos P1) - Cable Splicing and Testing and Labeling
EM1520	L12(027)(9nos P1) - AVCSS/MOM Kiosk Equipment Installation (9 nos)
EM1541	L12(027)(9nos P1) - XDB installation (18 nos)
EM1542	L12(027)(9nos P1) - ODB installation (5 nos)
EM1543	L12(027)(9nos P1) - ODB installation (2 nos)
EM1544	L12(027)(9nos P1) - ODB installation (2 nos)
EM1560	L12(027)(9nos P1) - Loop installation (45 nos)
	Inbd Goods Vehicle Kiosks(028) - 5 nos (Phase 1)
EM1620	L12(028)(5nos P1) - Cable Laying and termination
EM1640	L12(028)(5nos P1) - Cable Splicing and Testing and Labeling
EM1660	L12(028)(5nos P1) - AVCSS/MOM Kiosk Equipment Installation (5 nos)
EM1681	L12(028)(5nos P1) - XDB installation (10 nos)
EM1682	L12(028)(5nos P1) - ODB installation (3 nos)
EM1683	L12(028)(5nos P1) - ODB installation (2 nos)



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Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing
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Activity ID	Activity Name
EM1700	L12(028)(5nos P1) - AIOP Installation (5 nos)
EM1720	L12(028)(5nos P1) - Loop installation (25 nos)
Outbd Goods Vehicle Kiosks(029) - 5 nos (Phase 1)	
EM1740	L12(029)(5nos P1) - Cable Containment in Kiosks
EM1760	L12(029)(5nos P1) - Cable Laying and termination
EM1780	L12(029)(5nos P1) - Cable Splicing and Testing and Labeling
EM1800	L12(029)(5nos P1) - AVCSS/MOM Kiosk Equipment Installation (5 nos)
EM1821	L12(029)(5nos P1) - XDB installation (5 nos)
EM1822	L12(029)(5nos P1) - ODB installation (4 nos)
EM1823	L12(029)(5nos P1) - ODB installation (1 nos)
EM1840	L12(029)(5nos P1) - AIOP Installation (5 nos)
Location 13(Outbd Private Car Kiosks (030)) - 9 nos (Phase 1)	
EM2520	L13(030)(9nos P1) - Cable Containment in Kiosks
EM2540	L13(030)(9nos P1) - Cable Laying and termination
EM2560	L13(030)(9nos P1) - Cable Splicing and Testing and Labeling
EM2580	L13(030)(9nos P1) - AVCSS/MOM Kiosk Equipment Installation (9 nos)
EM2601	L13(030)(9nos P1) - XDB installation (9 nos)
EM2602	L13(030)(9nos P1) - ODB installation (7 nos)
Location 14(Future-Outbd/Inbd Private Car Kiosks) - 6+6 nos	
EM1440	L14 - Cable Laying and termination at ELV Room in CUE
Location 15(Inbd Traffic Control Kiosk (100))	
Location 16(Outbd Traffic Control Kiosk (101))	
EM2760	L16(101) - Cable Laying and termination
EM2780	L16(101) - Cable Splicing and Testing and Labeling
EM2800	L16(101) - AVCSS SYSCON and SURCON Installation
EM2820	L16(101) - VTS WS and 55" LCD Installation
Location 17(Inbd Private Car Exam Bldg(033) Operational Office)	
Location 18 (Outbd Private Car Exam Bldg(024) Operational Office)	
EM2940	L18(024) - Cable Laying and termination
EM2960	L18(024) - Cable Splicing and Testing and Labeling
EM2980	L18(024) - AVCSS SURCON and 55" LCD Installation
EM3000	L18(024) - SURCON Tuning
Location 19 (DOH Cargo Clearance Bldg(043))	
EM1360	L19(043) - Cable Laying and termination
EM1380	L19(043) - Cable Splicing and Testing and Labeling
EM1400	L19(043) - PA and Intercom Installation
EM1420	L19(043) - PA and Intercom Tuning
Inbd Vehicle Clearance Plaza - 8 nos VID, 7 nos VTS, 4 nos TLS	
EM3020	Inbound VID cabling from pillar box to VID field equipment
EM3040	Inbound VTS cabling from pillar box to VTS field equipment
EM3060	Inbound TLS cabling from pillar box to TLS field equipment
EM3080	Inbound VID field equipment installation (8 VID)
EM3100	Inbound VTS field equipment installation (4 RFID + 3 Cameras)
EM3120	Inbound TLS field equipment installation (4 TLS)
EM3140	Inbound VID and VTS and TLS field equipment tuning

Programme No.: HZMB-DWP
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- summary

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Activity ID	Activity Name
	Outbd Vehicle Clearance Plaza - 8 nos VID, 6 nos VTS, 4 nos TLS
EM3160	Outbound VID cabling from pillar box to VID field equipment
EM3180	Outbound VTS cabling from pillar box to VTS field equipment
EM3200	Outbound TLS cabling from pillar box to TLS field equipment
EM3220	Outbound VID field equipment installation (8 VID)
EM3240	Outbound VTS field equipment installation (3 RFID + 3 Cameras)
EM3260	Outbound TLS field equipment installation (4 TLS)
EM3280	Outbound VID and VTS and TLS field equipment tuning
	Underground Ducting (UUD1.1) between CUE and Inbd Cargo Exam Bldg (037)
UD1000	(UUD1.1 [CUE-037]) - Cable laying and termination
	(UUD1.2) between Inbd Cargo Exam Bldg South (037[S]) and DOH Cargo Clearance Bl
UD1060	(UUD1.2 [037[S]-043]) - Cable laying and termination
	Underground Ducting (UUD6) between CUE and Shuttle Bus Kiosk (006) and Inbd Priv
	(UUD9.1) btw IB Cargo Exam Bldg South(037[S]) & IB PC Exam Bldg(033) & IB Traffic
UD1040	(UUD9.1 [037[S]-033-100) - Cable laying and termination
	(UUD2) between Inbd Cargo Exam Bldg North (037[N]) to Inbd VCP
UD1010	(UUD2 [037[N]-IB VCP]) - Cable laying and termination
	(UUD9.3) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearance Plaza
UD1070	(UUD9.3 [033-IB VCP[W]) - Cable laying and termination
	(UUD9.2) between Inbd Private Car Exam Bldg (033) and Inbd Vehicle Clearance Plaza
UD1020	(UUD9.2 [033-IB VCP[E]) - Cable laying and termination
	Underground Ducting (UUD7) between PCB(001) and Inbd Coach Kiosks(010)
	Underground Ducting (UUD3.1) between CUE and Outbd Cargo Exam Bldg (023)
UD1030	(UUD3.1 [CUE-023]) - Cable laying and termination
	(UUD3.2) btw OB Car Exam Bldg(023) & OB PC Exam Bldg(024) & OB Traffic Control I
UD1050	(UUD3.2 [023-024-101]) - Cable laying and termination
	Underground Ducting (UUD8) between CUE and Outbd PCA (032)
UD1100	(UUD8 [CUE-032]) - Cable laying and termination
	(UUD4.1) between Outbd PC Exam Bldg (024) and Outbd Vehicle Clearance Plaza
UD1080	(UUD4.1 [024-OB VCP]) - Cable laying and termination
	(UUD5) between Outbd Car Exam Bldg (023[S]) and Outbd Vehicle Clearance Plaza
UD1090	(UUD5 [023[S]-OB VCP]) - Cable laying and termination
	Initial On-Site Test and Commissioning / Pre-SAT (Phase 1 / Section I)
	Site Acceptance Test (Phase 1 / Section I)
	Security Risk Assessment and Audit
	Operability Period Test (Phase 1 / Section I)
	Completion (Phase 1 /Section I)
	Training and Document (Phase 1 /Section I)
	Operation (Phase 1 /Section I)
	Engineering Support for Phase 1 / Section I
	Procurement - Phase 2 / Section II
	Delivery and Bench Acceptance Test for Phase 2/Section II
	Installation - Phase 2 / Section II

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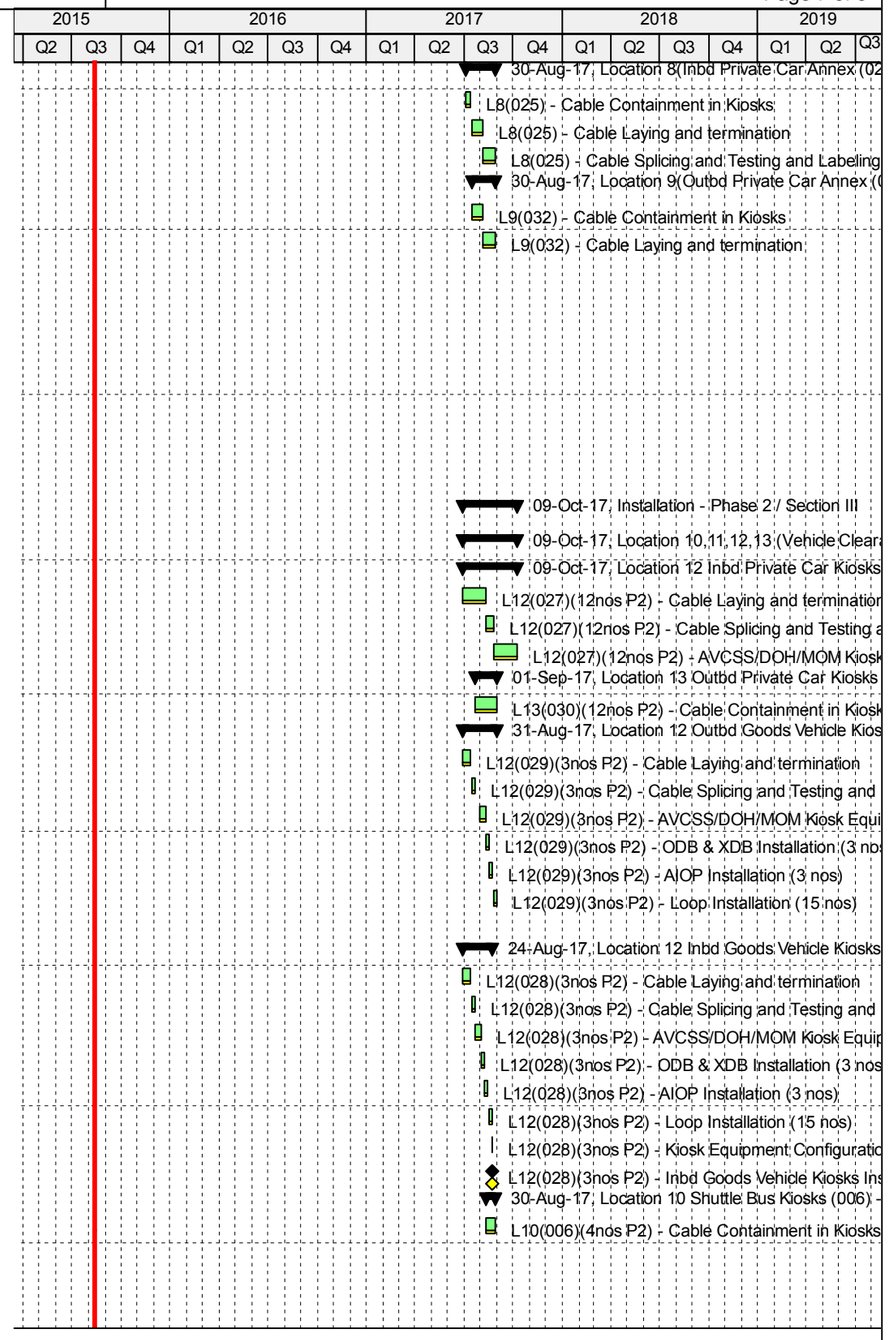
Activity ID	Activity Name
	Location 8(Inbd Private Car Annex (025)) (Phase 2)
EM3370	L8(025) - Cable Containment in Kiosks
EM3380	L8(025) - Cable Laying and termination
EM3400	L8(025) - Cable Splicing and Testing and Labeling
	Location 9(Outbd Private Car Annex (032)) (Phase 2)
EM3500	L9(032) - Cable Containment in Kiosks
EM3520	L9(032) - Cable Laying and termination
	Initial On-Site Test and Commissioning / Pre-SAT (Phase 2 / Section II)
	Site Acceptance Test (Phase 2 / Section II)
	Operability Period Test (Phase 2 / Section II)
	Completion (Phase 2 / Section II)
	Engineering Support for Phase 2 / Section II
	Procurement for Phase2 / Section III
	Delivery and Bench Acceptance Test for Phase2 / Section III
	Installation - Phase 2 / Section III
	Location 10,11,12,13 (Vehicle Clearance Kiosks)
	Location 12 Inbd Private Car Kiosks (027) - 12 nos (Phase 2)
EM4440	L12(027)(12nos P2) - Cable Laying and termination
EM4460	L12(027)(12nos P2) - Cable Splicing and Testing and Labeling
EM4480	L12(027)(12nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (12 nos)
	Location 13 Outbd Private Car Kiosks (030) - 12 nos (Phase 2)
EM4560	L13(030)(12nos P2) - Cable Containment in Kiosks
	Location 12 Outbd Goods Vehicle Kiosks (029) - 3 nos (Phase 2)
EM4880	L12(029)(3nos P2) - Cable Laying and termination
EM4900	L12(029)(3nos P2) - Cable Splicing and Testing and Labeling
EM4920	L12(029)(3nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)
EM4940	L12(029)(3nos P2) - ODB & XDB Installation (3 nos)
EM4960	L12(029)(3nos P2) - AIOP Installation (3 nos)
EM4980	L12(029)(3nos P2) - Loop Installation (15 nos)
	Location 11 Outbd Coach Kiosks (009) - 4 nos (Phase 2)
	Location 12 Inbd Goods Vehicle Kiosks (028) - 3 nos (Phase 2)
EM4720	L12(028)(3nos P2) - Cable Laying and termination
EM4740	L12(028)(3nos P2) - Cable Splicing and Testing and Labeling
EM4760	L12(028)(3nos P2) - AVCSS/DOH/MOM Kiosk Equipment Installation (3 nos)
EM4780	L12(028)(3nos P2) - ODB & XDB Installation (3 nos)
EM4800	L12(028)(3nos P2) - AIOP Installation (3 nos)
EM4820	L12(028)(3nos P2) - Loop Installation (15 nos)
EM4840	L12(028)(3nos P2) - Kiosk Equipment Configuration (3 nos)
EM5120	L12(028)(3nos P2) - Inbd Goods Vehicle Kiosks Installation Complete
	Location 10 Shuttle Bus Kiosks (006) - 4 nos (Phase 2)
EM4000	L10(006)(4nos P2) - Cable Containment in Kiosks
	Location 11 Inbd Coach Kiosks (010) - 2 nos (Phase 2)-1
	Location 11 Inbd Coach Kiosks (010) - 2 nos (Phase 2)-2
	Initial On-Site Test and Commissioning / Pre-SAT (Phase 2 / Section III)



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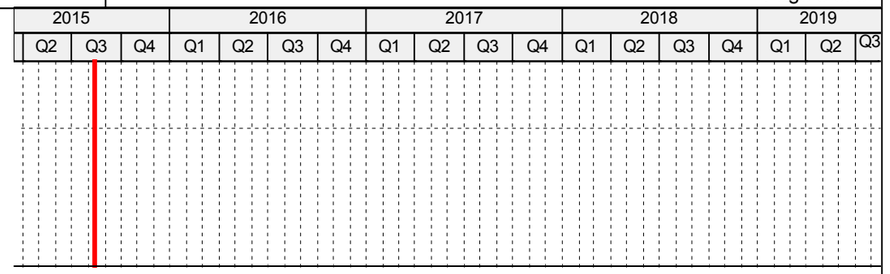
Activity ID	Activity Name
	Site Acceptance Test (Phase 2 / Section III)
	Operability Period Test (Phase 2 / Section III)
	Completion (Phase 2 / Section III)
	Operation (Phase 2 / Section III)
	Defect Liability Period (DLP)
	Document Submission (Phase 2 / Section III)



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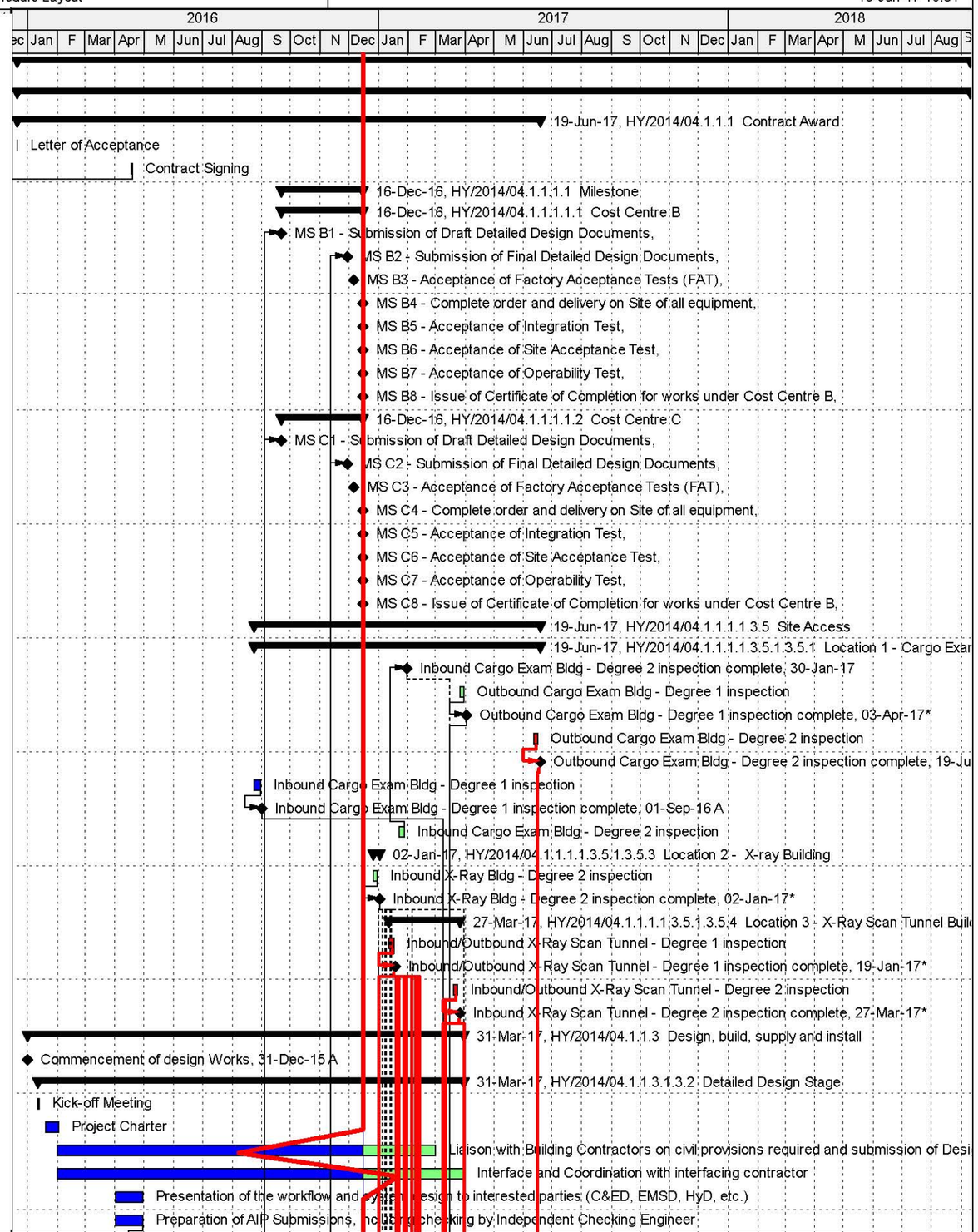
Activity ID	Activity Name
HY/2014/04	Hong Kong-Zhuhai-Macao Brid
HY/2014/04.1	Contract No. HY/2014/04 Hong
HY/2014/04.1.1.1	Contract Award
3	Letter of Acceptance
4	Contract Signing
HY/2014/04.1.1.1.1	Milestone
HY/2014/04.1.1.1.1.1	Cost Centre B
A1(	MS B1 - Submission of Draft Detailed Design Do
A1(	MS B2 - Submission of Final Detailed Design Do
A1(	MS B3 - Acceptance of Factory Acceptance Test
A1(	MS B4 - Complete order and delivery on Site of a
A1(	MS B5 - Acceptance of Integration Test
A1(	MS B6 - Acceptance of Site Acceptance Test
A1(	MS B7 - Acceptance of Operability Test
A1(	MS B8 - Issue of Certificate of Completion for wc
HY/2014/04.1.1.1.1.2	Cost Centre C
A1(	MS C1 - Submission of Draft Detailed Design Do
A11	MS C2 - Submission of Final Detailed Design Do
A11	MS C3 - Acceptance of Factory Acceptance Tes
A11	MS C4 - Complete order and delivery on Site of a
A11	MS C5 - Acceptance of Integration Test
A11	MS C6 - Acceptance of Site Acceptance Test
A11	MS C7 - Acceptance of Operability Test
A11	MS C8 - Issue of Certificate of Completion for wc
HY/2014/04.1.1.1.1.3.5	Site Access
HY/2014/04.1.1.1.1.3.5.1.3.5.1	Location 1 - Cargo Exar
100	Inbound Cargo Exam Bldg - Degree 2 inspection
102	Outbound Cargo Exam Bldg - Degree 1 inspection
103	Outbound Cargo Exam Bldg - Degree 1 inspectic
104	Outbound Cargo Exam Bldg - Degree 2 inspection
105	Outbound Cargo Exam Bldg - Degree 2 inspectic
97	Inbound Cargo Exam Bldg - Degree 1 inspection
98	Inbound Cargo Exam Bldg - Degree 1 inspection
99	Inbound Cargo Exam Bldg - Degree 2 inspection
HY/2014/04.1.1.1.1.3.5.1.3.5.3	Location 2 - X-ray Build
107	Inbound X-Ray Bldg - Degree 2 inspection
108	Inbound X-Ray Bldg - Degree 2 inspection comp
HY/2014/04.1.1.1.1.3.5.1.3.5.4	Location 3 - X-Ray Scar
110	Inbound/Outbound X-Ray Scan Tunnel - Degree
111	Inbound/Outbound X-Ray Scan Tunnel - Degree
112	Inbound/Outbound X-Ray Scan Tunnel - Degree
113	Inbound X-Ray Scan Tunnel - Degree 2 inspectic
HY/2014/04.1.1.3	Design, build, supply and install
28	Commencement of design Works
HY/2014/04.1.1.3.1.3.2	Detailed Design Stage
30	Kick-off Meeting
31	Project Charter
32	Liaison with Building Contractors on civil provisio
33	Interface and Coordination with interfacing contra
35	Presentation of the workflow and system design
36	Preparation of AIP Submissions, including checki



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TASK filter: All Activities

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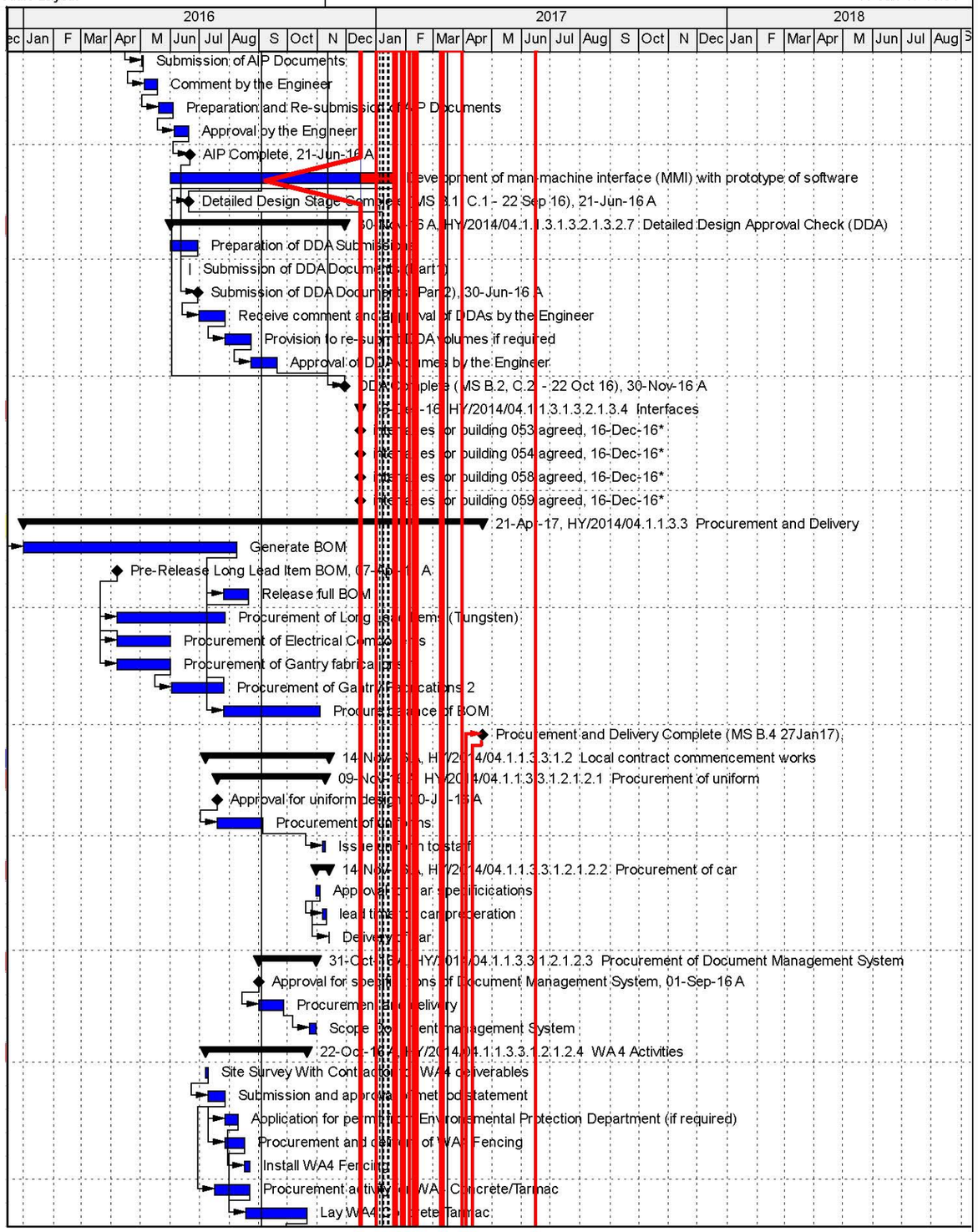
Activity ID	Activity Name
37	Submission of AIP Documents
38	Comment by the Engineer
39	Preparation and Re-submission of AIP Documents
40	Approval by the Engineer
41	AIP Complete
42	Development of man-machine interface (MMI) wi
51	Detailed Design Stage Complete (MS B.1, C.1 - 2
HY/2014/04.1.1.3.1.3.2.1.3.2.7	Detailed Design Approv
44	Preparation of DDA Submissions
45	Submission of DDA Documents (Part1)
46	Submission of DDA Documents (Part2)
47	Receive comment and approval of DDAs by the E
48	Provision to re-submit DDA volumes if required
49	Approval of DDA volumes by the Engineer
50	DDA Complete (MS B.2, C.2 - 22 Oct 16)
HY/2014/04.1.1.3.1.3.2.1.3.4	Interfaces
91	interfaces for building 053 agreed
92	interfaces for building 054 agreed
93	interfaces for building 058 agreed
94	interfaces for building 059 agreed
HY/2014/04.1.1.3.3	Procurement and Delivery
53	Generate BOM
54	Pre-Release Long Lead Item BOM
55	Release full BOM
56	Procurement of Long Lead Items (Tungsten)
57	Procurement of Electrical Components
58	Procurement of Gantry fabrications 1
59	Procurement of Gantry Fabrications 2
60	Procure balance of BOM
89	Procurement and Delivery Complete (MS B.4 27
HY/2014/04.1.1.3.3.1.2	Local contract commencement v
HY/2014/04.1.1.3.3.1.2.1.2.1	Procurement of uniform
7	Approval for uniform design
8	Procurement of uniforms
9	Issue uniform to staff
HY/2014/04.1.1.3.3.1.2.1.2.2	Procurement of car
11	Approval for car specificications
12	lead time for car preperation
13	Delivery of car
HY/2014/04.1.1.3.3.1.2.1.2.3	Procurement of Documer
15	Approval for specifications of Document Manage
16	Procurement and delivery
17	Scope Document management System
HY/2014/04.1.1.3.3.1.2.1.2.4	WA 4 Activities
19	Site Survey With Contractor for WA4 deliverables
20	Submission and approval of method statement
21	Application for permit from Environemental Prote
22	Procurement and delivery of WA4 Fencing
23	Install WA4 Fencing
24	Procurement activity for WA4 Concrete/Tarmac
25	Lay WA4 Concrete/Tarmac



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TASK filter: All Activities

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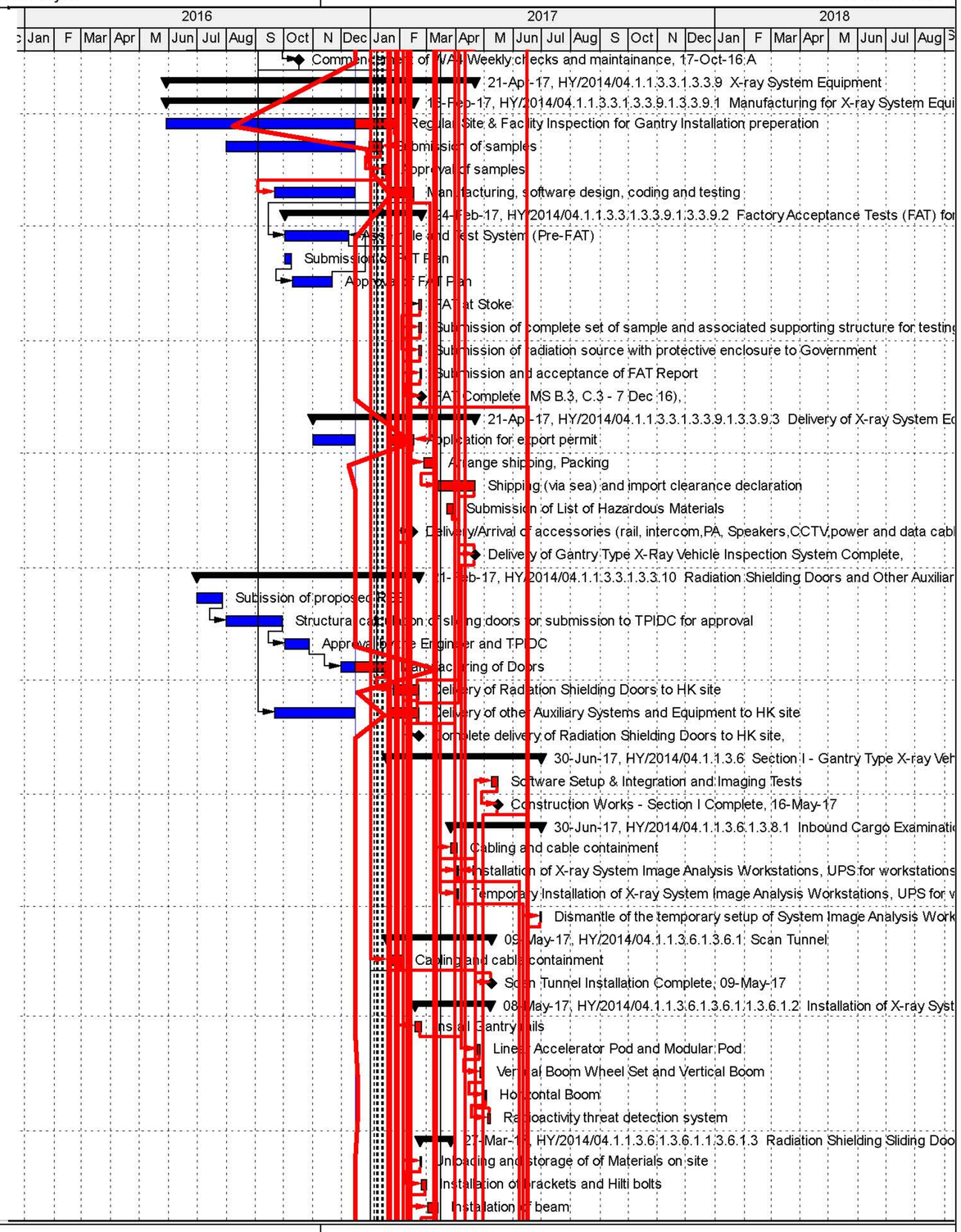
Activity ID	Activity Name
26	Commencement of WA4 Weekly checks and ma
HY/2014/04.1.1.3.3.1.3.3.9	X-ray System Equipment
HY/2014/04.1.1.3.3.1.3.3.9.1.3.3.9.1	Manufacturing for
63	Regular Site & Facility Inspection for Gantry Inste
64	Submission of samples
65	Approval of samples
66	Manufacturing, software design, coding and testin
HY/2014/04.1.1.3.3.1.3.3.9.1.3.3.9.2	Factory Acceptanc
68	Assemble and Test System (Pre-FAT)
69	Submission of FAT Plan
69.5	Approval of FAT Plan
70	FAT at Stoke
71	Submission of complete set of sample and assoc
72	Submission of radiation source with protective er
73	Submission and acceptance of FAT Report
74	FAT Complete (MS B.3, C.3 - 7 Dec 16)
HY/2014/04.1.1.3.3.1.3.3.9.1.3.3.9.3	Delivery of X-ray S
76	Application for export permit
77	Arrange shipping, Packing
78	Shipping (via sea) and import clearance declaratio
79	Submission of List of Hazardous Materials
80	Delivery/Arrival of accessories (rail, intercom,PA,
81	Delivery of Gantry Type X-Ray Vehicle Inspection
HY/2014/04.1.1.3.3.1.3.3.10	Radiation Shielding Doors a
83	Subission of proposed RSE
84	Structural calculation of sliding doors for submiss
85	Approval by the Engineer and TPIDC
86	Manufacturing of Doors
87	Delivery of Radiation Shielding Doors to HK site
88	Delivery of other Auxiliary Systems and Equipmer
A1000	Complete delivery of Radiation Shielding Doors to
HY/2014/04.1.1.3.6	Section I - Gantry Type X-ray Vehi
212	Software Setup & Integration and Imaging Tests
213	Construction Works - Section I Complete
HY/2014/04.1.1.3.6.1.3.8.1	Inbound Cargo Examination I
315	Cabling and cable containment
316	Installation of X-ray System Image Analysis Work
317	Temporary Installation of X-ray System Image An
318	Dismantle of the temporary setup of System Ima
HY/2014/04.1.1.3.6.1.3.6.1	Scan Tunnel
116	Cabling and cable containment
140	Scan Tunnel Installation Complete
HY/2014/04.1.1.3.6.1.3.6.1.1.3.6.1.2	Installation of X-ra
118	Install Gantry rails
119	Linear Accelerator Pod and Modular Pod
120	Vertical Boom Wheel Set and Vertical Boom
121	Horizontal Boom
122	Radioactivity threat detection system
HY/2014/04.1.1.3.6.1.3.6.1.1.3.6.1.3	Radiation Shieldin
124	Unloading and storage of of Materials on site
125	Installation of brackets and Hilti bolts
126	Installation of beam



Actual Level of Effort | Actual Work | Remaining Work | Critical Remaining Work | Milestone | summary

TASK filter: All Activities

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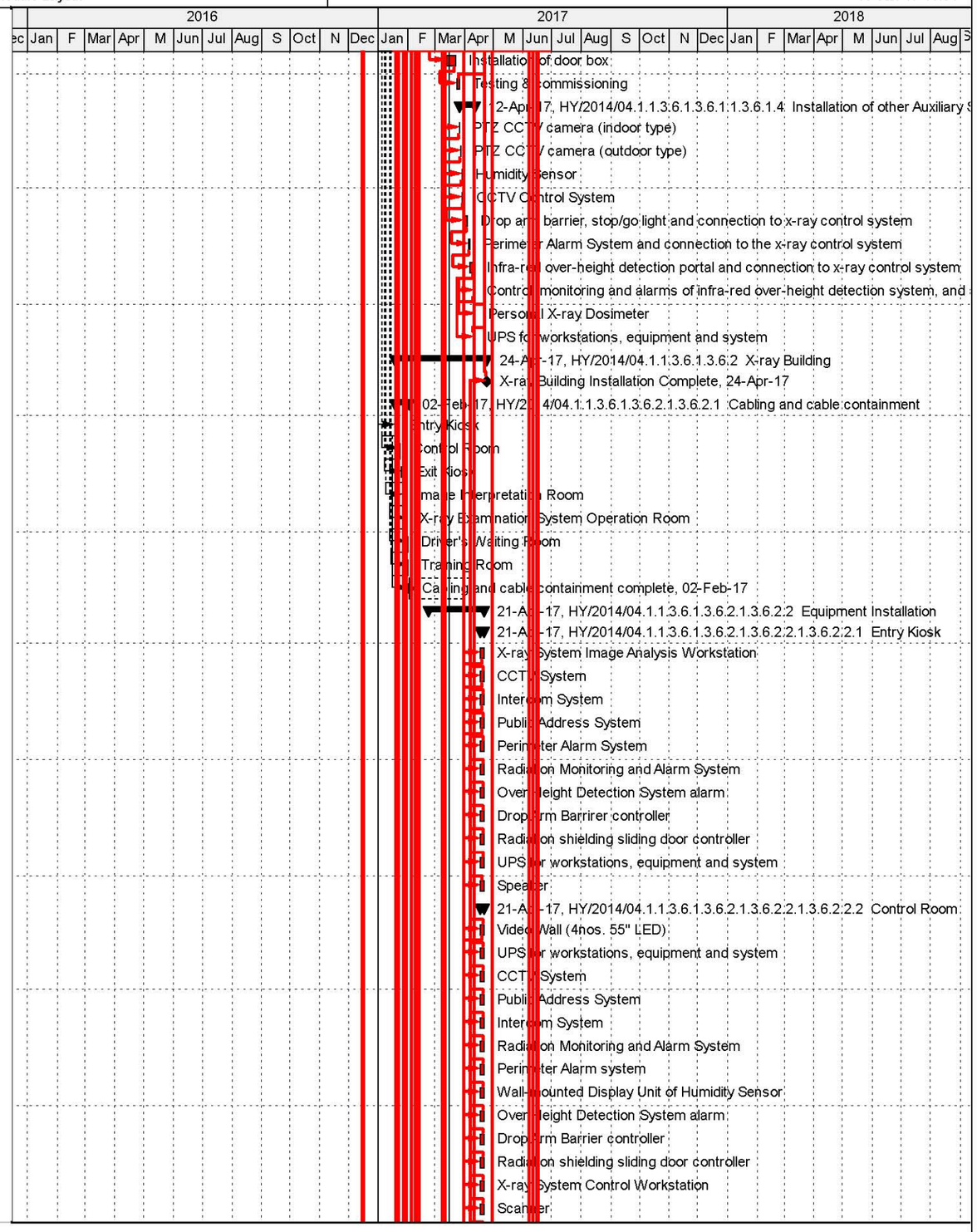
Activity ID	Activity Name
127	Installation of door box
128	Testing & commissioning
HY/2014/04.1.1.3.6.1.3.6.1.1.3.6.1.4	Installation of oth
130	PTZ CCTV camera (indoor type)
131	PTZ CCTV camera (outdoor type)
132	Humidity Sensor
133	CCTV Control System
134	Drop arm barrier, stop/go light and connection to
135	Perimeter Alarm System and connection to the x-
136	Infra-red over-height detection portal and connec
137	Control, monitoring and alarms of infra-red over-l
138	Personal X-ray Dosimeter
139	UPS for workstations, equipment and system
HY/2014/04.1.1.3.6.1.3.6.2	X-ray Building
211	X-ray Building Installation Complete
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.1	Cabling and cable
143	Entry Kiosk
144	Control Room
145	Exit Kiosk
146	Image Interpretation Room
147	X-ray Examination System Operation Room
148	Driver's Waiting Room
149	Training Room
150	Cabling and cable containment complete
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2	Equipment Installa
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.1	Entry
'	X-ray System Image Analysis Workstation
'	CCTV System
'	Intercom System
'	Public Address System
'	Perimeter Alarm System
'	Radiation Monitoring and Alarm System
'	Over Height Detection System alarm
'	Drop Arm Barrirer controller
'	Radiation shielding sliding door controller
'	UPS for workstations, equipment and system
'	Speaker
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.2	Contl
'	Video Wall (4nos. 55" LED)
'	UPS for workstations, equipment and system
'	CCTV System
'	Public Address System
'	Intercom System
'	Radiation Monitoring and Alarm System
'	Perimeter Alarm system
'	Wall-mounted Display Unit of Humidity Sensor
'	Over Height Detection System alarm
'	Drop Arm Barrier controller
'	Radiation shielding sliding door controller
'	X-ray System Control Workstation
'	Scanner



Actual Level of Effort | Remaining Work | Milestone
Actual Work | Critical Remaining Work | summary

TASK filter: All Activities

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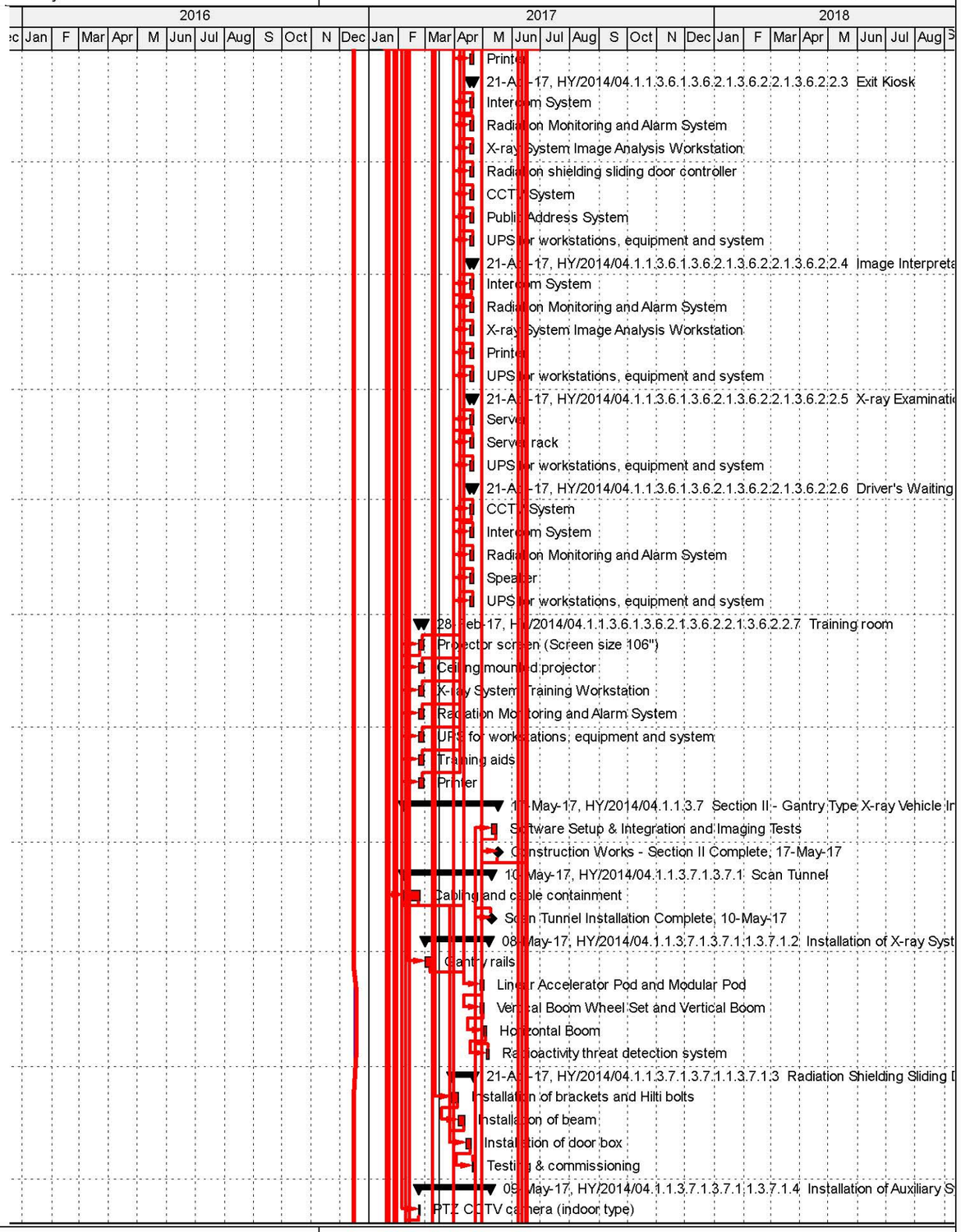
Activity ID	Activity Name
	Printer
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.3	Exit K
	Intercom System
	Radiation Monitoring and Alarm System
	X-ray System Image Analysis Workstation
	Radiation shielding sliding door controller
	CCTV System
	Public Address System
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.4	Imag
	Intercom System
	Radiation Monitoring and Alarm System
	X-ray System Image Analysis Workstation
	Printer
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.5	X-ray
	Server
	Server rack
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.6	Drive
	CCTV System
	Intercom System
	Radiation Monitoring and Alarm System
	Speaker
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.6.1.3.6.2.1.3.6.2.2.1.3.6.2.2.7	Traini
	Projector screen (Screen size 106")
	Ceilling mounted projector
	X-ray System Training Workstation
	Radiation Monitoring and Alarm System
	UPS for workstations, equipment and system
	Training aids
	Printer
HY/2014/04.1.1.3.7	Section II - Gantry Type X-ray Vehi
311	Software Setup & Integration and Imaging Tests
312	Construction Works - Section II Complete
HY/2014/04.1.1.3.7.1.3.7.1	Scan Tunnel
216	Cabling and cable containment
239	Scan Tunnel Installation Complete
HY/2014/04.1.1.3.7.1.3.7.1.1.3.7.1.2	Installation of X-ra
218	Gantry rails
219	Linear Accelerator Pod and Modular Pod
220	Vertical Boom Wheel Set and Vertical Boom
221	Horizontal Boom
222	Radioactivity threat detection system
HY/2014/04.1.1.3.7.1.3.7.1.1.3.7.1.3	Radiation Shieldin
224	Installation of brackets and Hilti bolts
225	Installation of beam
226	Installation of door box
227	Testing & commissioning
HY/2014/04.1.1.3.7.1.3.7.1.1.3.7.1.4	Installation of Aux
229	PTZ CCTV camera (indoor type)



Actual Level of Effort | Remaining Work | Milestone
Actual Work | Critical Remaining Work | summary

TASK filter: All Activities

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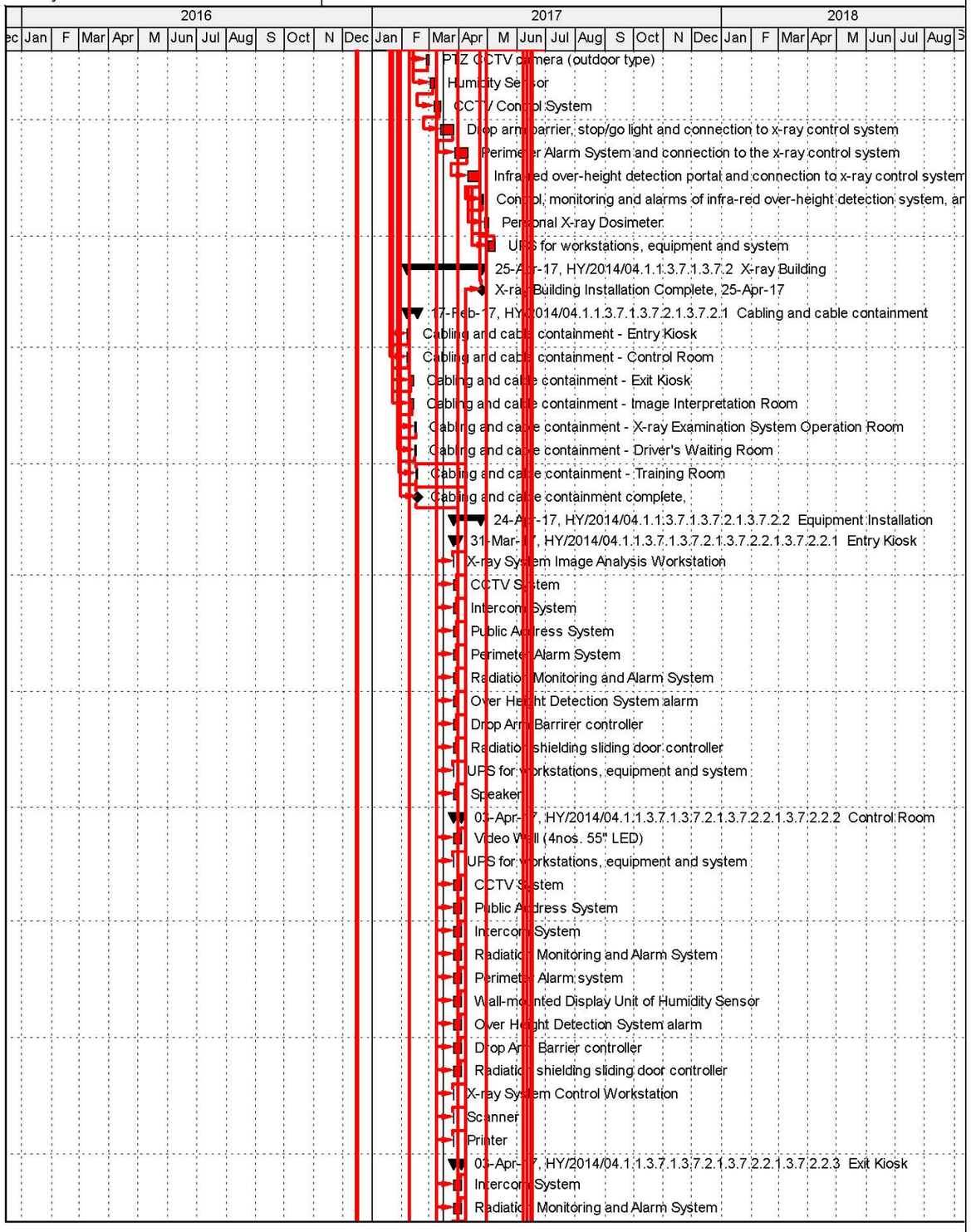
Activity ID	Activity Name
230	PTZ CCTV camera (outdoor type)
231	Humidity Sensor
232	CCTV Control System
233	Drop arm barrier, stop/go light and connection to
234	Perimeter Alarm System and connection to the x-
235	Infra-red over-height detection portal and connec
236	Control, monitoring and alarms of infra-red over-l
237	Personal X-ray Dosimeter
238	UPS for workstations, equipment and system
HY/2014/04.1.1.3.7.1.3.7.2	X-ray Building
310	X-ray Building Installation Complete
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.1	Cabling and cable
242	Cabling and cable containment - Entry Kiosk
243	Cabling and cable containment - Control Room
244	Cabling and cable containment - Exit Kiosk
245	Cabling and cable containment - Image Interpret
246	Cabling and cable containment - X-ray Examinati
247	Cabling and cable containment - Driver's Waiting
248	Cabling and cable containment - Training Room
249	Cabling and cable containment complete
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2	Equipment Installa
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.1	Entry
1	X-ray System Image Analysis Workstation
1	CCTV System
1	Intercom System
1	Public Address System
1	Perimeter Alarm System
1	Radiation Monitoring and Alarm System
1	Over Height Detection System alarm
1	Drop Arm Barrirer controller
1	Radiation shielding sliding door controller
1	UPS for workstations, equipment and system
1	Speaker
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.2	Contr
1	Video Wall (4nos. 55" LED)
1	UPS for workstations, equipment and system
1	CCTV System
1	Public Address System
1	Intercom System
1	Radiation Monitoring and Alarm System
1	Perimeter Alarm system
1	Wall-mounted Display Unit of Humidity Sensor
1	Over Height Detection System alarm
1	Drop Arm Barrier controller
1	Radiation shielding sliding door controller
1	X-ray System Control Workstation
1	Scanner
1	Printer
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.3	Exit K
1	Intercom System
1	Radiation Monitoring and Alarm System



Actual Level of Effort | Remaining Work | Milestone
Actual Work | Critical Remaining Work | summary

TASK filter: All Activities

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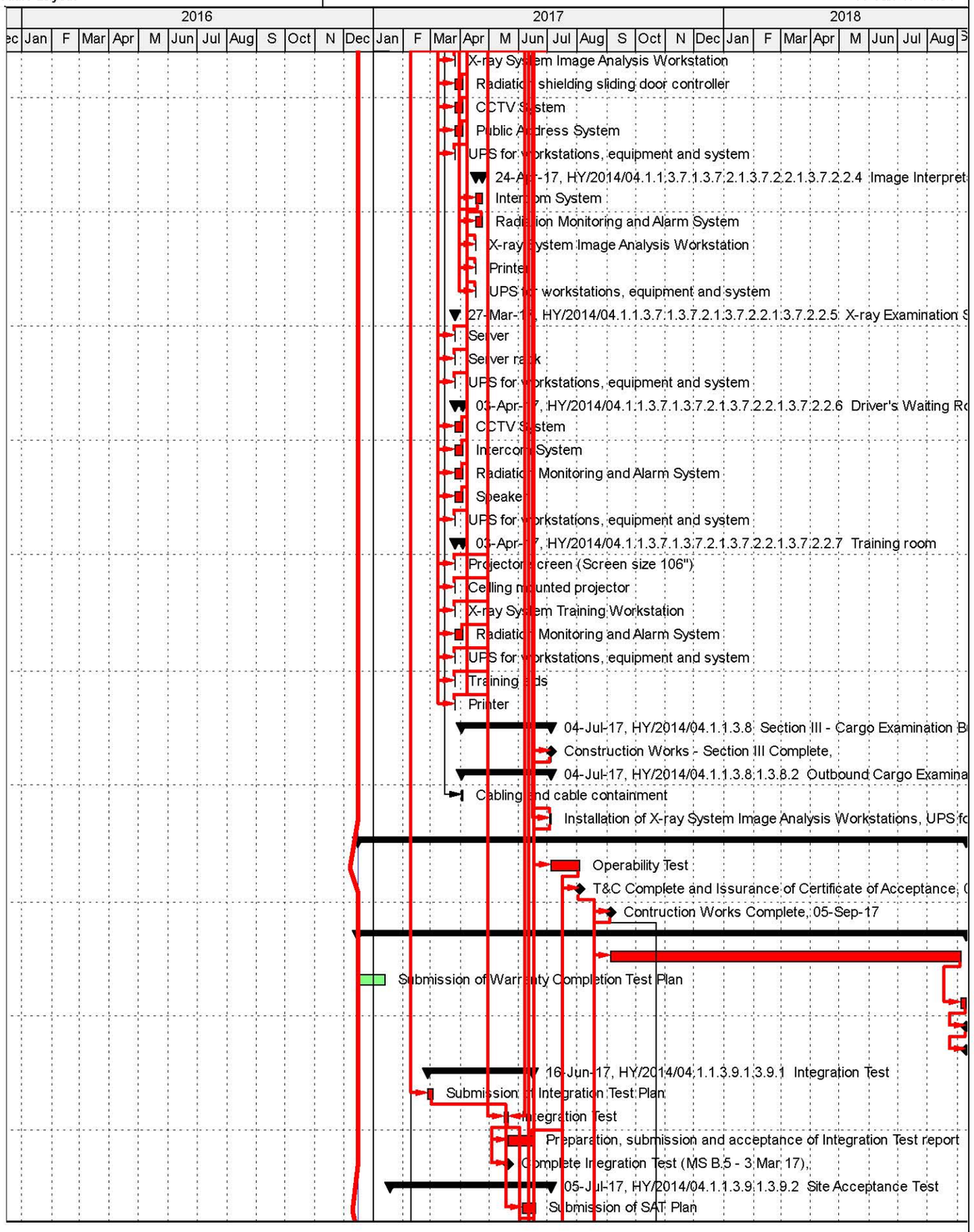
Activity ID	Activity Name
	X-ray System Image Analysis Workstation
	Radiation shielding sliding door controller
	CCTV System
	Public Address System
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.4	Imag
	Intercom System
	Radiation Monitoring and Alarm System
	X-ray System Image Analysis Workstation
	Printer
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.5	X-ray
	Server
	Server rack
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.6	Drive
	CCTV System
	Intercom System
	Radiation Monitoring and Alarm System
	Speaker
	UPS for workstations, equipment and system
HY/2014/04.1.1.3.7.1.3.7.2.1.3.7.2.2.1.3.7.2.2.7	Traini
	Projector screen (Screen size 106")
	Ceilling mounted projector
	X-ray System Training Workstation
	Radiation Monitoring and Alarm System
	UPS for workstations, equipment and system
	Training aids
	Printer
HY/2014/04.1.1.3.8	Section III - Cargo Examination Bu
322	Construction Works - Section III Complete
HY/2014/04.1.1.3.8.1.3.8.2	Outbound Cargo Examinatior
320	Cabling and cable containment
321	Installation of X-ray System Image Analysis Work
HY/2014/04.1.1.3.9	On-Site Testing & Commissioning
335	Operability Test
336	T&C Complete and Issurance of Certificate of Ac
345	Contruction Works Complete
HY/2014/04.1.1.3.9.1.3.10	Defect Liability Period for Con
359	Defect Liability Period
360	Submission of Warranty Completion Test Plan
361	Warranty Completion Test
362	DLP Complete and issuance of Defect Laibility C
363	Commencement of Maintenance Services
HY/2014/04.1.1.3.9.1.3.9.1	Integration Test
325	Submission of Integration Test Plan
326	Integration Test
327	Preparation, submission and acceptance of Inte
327.5	Complete Inegration Test (MS B.5 - 3 Mar 17)
HY/2014/04.1.1.3.9.1.3.9.2	Site Acceptance Test
329	Submission of SAT Plan



Actual Level of Effort | Remaining Work | Milestone
Actual Work | Critical Remaining Work | summary

TASK filter: All Activities

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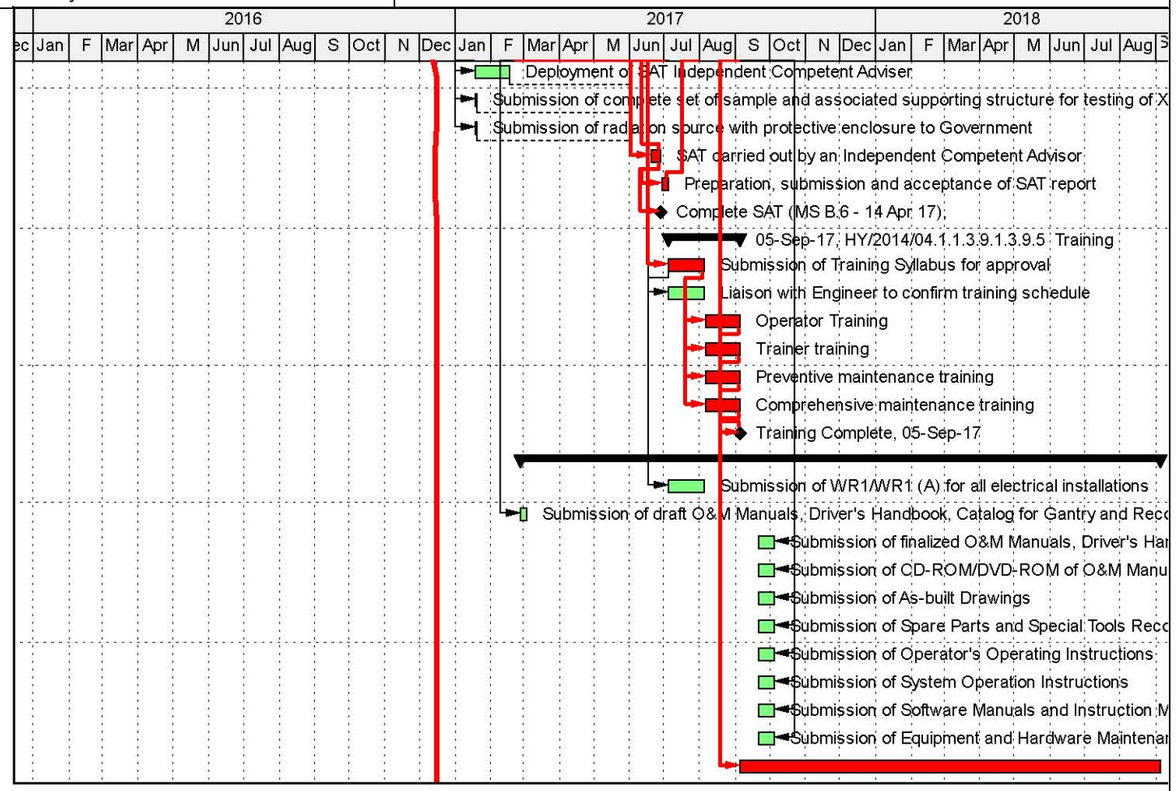
Activity ID	Activity Name
330	Deployment of SAT Independent Competent Advi
331	Submission of complete set of sample and assoc
332	Submission of radiation source with protective er
333	SAT carried out by an Independent Competent A
334	Preparation, submission and acceptance of SAT
334.5	Complete SAT (MS B.6 - 14 Apr 17)
HY/2014/04.1.1.3.9.1.3.9.5 Training	
338	Submission of Training Syllabus for approval
339	Liaison with Engineer to confirm training schedule
340	Operator Training
341	Trainer training
342	Preventive maintenance training
343	Comprehensive maintenance training
344	Training Complete
HY/2014/04.1.1.3.9.1.3.9.7 Other Documentation	
347	Submission of WR1/WR1 (A) for all electrical ins
348	Submission of draft O&M Manuals, Driver's Hanc
349	Submission of finalized O&M Manuals, Driver's H
350	Submission of CD-ROM/DVD-ROM of O&M Mar
351	Submission of As-built Drawings
352	Submission of Spare Parts and Special Tools Re
353	Submission of Operator's Operating Instructions
354	Submission of System Operation Instructions
355	Submission of Software Manuals and Instruction
356	Submission of Equipment and Hardware Mainten
357	Submission of Software License Installation Disk



Actual Level of Effort | Actual Work | Remaining Work | Critical Remaining Work | Milestone | summary

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