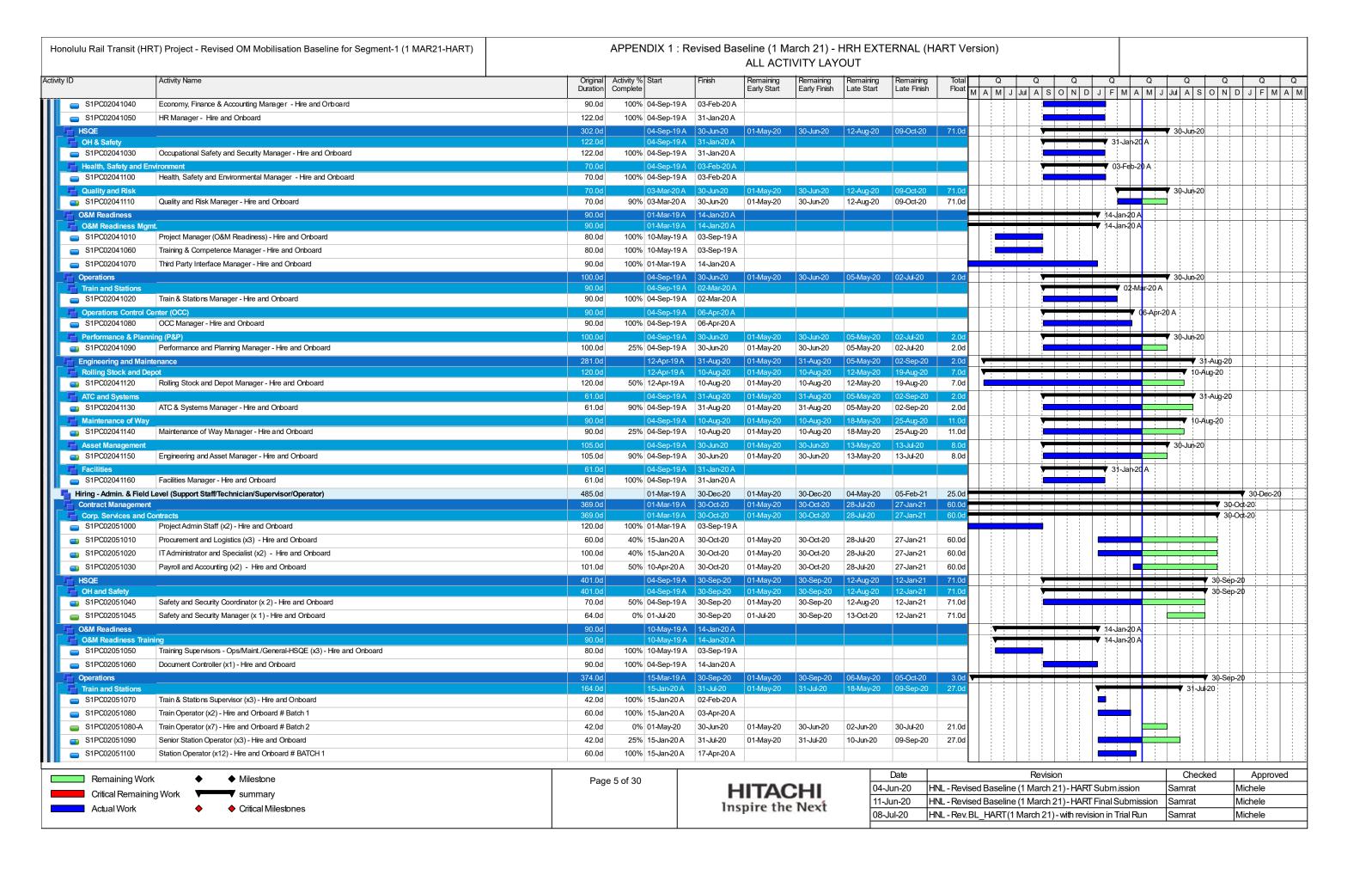
Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT Activity ID Activity % Remaining Original Remaining Remaining Q Q Duration Complete Early Start Early Finish Late Start Late Finish Float | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | 01-Mar-21 honolulu Rail Transit (HRT) Project - Revised O&M Mobilisation Baseline for Segment-1 (1 MAR21-HART) Project Milesones 503.0d 01-Mar-19 A 01-Mar-21 04-May-20 01-Mar-21 04-May-20 01-Mar-21 0.0d 01-Mar-2 Contract Mileston 01-Mar-21 Key Dates 503.0d 01-Mar-19 A 01-Mar-21 30-Oct-20 01-Mar-21 30-Oct-20 0.00 1-Mar-2 S1PM01011000 Commencement of HRT O&M Mobilisation Project 100% 01-Mar-19 A 01-Mar-19 A, 0.0d S1PM01011010 Launch Kick-off Meetings (KoM) with HRH and HART 0.0d 100% 15-Mar-19 A 15-Mar-19 A 0.0d 30-Oct-20 30-Oct-20 0.0d ♦ 30-Oct-20\*, S1PM01011020 Completion of all Systems Commissioning & Integration at all 9 Segment 1 Stations 0% 30-Oct-20' 0.0d S1PM01011030 Ready to Launch Commercial Service for Interim O&M Segment 1 (9 Stations) 0.0d 0% 01-Mar-21 01-Mar-21 01-Mar-21 01-Mar-21 0.0d 185.0d 03-Jun-20 26-Feb-21 03-Jun-20 26-Feb-21 26-Feb-21 26-Feb-21 7 26-Feb-21 Phase Completion Dates S1PM01021000 Completion of all Phase 1 Delivery Milestones 0.0d 185.0d ♦ 03-Jun-20 03-Jun-20 03-Jun-20 26-Feb-21 S1PM01021010 0.0d 0% 30-Dec-20 30-Dec-20 26-Feb-21 39.0d Completion of all Phase 2 Delivery Milestones 30-Dec-20 S1PM01021020 Completion of all Phase 3 Delivery Milestones 0.0d 0% 26-Feb-21 26-Feb-21 26-Feb-21 0.0d ♦ 26-Feb-21 Delivery Milestones 30-Sep-19 A 26-Feb-21 26-Feb-21 26-Feb-21 0.0d ▼ 26-Feb-21 Phase 1 (Inception till Contract Establishment) 268.0d 30-Sep-19 A 03-Jun-20 03-Jun-20 03-Jun-20 26-Feb-21 26-Feb-21 185.0d ▼ 03-Jun-20 HR Management Services ▼ 26-Nov-19 A 30-Sep-19 A 26-Nov-19 S1PM02011000 Complete - Organisation Structure including Staff Ramp-up Level 0.0d 30-Sep-19 A ♦ 30-Sep-19 A S1PM02011010 Complete - Revised Training Plan (Gold Submission) 0.0d 100% 25-Nov-19 A ◆ 25-Nov-19 A S1PM02011020 Complete - Recruitment Plan / Staffing and Ramp-up Plan (Gold Submission) 0.0d 100% 26-Nov-19 A ◆ 26-Nov-19 A Technical Delivera 03-Jun-20 7 03-Jun-20 S1PM02011030 Complete - all the Operations Documents including Plans, Procedures and Work Instructions (Gold Submission) 100% ◆ 14-Apr-20 A 0.0d 14-Apr-20 A 30-Apr-20 A S1PM02011040 Complete - all the HSEQ Documents including Plans, Procedures and Work Instructions (Gold Submission) 0.0d 100% 30-Apr-20 A S1PM02011050 Complete - Mobilisation Plan and Detailed Master Schedule (Silver Submission) 0.0d 100% 30-Oct-19 A ♦ 30-Oct-19 A S1PM02011060 Complete - Asset Management Plan (Silver Submission) 0.0d 100% 02-Jan-20 A 02-Jan-20 A S1PM02011070 Complete - Maintenance Services Plan (Silver Submission) 0.0d 0% 03-Jun-20 03-Jun-20 26-Feb-21 185.0d ♦ 03-Jun-20 S1PM02011080 Complete - Trail Run Validation Plan (Silver Submission) 0.0d 100% 17-Dec-19 A ◆ 17-Dec-19 A Phase 2 (Mobilisation, System Implementation and Handover) 247 0d 29-Jan-20 A 25-Jan-21 04-May-20 25-Jan-21 04-May-20 26-Feb-21 24.0d ▼ 25-Jan-21 ▼ 20-Nov-20 Technical Deliverable S1PM02021000 Complete - all the Asset Management and Maintennce Documentations (Gold Submission) excluding Job Plans 26-Feb-21 67.0d ◆ 20-Nov-20 0.0d 0% 20-Nov-20 20-Nov-20 Mass Recruitment 30-Dec-20 ♦ 31-Jan-20 A S1PM02021005 Complete- Hiring of All Key Personnel 0.0d 100% 31-Jan-20 A S1PM02021010 Complete - Hiring of all Core Team Staff (Managers/Team Leads) 0.0d 0% 31-Aug-20 31-Aug-20 26-Feb-21 123.00 ◆ 31-Aug-20 S1PM02021015 Complete - Hiring of all Field Staff (Operational Roles) 0.0d 0% 31-Jul-20 31-Jul-20 26-Feb-21 144.00 ♦ 31-Jul-20 S1PM02021016 ♦ 31-Aug-20 Complete - Hiring of all Field Staff (Maintenance Roles - excluding Cleaning, RSK, DE Batch 2 Staff) 0 0d 0% 31-Aug-20 26-Feb-21 123.00 31-Aug-20 S1PM02021017 Complete - Hiring of all Field Staff (All remaining Maintenance Roles - including Cleaning, RSK, DE Batch 2 Staff) 0.0d 0% 30-Sep-20 26-Feb-21 102.0d ♦ 30-Sep-20 30-Sep-20 ■ S1PM02021020 0% 30-Dec-20 26-Feb-21 39.00 ◆ 30-Dec-20 Complete - Hiring of all Support and Admin Staff (all Roles) 0.0d 30-Dec-20 26-Aug-20 S1PM02021030 ♦ 16-Mar-20 A Complete - Development of General and HSQE Training Modules 0.0d 100% 16-Mar-20 A S1PM02021040 0.0d 30-Jul-20 26-Feb-21 145.0d ♦ 30-Jul-20 Complete - Development of Operational Training Modules 0% 30-Jul-20 S1PM02021050 0.0d 0% 126.0d Complete - Development of Maintenance Training Modules 26-Aug-20 26-Aug-20 26-Feb-21 ♦ 26-Aud-20 S1PM02021060 Complete - Design & Development of LMS and CMS 0.0d 100% 30-Apr-20 A 30-Apr-20 A 25-Feb-21 25-Jan-21 S1PM02021070 ♦ 26-Mar-20 A Complete - Delivery of Key Instructor (KI) Training Program 0.0d 100% 26-Mar-20 A S1PM02021080 Complete - Delivery of all Field Level Operational Staff Training Courses 0.0d 0% 28-Oct-20 06-Nov-20 7.0d ♦ 28-Oct-20 28-Oct-20 S1PM02021090 Complete - Delivery of all Field Level Maintenance Staff Training Courses (excluding RSK-Batch 2) 0.0d 0% 04-Nov-20 04-Nov-20 06-Nov-20 2.0d ♦ 04-Nov-20 S1PM02021095 Complete - Delivery of all O&M Staff Training Courses (including Maintenance RSK- Batch 2) 0.0d 0% 25-Jan-21 25-Jan-21 25-Feb-21 23.0d ◆ 25-Jan-21 13-Nov-20 S1PM02021100 ♦ 29-Jan-20 A Complete - IT Assessment and Gap Analysis 0.0d 100% 29-Jan-20 A S1PM02021110 Complete - IT Architecture and Implementation Roadmap 0.0d 100% 28-Feb-20 A ♦ 28-Feb-20 A ♦ 12-Feb-20 A S1PM02021120 0.0d 100% 12-Feb-20 A Complete - Maximo High-Level Functional Design S1PM02021130 Complete - Asset Handover Structure 0.0d 100% 30-Mar-20 A 30-Mar-20 A S1PM02021140 Complete - EDMS and HSQE Module Implementation in MAXIMO 0.0d 0% 01-Oct-20 01-Oct-20 26-Feb-21 101.0d 01-Oct-20 ▼ 13-Nov-20 Date Revision Checked Approved Remaining Work Milestone Page 1 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work 11-Jun-20 HNL - 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APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) ALL ACTIVITY LAYOUT Activity ID Activity % Start Original Remaining Remaining Remaining Remaining Q Q Duration Complete Early Start Early Finish Late Start Late Finish Float A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | HRH.ITS.1000 Submisison of MMIS RfP Proposal to Hitachi Rail STS (HRSTS) 0.0d 0% 04-May-203 04-May-20 04-May-20 0.0d HRH.ITS.1020 Issue Letter of Award (LOA)/ Sign-off MMIS Design and Implementation Contract 2.0d 0.0d 0% 26-Jun-20 26-Jun-20 30-Jun-20 ♦ 26-Jun-20 HRH.ITS.1030 2.0d Kick-off Meeting and Commencement of MMIS Design and Implementation Project 0.0d 0% 29-Jun-20 29-Jun-20 01-Jul-20 29-Jun-20, HRH.ITS.1040 Completion of MMIS Design and Implementation Project 0.0d 0% 13-Nov-20 13-Nov-20 26-Feb-21 72.0d ◆ 13-Nov-20 04-Nov-20 HRH.ITS.1050 Sprint 1 (Solution Architecture) MMIS - Completion and Sign-off 13-Jul-20 13-Jul-20 26-Feb-21 158.0d ◆ 13-Jul-20 0.0d 0% HRH.ITS.1060 Sprint 2 ( Detailed Design and Implementation) MMIS - Completion and Sign-off 0.0d 0% 24-Aug-20 24-Aug-20 26-Feb-21 128.0d ◆ 24-Aug-20 HRH.ITS.1070 Sprint 3 (User Acceptance Testing) MMIS- Completion and Sign-off 0.0d 0% 14-Sep-20 114.0d ◆ 14-Sep-20 14-Sep-20 26-Feb-21 ■ HRH.ITS.1080 Sprint 4 (Data Migration and Go Live) MMIS - Completion and Sign-off 0.0d 0% 15-Oct-20 15-Oct-20 26-Feb-21 92.0d ♦ 15-Oct-20 ■ HRH.ITS.1090 Sprint 5 (Post Go-Live Optimization) - MMIS Final Completion and Sign-off (under Support and Maintenace Option) 0.0d 0% 04-Nov-20 04-Nov-20 26-Feb-21 78.0d ◆ 0/4-Nov-20 ▼ 30-Oct-20 S1PM02021160 Complete - Award of all the Supply Chain Contracts 30-Oct-20 ♦ 30-Oct-20 0.0d 0% 30-Oct-20 26-Feb-21 81.0d ▼ 13-Nov-20 S1PM02021150 ◆ 13-Nov-20 Complete - All readiness checks (including snagging) prior to taking over enitre System before Trial Run 13-Nov-20 17-Nov-20 2.0d 0.0d 0% 13-Nov-20 Stage 3 (Trial Run) 198 0d 15-May-20 26-Feb-21 15-May-20 26-Feb-21 28-May-20 26-Feb-21 0.0d ▼ 26-Feb-2 MSP Job Plans Pro uction - HL Key Date 06-Jan-2 HRH.MJP.1000 ♦ 14-Sep-20 Batch 1 - Production Finish and Submission of all MSP Job Plans 0.0d 14-Sep-20 14-Sep-20 30-Sep-20 12.0d HRH.MJP.1010 Batch 2 - Production Finish and Submission of all MSP Job Plans 0.0d 0% 20-Dec-20 20-Dec-20 19-Jan-21 19.0d ◆ 20-Dec-20 ■ HRH.MJP.1030 Batch 1 - Completion of all MSP Job Plans in all respect 0.0d 0% 29-Sep-20 29-Sep-20 19-Jan-21 76.0d 29-Sep-20 ■ HRH.MJP.1040 Batch 2 - Completion of all MSP Job Plans in all respect 0.0d 0% 06-Jan-21 19-Jan-21 8.0d 06-Jan-21 ♦ 06-Jan-2 ▼ 26-Feb-21 HRH.TOS.1001 Finish Trial Operations in all respect (including SSA- RAMS Demonstration) 0 0d ♦ 26-Feb-21 0 0d 0% 26-Feb-21 26-Feb-21 26-Feb-21 Test Cases - Do 15-Sep-20 HRH.TOS.1000 15-May-20 ◆ 15-May-20. Submission of the Final Trial Ops. Plan (and Trial Ops. Schedule) to HART/City incorporating interim comments 0% 15-May-20 28-May-20 0.0d 8.0d ♦ 15-\$ep-20 HRH.TOS.1002 Completion of all Test Case Elements Preparation and submission 0.0d 0% 17-Nov-20 43.0d 15-Sep-20 15-Sep-20 Test Cases - Exe 7 25-Feb-21 HRH.TOS.1003 Trial Operation Start - D&B Key Milestone (Commence with execution of the Test Case Scenarios) 0.0d 0% 16-Nov-20 18-Nov-20 2.0d ♦ 16-Nov-20, 16-Nov-20 HRH.TOS.1004 63.0d Normal Operations- Complete Execution of all Test Cases 0.0d 0% 27-Nov-20 27-Nov-20 26-Feb-21 ◆ 27-Nov-20 HRH.TOS.1005 Degraded Operations- Complete Execution of all Test Cases 0.0d 0% 28-Dec-20 28-Dec-20 26-Feb-21 41.0d ♦ 28-Dec-20 ■ HRH.TOS.1006 ♦ 12-Jan-21 0.0d 0% 31.00 Emergency Operations- Complete Execution of all Test Cases 12-Jan-21 12-Jan-21 26-Feb-21 HRH.TOS.1007 Response to Failure (Contingency Plan/Alternative Operations) - Complete Execution of all Test Cases 0.0d 0% 27-Nov-20 27-Nov-20 26-Feb-21 63.0d ◆ 27-Nov-20 HRH.TOS.1008 System Service Availability (SSA) - RAMS Demonstration Completion 0.0d 0% 25-Feb-21 25-Feb-21 26-Feb-21 1.0d ♦ 25-Feb-21 HRH.TOS.1009 Normal Operations- Complete Submission of all Test Reports 01-Dec-20 ♦ 01-Dec-20 0.0d 0% 01-Dec-20 26-Feb-21 61.0d HRH.TOS.1010 Degraded Operations- Complete Submission of all Test Reports 0.0d 0% 29-Dec-20 29-Dec-20 26-Feb-21 40.0d 29-Dec-20 HRH.TOS.1011 Emergency Operations- Complete Submission of all Test Reports 0.0d 0% 14-Jan-21 14-Jan-21 26-Feb-21 29.0d ◆ 14-Jan-2 Response to Failure (Contingency Plan/Alternative Operations) Operations- Complete Submission of all Test Reports HRH.TOS.1012 0.0d 0% 01-Dec-20 01-Dec-20 26-Feb-21 61.0d ♦ 01-Dec-20 HRH.TOS.1013 SSA RAMS Demonstration - Complete submission of all Test Reports 0.04 0% 26-Feb-21 26-Feb-21 26-Feb-21 0.0d ♦ 26-Feb-21 26-Feb-2 S1PM02031020 Obtain Trial Run Certificates (Handover of Systems to O&M Operator) 0.0d 0% 25-Jan-21 25-Jan-21 10-Feb-21 12.0d ◆ 25-Jan-21 S1PM02031030 Obtain Passenger Operating License from Regulatory Authority 0.0d 0% 26-Feb-21 26-Feb-21 26-Feb-21 0.00 • 26-Feb-2 189.0d 31-Jan-20 A 30-Oct-20 30-Oct-20 20-Jan-21 82.0d 30-Oct-20 01-May-20 29-Jun-20 Project Dependencies ▼ 30-Jun-20 104 0d 30-Jun-20 30-Jun-20 30-Jul-20 30-Jul-20 D&B Hazard Transfe 03-Feb-20 A 30-Jun-20 22.0d ♦ 03-Feb-20 S1PD01011000 Agree the process of D&B Hazard Log Review with HRH and Rail Safety Regulator 0.0d 03-Feb-20 A 100% S1PD01011005 Receive the D&B Hazard Log (with all design hazards completely) 0.0d 0% 30-Jun-20\* 30-Jun-20 30-Jul-20 22.0d ♦ 30-Jun-20 D&B Docs - OEMs/ ining Manual/ Plans A 28-Feb-20 A 28-Feb-20 A S1PD02011000 Availability of HRH Training Manual / Training Plan (required for KIs to train) 100% ♦ 03-Feb-20 0.0d 03-Feb-20 A S1PD02011010 100% 03-Feb-20 A ♦ 03-Feb-20 A Received Notification to start preparation for System Testing and Commissioning 0.0d S1PD02011020 Availability of OEM Manual (first full set) and Vendor / Supplier List - Issued to O&M Project Team 0.0d 100% 03-Feb-20 A ♦ 03-Feb-20 A, S1PD02011030 Availability of Asset List including Tools/ Special Tools and Major Equipments 0.0d 100% 03-Feb-20 A ♦ 03-Feb-20 A, S1PD02011040 ♦ 28-Feb-20 A Availability of Spares & Consumables List 0.0d 100% 28-Feb-20 A Access to Infrastructure and Asset Handover 03-Feb-20 A 30-Oct-20 30-Jun-20 30-Oct-20 01-Jul-20 189.0d 06-Nov-20 6.0d 30-Oct-20 Date Revision Checked Approved Remaining Work Milestone Page 2 of 30 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele HITACHI Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Samrat Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

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(FDAS) Installation completion in all Segment 1 Stations (x 9) 0.0d 0% 15-Jul-20\* 15-Jul-20 16-Jul-20 2.0d ♦ 15-Jul-20\* S1PD03011030 MSF Operational and Availability of Depot, Station and Mainline for Pilot Handover and Job Familiarization Training 0.0d 0% 15-Aug-20\* 15-Aug-20 20-Aug-20 6.0d ♦ 15-Aug-20\* S1PD03011035 SCADA Installation completion in all Segment 1 Stations (x 9) 0.0d 0% 15-Sep-20 6.0d ◆ 15-Sep-20\* 15-Sep-20\* 20-Sep-20 ◆ 30-Sep-20\* 5.0d S1PD03011036 PSG Installation completion in all Segment 1 Stations (x 9) 0.0d 0% 30-Sep-20\* 30-Sep-20 04-Oct-20 ♦ 30-Oct-20\* S1PD03011040 All System commissioned, integrated with Stations and Handover for System Familiarization (Prior to Readiness Drill/TR) 0.0d 0% 30-Oct-203 30-Oct-20 06-Nov-20 6.0d 31-Aug-20 31-Aug-20 19-Jan-21 31-Aug-20 S1PD04011000 Obtain Conditions of Carriage (CoC) from authority 15-Jul-20 19-Jan-21 130.0d ♦ 15-Jul-20\* 0.0d 15-Jul-20' S1PD04011010 Appointment of Cash Collection Company by HART 0.0d 0% 31-Aug-20\* 31-Aug-20 19-Jan-21 97.00 ♦ 31-Aug-20\* Fare Media and Pri 96.0d ▼ 01-Sep-20 S1PD05011000 Provide Fare Media items to O&M (by HART) 0.0d 0% 01-Sep-20 96.0 ◆ 01-Sep-20\* S1PD05011010 Provide printed Passenger Journey Travel time table materials to O&M (by HART) 0.0d 0% 01-Sep-20\* 01-Sep-20 20-Jan-21 96.0d ♦ 01-Sep-20\* ▼ 31-Jan-20 A S1PD06011000 Received Uniform Design Branding details and Specification from HART ♦ 31-Jan-20 A 0.0d 31-Jan-20 A S1PD06011010 ♦ 31-Jan-20 A Obtain Preferred Vendor List (for Uniform Supplier) from HART to proceed 0.0d 100% 31-Jan-20 A Min. Infrastructure ent to Launch Ops Training ▼ 30-Jun-20 S1PD07011000 Availability of OCC Simulator / Operational OCC (to start OCC Training) 0.0d 0% 01-May-20\* 01-May-20 03-Sep-20 87.00 01-May-20\*, S1PD07011010 74.0d Availability of min. 5 KM Section of Track (with Terminus Stn. with Turnback facilities at both ends) 0.0d 0% 01-May-20\* 01-May-20 17-Aug-20 01-May-20\*, S1PD07011020 Availability of One (1) Stations with all systems operational - 8 Hrs a day 0.0d 0% 01-Jun-20\* 01-Jun-20 17-Aug-20 54.0d ♦ 01-Jun-20\* S1PD07011030 Availability of One (1) Train in Normal (UTO) Mode - 8 Hrs a day 0.0d 0% 30-Jun-20<sup>3</sup> 30-Jun-20 31-Jul-20 22.0d ♦ 30-Jun-20\* ning (T&C) # Anticipated Time Line 01-Apr-20 A 01-May-20 40 0d 18-Sep-20 HRH Testina & Cor 161 0d System T&C and Performance Tests 02-Nov-20 40.0d 03-Sep-20 151.0d 01-Apr-20 A 03-Sep-20 01-May-20 03-Sep-20 29-Jun-20 S1PD08011000 System Ready for Testing and Commissioning (after Pre-Comm of individual Sub-system Commissioning Lot) 0.0d 100% 01-Apr-20 A 01-Apr-20 A, S1PD08011010 Perform all the System Static, Dynamic and System Integration tests as per requirement 90.0d 30% 01-Apr-20 A 06-Aug-20 01-May-20 06-Aug-20 29-Jun-20 02-Oct-20 40.0d S1PD08011020 Prepare Report & Apply T&C Completion Certificate by D&B 20.0d 0% 07-Aug-20 03-Sep-20 07-Aug-20 03-Sep-20 05-Oct-20 02-Nov-20 40.00 18-Sep-20 Issue of T&C Certificates 10.0d 04-Sep-20 04-Sep-20 18-Sep-20 03-Nov-20 17-Nov-20 40.0d 18-Sep-20 S1PD09011000 Issue T&C Completion Cert by HART and System is ready to use by O&M Project Team 0% 04-Sep-20 40.0d 10.0d 18-Sep-20 04-Sep-20 18-Sep-20 03-Nov-20 17-Nov-20 531.0d 01-Mar-19 A 26-Feb-21 26-Feb-21 01-May-20 26-Feb-21 01-May-20 0.0d Project Capabilities 468.0d 7 26-Feb-2 Project Management 245.0d 06-Aug-19 A 26-Feb-21 01-May-20 26-Feb-21 01-May-20 26-Feb-21 0.0d 7 26-Feb-2<sup>-</sup> Mob. Plan and DMS (D 29-Nov-19 A S1PC01011000 Produce and submit detailed Master Schedule (DMS) - Draft Programme (in Primavera P6) 100% 04-Sep-19 A 30-Oct-19 A 40 0d S1PC01011010 100% 31-Oct-19 A 29-Nov-19 A Produce Mobilisation Plan (Draft) S1PC01011020 10.0d 100% 31-Oct-19 A 14-Nov-19 A Hold Re-Planning Workshops, obtain feedback and incorporate in mob plan and DMS S1PC01011030 Submit detailed Master Schedule (in Primavera) and Moilisation Plan - FINAL 10.0d 100% 15-Nov-19 A 29-Nov-19 A Establish Reporting 26-Feb-21 S1PC01011040 Decide the Strategy & Process for Programme Management, Doc. Control, Monthly Reporting 14-Nov-19 A 100% 06-Aug-19 A S1PC01011050 Agree Client Reporting Templates - Weekly/Monthly/Any Adhoc Reports 31.0d 100% 15-Nov-19 A 31-Dec-19 A S1PC01011060 Submit Monthly Programme update and Report current status (until Segment 1 Commercial Service Starts) 245.0d 30% 02-Jan-20 A 26-Feb-21 01-May-20 26-Feb-21 01-May-20 26-Feb-21 0.0d Corporate- Start-up Services 40.0d 01-Mar-19 A 29-Nov-19 A 29-Nov-19 A Interim Manageme 14-Mar-19 A ■ S1PC01021000 Project Director (O&M) - Mobilize and Deploy (Interim) 100% 01-Mar-19 A 14-Mar-19 A 10 0d 07-Jun-19 A S1PC01021010 Discuss with HRH to agree on the O&M Project 'Delegation of Authority (DoA)' Framework and finalise Escalation Process 100% 15-Mar-19 A 09-May-19 A 40.0d S1PC01021020 Procude the 'Delegation of Authority (DoA)' Matrix, review with HRH and obtain formal approval 100% 10-May-19 A 07-Jun-19 A 29-Nov-19 A S1PC01021030 Identify the Key Stakeholder and Decision Mechanism within Client team 40.0d 100% 10-Jun-19 A 05-Aug-19 A S1PC01021040 Map the Governance Structures - Internal and Client Facing 20.0d 100% 06-Aug-19 A 03-Sep-19 A S1PC01021050 Discuss and Agree with HRH about formation of O&M Working Committees (eg. Exec, Rail Safety, C&P, HR, Training etc( 100% 04-Sep-19 A 01-Oct-19 A S1PC01021060 Prepare ToR for Governance Meetings related to various Committees, O&M Project Team and Client Facing 30.0d 100% 02-Oct-19 A 14-Nov-19 A

Date Revision Checked Approved Remaining Work Milestone Page 3 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Samrat Actual Work Inspire the Next Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT Activity ID Activity % Start Remaining Q Q Q Original Remaining Remaining Remaining Q Q Q Complete Early Finish Late Start Late Finish Float M A M J Jul A S O N D J F M A M J Jul A S O N D J F M A M S1PC01021070 Produce the Governance and Working Committee Meeting calendar and agree diary of all periodic meetings with participants 10.0d 100% 15-Oct-19 A 29-Nov-19 A Performance Management Reporting System (PMRS) 131.0d 01-Jul-20 01-Jul-20 19-Jan-21 8.0d 06-Jan-21 06-Jan-21 03-Aug-20 06-Jan-2 S1PC01031000 27-Oct-20 22.0d Develop Performance Management Plan 60.0d 0% 01-Jul-20 24-Sep-20 01-Jul-20 24-Sep-20 03-Aug-20 S1PC01031010 Integrate Performance Mgmt Reporting System with INMS/MMIS Interface to capture SSA Inputs 8.0d 30.0d 0% 16-Oct-20 30-Nov-20 16-Oct-20 30-Nov-20 28-Oct-20 10-Dec-20 S1PC01031020 Produce and Run Automated SSA KPI Report, Cleaning and MSF Maintenance KPIs Report (link with Job Plan Tasks Completion) 27.0d 0% 01-Dec-20 06-Jan-21 01-Dec-20 06-Jan-21 11-Dec-20 19-Jan-21 8.0d 01-Mar-19 A 30-Dec-20 Organisation and Staffing 04-May-20 30-Dec-20 Grganisation Design 59.0d 15-Mar-19 A 30-Sep-19 A 30-Sep-19 A Org Structure wiith Staff Ramp-up Schedule ▼ 30-Sep-19 A S1PC02011000 Undertake a detailed review of the HRH O&M Org. in line with the requirements of the new O&M BU 40.0d 100% 15-Mar-19 A 09-May-19 A S1PC02011010 Re-design the existing organisation and align with new business needs 40 0d 100% 10-May-19 A 08-Jul-19 A S1PC02011020 100% 09-Jul-19 A 30-Sep-19 A Develop Staff Ramp-up Schedule considering Segment wise mobilisation 188.0d 10-May-19 A 26-Noy-19 A 26-Nov-19 A Technical Deliverables Recruitment Plan 10-May-19 A 26-Nov-19 A 26-Nov-19 A ▼ 05-Aug-19 A PL= Bronze S1PC02021070 BRONZE: Draft Submission of the Recruitment Plan 50.0d 100% 10-May-19 A 22-Jul-19 A S1PC02021080 BRONZE: First Review by HRH and issue comment sheet on draft plan 10 0d 100% 23-Jul-19 A 05-Aug-19 A ▼ 02-Oct-19 A S1PC02021090 SILVER: Incorporate comments and update the draft plan 100% 06-Aug-19 A 03-Sep-19 A S1PC02021100 SILVER: Submission of the Plan to HART 1.0d 100% 04-Sep-19 A 04-Sep-19 A SILVER: Review by HART, issue final comment sheet S1PC02021130 20.0d 100% 05-Sep-19 A 02-Oct-19 A PL= Gold 26-Nov-19 A S1PC02021110 GOLD: Holds discussion, incorporate comments and finalise/complete the Plan (part of GOLD Submission) 35.0d 100% 03-Oct-19 A 22-Nov-19 A S1PC02021120 GOLD: Final Doc check and submit the Recruitment Plan for Fomal Approval 2.0d 100% 25-Nov-19 A 26-Nov-19 A General HR Operationg Procedures 10-May-19 A 26-Nov-19 A ▼ 26-Nov-19 A 05-Aug-19 A PR= Bronze S1PC02021000 BRONZE: Draft Submission of all the General HR Operating Procedures 50.0d 100% 10-May-19 A 22-Jul-19 A S1PC02021010 BRONZE: First Review by HRH and issue comment sheet on draft Procedures 10.0d 100% 23-Jul-19 A 05-Aug-19 A PR= Silver 02-Oct-19 A ■ S1PC02021020 SILVER: Incorporate comments and update the draft Procedures 20.0d 100% 06-Aug-19 A 03-Sep-19 A S1PC02021030 SILVER: Submission of all the General HR Operating Procedures to HART 100% 04-Sep-19 A 04-Sep-19 A S1PC02021060 SILVER: Review by HART, issue final comment sheet 20.0d 100% 05-Sep-19 A 02-Oct-19 A ▼ 26-Nov-19 A S1PC02021040 GOLD: Holds discussion, incorporate comments & finalise/complete the General HR Operating Procedures (part of GOLD Sub.) 35.0d 100% 03-Oct-19 A 22-Nov-19 A S1PC02021050 GOLD: Final Doc check and submit all the General HR Operating Procedures for Fomal Approval 2.0d 100% 25-Nov-19 A 26-Nov-19 A 210.0d 15-Mar-19 A 27-Apr-20 A Hiring - Key Personnel 27-Apr-20 A Contract Management 27-Apr-20 A O&M Senior Management 27-Apr-20 A S1PC02031040 Project Director (O&M) - Hire and Onboard (Permanent) 120.0d 100% 15-Mar-19 A 27-Apr-20 A O&M Readiness 15-Mar-19 A 03-Sep-19 A ▼ 03-Sep-19 A O&M Readiness Mgmt. 03-Sep-19 A S1PC02031000 Deputy Director (O&M Readiness) - Hire and Onboard 100% 15-Mar-19 A 03-Sep-19 A 120.0d Operations 90.0d 04-Sep-19 A 14-Jan-20 A ▼ 14-Jan-20 A **Operational Managemen** S1PC02031010 Head of Operations - Hire and Onboard 90.0d 100% 04-Sep-19 A 14-Jan-20 A 15-Mar-19 A 03-Sep-19 A Engineering and Maintenance 7 03-Sep-19 A 03-Sep-19 A E&M Management S1PC02031020 Head of Engineering & Maintenance - Hire and Onboard 120.0d 100% 15-Mar-19 A 03-Sep-19 A 03-Sep-19 A **HSOE** 03-Sep-19 A S1PC02031030 Head of HSQE - Hire and Onboard 120 0d 100% 15-Mar-19 A 03-Sep-19 A 302.0d 01-Mar-19 A 31-Aug-20 01-May-20 31-Aug-20 05-May-20 09-Oct-20 28.0d Hiring - Core Team (Manager/Lead) 03-Feb-20 A 04-Sep-19 A 03-Feb-20 A Contract Management Corp. Services and Contracts 03-Feb-20 A S1PC02041000 100% 04-Sep-19 A 14-Jan-20 A Corporate Services and Contracts Manager - Hire and Onboard Date Revision Checked Approved Remaining Work Milestone Page 4 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Samrat Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele



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Administrator (x 1) - Hire and Onboard 61.0d 100% 03-Dec-19 A 30-Apr-20 A S1PC02051250 Comms. Technical Administrator (x1) - Hire and Onboard 61.0d 40% 03-Dec-19 A 31-Jul-20 01-May-20 31-Jul-20 22-May-20 21-Aug-20 15.0c S1PC02051260 ATC Technicians - On-board (x 2) - Hire and Onboard 231.0d 50% 01-Jul-19 A 31-Aug-20 01-May-20 31-Aug-20 28-May-20 25-Sep-20 18.0d 18.0d S1PC02051265 ATC Technicians - Way Side (x 4) - Hire and Onboard 231.0d 50% 01-Jul-19 A 31-Aug-20 01-May-20 31-Aug-20 28-May-20 25-Sep-20 S1PC02051270 125.0d 40% 03-Dec-19 A 31-Aug-20 01-May-20 31-Aug-20 26-May-20 23-Sep-20 16.0d ATC Lead Technicians (x 2) - Hire and Onboard S1PC02051280 6.0d Comms. & SCADA Technicians (x 3) - Hire and Onboard 125 0d 40% 03-Dec-19 A 31-Jul-20 01-May-20 31-Jul-20 11-May-20 10-Aug-20 S1PC02051281 PSG Technicians (x 2) - Hire and Onboard 42.0d 0% 03-Jun-20 31-Jul-20 03-Jun-20 31-Jul-20 29-Jun-20 26-Aug-20 18.0d S1PC02051282 PSG Technicians (x 4) - Hire and Onboard 63.0d 0% 03-Jun-20 31-Aug-20 03-Jun-20 31-Aug-20 29-Jun-20 25-Sep-20 18.00 -Aug-20 S1PC02051290 Power Systems Supervisor (x 1) - Hire and Onboard 64.0d 40% 03-Dec-19 A 31-Aug-20 01-May-20 31-Aug-20 02-Jun-20 30-Sep-20 21.00 S1PC02051300 3.0d Track Supervisor (x 1) - Hire and Onboard 90.0d 40% 22-Nov-19 A 20-Jul-20 01-May-20 20-Jul-20 06-May-20 23-Jul-20 S1PC02051305 Track Inspector (x 1) - Hire and Onboard 90.0d 40% 22-Nov-19 A 31-Jul-20 01-May-20 31-Jul-20 18-Jun-20 17-Sep-20 33.00 S1PC02051310 TPSS Lead Technician (x 1) and TPPS Technician (x3) - Hire and Onboard 50% 26-Apr-19 A 31-Aug-20 01-May-20 31-Aug-20 01-Jun-20 29-Sep-20 20.0d 15.0d S1PC02051320 Track - Lead Repairman (x 2) - Hire and Onboard 50.0d 50% 06-Mar-20 A 31-Jul-20 01-May-20 31-Jul-20 22-May-20 21-Aug-20 S1PC02051330 90.0d Track - Repairman (x 3) - Hire and Onboard 100% 26-Apr-19 A 03-Sep-19 A S1PC02051335 Track - Repairman (x 4) - Hire and Onboard 208.0d 25% 04-Sep-19 A 31-Jul-20 31-Jul-20 20-May-20 19-Aug-20 13.0d 01-May-20 S1PC02051340 Rolling Stock Engineer (x 1) - Hire and Onboard 105.0d 60% 02-Oct-19 A 06-Aug-20 01-May-20 06-Aug-20 04-May-20 07-Aug-20 1.0d 2.0d S1PC02051350 ATC and Systems Engineer (x 1) - Hire and Onboard 64.0d 60% 03-Dec-19 A 31-Aug-20 01-May-20 31-Aug-20 05-May-20 02-Sep-20 100% 04-Sep-19 A S1PC02051360 Civil and Track Engineer (x 1) - Hire and Onboard 125.0d 05-Mar-20 A S1PC02051370 Electrical and BS Engineer (x 1) - Hire and Onboard 125.0d 100% 04-Sep-19 A S1PC02051380 MMIS Specialist (x 1) - Hire and Onboard 125.0d 63.0d 40% 04-Sep-19 A 31-Jul-20 01-May-20 31-Jul-20 31-Jul-20 30-Oct-20 S1PC02051390 4.0d Cleaning & Landscaping Supervisor (x 1) - Hire and Onboard 64.0d 0% 01-Jul-20 30-Sep-20 01-Jul-20 30-Sep-20 08-Jul-20 06-Oct-20 S1PC02051400 Building Services Supervisor (x 1) - Hire and Onboard 40% 24-May-19 A 31-Jul-20 31-Jul-20 01-Sep-20 22.0d S1PC02051410 Building Services Technicians (x 5) - Hire and Orboard 70.0d 100% 24-May-19 A 03-Sep-19 A 15-Mar-19 A 24-Jan-21 479.0d Staff Training and Comp 24.0d Technical Deliverables 10-May-19 A 25-Nov-19 A 137 0d ▼ 25-Nov-19 A Date Revision Checked Approved Milestone Remaining Work Page 6 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. 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Trains Training Modules - Develop, Review and Finalise all the Course Module 63 0d 30-Oct-20 64.0d 0% 01-May-20 30-Jul-20 01-May-20 30-Jul-20 03-Aug-20 S1PC03041040 Ops. OCC Training Modules - Develop, review and Finalise all the Course Module 40.0d 0% 17-Mar-20 A 30-Jul-20 01-May-20 30-Jul-20 10-Aug-20 06-Nov-20 69.0d 26-Aug-20 Engineering and Main S1PC03041050 Rolling Stock and Maint. Vehicle Training Modules - Develop, Review and Finalise all the Course Module 64.0d 0% 01-May-20 31-Jul-20 01-May-20 31-Jul-20 20-Jul-20 19-Oct-20 54.00 S1PC03041060 Depot Equipment Training Modules - Develop, review and Finalise all the Course Module 40.0d 0% 06-Mar-20 A 30-Jun-20 2.0d 01-May-20 30-Jun-20 05-May-20 02-Jul-20 S1PC03041070 6.0d ATC and SystemsTraining Modules - Develop, Review and Finalise all the Course Module 40.0d 0% 02-Mar-20 A 31-Jul-20 01-May-20 31-Jul-20 11-May-20 10-Aug-20 S1PC03041080 Power Supply, TPPS Training Modules - Develop, review and Finalise all the Course Module 40.0d 100% 06-Mar-20 A 30-Apr-20 A S1PC03041090 Civil and Tracks Training Modules - Develop, review and Finalise all the Course Module 40.0d 0% 03-Apr-20 A 31-Jul-20 01-May-20 31-Jul-20 20-May-20 19-Aug-20 13.0d S1PC03041100 Facilities and BS Training Modules - Develop, review and Finalise all the Course Module 40.0d 0% 01-Jul-20 26-Aug-20 01-Jul-20 26-Aug-20 08-Jul-20 01-Sep-20 4.0d Training Delivery and Assessment 184.0d 16-Dec-19 A 24-Jan-21 01-May-20 24-Jan-21 28-May-20 25-Feb-21 24.0d ▼ 24-Jan-21 ▼ 26-Mar-20 A Key Instructor (KI) Training S1PC03051000 Batch 1 - Conduct Key Instructor (KI) Training 10.0d 100% 24-Mar-20 A 26-Mar-20 A ▼ 14-Jan-21 Support Services 14-Jan-21 S1PC03051020 Batch 1 (Jan 20) - Induction, General and HSQE Training 10.0d 100% 15-Jan-20 A 29-Jan-20 A Date Revision Checked Approved Remaining Work Milestone Page 7 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Samrat Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) ALL ACTIVITY LAYOUT Activity ID Activity % Start Remaining Original Remaining Remaining Remaining Duration Late Start Late Finish | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | S1PC03051030 Batch 2 (Feb 20) - Induction, General and HSQE Training 10.0d 100% 06-Feb-20 A 20-Feb-20 A S1PC03051040 100% 17-Mar-20 A 30-Mar-20 A Batch 3 (Mar 20) - Induction, General and HSQE Training 10.0d S1PC03051050 Batch 4 (Apr 20) - Induction, General and HSQE Training 10.0d 100% 10-Apr-20 A 23-Apr-20 A S1PC03051060 Batch 5 (May 20) - Induction, General and HSQE Training 10.0d 0% 01-May-20 14-May-20 01-May-20 14-May-20 30-Sep-20 14-Oct-20 105.00 S1PC03051070 Batch 6 (Jun 20) - Induction, General and HSQE Training 10.0d 0% 01-Jun-20 12-Jun-20 01-Jun-20 12-Jun-20 29-Oct-20 12-Nov-20 105.0 S1PC03051080 01-Jul-20 15-Jul-20 Batch 7 (Jul 20) - Induction, General and HSQE Training 10.0d 0% 01-Jul-20 15-Jul-20 02-Dec-20 15-Dec-20 105.00 S1PC03051090 Batch 8 (Aug 20) - Induction, General and HSQE Training 10.0d 0% 03-Aug-20 14-Aug-20 03-Aug-20 14-Aug-20 16-Dec-20 28-Dec-20 93.00 S1PC03051100 10.0d 0% 01-Sep-20 15-Sep-20 01-Sep-20 15-Sep-20 29-Dec-20 12-Jan-21 82.00 Batch 9 (Sep 20) - Induction, General and HSQE Training S1PC03051101 Batch 10 (Oct 20) - Induction, General and HSQE Training 10.0d 0% 01-Oct-20 15-Oct-20 01-Oct-20 15-Oct-20 13-Jan-21 27-Jan-21 71.00 S1PC03051102 Batch 11 (Nov 20) - Induction, General and HSQE Training 10.0d 0% 02-Nov-20 16-Nov-20 02-Nov-20 16-Nov-20 28-Jan-21 10-Feb-21 60.0 S1PC03051103 Batch 12 (Dec 20/Jan 21) - Induction, General and HSQE Training 10.0d 0% 31-Dec-20 14-Jan-21 31-Dec-20 14-Jan-21 11-Feb-21 25-Feb-21 28.00 28-Oct-20 Ops. Management ▼ 03-Sep-20 ■ S1PC03051010 Head of Operations (x 1) - Mandatory Competency training (MC = 78 TD, 124 CD) 124.0d 0% 01-May-20 03-Sep-20 01-May-20 03-Sep-20 04-Jul-20 06-Nov-20 62.0d 28-Oct-20 S1PC03051110 Train and Station Supervisor (x3) - Mandatory Competency training (MC = 80 TD, 128 CD, TC = 12 days) 73.0d 9% 03-Feb-20 A 26-Aug-20 01-May-20 26-Aug-20 12-Jul-20 06-Nov-20 70.0d S1PC03051130 Station Operator (x 12, Batch-1) - Mandatory Competency training (MC = 49 TD, 79 CD, TC = 12 days) 73.0d 15% 06-Apr-20 A 06-Aug-20 31-May-20 06-Aug-20 30-Aug-20 06-Nov-20 90.00 S1PC03051140 Station Operator (x 13, Batch-2) - Mandatory Competency training (MC = 49 TD, 79 CD) 79.0d 0% 01-Aug-20 20-Oct-20 01-Aug-20 20-Oct-20 18-Aug-20 06-Nov-20 17.0d S1PC03051141 Train Operator (x 2) - Mandatory Competency training (MC = 60 TD, 97 CD, TC = 12 days part of SO Training) 97.0d 12% 06-Apr-20 A 06-Aug-20 12-May-20 06-Aug-20 12-Aug-20 06-Nov-20 90.00 S1PC03051141-A Train Operator (x 7) - Mandatory Competency training (MC = 60 TD, 97 CD, TC = 00 days part of SO Training) 97.0d 0% 01-Jul-20 07-Oct-20 01-Jul-20 07-Oct-20 31-Jul-20 06-Nov-20 29.00 S1PC03051142 Senior Station Operator (x 3) - Mandatory Competency training (MC = 99 TD, 159 CD, TC = 12 days part of SO Training) 159.0d 8% 06-Apr-20 A 28-Oct-20 01-Jun-20 28-Oct-20 10-Jun-20 06-Nov-20 9.00 S1PC03051143 Train and Stations Manager - Mandatory Competency training (MC = 60 TD, 96 CD) 0% 01-May-20 06-Aug-20 01-May-20 06-Aug-20 01-Aug-20 06-Nov-20 90.0d S1PC03051120 Train Controller / Yard Controller (x 7) - Mandatory Competency training (MC = 80 TD, 129 CD, TC = 12 days) 73.0d 9% 16-Dec-19 A 27-Aug-20 01-May-20 27-Aug-20 11-Jul-20 06-Nov-20 69.00 S1PC03051150 OCC Supervisor (x 4) - Mandatory Competency training (MC = 107 TD, 172 CD, TC = 12 days) 60 0d 10% 13-Jan-20 A 10-Oct-20 01-May-20 10-Oct-20 28-May-20 06-Nov-20 26 Oc S1PC03051151 Information Controller (x 4) - Mandatory Competency training (MC = 39 TD, 63 CD) 63.0d 0% 01-Aug-20 03-Oct-20 01-Aug-20 03-Oct-20 03-Sep-20 06-Nov-20 33.00 S1PC03051152 Engineering and Fault Controller (x 5) - Mandatory Competency training (MC = 83 TD, 133 CD, TC = 12 days) 149.0d 9% 07-Apr-20 A 31-Aug-20 01-May-20 31-Aug-20 07-Jul-20 06-Nov-20 65.00 S1PC03051153 OCC Manager - Mandatory Competency training (MC = 93 TD, 149 CD, TC = 12 days) 137.0d 8% 08-Apr-20 A 17-Sep-20 01-May-20 17-Sep-20 20-Jun-20 06-Nov-20 49.00 184.0c ▼ 24-Jan-21 S1PC03051160 RSK Supervisor (x 1) - Mandatory Competency training (MC = 76 TD, 122 CD) 122.0d 0% 01-Jul-20 02-Nov-20 01-Jul-20 02-Nov-20 06-Jul-20 06-Nov-20 4.0d S1PC03051161 RSK PM Lead Technician (x2) and CM Lead Technician (x2) - Mandatory Competency Training (MC = 69 TD, 110 CD)# Batch 1 110.0d 0% 01-Jul-20 21-Oct-20 01-Jul-20 21-Oct-20 18-Jul-20 06-Nov-20 16.0c S1PC03051162 RSK PM and CM Technician (1+2) - Mandatory Competency training (MC = 69 TD, 110 CD) # Batch 1 110.0d 0% 01-Jul-20 21-Oct-20 01-Jul-20 21-Oct-20 18-Jul-20 06-Nov-20 16.0c S1PC03051163 RSK PM Lead Technician (x 2) and CM Lead Technician (x 2) - Mandatory Competency Training (MC = 69 TD, 110 CD)# Batch 2 110.0d 0% 01-Oct-20 24-Jan-21 01-Oct-20 24-Jan-21 02-Nov-20 25-Feb-21 31.0 S1PC03051164 RSK PM and CM Technician (3+3) - Mandatory Competency training (MC = 69 TD, 110 CD) # Batch 2 110.0d 0% 01-Oct-20 24-Jan-21 01-Oct-20 24-Jan-21 02-Nov-20 25-Feb-21 31.00 S1PC03051165 RSK and Depot Manager (x 1) - Mandatory Competency training (MC = 48 TD, 77 CD) 0% 11-Aug-20 28-Oct-20 11-Aug-20 28-Oct-20 20-Aug-20 06-Nov-20 9.00 S1PC03051170 Maintenance Vehicle & Depot Equipment Lead Technician (x1) - Mandatory Competency training (MC = 64 TD, 102 CD) 102.0d 0% 01-Jul-20 13-Oct-20 01-Jul-20 13-Oct-20 26-Jul-20 06-Nov-20 24 Oc S1PC03051171 101.0d Depot Equipment Technician (x3)- Mandatory Competency training (M C= 63 TD, 101 CD) # Batch 1 0% 01-Jul-20 11-Oct-20 01-Jul-20 11-Oct-20 27-Jul-20 06-Nov-20 25.0 S1PC03051171-A Depot Equipment Technician (x2) - Mandatory Competency training (M C= 63 TD, 101 CD) # Batch 2 101.0d 0% 01-Aug-20 12-Nov-20 01-Aug-20 12-Nov-20 12-Nov-20 25-Feb-21 100.00 S1PC03051172 Maintenance Vehicle Technician (x 2) - Mandatory Competency training (MC = 45 TD, 71 CD) 71.0d 0% 01-May-20 01-May-20 12-Jul-20 115.0d 12-Jul-20 26-Aug-20 06-Nov-20 S1PC03051180 Warehouse Supervisor (x 1) - Mandatory Competency training (MC = 11 TD, 18 CD) 18.0d 0% 01-Oct-20 19-Oct-20 01-Oct-20 19-Oct-20 20-Oct-20 06-Nov-20 18.0d S1PC03051181 Warehouse Keeper (x 5) - Mandatory Competency training (MC = 11 TD, 18 CD) 18.0d 0% 31-Dec-20 19-Jan-21 31-Dec-20 19-Jan-21 07-Feb-21 25-Feb-21 36.0d ATC and System 29-Oct-20 S1PC03051190 29-Oct-20 8.0d Comms. Technical Administrator (x 1) - Mandatory Competency training (MC = 46 TD, 74 CD) 74.0d 0% 15-Aug-20 29-Oct-20 15-Aug-20 23-Aug-20 06-Nov-20 S1PC03051191 ATC/SCADA Technical Administrator (x 1) - Mandatory Competency training (MC = 22 TD, 36 CD) 36.0d 0% 15-Aug-20 20-Sep-20 15-Aug-20 20-Sep-20 01-Oct-20 06-Nov-20 46.00 S1PC03051192 01-Sep-20 21-Oct-20 18-Sep-20 16.0d ATC and Systems Manager (x 1) - Mandatory Competency training (MC = 30 TD, 49 CD) 49.0d 0% 01-Sep-20 21-Oct-20 06-Nov-20 S1PC03051193 ATC Lead Technician (x 2) - Mandatory Competency training (MC = 27 TD, 43 CD) 43.0d 0% 01-Sep-20 15-Oct-20 01-Sep-20 15-Oct-20 24-Sep-20 06-Nov-20 22.0d S1PC03051194 02-Oct-20 01-Sep-20 02-Oct-20 06-Oct-20 06-Nov-20 34.0d ATC Technician On-Board (x 2) - Mandatory Competency training (MC = 20 TD, 31 CD) 31.0d 0% 01-Sep-20 S1PC03051195 40.0d 0% 01-Sep-20 11-Oct-20 01-Sep-20 11-Oct-20 27-Sep-20 06-Nov-20 25.0d ATC Technician Wayside (x 4) - Mandatory Competency training (MC = 25 TD, 40 CD) S1PC03051196 Comms and SCADA Technician (x 3) - Mandatory Competency training (MC = 54 TD, 86 CD) 0% 01-Aug-20 27-Oct-20 01-Aug-20 27-Oct-20 11-Aug-20 06-Nov-20 10.0d Date Revision Checked Approved Remaining Work Milestone Page 8 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Samrat Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run

Michele

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Mandatory Competency training (MC = 65 TD, 104 CD) S1PC03051221 49.0d 0% 01-Aug-20 19-Sep-20 01-Aug-20 19-Sep-20 18-Sep-20 06-Nov-20 47.0d Track Inspector (x 1) - Mandatory Competency training (MC = 31 TD, 49 CD) S1PC03051222 Track Lead Repairmen (x 2) - Mandatory Competency training (MC = 47 TD, 75 CD) 75.0d 0% 01-Aug-20 16-Oct-20 01-Aug-20 16-Oct-20 22-Aug-20 06-Nov-20 21.00 S1PC03051223 Track Repairmen (x 3) - Mandatory Competency training (MC = 48 TD, 77 CD, TC = 25 days) 86.0d 33% 01-Apr-20 A 22-Jun-20 01-May-20 22-Jun-20 15-Sep-20 06-Nov-20 134.00 S1PC03051224 77.0d 0% 01-Aug-20 01-Aug-20 06-Nov-20 19.0d Track Repairmen (x 4) - Mandatory Competency training (MC = 48 TD, 77 CD) 18-Oct-20 18-Oct-20 20-Aug-20 S1PC03051225 Maintenance of Way (MoW) Manager (x 1) - Mandatory Competency training (MC = 44 TD, 71 CD) 71.0d 0% 11-Aug-20 22-Oct-20 11-Aug-20 22-Oct-20 26-Aug-20 06-Nov-20 15.0d S1PC03051230 Cleaning & Landscaping Supervisor (x 1) - Mandatory Competency training (MC = 4 TD, 7 CD) 7.0d 0% 01-Oct-20 07-Oct-20 01-Oct-20 07-Oct-20 31-Oct-20 06-Nov-20 29.0d S1PC03051231 0% 01-May-20 12-Jul-20 01-May-20 12-Jul-20 06-Nov-20 Facilities Manager (x 1) - Mandatory Competency training (MC = 45 TD, 71 CD) 71.0d 26-Aug-20 115.00 S1PC03051232 Building Services Supervisor (x 1) - Mandatory Competency training (MC = 38 TD, 60 CD) 60.0d 0% 01-Aug-20 30-Sep-20 01-Aug-20 30-Sep-20 06-Sep-20 06-Nov-20 36.00 S1PC03051240 Building Services Technician (x 5) - Mandatory Competency training (MC = 40 TD, 64 CD) 64.0d 0% 27-Aug-20 31-Oct-20 27-Aug-20 31-Oct-20 02-Sep-20 06-Nov-20 6.0d S1PC03051250 Rolling Stock Engineer (x 1) - Mandatory Competency training (MC = 55 TD, 88 CD) 88.0d 0% 07-Aug-20 04-Nov-20 07-Aug-20 04-Nov-20 09-Aug-20 06-Nov-20 2.0d S1PC03051251 ATC & Systems Engineer (x 1) - Mandatory Competency training (MC = 28 TD, 45 CD) 45.0d 0% 01-Sep-20 04-Nov-20 01-Sep-20 04-Nov-20 03-Sep-20 06-Nov-20 2.0d S1PC03051252 29.0d 0% 01-May-20 30-May-20 01-May-20 30-May-20 08-Oct-20 06-Nov-20 157.0c Civil and Track Engineer (x 1) - Mandatory Competency training (MC = 18 TD, 29 CD) S1PC03051253 Electrical and Building Services Engineer (x 1) - Mandatory Competency training (MC = 37 TD, 58 CD) 58.0d 0% 01-May-20 23-Jul-20 01-May-20 23-Jul-20 17-Aug-20 06-Nov-20 74.00 S1PC10071031 MMIS Specialist (x 1) - Mandatory Competency training (MC = 4 TD, 7 CD) 0% 01-Aug-20 07-Aug-20 01-Aug-20 07-Aug-20 31-Oct-20 06-Nov-20 89.00 S1PC10071032 Engineering and Asset Manager (x 1) - Mandatory Competency training (MC = 12 TD, 20 CD) 20.0d 0% 01-Jul-20 29-Jul-20 01-Jul-20 29-Jul-20 09-Oct-20 06-Nov-20 70.00 Technical Deliverables 15-Mar-19 A 234 0d 30-Apr-20 A 30-Apr-20 A Management Plans and Policies 234.0d 5-Mar-19 A 30-Apr-20 A 30-Apr-20 A O&M Provider - QA Pla PL= Bronze 76.0d 15-Mar-19 A 16-Jul-19 A 16-Jul-19 A S1PC04011000 BRONZE: Draft Submission of the QA Plan 100% 15-Mar-19 A 76.0d S1PC04011010 BRONZE: First Review by HRH and issue comment sheet on draft plans 10.0d 100% 02-Jul-19 A 16-Jul-19 A 20.0d 17-Jul-19 A 29-Aug-19 A 29-Aug-19 A S1PC04011020 SILVER: Incorporate comments and update the draft plan 10 0d 100% 17-Jul-19 A 30-Jul-19 A S1PC04011030 SILVER: Submission of the Plan to HART 2.0d 100% 31-Jul-19 A 01-Aug-19 A S1PC04011040 SILVER: Review by HART, issue final comment sheet 20.0d 100% 02-Aug-19 A 29-Aug-19 A PL= Gold 234.0d 30-Aug-19 A 30-Apr-20 A 30-Apr-20 A S1PC04011050 GOLD: Holds discussion, incorporate comments and finalise/complete the Plan (part of GOLD Submission) 40.0d 100% 30-Aug-19 A 29-Apr-20 A S1PC04011060 2.0d 100% 30-Apr-20 A GOLD: Final Doc check and submit the QA Plan for Fomal Approval 30-Apr-20 A m Plan (O&M Provider Safety Pla Mar-20 A PL= Bronze 76.0d 15-Mar-19 A 16-Jul-19 A 16-Jul-19 A S1PC04011280 BRONZE: Draft Submission of SSP Plan 76.0d 100% 15-Mar-19 A 01-Jul-19 A S1PC04011290 BRONZE: First Review by HRH and issue comment sheet on draft plan 10.0d 100% 02-Jul-19 A 16-Jul-19 A 17-Jul-19 A PL= Silver 20 0d 29-Aug-19 A 29-Aug-19 A S1PC04011300 10.0d 100% 17-Jul-19 A 30-Jul-19 A SILVER: Incorporate comments and update the draft plan S1PC04011310 2.0d SILVER: Submission of the Plan to HART 100% 31-Jul-19 A 01-Aug-19 A S1PC04011340 SILVER: Review by HART, issue final comment sheet 100% 02-Aug-19 A 29-Aug-19 A PL= Gold 234.0d 30-Aug-19 A 23-Mar-20 A S1PC04011320 GOLD: Holds discussion, incorporate comments and finalise/complete the Plan (part of GOLD Submission) 56.0d 100% 30-Aug-19 A 22-Mar-20 A GOLD: Final Doc check and submit the SSP Plan for Fomal Approval S1PC04011330 2 0d 100% 23-Mar-20 A 23-Mar-20 A PL= Bronze 70.0d 25-Mar-19 A 23-Jul-19 A ▼ 23-Iul-19 A S1PC04011140 BRONZE: Draft Submission of the Emergency MGMT. Plan 70.0d 100% 25-Mar-19 A 01-Jul-19 A S1PC04011150 BRONZE: First Review by HRH and issue comment sheet on draft plan 15.0d 100% 02-Jul-19 A 23-Jul-19 A Date Revision Checked Approved Remaining Work Milestone Page 9 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Samrat Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) ALL ACTIVITY LAYOUT Activity ID Original Activity % Start Remaining Remaining Remaining QQ Remaining Early Finish Late Start Late Finish Float M A M J Jul A S O N D J F M A M J Jul A S O N D J F M A M PL= Silver 20.0d 24-Jul-19 A 06-Sep-19 A S1PC04011160 SILVER: Incorporate comments and update the draft plan 10.0d 100% 24-Jul-19 A 06-Aug-19 A S1PC04011170 100% 07-Aug-19 A 08-Aug-19 A SILVER: Submission of the Emergency MGMT. Plan to HART 2.0d S1PC04011200 SILVER: Review by HART, issue final comment sheet 20.0d 100% 09-Aug-19 A 06-Sep-19 A PL= Gold 234.0d 09-Sep-19 A 23-Mar-20 A Mar-20 A S1PC04011180 GOLD: Holds discussion, incorporate comments and finalise/complete the Plan (part of GOLD Submission) 35.0d 100% 09-Sep-19 A 22-Mar-20 A S1PC04011190 GOLD: Final Doc check and submit the Emergency MGMT. Plan for Fomal Approval 100% 23-Mar-20 A 23-Mar-20 A Mar-20 A PL= Bronze 70.0d 25-Mar-19 A 16-Jul-19 A 16-Jul-19 A S1PC04011210 BRONZE: Draft Submission of the ENV. MGMT. Plan 100% 25-Mar-19 A 01-Jul-19 A 70.0d S1PC04011220 BRONZE: First Review by HRH and issue comment sheet on draft plan 100% 02-Jul-19 A 16-Jul-19 A 20.0d 17-Jul-19 A 29-Aug-19 A PL= Silver 29-Aug-19 A S1PC04011230 SILVER: Incorporate comments and update the draft plan 100% 17-Jul-19 A 30-Jul-19 A S1PC04011240 SILVER: Submission of the ENV. MGMT. Plan to HART 2.0d 100% 31-Jul-19 A 01-Aug-19 A S1PC04011270 SILVER: Review by HART, issue final comment sheet 20.0d 100% 02-Aug-19 A 29-Aug-19 A 30-Aug-19 A 23-Mar-20 A PL= Gold 234.0d S1PC04011250 GOLD: Holds discussion, Incorporate comments and finalise/complete the Plan (part of GOLD Submission) 40.0d 100% 30-Aug-19 A 22-Mar-20 A S1PC04011260 GOLD: Final Doc check and submit the ENV. MGMT. Plan for Fomal Approval 2 0d 100% 23-Mar-20 A 23-Mar-20 A 30-Apr-20 A PY= Bronze 15-Mar-19 A 16-Jul-19 A ▼ :16-.lul-19 A 76 0d S1PC04011070 BRONZE: Draft Submission of all the HSEQ Policies (x 3) 76.0d 100% 15-Mar-19 A 01-Jul-19 A S1PC04011080 BRONZE: First Review by HRH and issue comment sheet on draft Policies 10.0d 100% 02-Jul-19 A 16-Jul-19 A PY= Silver 17-Jul-19 A 29-Aug-19 A 29-Aug-19 A S1PC04011090 SILVER: Incorporate comments and update the draft Policies 10.0d 100% 17-Jul-19 A 30-Jul-19 A S1PC04011100 SILVER: Submission of all the HSEQ Policies (x 3) to HART 2.0d 100% 31-Jul-19 A 01-Aug-19 A SILVER: Review by HART, issue final comment sheet S1PC04011130 20.0d 100% 02-Aug-19 A 29-Aug-19 A PY= Gold 234.0d 30-Aug-19 A 30-Apr-20 A S1PC04011110 GOLD: Holds discussion, incorporate comments and finalise/complete the HSEQ Policies (part of GOLD Submission) 40.0d 100% 30-Aug-19 A 29-Apr-20 A S1PC04011120 GOLD: Final Doc check and submit all the HSEQ Policies (x 3) for Fomal Approval 2.0d 100% 30-Apr-20 A 30-Apr-20 A Procedures ▼ 23 Mar-20 A General HSQE Mar-20 A PR= Bronze 76.0d 15-Mar-19 A 16-Jul-19 A ▼ :16-Jul-19 A S1PC04011350 100% 15-Mar-19 A 01-Jul-19 A BRONZE: Draft Submission of all the General HSEQ Procedures 76.0d S1PC04011360 BRONZE: First Review by HRH and issue comment sheet on draft Procedures 10.0d 100% 02-Jul-19 A 16-Jul-19 A PR= Silver 17-Jul-19 A 29-Aug-19 A 20.0d 29-Aug-19 A S1PC04011370 SILVER: Incorporate comments and update the draft Procedures 10.0d 100% 17-Jul-19 A 30-Jul-19 A S1PC04011380 SILVER: Submission of all the General HSEQ Procedures to HART 2.0d 100% 31-Jul-19 A 01-Aug-19 A S1PC04011410 SILVER: Review by HART, issue final comment sheet 20.0d 100% 02-Aug-19 A 29-Aug-19 A 30-Aug-19 A 23-Mar-20 A Mar-20 A PR= Gold S1PC04011390 GOLD: Holds discussion, incorporate comments and finalise/complete the General HSEQ Procedures (part of GOLD Submission) 100% 30-Aug-19 A 22-Mar-20 A S1PC04011400 GOLD: Final Doc check and submit all the General HSEQ Procedures for Formal Approval 2.0d 100% 23-Mar-20 A 23-Mar-20 A Mar-20 A PR= Bronze 25-Mar-19 A 16-Jul-19 A 70.0d 16-Jul-19 A S1PC04011420 BRONZE: Draft Submission of all the H&S Procedures 100% 25-Mar-19 A 01-Jul-19 A S1PC04011430 BRONZE: First Review by HRH and issue comment sheet on draft Procedures 10.0d 100% 02-Jul-19 A 16-Jul-19 A 20.0d 17-Jul-19 A 29-Aug-19 A 29-Aug-19 A S1PC04011440 SILVER: Incorporate comments and update the draft Procedures 10.0d 100% 17-Jul-19 A 30-Jul-19 A S1PC04011450 SILVER: Submission of all the H&S Procedures to HART 2.0d 100% 31-Jul-19 A 01-Aug-19 A S1PC04011480 SILVER: Review by HART, issue final comment sheet 20.0d 100% 02-Aug-19 A 29-Aug-19 A 30-Aug-19 A 23-Mar-20 A Mar-20 A

S1PC04011460 GOLD: Holds discussion, incorporate comments and finalise/complete the H&S Procedures (part of GOLD Submission) 58.0d 100% | 30-Aug-19 A | 22-Mar-20 A S1PC04011470 GOLD: Final Doc check and submit all the H&S Procedures for Fomal Approval 100% 23-Mar-20 A 23-Mar-20 A 23 Mar-20 A Revision Checked Approved Remaining Work Milestone Page 10 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work summary 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

### APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT

	Activity Name	Original Duration		Finish	Remaining Remaining Early Start Early Finis	Remaining Late Finish	Total Float	M A M	Q Q J Jul A S O N D	Q J F M A	Q Jul	A S O N	Q Q
PR= Bronze		76.0d	15-Mar-19 A	16-Jul-19 A			1		16- Jul-19 A	7 0 1 1 1 1	I WI O OUT	X 0 0 1.	
S1PC04011490	BRONZE: Draft Submission of all the QA Procedures	76.0d		01-Jul-19 A									
S1PC04011500	BRONZE: First Review by HRH and issue comment sheet on draft Procedures	10.0d	100% 02-Jul-19 A	16-Jul-19 A									
PR= Silver		20.0d		29-Aug-19 A					29-Aug-19 A	1 1			
S1PC04011510	SILVER: Incorporate comments and update the draft Procedures	10.0d		30-Jul-19 A					237ag-137				
S1PC04011520	SILVER: Submission of all the QA Procedures to HART	2.0d		01-Aug-19 A									
S1PC04011550	SILVER: Review by HART, issue final comment sheet	20.0d	-										
PR= Gold	GOLD: Holds discussion, incorporate comments and finalise/complete the QA Procedures (part of GOLD Submission)	234.0d								23	3-Mar-20 A		
S1PC04011530	, , , , , , , , , , , , , , , , , , , ,	58.0d								<u> </u>			
S1PC04011540	GOLD: Final Doc check and submit all the QA Procedures for Fornal Approval	2.0d								1 1 00			
Environment PR= Bronze		234.0d 76.0d		23-Mar-20 A 16-Jul-19 A				V : :	▼ 16-Jul-19 A	23	Mar-20 A		
S1PC04011560	BRONZE: Draft Submission of all the Environmental Procedures	76.0d		01-Jul-19 A			'		▼ 10-Jul-19 A				
S1PC04011570	BRONZE: First Review by HRH and issue comment sheet on draft Procedures	10.0d		16-Jul-19 A					<b>_</b>				
	BRONZE. Filst Review by First and issue confinent sheet ortifiant Flocedules							1 1			1 1		
PR= Silver	SIII/EP- Incorporate comments and undate the draft Procedures	20.0d		29-Aug-19 A					29-Aug-19 A				
S1PC04011580	SILVER: Incorporate comments and update the draft Procedures	10.0d		30-Jul-19 A									
S1PC04011590	SILVER: Submission of all the Environmental Procedures to HART	2.0d		01-Aug-19 A									
S1PC04011620	SILVER: Review by HART, issue final comment sheet	20.0d											
PR= Gold		234.0d						1	<b>+</b>	23	Mar-20 A		
S1PC04011600	GOLD: Holds discussion, incorporate comments and finalise/complete the Env. Procedures (part of GOLD Submission)	58.0d	100% 30-Aug-19 A	22-Mar-20 A						1 : :			
S1PC04011610	GOLD: Final Doc check and submit all the Environmental Procedures for Fomal Approval	2.0d	100% 23-Mar-20 A	23-Mar-20 A									
Work Instructions (WI)		234.0d	15-Mar-19 A	23-Mar-20 A			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<b>V</b>		23	Mar-20 A		
General HSQE		234.0d					1	V		23	Mar-20 A		
WI= Bronze		76.0d					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	•	16-Jul-19 A				
S1PC04011630	BRONZE: Draft Submission of all the General HSEQ WI	76.0d		01-Jul-19 A					- : :   : : :				
S1PC04011640	BRONZE: First Review by HRH and issue comment sheet on draft WI	10.0d	100% 02-Jul-19 A	16-Jul-19 A									
WI= Silver		20.0d	17-Jul-19 A	29-Aug-19 A					29-Aug-19 A				
S1PC04011650	SILVER: Incorporate comments and update the draft WI	10.0d	100% 17-Jul-19 A	30-Jul-19 A									
S1PC04011660	SILVER: Submission of all the General HSEQ WI to HART	2.0d	100% 31-Jul-19 A	01-Aug-19 A									
S1PC04011690	SILVER: Review by HART, issue final comment sheet	20.0d	100% 02-Aug-19 A	29-Aug-19 A									
WI= Gold		234.0d	30-Aug-19 A	23-Mar-20 A					<b>+</b>	23	Mar-20 A	111	
S1PC04011670	GOLD: Holds discussion, incorporate comments and finalise/complete the General HSEQ WI (part of GOLD Submission)	58.0d	100% 30-Aug-19 A	22-Mar-20 A									
S1PC04011680	GOLD: Final Doc check and submit all the General HSEQ WI for Fomal Approval	2.0d	100% 23-Mar-20 A	23-Mar-20 A									
Health and Safety		234.0d	15-Mar-19 A	23-Mar-20 A			1	-		23	Mar-20 A		
WI= Bronze		76.0d	15-Mar-19 A	16-Jul-19 A			,	-	▼ 16-Jul-19 A				
S1PC04011700	BRONZE: Draft Submission of all the H&S WI	76.0d	100% 15-Mar-19 A	01-Jul-19 A				<del></del>	<b>=</b>				
S1PC04011710	BRONZE: First Review by HRH and issue comment sheet on draft WI	10.0d	100% 02-Jul-19 A	16-Jul-19 A									
WI= Silver	·	20.0d	17-Jul-19 A	29-Aug-19 A					29-Aug-19 A				
S1PC04011720	SILVER: Incorporate comments and update the draft WI	10.0d		30-Jul-19 A									
S1PC04011730	SILVER: Submission of all the H&S WI to HART	2.0d	100% 31-Jul-19 A	01-Aug-19 A									
S1PC04011760	SILVER: Review by HART, issue final comment sheet	20.0d											
WI= Gold	,	234.0d		23-Mar-20 A						22	3-Mar-20 A		
TII- Gold	GOLD: Holds discussion, incorporate comments and finalise/complete the H&S WI (part of GOLD Submission)	58.0d											
S1PC04011740	,		_										
	GOLD: Final Doc check and submit all the H&S WI for Formal Approval	2 04	100% 23-Mar-20 A							1 1 1 1 1 1		: 1 :	1 1 1
S1PC04011750	GOLD: Final Doc check and submit all the H&S WI for Fomal Approval	2.0d						1 1			Marian		
S1PC04011750  Quality Assurance	GOLD: Final Doc check and submit all the H&S WI for Fomal Approval	234.0d	15-Mar-19 A	23-Mar-20 A			Ţ	•	7 16. Jul 19 A	23	3-Mar-20 A		
S1PC04011750  Quality Assurance  WI= Bronze		234.0d 76.0d	15-Mar-19 A 15-Mar-19 A	23-Mar-20 A 16-Jul-19 A			1		▼ 16-Jul-19 A	23	Mar-20 A		
S1PC04011750  Quality Assurance  WI= Bronze  S1PC04011770	BRONZE: Draft Submission of all the QAWI	234.0d 76.0d 76.0d	15-Mar-19 A 15-Mar-19 A 100% 15-Mar-19 A	23-Mar-20 A 16-Jul-19 A 01-Jul-19 A					▼ 16-Jul-19 A	23	3-Mar-20 A		
S1PC04011750  Quality Assurance  WI= Bronze  S1PC04011770  S1PC04011780		234.0d 76.0d 76.0d 10.0d	15-Mar-19 A 15-Mar-19 A 100% 15-Mar-19 A 100% 02-Jul-19 A	23-Mar-20 A 16-Jul-19 A 01-Jul-19 A 16-Jul-19 A							3-Mar-20 A		
\$1PC04011740 \$1PC04011750 Quality Assurance WI= Bronze \$1PC04011770 \$1PC04011780 WI= Silver	BRONZE: Draft Submission of all the QA WI BRONZE: First Review by HRH and issue comment sheet on draft WI	234.0d 76.0d 76.0d 10.0d 20.0d	15-Mar-19 A 15-Mar-19 A 100% 15-Mar-19 A 100% 02-Jul-19 A 17-Jul-19 A	23-Mar-20 A 16-Jul-19 A 01-Jul-19 A 16-Jul-19 A 29-Aug-19 A					29-Aug-19 A		3-Mari-20 A		
\$1PC04011750  Quality Assurance  WI= Bronze  \$1PC04011770  \$1PC04011780  WI= Silver  \$1PC04011790	BRONZE: Draft Submission of all the QAWI BRONZE: First Review by HRH and issue comment sheet on draft WI SILVER: Incorporate comments and update the draft WI	234.0d 76.0d 76.0d 10.0d 20.0d 10.0d	15-Mar-19 A 15-Mar-19 A 100% 15-Mar-19 A 100% 02-Jul-19 A 17-Jul-19 A 17-Jul-19 A	23-Mar-20 A 16-Jul-19 A 01-Jul-19 A 16-Jul-19 A 29-Aug-19 A 30-Jul-19 A							3-Mar-20 A		
\$1PC04011750  Quality Assurance  WI= Bronze  \$1PC04011770  \$1PC04011780  WI= Silver  \$1PC04011790  \$1PC04011800	BRONZE: Draft Submission of all the QA WI BRONZE: First Review by HRH and issue comment sheet on draft WI SILVER: Incorporate comments and update the draft WI SILVER: Submission of all the QA WI to HART	234.0d 76.0d 76.0d 10.0d 20.0d 10.0d 2.0d	15-Mar-19 A 15-Mar-19 A 100% 15-Mar-19 A 100% 02-Jul-19 A 17-Jul-19 A 100% 17-Jul-19 A 100% 31-Jul-19 A	23-Mar-20 A 16-Jul-19 A 01-Jul-19 A 16-Jul-19 A 29-Aug-19 A 30-Jul-19 A 01-Aug-19 A					29-Aug-19 A		Mar-20 A		
\$1PC04011750  Quality Assurance  WI= Bronze  \$1PC04011770  \$1PC04011780  WI= Silver  \$1PC04011790	BRONZE: Draft Submission of all the QAWI BRONZE: First Review by HRH and issue comment sheet on draft WI SILVER: Incorporate comments and update the draft WI	234.0d 76.0d 76.0d 10.0d 20.0d 10.0d	15-Mar-19 A 15-Mar-19 A 100% 15-Mar-19 A 100% 02-Jul-19 A 17-Jul-19 A 100% 17-Jul-19 A 100% 31-Jul-19 A	23-Mar-20 A 16-Jul-19 A 01-Jul-19 A 16-Jul-19 A 29-Aug-19 A 30-Jul-19 A 01-Aug-19 A				<b>Y</b>	29-Aug-19 A		8-Mar-20 A		
\$1PC04011750  Quality Assurance  WI= Bronze  \$1PC04011770  \$1PC04011780  WI= Silver  \$1PC04011790  \$1PC04011800	BRONZE: Draft Submission of all the QA WI BRONZE: First Review by HRH and issue comment sheet on draft WI SILVER: Incorporate comments and update the draft WI SILVER: Submission of all the QA WI to HART	234.0d 76.0d 76.0d 10.0d 20.0d 10.0d 2.0d	15-Mar-19 A 15-Mar-19 A 100% 15-Mar-19 A 100% 02-Jul-19 A 17-Jul-19 A 100% 31-Jul-19 A 100% 02-Aug-19 A	23-Mar-20 A 16-Jul-19 A 01-Jul-19 A 16-Jul-19 A 29-Aug-19 A 30-Jul-19 A 01-Aug-19 A				Y	29-Aug-19 A		B-Mar-20 A		

Critical Remaining Work Actual Work

Critical Milestones

Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Subm.ission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev. BL_HART(1 March 21) - with revision in Trial Run	Samrat	Michele

### APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT

	Activity Name		Activity Complet		Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Float M A	M J Jul A		Q Q	<b>I</b>	J Jul A S O	N D J	FIN
S1PC04011810	GOLD: Holds discussion, incorporate comments and finalise/complete the QA WI (part of GOLD Submission)	58.0d	1009	% 30-Aug-19 A	22-Mar-20 A												+++
S1PC04011820	GOLD: Final Doc check and submit all the QA WI for Fomal Approval	2.0d	1009	% 23-Mar-20 A	23-Mar-20 A					1							
Environment		234.0d		15-Mar-19 A	23-Mar-20 A									23-Mar-2	20 A		-
WI= Bronze		76.0d		15-Mar-19 A	16-Jul-19 A					V	16	-Jul-19A					11
S1PC04011840	BRONZE: Draft Submission of all the Environmental WI	76.0d	1009	% 15-Mar-19 A	01-Jul-19 A												
S1PC04011850	BRONZE: First Review by HRH and issue comment sheet on draft WI	10.0d	1009	% 02-Jul-19 A	16-Jul-19 A												
WI= Silver	•	20.0d		17-Jul-19 A	29-Aug-19 A							▼ 29-Aug	1-19 A				++
	SILVER: Incorporate comments and update the draft WI	10.0d	1009	% 17-Jul-19 A	30-Jul-19 A							207100					
_	SILVER: Submission of all the Environmental WI to HART	2.0d		% 31-Jul-19 A	01-Aug-19 A					1							
	SILVER: Review by HART, issue final comment sheet			% 02-Aug-19 A						1							
	SILVER. Review by PARTI, issue illai comment sheet	20.0d	100		_						-			2011			
WI= Gold	COLD. Helds discussion income and a comment and finality (complete the FOCNIII (cost of COLD Othericains)	234.0d	4000	30-Aug-19 A						1		-		23-Mar-20	0A		
_	GOLD: Holds discussion, incorporate comments and finalise/complete the E&S WI (part of GOLD Submission)	58.0d		% 30-Aug-19 A	22-Mar-20 A												
S1PC04011890	GOLD: Final Doc check and submit all the Environmental WI for Fomal Approval	2.0d	1009	% 23-Mar-20 A						1							
_Forms and Register (FR)		234.0d			23-Mar-20 A									23-Mar-2			11
General HSQE		234.0d		15-Mar-19 A	23-Mar-20 A					-	1 1			23-Mar-2	.0 A ; ;		1 1
FR= Bronze	PDONIZE Post Cylomicaian of all the Consent LICEO Farmer / Davietes	76.0d	400	15-Mar-19 A	16-Jul-19 A						<del>-   1</del> €	-Jul-19 A					
_	BRONZE: Draft Submission of all the General HSEQ Forms / Register	76.0d		% 15-Mar-19 A	01-Jul-19 A					:							
S1PC04011920	BRONZE: First Review by HRH and issue comment sheet on draft Forms / Register	10.0d	1009	% 02-Jul-19 A	16-Jul-19 A						-						
FR= Silver		20.0d		17-Jul-19 A	29-Aug-19 A					:		🔻 29-Auģ	J-19 A				: :
S1PC04011930	SILVER: Incorporate comments and update the draft Forms / Register	10.0d	1009	% 17-Jul-19 A	30-Jul-19 A						-						
S1PC04011940	SILVER: Submission of all the General HSEQ Form/ Register to HART	2.0d	1009	% 31-Jul-19 A	01-Aug-19 A					1							
S1PC04011970	SILVER: Review by HART, issue final comment sheet	20.0d	1009	% 02-Aug-19 A	29-Aug-19 A												
FR= Gold		234.0d		30-Aug-19 A	23-Mar-20 A							-		23-Mar-2	20 A		++
	GOLD: Holds discussion, incorporate comments and finalise/complete the General HSEQ Form/ Register (part of GOLD Sub.)	58.0d	1009	% 30-Aug-19 A	22-Mar-20 A					:							
_	GOLD: Final Doc check and submit all the General HSEQ Form/ Register for Fomal Approval	2.0d			23-Mar-20 A												
_	COLD. I Itali Doc check and submit all the Central Free of this register of Fornary proval		100	15-Mar-19 A	23-Mar-20 A					- :	: :		<u></u>	23-Mar-2	20 4		1 1
Health and Safety FR= Bronze		234.0d 76.0d		_	16-Jul-19 A						10	-Jul-19 A		Z3-Iviai-Zi	UA :		++
	BRONZE: Draft Submission of all the H&S Form/ Register	76.0d	1009	% 15-Mar-19 A	01-Jul-19 A						<b>→</b>  10	-Jul-18A					: :
_	•																
_	BRONZE: First Review by HRH and issue comment sheet on draft Form/ Register	10.0d	100	% 02-Jul-19 A	16-Jul-19 A							1 1		1 1			1 1
FR= Silver	000/50	20.0d	400	17-Jul-19 A	29-Aug-19 A							₹ 29-Aug	,-19 A				
_	SILVER: Incorporate comments and update the draft Form/ Register	10.0d		% 17-Jul-19 A	30-Jul-19 A												
S1PC04012010	SILVER: Submission of all the H&S Form/ Register to HART	2.0d	1009	% 31-Jul-19 A	01-Aug-19 A					:							
S1PC04012040	SILVER: Review by HART, issue final comment sheet	20.0d	1009	% 02-Aug-19 A	29-Aug-19 A					1							
FR= Gold		234.0d		30-Aug-19 A	23-Mar-20 A							-		23 Mar-2	20 A		
S1PC04012020	GOLD: Holds discussion, incorporate comments and finalise/complete the H&S Form/ Register (part of GOLD Submission)	58.0d	1009	% 30-Aug-19 A	22-Mar-20 A									<b>—</b>     i			
S1PC04012030	GOLD: Final Doc check and submit all the H&S Form/ Register for Fornal Approval	2.0d	1009	% 23-Mar-20 A	23-Mar-20 A					:							
Quality Assurance		234.0d		15-Mar-19 A	23-Mar-20 A							+ + +		23-Mar-2	20 A		1 1
FR= Bronze		76.0d		15-Mar-19 A						<b>-</b>	7 16	-Jul-19A					11
S1PC04012050	BRONZE: Draft Submission of all the QA Form/ Register	76.0d	1009	% 15-Mar-19 A	01-Jul-19 A												1 1
_	BRONZE: First Review by HRH and issue comment sheet on draft Form/ Register	10.0d	1009	% 02-Jul-19 A	16-Jul-19 A					1							
FR= Silver	,	20.0d		17-Jul-19 A	29-Aug-19 A					1	1 1	₹ 29-Aug	1-19 A		+ ! ! ! -		1 1
	SILVER: Incorporate comments and update the draft Form/ Register	10.0d	100	% 17-Jul-19 A	30-Jul-19 A					1		237100					
_	SILVER: Submission of all the QA Form/ Register to HART	2.0d		% 31-Jul-19 A	01-Aug-19 A												1
_	-				_												
_	SILVER: Review by HART, issue final comment sheet	20.0d	1009		29-Aug-19 A						-						11
FR= Gold		234.0d		30-Aug-19 A	23-Mar-20 A									23-Mar-2	.0A		
_	GOLD: Holds discussion, incorporate comments and finalise/complete the QA Form/ Register (part of GOLD Submission)	58.0d		% 30-Aug-19 A	22-Mar-20 A					1		: :					
S1PC04012100	GOLD: Final Doc check and submit all the QA Form/ Register for Fornal Approval	2.0d	1009	% 23-Mar-20 A	23-Mar-20 A												
Environment		234.0d		15-Mar-19 A	23-Mar-20 A					V				23-Mar-2	.0 A		
FR= Bronze		76.0d		15-Mar-19 A						V	▼ 16	-Jul-19A					1 1
S1PC04012120	BRONZE: Draft Submission of all the Env. Form/ Register	76.0d	1009	% 15-Mar-19 A	01-Jul-19 A												
S1PC04012130	BRONZE: First Review by HRH and issue comment sheet on draft Form/ Register	10.0d	1009	% 02-Jul-19 A	16-Jul-19 A					1							
FR= Silver		20.0d		17-Jul-19 A	29-Aug-19 A						-	₹ 29-Aug	J-19 A				11
	SILVER: Incorporate comments and update the draft Form/ Register	10.0d	1009	% 17-Jul-19 A	30-Jul-19 A												
_	· · · · · · · · · · · · · · · · · · ·												<u> </u>	<u> </u>	<u> </u>	1 1	<u> </u>

Critical Remaining Work Actual Work

Critical Milestones

Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Subm.ission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev. BL_HART (1 March 21) - with revision in Trial Run	Samrat	Michele

APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) ALL ACTIVITY LAYOUT Activity ID Activity % Start Original Remaining Remaining Remaining Remaining Late Start Late Finish Float A M J Jul A S O N D J F M A M J Jul A S O N D J F M A M S1PC04012150 SILVER: Submission of all the Env. Form/ Register to HART 2.0d 100% 31-Jul-19 A 01-Aug-19 A SILVER: Review by HART, issue final comment sheet S1PC04012180 20.0d 100% 02-Aug-19 A 29-Aug-19 A FR= Gold 234.0d 30-Aug-19 A 23-Mar-20 A S1PC04012160 GOLD: Holds discussion, incorporate comments and finalise/complete the E&S Form/ Register (part of GOLD Submission) 58.0d 100% 30-Aug-19 A 22-Mar-20 A S1PC04012170 GOLD: Final Doc check and submit all the Env. Form/ Register for Fomal Approval 100% 23-Mar-20 A 23-Mar-20 A 121.0d 25-Nov-19 A 30-Jul-20 01-May-20 30-Jul-20 01-May-20 30-Jul-20 0.0d ▼ 30-Jul-20 System Implementation S1PC04021000 Devleop common approach for SMS, OSC and agreement on basic principles between HRH, HART and FTA 100% 25-Nov-19 A 13-Dec-19 A 14.0d S1PC04021010 Workshops and meetings with Rail regulators and D&B (HRH) to agree on working process on SMS, HL Transfer and OSC 100% 16-Dec-19 A 14-Jan-20 A S1PC04021020 Establish Working Strategy & Interfaces with various Stakeholders in line with Safety Cert. Process 20.0d 100% 16-Dec-19 A 14-Jan-20 A 30-Jul-20 S1PC04021030 01-May-20 0.0d Review design hazard log (all sub-system hazard logs) and accept the hazards (Ops. Hazards) 10% 03-Feb-20 A 30-Jul-20 30-Jul-20 01-May-20 30-Jul-20 60.0d S1PC04021040 50.0d 0.0d Conduct Residual Risk Analysis workshop and identify the mitigation measures to keep Ops. Hazards ALARP 10% 03-Feb-20 A 30-Jul-20 01-May-20 30-Jul-20 01-May-20 30-Jul-20 S1PC04021050 Develop Operational Hazard Log (by HRH) including of Transferrd Hazards (Design to Operation) 50.0d 10% 02-Mar-20 A 30-Jul-20 01-May-20 30-Jul-20 01-May-20 30-Jul-20 0.0d S1PC04021060 10% 01-Apr-20 A 30-Jul-20 01-May-20 0.0d Discuss and agree the Operational Hazard Log with HART and FTA 01-May-20 30-Jul-20 30-Jul-20 S1PC04021070 100% 03-Feb-20 A 30-Apr-20 A Agree with the process of updating the relevant registers and integrated with SMS 60.0d Safety Certification 197.0d 02-Mar-20 A 10-Feb-21 17-Jul-20 10-Feb-21 17-Jul-20 10-Feb-21 0.0d 30-Apr-20 A S1PC04031000 Obtained and include all the approved Operational and HSQE P&I required for Operations Safety Certification 30 0d 100% 02-Mar-20 A 30-Apr-20 A S1PC04031010 Arrange meetings with rail regulators / D&B and agree on entire safety certification process 100% 01-Apr-20 A 30-Apr-20 A S1PC04031030 Understand the regulatory requirements for Safety Case (System/Sub-system element wise) 30.0d 100% 01-Apr-20 A 30-Apr-20 A S1PC04031040 Develop Operations Safety Case covering all System/Subsystem elements 32.0d 0% 17-Jul-20 31-Aug-20 17-Jul-20 31-Aug-20 17-Jul-20 31-Aug-20 0.00 S1PC04031050 Review of Safety Certificate by HARTand issue comments 20.0d 0% 01-Sep-20 29-Sep-20 01-Sep-20 29-Sep-20 01-Sep-20 29-Sep-20 0.0d S1PC04031060 14-Oct-20 0.0d 10.0d 14-Oct-20 Review all the comments received from the HART, hold discussions and resubmit incorporating comments 0% 30-Sep-20 30-Sep-20 14-Oct-20 30-Sep-20 S1PC04031070 0% 15-Oct-20 12-Nov-20 15-Oct-20 12-Nov-20 15-Oct-20 12-Nov-20 0.0d Sign-off Operations Safety Case by HART 10-Feb-21 S1PC04031080 Submit Safety Certification Application to the Regulator/ FTA (including Ops. Safety Case accepted by HART/City) 2.0d 0% 13-Nov-20 16-Nov-20 13-Nov-20 16-Nov-20 13-Nov-20 16-Nov-20 0.0d S1PC04031090 Review of Safety Certification Application along with Safety Case by Regulator (FTA) and issue comments 20.0d 0% 17-Nov-20 15-Dec-20 17-Nov-20 15-Dec-20 17-Nov-20 15-Dec-20 0.0d S1PC04031100 20.0d 0.0d Review all the comments received from Regulator FTA, hold discussions and HRH to resubmit incorporating comments 0% 16-Dec-20 12-Jan-21 16-Dec-20 12-Jan-21 16-Dec-20 12-Jan-21 S1PC04031110 0.04 Sign-off Operations Safety Certificate by Regulator (based on performance of TR Test Cases & evidences provided) 20 0d 0% 13-Jan-21 10-Feb-21 10-Feb-21 13-Jan-21 10-Feb-21 13-Jan-21 Asset Management and Maintenance 338 0d 13-May-20 ▼ 06-lan-21 Technical Documentations 04-Sep-19 A 06-Jap-21 01-May-20 06-Jan-21 26-Feb-21 Asset Management System Development 18-Mar-20 A PL= Bronze 55.0d 04-Sep-19 A 21-Nov-19 A ▼ 21-Nov-19 A S1PC05011860 BRONZE: Draft Submission of the AM Policy 35.0d 100% 04-Sep-19 A 23-Oct-19 A S1PC05011870 20.0d 100% 24-Oct-19 A 21-Nov-19 A BRONZE: First Review by HRH and issue comment sheet on draft policy PL= Silver 47.0d 22-Nov-19 A 31-Jan-20 A S1PC05011880 SILVER: Incorporate comments and update the draft policy 25.0d 100% 22-Nov-19 A 30-Dec-19 A S1PC05011890 SILVER: Submission of the AM Policy to HART 2.0d 100% 31-Dec-19 A 02-Jan-20 A S1PC05011920 100% 03-Jan-20 A 31-Jan-20 A SILVER: Review by HART, issue final comment sheet 20.0d PL= Gold 30.0d 03-Feb-20 A 18-Mar-20 A -Mar-20 A S1PC05011900 GOLD: Holds discussion, incorporate comments and finalise/complete the AM Policy (part of GOLD Submission) 30.0d 100% 03-Feb-20 A 16-Mar-20 A S1PC05011910 GOLD: Final Doc check and submit the AM Policy for Fornal Approval 100% 17-Mar-20 A 18-Mar-20 A Mar-20 A Asset Manager PL= Bronze 55.0d 04-Sep-19 A 21-Nov-19 A ▼ 21-Nov-19 A S1PC05012070 BRONZE: Draft Submission of the AM Strategy 35.0d 100% 04-Sep-19 A 23-Oct-19 A S1PC05012080 BRONZE: First Review by HRH and issue comment sheet on draft Strategy 100% 24-Oct-19 A 21-Nov-19 A 47.0d PL= Silver 22-Nov-19 A 31-Jan-20 A S1PC05012090 SILVER: Incorporate comments and update the draft Strategy 100% 22-Nov-19 A 30-Dec-19 A S1PC05012100 SILVER: Submission of the AM Strategy to HART 2.0d 100% 31-Dec-19 A 02-Jan-20 A Date Checked Approved Milestone Remaining Work Page 13 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

### APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT

D	Activity Name	Original Duration		Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Float	Д A M J	Jul A S O	Q N D	J F M	A M J	Jul A	S O N	D J F 1
S1PC05012130	SILVER: Review by HART, issue final comment sheet	20.0d	100% 03-Jan-20 A	31-Jan-20 A													
PL= Gold		30.0d	03-Feb-20 A	18-Mar-20 A									1	18-Mar-20	A		
S1PC05012110	GOLD: Holds discussion, incorporate comments and finalise/complete the AM Strategy (part of GOLD Submission)	30.0d	100% 03-Feb-20 A	16-Mar-20 A													
S1PC05012120	GOLD: Final Doc check and submit the AM Strategy for Fomal Approval	2.0d	100% 17-Mar-20 A	18-Mar-20 A									1				
Asset Management Pla	lan	188.0d	04-Sep-19 A	03-Jun-20	01-May-20	03-Jun-20	26-Jan-21	26-Feb-21	185.0d		· ·	$\overline{}$		,	03-Jun-20		
PL= Bronze		55.0d									•	21-	Nov-19 A				
_	BRONZE: Draft Submission of the Asset MGMT. Plan	35.0d	100% 04-Sep-19 A														
S1PC05011940	BRONZE: First Review by HRH and issue comment sheet on draft plan	20.0d	100% 24-Oct-19 A	21-Nov-19 A								_					
PL= Silver		47.0d											──▼ 31-Jan	-20 A		1 1	
	SILVER: Incorporate comments and update the draft plan	25.0d	100% 22-Nov-19 A														
_	SILVER: Submission of the Asset MGMT. Plan to HART	2.0d	100% 31-Dec-19 A														
S1PC05011990	SILVER: Review by HART, issue final comment sheet	20.0d	100% 03-Jan-20 A	31-Jan-20 A								<u> </u>					
PL= Gold		86.0d	03-Feb-20 A	03-Jun-20	01-May-20	03-Jun-20	26-Jan-21	26-Feb-21	185.0d				<b>*</b>	,	03-Jun-20		
S1PC05011970	GOLD: Holds discussion, incorporate comments and finalise/complete the Plan (part of GOLD Submission)	30.0d	30% 03-Feb-20 A	01-Jun-20	01-May-20	01-Jun-20	26-Jan-21	24-Feb-21	185.0d					<b>—</b>			
S1PC05011980	GOLD: Final Doc check and submit the Asset MGMT. Plan for Fomal Approval	2.0d	0% 02-Jun-20	03-Jun-20	02-Jun-20	03-Jun-20	25-Feb-21	26-Feb-21	185.0d					)			
	Obsolescence Procedure	35.0d									V			18-Mar <del>-</del> 20	A : :		
PL= Bronze	PDONITE: Droft Culturation of the Obselessance Procedure	35.0d										21-	Nov-19 A				
	BRONZE: Draft Submission of the Obsolescence Procedure	35.0d															
	BRONZE: First Review by HRH and issue comment sheet on draft plrocedure	20.0d	100% 24-Oct-19 A	21-Nov-19 A								=					
PL= Silver	CIIVED becomes to compare and an electrical and	25.0d											31-Jan	-20 A			
	SILVER: Incorporate comments and update the draft procedure	25.0d	100% 22-Nov-19 A	30-Dec-19 A													
_	SILVER: Submission of the Obsolescence Procedure to HART	2.0d	100% 31-Dec-19 A	02-Jan-20 A													
	SILVER: Review by HART, issue final comment sheet	20.0d	100% 03-Jan-20 A	31-Jan-20 A													
PL= Gold		32.0d		18-Mar-20 A										18-Mar-20	<b>A</b>		
_	GOLD: Holds discussion, Incorporate comments and finalise/complete the Procedure (part of GOLD Submission)	30.0d	100% 03-Feb-20 A	16-Mar-20 A													
S1PC05012050	GOLD: Final Doc check and submit the Obsolescence Procedure for Fomal Approval	2.0d		18-Mar-20 A													
Asset Management - W	Warehouse Procedure	35.0d										- 04	1	18-Mar-20	<b>A</b>		
PL= Bronze S1PC05011440	BRONZE: Draft Submission of the Warehouse Procedure	35.0d 35.0d	04-Sep-19 A 100% 04-Sep-19 A									21-1	Nov-19 A				
	BRONZE: First Review by HRH and issue comment sheet on draft plrocedure	20.0d	100% 24-Oct-19 A	21-Nov-19 A								<u> </u>					
	BRONZE. Filst Neview by First and issue confinent sheet official phocedule			31-Jan-20 A						1 1		===	31-Jan	200 A	+ + + +		
PL= Silver S1PC05011460	SILVER: Incorporate comments and update the draft procedure	25.0d 25.0d	100% 22-Nov-19 A	30-Dec-19 A									▼ 31-Jan	-20 A			
_	SILVER: Submission of the Warehouse Procedure to HART	2.0d	100% 31-Dec-19 A	02-Jan-20 A								$+ \Box$	.				
_			100% 03-Jan-20 A														
	SILVER: Review by HART, issue final comment sheet	20.0d		31-Jan-20 A										10 1 100	1 1		
PL= Gold S1PC05011480	GOLD: Holds discussion, Incorporate comments and finalise/complete the Procedure (part of GOLD Submission)	32.0d 30.0d		18-Mar-20 A 16-Mar-20 A										18-Mar <del>-</del> 20	1 : :		
				18-Mar-20 A													
	GOLD: Final Doc check and submit the Warehouse Procedure for Fomal Approval	2.0d												10 11 20	+ + +		
Asset Management - R	Railway Protection Procedure	35.0d 35.0d		18-Mar-20 A 21-Nov-19 A								21	Nov-19 A	18-Mar-20	<b>*</b> : : :	1 1	
	BRONZE: Draft Submission of the Railway Protection Procedure	35.0d										V 217					
	BRONZE: First Review by HRH and issue comment sheet on draft plrocedure	20.0d	100% 24-Oct-19 A	21-Nov-19 A													
PL= Silver		25.0d		31-Jan-20 A									31-Jan	1-20 A			
	SILVER: Incorporate comments and update the draft procedure	25.0d	100% 22-Nov-19 A										V 0,1-0all	77			
_	SILVER: Submission of the Railway Protection Procedure to HART	2.0d	100% 31-Dec-19 A														
_	SILVER: Review by HART, issue final comment sheet	20.0d	100% 03-Jan-20 A	31-Jan-20 A													
	OLIVER CHAPTER BY LEWY, ISSUE HERI CONTINUES SHOOT	32.0d												18-Mari20	<b>+</b>		
PL= Gold S1PC05011550	GOLD: Holds discussion, Incorporate comments and finalise/complete the Procedure (part of GOLD Submission)	32.0d 30.0d	100% 03-Feb-20 A											18-Mar <del>;</del> 20	1		
	GOLD: Final Doc check and submit the Railway Protection Procedure for Formal Approval	2.0d															
	<u> </u>				01 May 20	16 1 100 20	12 log 21	26 Eab 21	176.0d						16 1 3	0	
Asset Management - A	ACOM M'OCEQUIE	95.0d 35.0d		21-Nov-19 A	01-May-20	16-Jun-20	12-Jan-21	26-Feb-21	176.00			21	Nov-19 A	<b>T</b>	16-Jun-20	1	
	BRONZE: Draft Submission of the ACCM Procedure	35.0d										217	.5, 15,7				
		04								1 1			1 1	1 1	1 : :		
S1PC05011650		20 Nd	100% 24-Oct-19 A	21-Nov-19 A								<u>-                                      </u>				1 1	1 1 1
S1PC05011650	BRONZE: First Review by HRH and issue comment sheet on draft plrocedure	20.0d 25.0d	100% 24-Oct-19 A	21-Nov-19 A 31-Jan-20 A						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			<b>31-Jan</b>	-20 A			

Critical Remaining Work Actual Work

Critical Milestones

Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Subm.ission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev.BL_HART (1 March 21) - with revision in Trial Run	Samrat	Michele

APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) ALL ACTIVITY LAYOUT Activity ID Original Activity % Start Remaining Remaining Total Q Q Q Q Remaining Remaining Early Finish Late Start M A M J Jul A S O N D J F M A M J Jul A S O N D J F M A M S1PC05011670 SILVER: Incorporate comments and update the draft procedure 25.0d 100% 22-Nov-19 A 30-Dec-19 A S1PC05011680 SILVER: Submission of the ACCM Procedure to HART 100% 31-Dec-19 A 02-Jan-20 A 2.0d S1PC05011710 SILVER: Review by HART, issue final comment sheet 20.0d 100% 03-Jan-20 A 31-Jan-20 A PL= Gold 32.0d 01-May-20 16-Jun-20 01-May-20 16-Jun-20 12-Jan-21 26-Feb-21 176.0d 16-Jun-20 GOLD: Holds discussion, Incorporate comments and finalise/complete the Procedure (part of GOLD Submission) 0% 01-May-20 01-May-20 176.0d S1PC05011690 12-Jun-20 12-Jun-20 12-Jan-21 24-Feb-21 S1PC05011700 25-Feb-21 176.0d GOLD: Final Doc check and submit the ACCM Procedure for Fomal Approval 0% 15-Jun-20 15-Jun-20 16-Jun-20 26-Feb-21 16-Jun-20 02-Sep-20 PL= Bronze 04-Sep-19 A 21-Nov-19 A ▼ 21-Nov-19 A 35.0d S1PC05011720 BRONZE: Draft Submission of the Asset Handover Procedure 100% 04-Sep-19 A 23-Oct-19 A S1PC05011730 BRONZE: First Review by HRH and issue comment sheet on draft plrocedure 20.0d 100% 24-Oct-19 A 21-Nov-19 A 25.0d 22-Nov-19 A 31-Jan-20 A 100% 22-Nov-19 A 30-Dec-19 A S1PC05011740 SILVER: Incorporate comments and update the draft procedure 25.0d S1PC05011750 SILVER: Submission of the Asset Handover Procedure to HART 2.0d 100% 31-Dec-19 A 02-Jan-20 A S1PC05011780 SILVER: Review by HART, issue final comment sheet 20.0d 100% 03-Jan-20 A 31-Jan-20 A 150.0d 03-Feb-20 A 02-Sep-20 02-Sep-20 26-Feb-21 01-May-20 23-Oct-20 121.0 GOLD: Holds discussion, Incorporate comments and finalise/complete the Procedure (part of GOLD Submission) 24-Feb-21 S1PC05011760 30.0d 50% 03-Feb-20 A 31-Aug-20 01-May-20 31-Aug-20 23-Oct-20 121.0c S1PC05011770 GOLD: Final Doc check and submit the Asset Handover Procedure for Fomal Approval 0% 01-Sep-20 02-Sep-20 01-Sep-20 02-Sep-20 25-Feb-21 26-Feb-21 121.0d 35.0d 04-Sep-19 A 21-Nov-19 A ▼ 21-Nov-19 A PL= Bronze S1PC05011790 BRONZE: Draft Submission of the Asset Handback Procedure 35.0d 100% 04-Sep-19 A 23-Oct-19 A S1PC05011800 BRONZE: First Review by HRH and issue comment sheet on draft plrocedure 100% 24-Oct-19 A 21-Nov-19 A PL= Silver 25.0d 22-Nov-19 A 31-Jan-20 A S1PC05011810 SILVER: Incorporate comments and update the draft procedure 100% 22-Nov-19 A 30-Dec-19 A S1PC05011820 SILVER: Submission of the Asset Handback Procedure to HART 2.0d 100% 31-Dec-19 A 02-Jan-20 A S1PC05011850 SILVER: Review by HART, issue final comment sheet 20.0d 100% 03-Jan-20 A 31-Jan-20 A PL= Gold 150.0d 03-Feb-20 A 02-Sep-20 01-May-20 02-Sep-20 23-Oct-20 26-Feb-21 121.0c 02-Sep-20 S1PC05011830 GOLD: Holds discussion, Incorporate comments and finalise/complete the Procedure (part of GOLD Submission) 50% 03-Feb-20 A 31-Aug-20 01-May-20 31-Aug-20 23-Oct-20 24-Feb-21 S1PC05011840 GOLD: Final Doc check and submit the Asset Handback Procedure for Fomal Approval 2.0d 0% 01-Sep-20 02-Sep-20 01-Sep-20 02-Sep-20 25-Feb-21 26-Feb-21 121.00 Maintenance Management System Development ▼ 16-Jun-20 Maintenance Management Plan PL= Bronze 35.0d 03-Feb-20 A 13-Mar-20 A 13-<mark>M</mark>ar-20 A S1PC05011370 BRONZE: Draft Submission of the Maintenance MGMT. Plan 35.0d 100% 03-Feb-20 A 28-Feb-20 A S1PC05011380 BRONZE: First Review by HRH and issue comment sheet on draft plan 20.0d 100% 02-Mar-20 A 13-Mar-20 A 16-Mar-20 A 01-May-20 PL= Silver 25.0d 01-May-20 01-May-20 11-Jan-21 11-Jan-21 176.0d 01-May-20 S1PC05011390 SILVER: Incorporate comments and update the draft plan 25.0d 100% 16-Mar-20 A 23-Mar-20 A S1PC05011400 SILVER: Submission of the Maintenance MGMT. Plan to HART 2.0d 100% 26-Mar-20 A 26-Mar-20 A S1PC05011430 SILVER: Review by HART, issue final comment sheet 20.0d 50% 27-Mar-20 A 01-May-20 01-May-20 11-Jan-21 176.0d 01-May-20 11-Jan-21 16-Jun-20 32.0d 01-May-20 16-Jun-20 01-May-20 16-Jun-20 12-Jan-21 26-Feb-21 176.0c S1PC05011410 176.0d GOLD: Holds discussion, incorporate comments and finalise/complete the Plan (part of GOLD Submission) 0% 01-May-20 12-Jun-20 01-May-20 12-Jun-20 12-Jan-21 24-Feb-21 S1PC05011420 GOLD: Final Doc check and submit the Maintenance MGMT. Plan for Fomal Approval 2.0d 0% 15-Jun-20 16-Jun-20 15-Jun-20 16-Jun-20 25-Feb-21 26-Feb-21 176.0d Failure Managem Mar-20 A PR= Bronze 04-Sep-19 A 21-Nov-19 A ▼ 21-Nov-19 A 100% 04-Sep-19 A 23-Oct-19 A S1PC05012140 BRONZE: Draft Submission of all the Failure MGMT. Procedure 35.0d S1PC05012150 BRONZE: First Review by HRH and issue comment sheet on draft Procedure 20.0d 100% 24-Oct-19 A 21-Nov-19 A PR= Silver 47.0d 22-Nov-19 A 31-Jan-20 A S1PC05012160 SILVER: Incorporate comments and update the draft Procedure 25.0d 100% 22-Nov-19 A 30-Dec-19 A S1PC05012170 SILVER: Submission of all the Failure MGMT. Procedures to HART 2.0d 100% 31-Dec-19 A 02-Jan-20 A S1PC05012200 SILVER: Review by HART, issue final comment sheet 100% 03-Jan-20 A 31-Jan-20 A '-Mar-20 A PR= Gold 32.0d 03-Feb-20 A 17-Mar-20 A GOLD: Holds discussion, incorporate comments and finalise/complete the Failure MGMT.Procedures (part of GOLD Subm.) 100% 03-Feb-20 A 16-Mar-20 A S1PC05012190 100% 17-Mar-20 A 17-Mar-20 A GOLD: Final Doc check and submit all the Failure MGMT. Procedures for Fomal Approval 2.0d '-<mark>Mar-</mark>20 A PR= Bronze 55.0d 04-Sep-19 A 21-Nov-19 A 21-Nov-19 A

Remaining Work

Critical Remaining Work

Actual Work

Actual Work

Milestone

summary

Critical Milestones

HITACHI Inspire the Next

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Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Subm.ission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev. BL_HART(1 March 21) - with revision in Trial Run	Samrat	Michele

APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) ALL ACTIVITY LAYOUT Activity ID Original Remaining Remaining Remaining Late Start A M J Jul A S O N D J F M A M J Jul A S O N D J F M A M S1PC05012210 BRONZE: Draft Submission of all the Warranty MGMT. Procedure 35.0d 100% 04-Sep-19 A 23-Oct-19 A BRONZE: First Review by HRH and issue comment sheet on draft Procedure S1PC05012220 100% 24-Oct-19 A 21-Nov-19 A 20.0d PR= Silver 47.0d 22-Nov-19 A 31-Jan-20 A S1PC05012230 SILVER: Incorporate comments and update the draft Procedure 25.0d 100% 22-Nov-19 A 30-Dec-19 A S1PC05012240 SILVER: Submission of all the Warranty MGMT. to HART 2.0d 100% 31-Dec-19 A 02-Jan-20 A S1PC05012270 SILVER: Review by HART, issue final comment sheet 20.0d 100% 03-Jan-20 A 31-Jan-20 A 32.0d 03-Feb-20 A 17-Mar-20 A Mar-20 A S1PC05012250 GOLD: Holds discussion, incorporate comments and finalise/complete the Warranty MGMT. Procedure (part of GOLD Subm.) 100% 03-Feb-20 A 16-Mar-20 A 30.0d S1PC05012260 GOLD: Final Doc check and submit all the Warranty MGMT. Procedures for Fomal Approval 2.0d 100% 17-Mar-20 A 17-Mar-20 A MMIS Procedure ▼ 20-Nov-20 30.0d 12-Aug-20 01-Jul-20 12-Aug-20 27-Aug-20 08-Oct-20 40.00 PR= Bronze 01-Jul-20 12-Aug-20 S1PC05012280 40.0d BRONZE: Draft Submission of all the MMIS Procedure 20.0d 0% 01-Jul-20 29-Jul-20 01-Jul-20 29-Jul-20 27-Aug-20 24-Sep-20 10.0d 40.0d S1PC05012290 BRONZE: First Review by HRH and issue comment sheet on draft Procedure 0% 30-Jul-20 12-Aug-20 30-Jul-20 12-Aug-20 25-Sep-20 08-Oct-20 40.0d PR= Silver 47.0d 13-Aug-20 20-Oct-20 13-Aug-20 20-Oct-20 09-Oct-20 17-Dec-20 20-Oct-20 S1PC05012300 SILVER: Incorporate comments and update the draft Procedure 25.0d 0% 13-Aug-20 17-Sep-20 13-Aug-20 17-Sep-20 09-Oct-20 16-Nov-20 40.00 S1PC05012310 0% 18-Sep-20 40.0d SILVER: Submission of all the MMIS Procedures to HART 2.0d 21-Sep-20 17-Nov-20 21-Sep-20 18-Sep-20 18-Nov-20 S1PC05012340 20-Oct-20 19-Nov-20 40.0d SILVER: Review by HART, issue final comment sheet 0% 22-Sep-20 20-Oct-20 22-Sep-20 17-Dec-20 PR= Gold 22.0d 21-Oct-20 20-Nov-20 21-Oct-20 20-Nov-20 18-Dec-20 19-Jan-21 40.0d 20-Nov-20 S1PC05012320 GOLD: Holds discussion, incorporate comments and finalise/complete the MMIS Procedures (part of GOLD Submission) 0% 21-Oct-20 18-Nov-20 21-Oct-20 18-Nov-20 18-Dec-20 14-Jan-21 40.00 S1PC05012330 GOLD: Final Doc check and submit all the MMIS Procedures for Fomal Approval 40.00 2.0d 0% 19-Nov-20 20-Nov-20 19-Nov-20 20-Nov-20 15-Jan-21 19-Jan-21 Mar-20 A PR= Bronze 55.0d 04-Sep-19 A 21-Nov-19 A ▼ 21-Nov-19 A S1PC05011300 BRONZE: Draft Submission of all the Sub-Contractor MGMT. Procedures 100% 04-Sep-19 A 23-Oct-19 A S1PC05011310 BRONZE: First Review by HRH and issue comment sheet on draft Procedures 20.0d 100% 24-Oct-19 A 21-Nov-19 A PR= Silver 47.0d 22-Nov-19 A 31-Jan-20 A S1PC05011320 SILVER: Incorporate comments and update the draft Procedures 25 0d 100% 22-Nov-19 A 30-Dec-19 A S1PC05011330 SILVER: Submission of all the Sub-Contractor MGMT. Procedures to HART 2.0d 100% 31-Dec-19 A 02-Jan-20 A S1PC05011360 SILVER: Review by HART, issue final comment sheet 20 0d 100% 03-Jan-20 A 31-Jan-20 A 03-Feb-20 A 17-Mar-20 A -Mar-20 A S1PC05011340 GOLD: Holds discussion, incorporate comments and finalise/complete the Sub-Cont. MGMT. Procedures (part of GOLD Subm.) 30 0d 100% 03-Feb-20 A 16-Mar-20 A S1PC05011350 GOLD: Final Doc check and submit all the Sub-Contractor MGMT. Procedures for Fornal Approval 100% 17-Mar-20 A 17-Mar-20 A ▼ 31-Aug-20 13-Mar-20 A 03-Feb-20 A 13-Mar-20 A Bronze 29.0d S1PC05012420 BRONZE: Draft Submission of all the Maintenance Services Plan (x 8 Asset Class) 19.0d 100% 03-Feb-20 A 28-Feb-20 A S1PC05012430 BRONZE: First Review by HRH and issue comment sheet on draft Plan 10.0d 100% 02-Mar-20 A 13-Mar-20 A 27-Oct-20 24-Dec-20 77.0d 16-Mar-20 A 01-Jul-20 01-May-20 01-Jul-20 123.0d 01-Jul-20 S1PC05012440 SILVER: Incorporate comments and update the draft Plan (x 8 Asset Class) 40.0d 30% 16-Mar-20 A 02-Jun-20 01-May-20 02-Jun-20 27-Oct-20 27-Nov-20 123.0d S1PC05012450 0% 03-Jun-20 03-Jun-20 03-Jun-20 30-Nov-20 30-Nov-20 123.0d SILVER: Submission of all the Maintenance Services Plan to HART 1.0d 03-Jun-20 S1PC05012460 SILVER: Review by HART, issue final comment sheet 20.0d 0% 04-Jun-20 01-Jul-20 04-Jun-20 01-Jul-20 01-Dec-20 24-Dec-20 123.00 42.0d 02-Jul-20 31-Aug-20 02-Jul-20 31-Aug-20 28-Dec-20 26-Feb-21 123.0c Gold Aug-20 S1PC05011000 GOLD: Holds discussion, incorporate comments and finalise/complete the Maint. Services Plan (part of GOLD Subm.) 40.0d 0% 02-Jul-20 27-Aug-20 02-Jul-20 27-Aug-20 28-Dec-20 24-Feb-21 123.00 S1PC05011010 GOLD: Final Doc check and submit all the Maintenance Services Plan for Fomal Approval 2.0d 0% 28-Aug-20 26-Feb-21 123.0d 31-Aug-20 28-Aug-20 31-Aug-20 25-Feb-21 ▼ 06-Jan-21 01-May-20 08-May-20 8.0d 08-May-20 General Works 20.0d 13-Apr-20 A 08-May-20 13-May-20 20-May-20 01-May-20 08-May-20 13-May-20 8.0d HRH.MPS.1500 Produce - List of Job Plans (as per Asset Group) and Job Plan Tasks 20.0d 80% 13-Apr-20 A 08-May-20 20-May-20 50.0d 18-Sep-20 42.0d Obtaining Inputs for Job Plans (HRH Dependency) 11-May-20 21-Jul-20 11-May-20 21-Jul-20 21-May-20 HRH.MPS.1510 ATC & Signalling Sub-System - Obtain OEM Maunals, Maint. Manuals, Data Sheet etc to produce Job Plan Tasks 21.0d 0% 11-May-20 09-Jun-20 11-May-20 09-Jun-20 04-Aug-20 01-Sep-20 59.00 HRH.MPS.1520 0% 11-May-20 04-Aug-20 18-Sep-20 PV Sub-System - Obtain OEM Maunals, Maint, Manuals, Data Sheet etc to produce Job Plan Tasks 33.0d 25-Jun-20 11-May-20 25-Jun-20 59.0d HRH.MPS.1530 Depot Equipment (DE) Sub-System - Obtain OEM Maunals, Maint. Manuals, Data Sheet etc to produce Job Plan Tasks 0% 11-May-20 29-May-20 11-May-20 29-May-20 24-Jun-20 14-Jul-20 31.00 HRH.MPS.1540 PWRS Sub-System - Obtain OEM Maunals, Maint. Manuals, Data Sheet etc to produce Job Plan Tasks 40.0d 0% 11-May-20 07-Jul-20 35.00 07-Jul-20 11-May-20 30-Jun-20 25-Aug-20 HRH.MPS.1550 Communication (COMM.) Sub-System - Obtain OEM Maunals, Maint. Manuals, Data Sheet etc to produce Job Plan Tasks 50.0d 0% 11-May-20 21-Jul-20 11-May-20 21-Jul-20 29-Jun-20 08-Sep-20 34.00 HRH.MPS.1560 Track and Third Rail System - Obtain OEM Maunals, Maint. Manuals, Data Sheet etc to produce Job Plan Tasks 25.0d 0% 11-May-20 15-Jun-20 11-May-20 15-Jun-20 13-Aug-20 17-Sep-20 66.0d Date Checked Approved Milestone Remaining Work Page 16 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

### APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT

	Activity Name		Activity % Start Complete	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Float M	A M J	Jul A S O N		A M J Jul	ASO	Q Q N D J F M
■ HRH.MPS.1570	On Track Equipments (OTE) Sub-System - Obtain remaining OEM Maunals, Maint. Manuals, Data Sheet etc to produce JP Tasks	5.0d	0% 11-May-20	15-May-20	11-May-20	15-May-20	21-May-20	28-May-20	8.0d				0		
■ HRH.MPS.1580	Facilities Management - Obtain remaining OEM Maunals, Maint. Manuals, Data Sheet etc to produce JP Tasks	30.0d	0% 11-May-20	22-Jun-20	11-May-20	22-Jun-20	11-Jun-20	23-Jul-20	22.0d						
MSP - Job Plans Pro	oduction	162.0d	18-May-20	06-Jan-21	18-May-20	06-Jan-21	29-May-20	19-Jan-21	8.0d				V.		▼ 06-Jan
MSP- Job Plans for	ATC and Signalling Subsystem (x 15 Asset Group Job Plans)	48.0d	10-Jun-20	17-Aug-20	10-Jun-20	17-Aug-20	02-Sep-20	19-Jan-21	106.0d					17-Aug-2	0
Batch 1 - ATC	ATCC Characters (Dath A). Develop the Ltd Tall H. Diver (Assess AFC) Asset Court H. Diver)	23.0d	10-Jun-20	13-Jul-20	10-Jun-20	13-Jul-20	02-Sep-20	19-Jan-21	131.0d					13-Jul-20	
■ HRH.MPS.2000	ATC Sub-systemc (Batch 1): Develop the detailed Job Plans (Assume 45% Asset Group Job Plans)	12.0d	0% 10-Jun-20	25-Jun-20	10-Jun-20	25-Jun-20	02-Sep-20	18-Sep-20	59.0d						
■ HRH.MPS.2010	ATC Sub-systemc (Batch 1): Review of Job Plans by HRH	5.0d	0% 26-Jun-20	02-Jul-20	26-Jun-20	02-Jul-20	04-Jan-21	08-Jan-21	131.0d						
■ HRH.MPS.2020	ATC Sub-systemc (Batch 1): Incorprate HRH comments (if any) and submit updated Job Plans	5.0d	0% 06-Jul-20	10-Jul-20	06-Jul-20	10-Jul-20	11-Jan-21	15-Jan-21	131.0d						
■ HRH.MPS.2030	ATC Sub-systemc (Batch 1): Accepted by HRH and ready to use for MMIS Data Irput in MAXIMO	1.0d	0% 13-Jul-20	13-Jul-20	13-Jul-20	13-Jul-20	19-Jan-21	19-Jan-21	131.0d						
Batch 2 - ATC		28.0d	09-Jul-20	17-Aug-20	09-Jul-20	17-Aug-20	06-Oct-20	19-Jan-21	106.0d				1 1	17-Aug-2	0
■ HRH.MPS.2040	ATC Sub-systemc (Batch 2): Develop the detailed Job Plans (Assume 55% Asset Group Job Plans)	15.0d	0% 09-Jul-20	29-Jul-20	09-Jul-20	29-Jul-20	06-Oct-20	27-Oct-20	62.0d						
■ HRH.MPS.2050	ATC Sub-systemc (Batch 2): Review of Job Plans by HRH	6.0d	0% 30-Jul-20	06-Aug-20	30-Jul-20	06-Aug-20	30-Dec-20	07-Jan-21	106.0d					•	
■ HRH.MPS.2060	ATC Sub-systemc (Batch 2): Incorprate HRH comments (if any) and ready for submission of updated Job Plans	6.0d	0% 07-Aug-20	14-Aug-20	07-Aug-20	14-Aug-20	08-Jan-21	15-Jan-21	106.0d						
■ HRH.MPS.2070	ATC Sub-systemc (Batch 2): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0% 17-Aug-20	17-Aug-20	17-Aug-20	17-Aug-20	19-Jan-21	19-Jan-21	106.0d						
MSP- Job Plans for	Passenger Vehicle Subsystem (x 43 Asset Group Job Plans)	80.0d	26-Jun-20	20-Oct-20	26-Jun-20	20-Oct-20	21-Sep-20	19-Jan-21	62.0d					7 2	20-Oct-20
Batch 1 - PV	DV O.b. system (Datab 4). Describe the datailed leb Diago (Appendix 450/ Appendix 450/	17.0d	26-Jun-20	21-Jul-20	26-Jun-20	21-Jul-20	21-Sep-20	19-Jan-21	125.0d				<u> </u>	21-Jul-20	
■ HRH.MPS.3000	PV Sub-system (Batch 1): Develop the detailed Job Plans (Assume 15% Asset Group Job Plans)	8.0d	0% 26-Jun-20	08-Jul-20	26-Jun-20	08-Jul-20	21-Sep-20	30-Sep-20	59.0d				<u> </u>		
■ HRH.MPS.3010	PV Sub-systemc (Batch 1): Review of Job Plans by HRH	4.0d	0% 09-Jul-20	14-Jul-20	09-Jul-20	14-Jul-20	06-Jan-21	11-Jan-21	125.0d						
HRH.MPS.3020	PV Sub-systemc (Batch 1): Incorprate HRH comments (if any) and submit updated Job Plans	4.0d	0% 15-Jul-20	20-Jul-20	15-Jul-20	20-Jul-20	12-Jan-21	15-Jan-21	125.0d						
HRH.MPS.3030	PV Sub-systemc (Batch 1): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0% 21-Jul-20	21-Jul-20	21-Jul-20	21-Jul-20	19-Jan-21	19-Jan-21	125.0d				I		
Batch 2 - PV		57.0d	30-Jul-20	20-Oct-20	30-Jul-20	20-Oct-20	28-Oct-20	19-Jan-21	62.0d					7 2	20-Oct-20
HRH.MPS.3040	PV Sub-systemc (Batch 2): Develop the detailed Job Plans (Assume 85% Asset Group Job Plans)	44.0d	0% 30-Jul-20	30-Sep-20	30-Jul-20	30-Sep-20	28-Oct-20	29-Dec-20	62.0d						
HRH.MPS.3050	PV Sub-systemc (Batch 2): Review of Job Plans by HRH	6.0d	0% 01-Oct-20	08-Oct-20	01-Oct-20	08-Oct-20	30-Dec-20	07-Jan-21	62.0d	: :					
HRH.MPS.3060	PV Sub-systemc (Batch 2): Incorprate HRH comments (if any) and ready for submission of updated Job Plans	6.0d	0% 09-Oct-20	19-Oct-20	09-Oct-20	19-Oct-20	08-Jan-21	15-Jan-21	62.0d						
HRH.MPS.3070	PV Sub-systemc (Batch 2): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0% 20-Oct-20	20-Oct-20	20-Oct-20	20-Oct-20	19-Jan-21	19-Jan-21	62.0d						
MSP- Job Plans for	Depot Equipment Subsystem (x 63 Asset Group Job Plans)	92.0d	01-Jun-20	08-Oct-20	01-Jun-20	08-Oct-20	15-Jul-20	19-Jan-21	69.0d				· ·	₹ 08	-Oct-20
Batch 1 - DE		41.0d	01-Jun-20	28-Jul-20	01-Jun-20	28-Jul-20	15-Jul-20	19-Jan-21	120.0d	: :				7 28-Jul-20	
■ HRH.MPS.4000	DE Sub-systemc (Batch 1): Develop the detailed Job Plans (Assume 45% Asset Group Job Plans)	30.0d	0% 01-Jun-20	13-Jul-20	01-Jun-20	13-Jul-20	15-Jul-20	25-Aug-20	31.0d						
HRH.MPS.4010	DE Sub-systemc (Batch 1): Review of Job Plans by HRH	5.0d	0% 14-Jul-20	20-Jul-20	14-Jul-20	20-Jul-20	04-Jan-21	08-Jan-21	120.0d						
■ HRH.MPS.4020	DE Sub-systemc (Batch 1): Incorprate HRH comments (if any) and submit updated Job Plans	5.0d	0% 21-Jul-20	27-Jul-20	21-Jul-20	27-Jul-20	11-Jan-21	15-Jan-21	120.0d						
HRH.MPS.4030	DE Sub-systemc (Batch 1): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0% 28-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20	19-Jan-21	19-Jan-21	120.0d						
Batch 2 - DE		50.0d	30-Jul-20	08-Oct-20	30-Jul-20	08-Oct-20	14-Sep-20	19-Jan-21	69.0d				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	08	-Oct-20
HRH.MPS.4040	DE Sub-systemc (Batch 2): Develop the detailed Job Plans (Assume 55% Asset Group Job Plans)	37.0d	0% 30-Jul-20	21-Sep-20	30-Jul-20	21-Sep-20	14-Sep-20	04-Nov-20	31.0d						
HRH.MPS.4050	DE Sub-systemc (Batch 2): Review of Job Plans by HRH	6.0d	0% 22-Sep-20	29-Sep-20	22-Sep-20	29-Sep-20	30-Dec-20	07-Jan-21	69.0d						
HRH.MPS.4060	DE Sub-systemc (Batch 2): Incorprate HRH comments (if any) and ready for submission of updated Job Plans	6.0d	0% 30-Sep-20	07-Oct-20	30-Sep-20	07-Oct-20	08-Jan-21	15-Jan-21	69.0d					i i	
HRH.MPS.4070	DE Sub-systemc (Batch 2): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0% 08-Oct-20	08-Oct-20	08-Oct-20	08-Oct-20	19-Jan-21	19-Jan-21	69.0d						
MSP- Job Plans for	Power & Traction Electrification Subsystem (x 22 Asset Group Job Plans)	83.0d	14-Jul-20	09-Nov-20	14-Jul-20	09-Nov-20	26-Aug-20	19-Jan-21	48.0d				_		7 09-Nov-20
Batch 1 - PWRS		18.0d	14-Jul-20	06-Aug-20	14-Jul-20	06-Aug-20	26-Aug-20	19-Jan-21	113.0d			$\parallel$	▼	▼ 06-Aug-20	
■ HRH.MPS.5000	PWRS Sub-systemc (Batch 1): Develop the detailed Job Plans (Assume 30% Asset Group Job Plans)	9.0d	0% 14-Jul-20	24-Jul-20	14-Jul-20	24-Jul-20	26-Aug-20	08-Sep-20	31.0d						
■ HRH.MPS.5010	PWRS Sub-systemc (Batch 1): Review of Job Plans by HRH	4.0d	0% 27-Jul-20	30-Jul-20	27-Jul-20	30-Jul-20	06-Jan-21	11-Jan-21	113.0d						
■ HRH.MPS.5020	PWRS Sub-systemc (Batch 1): Incorprate HRH comments (if any) and submit updated Job Plans	4.0d	0% 31-Jul-20	05-Aug-20	31-Jul-20	05-Aug-20	12-Jan-21	15-Jan-21	113.0d						
HRH.MPS.5030	PWRS Sub-systemc (Batch 1): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0% 06-Aug-20	06-Aug-20	06-Aug-20	06-Aug-20	19-Jan-21	19-Jan-21	113.0d						
Batch 2 - PWRS		34.0d	22-Sep-20	09-Nov-20	22-Sep-20	09-Nov-20	05-Nov-20	19-Jan-21	48.0d					-	7 09-Nov-20
■ HRH.MPS.5040	PWRS Sub-systemc (Batch 2): Develop the detailed Job Plans (Assume 70% Asset Group Job Plans)	21.0d	0% 22-Sep-20	21-Oct-20	22-Sep-20	21-Oct-20	05-Nov-20	07-Dec-20	31.0d	: :					
HRH.MPS.5050	PWRS Sub-systemc (Batch 2): Review of Job Plans by HRH	6.0d	0% 22-Oct-20	29-Oct-20	22-Oct-20	29-Oct-20	30-Dec-20	07-Jan-21	48.0d						
■ HRH.MPS.5060	PWRS Sub-systemc (Batch 2): Incorprate HRH comments (if any) and ready for submission of updated Job Plans	6.0d	0% 30-Oct-20	06-Nov-20	30-Oct-20	06-Nov-20	08-Jan-21	15-Jan-21	48.0d						
■ HRH.MPS.5070	PWRS Sub-systemc (Batch 2): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0% 09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	19-Jan-21	19-Jan-21	48.0d						
MSP- Job Plans for	r Communication Subsystem (x 32 Asset Group Job Plans)	91.0d	27-Jul-20	04-Dec-20	27-Jul-20	04-Dec-20	09-Sep-20	19-Jan-21	31.0d				1		04-Dec-20
Batch 1 - COMM.		10.0d	27-Jul-20	07-Aug-20	27-Jul-20	07-Aug-20	09-Sep-20	19-Jan-21	112.0d				1	7 07-Aug-20	
HRH.MPS.6000	COMM. Sub-systemc (Batch 1): Develop the detailed Job Plans (Assume 15% Asset Group Job Plans)	3.0d	0% 27-Jul-20	29-Jul-20	27-Jul-20	29-Jul-20	09-Sep-20	11-Sep-20	31.0d					0	
HRH.MPS.6010	COMM. Sub-systemc (Batch 1): Review of Job Plans by HRH	3.0d	0% 30-Jul-20	03-Aug-20	30-Jul-20	03-Aug-20	08-Jan-21	12-Jan-21	112.0d					0	
■ HRH.MPS.6020	COMM. Sub-systemc (Batch 1): Incorprate HRH comments (if any) and submit updated Job Plans	3.0d	0% 04-Aug-20	06-Aug-20	04-Aug-20	06-Aug-20	13-Jan-21	15-Jan-21	112.0d					1	
	·		'	,	'										
	ı							Date			Revision			Checked	Appro

Critical Remaining Work Actual Work

Critical Milestones

Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Subm.ission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev. BL_HART (1 March 21) - with revision in Trial Run	Samrat	Michele

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT Activity ID Original Activity % Start Remaining emaining Remaining Remaining Q Duration Complete Early Start Early Finish Late Start Late Finish Float J F M A M A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | HRH.MPS.6030 COMM. Sub-systemc (Batch 1): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO 1.0d 0% 07-Aug-20 07-Aug-20 07-Aug-20 07-Aug-20 19-Jan-21 19-Jan-21 112.0d 04-Dec-20 Batch 2 - COMM 30.0d 22-Oct-20 04-Dec-20 22-Oct-20 08-Dec-20 19-Jan-21 31.0d 04-Dec-20 HRH.MPS.6040 COMM. Sub-systemc (Batch 2): Develop the detailed Job Plans (Assume 85% Asset Group Job Plans) 31.0d 17.0d 0% 22-Oct-20 16-Nov-20 22-Oct-20 16-Nov-20 08-Dec-20 29-Dec-20 HRH.MPS.6050 COMM. Sub-systemc (Batch 2): Review of Job Plans by HRH 6.0d 0% 17-Nov-20 24-Nov-20 24-Nov-20 30-Dec-20 07-Jan-21 31.00 17-Nov-20 15-Jan-21 HRH.MPS.6060 COMM. Sub-systemc (Batch 2): Incorprate HRH comments (if any) and ready for submission of updated Job Plans 6.0d 0% 25-Nov-20 03-Dec-20 25-Nov-20 03-Dec-20 08-Jan-21 31.00 31.0d HRH.MPS.6070 COMM. Sub-systemc (Batch 2): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO 1.0d 0% 04-Dec-20 04-Dec-20 04-Dec-20 04-Dec-20 19-Jan-21 19-Jan-21 📇 MSP- Job Plans for Tracks and Third Rail Communication Subsystem (x 20 Asset Group Job Plans) 74.0d 16-Jun-20 29-Sep-20 16-Jun-20 29-Sep-20 18-Sep-20 19-Jan-21 76.00 29-Sep-20 18.0d 132.0d 10-Jul-20 Batch 1 - TTRS 16-Jun-20 10-Jul-20 18-Sep-20 19-Jan-21 10-Jul-20 16-Jun-20 HRH.MPS.7000 TTRS Sub-systemc (Batch 1): Develop the detailed Job Plans (Assume 15% Asset Group Job Plans) 9.0d 0% 16-Jun-20 26-Jun-20 16-Jun-20 26-Jun-20 18-Sep-20 30-Sep-20 66.00 HRH.MPS.7010 TTRS Sub-systems (Batch 1): Review of Job Plans by HRH 4.0d 132.00 0% 29-Jun-20 02-Jul-20 29-Jun-20 02-Jul-20 06-Jan-21 11-Jan-21 4.0d 09-Jul-20 132.00 HRH.MPS.7020 TTRS Sub-systemc (Batch 1): Incorprate HRH comments (if any) and submit updated Job Plans 0% 06-Jul-20 09-Jul-20 06-Jul-20 12-Jan-21 15-Jan-21 HRH.MPS.7030 TTRS Sub-systemc (Batch 1): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO 1.0d 0% 10-Jul-20 10-Jul-20 10-Jul-20 10-Jul-20 19-Jan-21 19-Jan-21 132.00 65.0d 29-Jun-20 29-Sep-20 29-Sep-20 16-Oct-20 19-Jan-21 76.0c 29-Jun-20 29-Sep-20 HRH.MPS.7040 TTRS Sub-systemc (Batch 2); Develop the detailed Job Plans (Assume 85% Asset Group Job Plans) 52.0d 76.0d 0% 29-Jun-20 10-Sep-20 29-Jun-20 10-Sep-20 16-Oct-20 29-Dec-20 HRH.MPS.7050 TTRS Sub-systemc (Batch 2): Review of Job Plans by HRH 0% 11-Sep-20 76.0d 6.0d 18-Sep-20 11-Sep-20 18-Sep-20 30-Dec-20 07-Jan-21 TTRS Sub-systems (Batch 2): Incorprate HRH comments (if any) and ready for submission of updated Job Plans 6.0d 0% 21-Sep-20 21-Sep-20 28-Sep-20 76.00 HRH.MPS.7060 28-Sep-20 08-Jan-21 15-Jan-21 HRH.MPS.7070 TTRS Sub-systemc (Batch 2): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO 1.0d 0% 29-Sep-20 29-Sep-20 19-Jan-21 76.0d 29-Sep-20 29-Sep-20 19-Jan-21 113.0d 18-May-20 27-Oct-20 18-May-20 29-May-20 19-Jan-21 57 0d 27-Oct-20 🖶 MSP- Job Plans for On-Track Equipment Subsystem (x 44 Asset Group Job Plans) 50.0d 18-May-20 28-Jul-20 18-May-20 28-Jul-20 29-May-20 19-Jan-21 120.0d ■ HRH.MPS.8000 OTE Sub-systemc (Batch 1): Develop the detailed Job Plans (Assume 70% Asset Group Job Plans) 39.0d 0% 18-May-20 13-Jul-20 18-May-20 13-Jul-20 29-May-20 23-Jul-20 8.00 5.0d 120.0d HRH.MPS.8010 OTE Sub-systemc (Batch 1): Review of Job Plans by HRH 0% 14-Jul-20 20-Jul-20 14-Jul-20 20-Jul-20 04-Jan-21 08-Jan-21 п HRH.MPS.8020 OTE Sub-systemc (Batch 1): Incorprate HRH comments (if any) and submit updated Job Plans 5 0d 0% 21-Jul-20 27-Jul-20 21-Jul-20 27-Jul-20 11-Jan-21 15-Jan-21 120.00 HRH.MPS.8030 OTE Sub-systemc (Batch 1): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO 1.0d 0% 28-Jul-20 28-Jul-20 28-Jul-20 28-Jul-20 19-Jan-21 19-Jan-21 120.0d 15-Sep-20 27-Oct-20 25-Sep-20 57.0d Batch 2 - OTE 30.0d 15-Sep-20 27-Oct-20 19-Jan-21 27-Oct-20 HRH.MPS.8040 OTE Sub-systemc (Batch 2): Develop the detailed Job Plans (Assume 30% Asset Group Job Plans) 0% 15-Sep-20 07-Oct-20 15-Sep-20 07-Oct-20 25-Sep-20 20-Oct-20 8.00 57.0d ■ HRH.MPS.8050 OTE Sub-systems (Batch 2): Review of Job Plans by HRH 6.0d 0% 08-Oct-20 16-Oct-20 08-Oct-20 16-Oct-20 30-Dec-20 07-Jan-21 HRH.MPS.8060 OTE Sub-systemc (Batch 2): Incorprate HRH comments (if any) and ready for submission of updated Job Plans 6.0d 0% 19-Oct-20 26-Oct-20 19-Oct-20 26-Oct-20 08-Jan-21 15-Jan-21 57.0d HRH.MPS.8070 OTE Sub-systemc (Batch 2): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO 1.0d 0% 27-Oct-20 27-Oct-20 27-Oct-20 27-Oct-20 19-Jan-21 19-Jan-21 57 0d MSP- Job Plans for Facilities Management (x 140 Asset Group Job Plans) 123.0d 14-Jul-20 06-Jan-21 14-Jul-20 06-Jan-21 24-Jul-20 19-Jan-21 8.00 ▼ 06-Jan-21 55.0d 29-Sep-20 76.0d 29-Sep-20 Batch 1 - FM 14-Jul-20 14-Jul-20 29-Sep-20 24-Jul-20 19-Jan-21 ■ HRH.MPS.9000 FM Sub-systemc (Batch 1): Develop the detailed Job Plans (Assume 45% Asset Group Job Plans) 44.0d 0% 14-Jul-20 14-Sep-20 14-Jul-20 14-Sep-20 24-Jul-20 24-Sep-20 8.00 HRH.MPS.9010 5 0d 0% 15-Sep-20 21-Sep-20 76 0d FM Sub-systemc (Batch 1): Review of Job Plans by HRH 21-Sep-20 15-Sep-20 04-Jan-21 08-Jan-21 HRH.MPS.9020 5.0d 28-Sep-20 76.0d FM Sub-systemc (Batch 1): Incorprate HRH comments (if any) and submit updated Job Plans 0% 22-Sep-20 28-Sep-20 22-Sep-20 11-Jan-21 15-Jan-21 HRH.MPS.9030 FM Sub-systemc (Batch 1): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO 1.0d 0% 29-Sep-20 19-Jan-21 76.0d 29-Sep-20 29-Sep-20 29-Sep-20 19-Jan-21 Batch 2 - FM 62.0d 08-Oct-20 06-Jan-21 08-Oct-20 06-Jan-21 21-Oct-20 HRH.MPS.9040 FM Sub-systemc (Batch 2): Develop the detailed Job Plans (Assume 55% Asset Group Job Plans) 51.0d 0% 08-Oct-20 20-Dec-20 08-Oct-20 20-Dec-20 21-Oct-20 31-Dec-20 8.0d 8.0d HRH.MPS.9050 FM Sub-systemc (Batch 2): Review of Job Plans by HRH 6.0d 0% 21-Dec-20 29-Dec-20 21-Dec-20 29-Dec-20 04-Jan-21 11-Jan-21 ■ HRH.MPS.9060 8.0d 6.0d FM Sub-systemc (Batch 2): Incorprate HRH comments (if any) and ready for submission of updated Job Plans 0% 28-Dec-20 05-Jan-21 28-Dec-20 05-Jan-21 08-Jan-21 15-Jan-21 HRH.MPS.9070 FM Sub-systemc (Batch 2): Accepted by HRH and ready to use for MMIS Data Input in MAXIMO 1.0d 0% 06-Jan-21 06-Jan-21 06-Jan-21 06-Jan-21 19-Jan-21 19-Jan-21 8.0d Auditing, Performance Evaluation and Reporting 131.0d 01-Jul-20 06-Jan-21 01-Jul-20 06-Jan-21 14-Jul-20 26-Feb-21 35.0d 06-Jan-2 25-Sep-20 S1PC05021000 8 0d Develop Internal/Client Reporting Procedure with blank templates 40 0d 0% 01-Jul-20 26-Aug-20 01-Jul-20 26-Aug-20 14-Jul-20 08-Sep-20 S1PC05021010 25-Sep-20 09-Sep-20 07-Oct-20 8.0d Review and Jointly Agree with HRH/HART prior to population of reports 21.0d 0% 27-Aug-20 25-Sep-20 27-Aug-20 Annual Asset Audi 25-Seb-2 S1PC05021020 Develop Annual AM System Audit requirements, audit frequency and timeline 30.0d 0% 16-Jul-20 26-Aug-20 16-Jul-20 26-Aug-20 28-Jul-20 08-Sep-20 8.0d 8.0d S1PC05021030 Review and Jointly Agree with HRH/HART prior to commencement of audit 21.0d 0% 27-Aug-20 25-Sep-20 27-Aug-20 25-Sep-20 09-Sep-20 07-Oct-20 S1PC05021040 Develop Procedure for Annual Asset Cond Reports (including Asset Overhaul Schedule, Maint. Performance) with templates 8 Od 30 0d 0% 28-Sep-20 09-Nov-20 28-Sep-20 09-Nov-20 08-Oct-20 20-Nov-20 S1PC05021050 55.0d Review and Jointly Agree with HRH/HART prior to population of all the periodic AAC Reports 20.0d 0% 10-Nov-20 09-Dec-20 10-Nov-20 09-Dec-20 29-Jan-21 26-Feb-21 ■ S1PC05021060 Develop Procedure for Annual CARP Report & Forecast with templates 8.00 20.0d 0% 10-Nov-20 09-Dec-20 10-Nov-20 09-Dec-20 23-Nov-20 19-Dec-20 S1PC05021070 Review and Jointly Agree with HRH/HART prior to population of all the periodic CARP Report 8.00 20.0d 0% 10-Dec-20 06-Jan-21 10-Dec-20 06-Jan-21 20-Dec-20 19-Jan-21 Infrastructures Access and PTW 94 0d 01-Jul-20 13-Nov-20 01-Jul-20 13-Nov-20 06-Jul-20 17-Nov-20 2 0d ■ 13-Nov-20 Remaining Work Milestone

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Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Subm.ission	Samrat	Michele
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08-Jul-20	HNL - Rev. BL_HART (1 March 21) - with revision in Trial Run	Samrat	Michele

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT Activity ID Activity % Start Remaining Original Remaining Remaining Remaining Q Q Q Q Q Duration Complete Early Start Early Finish Late Start Late Finish Float | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | S1PC05031000 Conduct Workshops to discuss and agree with the HRH (D&B),FM Infra. Access PTW Procedure and Practice 20.0d 0% 01-Jul-20 29-Jul-20 01-Jul-20 29-Jul-20 06-Jul-20 31-Jul-20 2.00 S1PC05031020 2.0d Jointly Agree on the implementation of Protection Procedure and relevant Work Instructions 20.0d 0% 30-Jul-20 26-Aug-20 30-Jul-20 26-Aug-20 03-Aug-20 28-Aug-20 S1PC05031030 20.0d 11.0d Prepare PTW Procedure, Approved Walking Routes, Infrastructure Access Planning procedure and relevant WI (prior to TR) 0% 30-Jul-20 26-Aug-20 30-Jul-20 26-Aug-20 14-Aug-20 11-Sep-20 06-Nov-20 S1PC05031010 Discuss, agreed and Set-up PTW & Access Control System for operational railways 25.0d 0% 27-Aug-20 01-Oct-20 27-Aug-20 2.0d 01-Oct-20 31-Aug-20 05-Oct-20 S1PC05031040 2.0d Arrangements for PTW, including staff assignment and implementation (prior to rule book change over from TR Phase) 0% 02-Oct-20 06-Nov-20 02-Oct-20 06-Nov-20 10-Nov-20 PTW Training Roll-Ou 13-Nov-20 S1PC05031050 Frameout O&M Contractor System wide and Line Side PTW requirements 30-Jul-20 20.0d 0% 30-Jul-20 26-Aug-20 26-Aug-20 14-Aug-20 11-Sep-20 11.0d S1PC05031060 Prepare PTW Training Material 20.0d 11.0d 0% 27-Aug-20 24-Sep-20 27-Aug-20 24-Sep-20 14-Sep-20 09-Oct-20 S1PC05031070 20.0d 0% 27-Aug-20 24-Sep-20 14-Sep-20 09-Oct-20 11.0d System wide PTW Training material 24-Sep-20 27-Aug-20 S1PC05031080 2.0d System wide PTW Training for all O&M Staff (to participate in TR-Test Cases) 25.0d 0% 08-Oct-20 13-Nov-20 08-Oct-20 13-Nov-20 13-Oct-20 17-Nov-20 Asset Handover 85.0d 01-Jul-20 30-Oct-20 01-Jul-20 30-Oct-20 09-Jul-20 06-Nov-20 5.0d ▼ 30-Oct-20 40.00 ▼ 26-Aug-20 Process of Hand of Work Asset S1PC05041000 Establish the process of - Transfer of Asset from the D&B Contractor to Employer 40.0d 0% 01-Jul-20 26-Aug-20 01-Jul-20 26-Aug-20 09-Jul-20 02-Sep-20 5.0d S1PC05041010 Establish the process of - Transfer of Asset from the Employer to O&M Contractor 40.0d 0% 01-Jul-20 26-Aug-20 01-Jul-20 26-Aug-20 01-Oct-20 25.0d 06-Aug-20 24-Sep-20 S1PC05041020 Design Acceptance 30.0d 0% 01-Jul-20 12-Aug-20 01-Jul-20 12-Aug-20 09-Jul-20 19-Aug-20 5 0d S1PC05041030 30.0d 5.0d T&C Acceptance 0% 01-Jul-20 12-Aug-20 01-Jul-20 12-Aug-20 09-Jul-20 19-Aug-20 5.0d 30.0d 01-Oct-20 S1PC05041080 Preliminary HO acceptance 0% 13-Aug-20 24-Sep-20 13-Aug-20 24-Sep-20 20-Aug-20 S1PC05041090 20-Aug-20 Final HO acceptance 30.0d 0% 13-Aug-20 24-Sep-20 13-Aug-20 24-Sep-20 01-Oct-20 5.0d nspection and Ass 01-Oct-20 S1PC05041040 Appoint Handover Project Manager and deploy support team 10.0d 0% 01-Jul-20 15-Jul-20 01-Jul-20 15-Jul-20 09-Jul-20 22-Jul-20 5.00 S1PC05041070 5.0d Inspection and Asset Evaluation Roles 30.0d 0% 16-Jul-20 26-Aug-20 16-Jul-20 26-Aug-20 23-Jul-20 02-Sep-20 S1PC05041100 01-Oct-20 08-Oct-20 5.0d Inspection and Asset Evaluation Workflow 0% 27-Aug-20 01-Oct-20 27-Aug-20 03-Sep-20 Punch-list and Wa S1PC05041050 24-Sep-20 24-Sep-20 5.0d Punch list Management 60.0d 0% 01-Jul-20 01-Jul-20 09-Jul-20 01-Oct-20 S1PC05041060 5.0d Waranty Managemnt 60 0d 0% 01-Jul-20 24-Sep-20 24-Sep-20 09-Jul-20 01-Oct-20 01-Jul-20 S1PC05041110 Desktop Handover - Review & Agree the reg. document list received for Pilot Handover Station 5.0d 0% 25-Sep-20 01-Oct-20 25-Sep-20 01-Oct-20 02-Oct-20 08-Oct-20 5.0d S1PC05041120 Detailed Inspection by relevant HRH Maintenance Team (inside Pilot Station) 5.0d 08-Oct-20 16-Oct-20 5.0d 0% 02-Oct-20 08-Oct-20 02-Oct-20 09-Oct-20 S1PC05041130 5.0d П Pre Handover Report 5 0d 0% 09-Oct-20 16-Oct-20 16-Oct-20 19-Oct-20 09-Oct-20 23-Oct-20 S1PC05041140 Site Handover (Punch List Review, spare parts & tools stock taking & keys handover) 5.0d 0% 19-Oct-20 23-Oct-20 23-Oct-20 26-Oct-20 30-Oct-20 5.0d 19-Oct-20 S1PC05041150 Final Handover Report for PILOT STATION (IO-1) 5.0d 5.0d 0% 26-Oct-20 30-Oct-20 30-Oct-20 26-Oct-20 02-Nov-20 06-Nov-20 Core Systems Contract (CSC) Readiness 94.0d 01-Jul-20 13-Nov-20 01-Jul-20 13-Nov-20 06-Jul-20 17-Nov-20 2.0d 13-Nov-20 ▼ 13-Nov-20 Communications (COM) Site Visits, Ident, of Work Defects & Non-Compliance ▼ 13-Nov-20 S1PC05051000 COM - Site Visits for Due Diligence 40.0d 0% 15-Jul-20 09-Sep-20 15-Jul-20 09-Sep-20 17-Jul-20 11-Sep-20 2.0d S1PC05051010 COM - Identification of defects & Non-Compliance at System /Sub-System level 40.0d 0% 15-Jul-20 09-Sep-20 15-Jul-20 09-Sep-20 17-Jul-20 11-Sep-20 2.00 2.0d S1PC05051020 COM - Categorization of defects 20.0d 0% 10-Sep-20 07-Oct-20 10-Sep-20 07-Oct-20 14-Sep-20 09-Oct-20 S1PC05051030 2.0d COM - Liaise with D&B Contractor (HRH) for Work Rectifications 25.0d 0% 08-Oct-20 13-Nov-20 08-Oct-20 13-Nov-20 13-Oct-20 17-Nov-20 S1PC05051040 COM - Update punch list register 25 0d 13-Nov-20 13-Nov-20 13-Oct-20 2 0d 0% 08-Oct-20 08-Oct-20 17-Nov-20 S1PC05051050 COM - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling 0% 10-Sep-20 2 0d 20 0d 07-Oct-20 10-Sep-20 07-Oct-20 14-Sep-20 09-Oct-20 S1PC05051060 2.0d COM - Validation of spares, special tools & consumables 0% 08-Oct-20 13-Nov-20 08-Oct-20 13-Nov-20 13-Oct-20 17-Nov-20 40.0d 10-Nov-20 Site Visits, Ident. of Work Defects & Non-Compliance S1PC05051070 SIG - Site Visits for Due Diligence 20 0d 0% 15-Sep-20 13-Oct-20 15-Sep-20 13-Oct-20 21-Sep-20 19-Oct-20 4 0d S1PC05051080 SIG - Identification of defects & Non-Compliance at System /Sub-System level 20.0d 0% 15-Sep-20 13-Oct-20 15-Sep-20 13-Oct-20 13-Oct-20 09-Nov-20 19.0d S1PC05051090 SIG - Categorization of defects 20.0d 0% 15-Sep-20 13-Oct-20 15-Sep-20 13-Oct-20 13-Oct-20 09-Nov-20 19.00 S1PC05051100 SIG - Liaise with D&B Contractor (HRH) for Work Rectifications 25.0d 0% 15-Sep-20 20-Oct-20 15-Sep-20 20-Oct-20 13-Oct-20 17-Nov-20 19.0d S1PC05051110 19.0d SIG - Update punch list register 25.0d 0% 15-Sep-20 20-Oct-20 20-Oct-20 13-Oct-20 15-Sep-20 17-Nov-20 Remaining Work Milestone

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Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT Activity ID Activity % Start Remaining Original Remaining Remaining Remaining Q Q Q Q Q Duration Complete Early Finish Late Start Late Finish Float | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | S1PC05051120 SIG - Revalidation of manpower requirement based on maintenance plan, periodicity and shift scheduling 10.0d 0% 14-Oct-20 27-Oct-20 14-Oct-20 27-Oct-20 20-Oct-20 02-Nov-20 4.00 S1PC05051130 10.0d 10-Nov-20 28-Oct-20 10-Nov-20 03-Nov-20 17-Nov-20 4.0d Ė SIG - Validation of spares, special tools & consumables 0% 28-Oct-20 12-Nov-20 Platform Screen Gates (PSG) Site Visits, Ident. of Work Defects & Non-Complian 28-Oct-20 S1PC05051140 PSD - Site Visits for Due Diligence 0% 30-Sep-20 21-Oct-20 3.00 15.0d 21-Oct-20 30-Sep-20 05-Oct-20 26-Oct-20 S1PC05051150 21-Oct-20 09-Nov-20 13.0d PSD - Identification of defects & Non-Compliance at System /Sub-System level 15.0d 0% 30-Sep-20 21-Oct-20 30-Sep-20 20-Oct-20 S1PC05051160 PSD - Categorization of defects 15 0d 21-Oct-20 13 0d 0% 30-Sep-20 21-Oct-20 30-Sep-20 20-Oct-20 09-Nov-20 S1PC05051170 PSD - Liaise with D&B Contractor (HRH) for Work Rectifications 13.0d 0% 30-Sep-20 28-Oct-20 30-Sep-20 28-Oct-20 20-Oct-20 17-Nov-20 S1PC05051180 PSD - Update punch list register 20.0d 13.0d 0% 30-Sep-20 28-Oct-20 30-Sep-20 28-Oct-20 20-Oct-20 17-Nov-20 12-Nov-20 S1PC05051190 3.0d PSD - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling 5.0d 0% 22-Oct-20 28-Oct-20 28-Oct-20 27-Oct-20 02-Nov-20 22-Oct-20 S1PC05051200 10.0d 0% 29-Oct-20 29-Oct-20 12-Nov-20 03-Nov-20 3.0d PSD - Validation of spares, special tools & consumables 12-Nov-20 17-Nov-20 60.00 10-Nov-20 Rail Electrification (REL Site Visits, Ident, of Work Defects & Non-Compliance 13-Oct-20 S1PC05051210 0% 17-Aug-20 28-Sep-20 21-Aug-20 REL - Site Visits for Due Diligence 30 0d 17-Aug-20 28-Sep-20 02-Oct-20 4 0d S1PC05051220 REL - Identification of defects & Non-Compliance at System /Sub-System level 30.0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 21-Sep-20 02-Nov-20 24.0d S1PC05051230 28-Sep-20 REL - Categorization of defects 30 0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 21-Sep-20 02-Nov-20 24 Oc S1PC05051240 REL - Liaise with D&B Contractor (HRH) for Work Rectifications 24.0d 40.0d 0% 17-Aug-20 13-Oct-20 17-Aug-20 13-Oct-20 21-Sep-20 17-Nov-20 S1PC05051250 REL - Update punch list register 40.0d 24.00 0% 17-Aug-20 13-Oct-20 17-Aug-20 13-Oct-20 21-Sep-20 17-Nov-20 S1PC05051260 0% 29-Sep-20 REL - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling 10.0d 13-Oct-20 05-Oct-20 19-Oct-20 4.0d 13-Oct-20 29-Sep-20 S1PC05051270 20.0d 0% 14-Oct-20 4.0d REL - Validation of spares, special tools & consumables 10-Nov-20 14-Oct-20 10-Nov-20 20-Oct-20 17-Nov-20 **T** Track (TRK) ▼ 10-Nov-20 Site Visits, Ident. of Work Defects & Non-Compliance S1PC05051280 0% 17-Aug-20 21-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 02-Oct-20 4 0d TRK - Site Visits for Due Diligence 30 0d S1PC05051290 TRK - Identification of defects & Non-Compliance at System /Sub-System level 30.0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 21-Sep-20 02-Nov-20 24.00 S1PC05051300 TRK - Categorization of defects 30.0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 21-Sep-20 02-Nov-20 24 Oc S1PC05051310 TRK - Liaise with D&B Contractor (HRH) for Work Rectifications 0% 17-Aug-20 13-Oct-20 17-Aug-20 13-Oct-20 21-Sep-20 17-Nov-20 24.0d S1PC05051320 TRK - Update punch list register 40.0d 0% 17-Aug-20 13-Oct-20 17-Aug-20 13-Oct-20 21-Sep-20 17-Nov-20 24.00 -Nov-20 10.0d S1PC05051330 TRK - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling 0% 29-Sep-20 13-Oct-20 29-Sep-20 13-Oct-20 05-Oct-20 19-Oct-20 4.0d ■ S1PC05051340 TRK - Validation of spares, special tools & consumables 20.0d 0% 14-Oct-20 10-Nov-20 14-Oct-20 10-Nov-20 20-Oct-20 17-Nov-20 4.0d 94 00 ■ 13-Nov-20 Rolling Stock (RST) Site Visits, Ident. of Work Defects & Non-Compliance 10-Sep-20 S1PC05051350 RST - Site Visits for Due Diligence 50 0d 0% 01-Jul-20 10-Sep-20 01-Jul-20 06-Jul-20 14-Sep-20 2.0d S1PC05051360 RST - Identification of defects & Non-Compliance at System /Sub-System level 50.0d 0% 01-Jul-20 10-Sep-20 01-Jul-20 10-Sep-20 24-Jul-20 02-Oct-20 16.0c S1PC05051370 RST - Categorization of defects 30.0d 0% 11-Sep-20 23-Oct-20 11-Sep-20 23-Oct-20 05-Oct-20 17-Nov-20 16.00 S1PC05051380 RST - Liaise with D&B Contractor (HRH) for Work Rectifications 30.0d 0% 11-Sep-20 23-Oct-20 11-Sep-20 23-Oct-20 05-Oct-20 17-Nov-20 16.00 S1PC05051390 RST - Update punch list register 30.0d 0% 11-Sep-20 23-Oct-20 11-Sep-20 23-Oct-20 05-Oct-20 17-Nov-20 16.00 S1PC05051400 RST - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling 15.0d 0% 11-Sep-20 01-Oct-20 11-Sep-20 01-Oct-20 15-Sep-20 05-Oct-20 2.00 S1PC05051410 RST - Validation of spares, special tools & consumables 29.0d 0% 02-Oct-20 13-Nov-20 02-Oct-20 13-Nov-20 06-Oct-20 17-Nov-20 2.0d Depot Workshop Equipments (DWE) 60.00 ₩ 10-Nov-20 Site Visits, Ident. of Work Defects & Non-Compliance S1PC05051420 DWE - Site Visits for Due Diligence 30.0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 21-Aug-20 02-Oct-20 4.00 S1PC05051430 DWE - Identification of defects & Non-Compliance at System /Sub-System level 30.0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 21-Sep-20 02-Nov-20 24.0d S1PC05051440 DWE - Categorization of defects 30.0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 21-Sep-20 02-Nov-20 24 Oc S1PC05051450 DWE - Liaise with D&B Contractor (HRH) for Work Rectifications 40.0d 0% 17-Aug-20 13-Oct-20 17-Aug-20 13-Oct-20 21-Sep-20 17-Nov-20 24.0d S1PC05051460 DWE - Update punch list register 40.0d 0% 17-Aug-20 13-Oct-20 17-Aug-20 13-Oct-20 21-Sep-20 17-Nov-20 24.00 10-Nov-20 S1PC05051470 DWE - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling 10.0d 0% 29-Sep-20 13-Oct-20 29-Sep-20 13-Oct-20 05-Oct-20 19-Oct-20 4.0d Date Revision Checked Approved Remaining Work Milestone Page 20 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Samrat Inspire the Next

08-Jul-20

HNL - Rev. BL HART (1 March 21) - with revision in Trial Run

Michele

Actual Work

Critical Milestones

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT Activity ID Original Activity % Start Remaining Remaining Remaining Remaining Q Q Early Start Early Finish Late Start Late Finish Float | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | S1PC05051480 DWE - Validation of spares, special tools & consumables 20.0d 0% 14-Oct-20 10-Nov-20 14-Oct-20 10-Nov-20 20-Oct-20 17-Nov-20 4.0d Civil Structurs & Viaduct Readiness 17-Aug-20 4.0d 60.0d 10-Nov-20 10-Nov-20 21-Aug-20 17-Nov-20 10-Nov-20 17-Aug-20 ▼ 10-Nov-20 Readiness for Partic S1PC05061000 0% 17-Aug-20 CIS - Site Visits along with Specialised Agency for Due diligence (IO-1) 30 0d 28-Sep-20 17-Aug-20 28-Sep-20 21-Aug-20 02-Oct-20 4 0d S1PC05061010 4.0d CIS - Discuss "Punch list" internally with Operation Department (IO-1) 30.0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 21-Aug-20 02-Oct-20 S1PC05061020 CIS - Discuss "Punch list" externally with Client and D&B Representitive (IO-1) 30.0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 21-Aug-20 02-Oct-20 4.0d S1PC05061030 4.0d CIS - Categorization of Defects (IO-1) 0% 17-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 21-Aug-20 02-Oct-20 S1PC05061040 4.0d CIS - Develop Client Follow-up Procedures for rectification (IO-1) 20.0d 0% 29-Sep-20 27-Oct-20 27-Oct-20 05-Oct-20 29-Sep-20 02-Nov-20 S1PC05061050 CIS - Update Punch list register (IO-1) 30.0d 0% 29-Sep-20 10-Nov-20 29-Sep-20 10-Nov-20 05-Oct-20 17-Nov-20 4.0d 03-Aug-20 FM Readiness 90.0d 03-Aug-20 10-Dec-20 10-Dec-20 21-Aug-20 19-Jan-21 27.0d 10-Dec-20 Readiness for Pa ▼ 10-Nov-20 S1PC05071080 0% 17-Aug-20 17-Aug-20 FAM - Site Visits along with Sub-Contractor for Due diligence (IO-1) 4.0d 30.0d 28-Sep-20 28-Sep-20 21-Aug-20 02-Oct-20 S1PC05071090 4.0d FAM - Discuss "Punch list" internally with Operation Department (IO-1) 30.0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 21-Aug-20 02-Oct-20 S1PC05071100 FAM - Discuss "Punch list" externally with Client and D&B Representitive (IO-1) 30.0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 28-Sep-20 21-Aug-20 02-Oct-20 4.0d . S1PC05071110 27-Oct-20 4.0d FAM - Categorization of Defects (IO-1) 0% 29-Sep-20 27-Oct-20 29-Sep-20 05-Oct-20 02-Nov-20 S1PC05071120 FAM - Develop Client Follow-up Procedures for rectification (IO-1) 20.0d 27-Oct-20 4.0d 0% 29-Sep-20 27-Oct-20 29-Sep-20 05-Oct-20 02-Nov-20 S1PC05071130 FAM - Update Punch list register (IO-1) 10.0d 0% 28-Oct-20 10-Nov-20 28-Oct-20 10-Nov-20 03-Nov-20 17-Nov-20 4.0d Documentation (Pr dures & Forms) 10-Nov-20 S1PC05071000 FAM- Write Procedures/Work Instructions/Forms 40.0d 0% 03-Aug-20 28-Sep-20 03-Aug-20 28-Sep-20 10-Sep-20 05-Nov-20 27.00 ■ S1PC05071020 FAM- Prepare Training Presentations 20.0d 27-Oct-20 07-Dec-20 27.00 0% 29-Sep-20 29-Sep-20 27-Oct-20 06-Nov-20 S1PC05071140 FAM- Prepare Training Assessment Papers (to assess Sub-Con Field Staff) 10.0d 0% 28-Oct-20 10-Nov-20 28-Oct-20 10-Nov-20 08-Dec-20 19-Dec-20 27.0d Ė Set Roostering Rule 10-Nov-20 S1PC05071010 Prepare Roster rules for Cleaning Staff (prior to TR start 15.0d 0% 29-Sep-20 20-Oct-20 29-Sep-20 20-Oct-20 06-Nov-20 30-Nov-20 27.0d ■ S1PC05071030 27.00 Prepare and Review Roster - Team Leaders and Cleaning Staff (prior to TR start) 15.0d 0% 21-Oct-20 10-Nov-20 21-Oct-20 10-Nov-20 01-Dec-20 19-Dec-20 Work Flows 0:3-Nov-20 S1PC05071040 Prepare Work Flows for Interim O&M Segment 1 16-Nov-20 32.00 25.0d 0% 29-Sep-20 03-Nov-20 29-Sep-20 03-Nov-20 19-Dec-20 0-Dec-20 S1PC05071050 Complete ID Forms and Setup Record Database 20-Dec-20 27 0d 10 0d 0% 12-Nov-20 25-Nov-20 12-Nov-20 25-Nov-20 04-Jan-21 S1PC05071060 Submit FORMS for ID/ Gate Passes 10.0d 0% 27-Nov-20 10-Dec-20 27-Nov-20 10-Dec-20 05-Jan-21 19-Jan-21 27.0d S1PC05071070 Issue ID Cards / Gate Passes for Interim O&M Segment 1 O&M Staff (to participate in RAMS Service Demonstration) 10.0d 0% 27-Nov-20 10-Dec-20 27-Nov-20 10-Dec-20 19-Jan-21 27.00 05-Jan-21 489.0d 15-Mar-19 A 05-Feb-21 05-Feb-21 03-Sep-20 26-Feb-21 Operations Management ▼ 05-Feb-21 15-Mar-19 A 14-Apr-20 A 4-Apr-20 A Technical Deliverables 274 0d Management Plan 76.0c ▼ 30-Oct-19 A ▼ 30-Odt-19:A PL= Bronze 76.0d 15-Mar-19 A 16-Jul-19 A 16-Jul-19 A S1PC06011000 BRONZE: Draft Submission of the Operations MGMT. Plan 76.0d 100% 15-Mar-19 A 01-Jul-19 A S1PC06011010 16-Jul-19 A BRONZE: First Review by HRH and issue comment sheet on draft plan 10.0d 100% 02-Jul-19 A PL= Silver 20.0d 17-Jul-19 A 29-Aug-19 A ₹ 29-Aug-19 A S1PC06011020 SILVER: Incorporate comments and update the draft plan 10.0d 100% 17-Jul-19 A 30-Jul-19 A S1PC06011030 SILVER: Submission of the Operations MGMT. Plan to HART 2.0d 100% 31-Jul-19 A 01-Aug-19 A S1PC06011060 SILVER: Review by HART, issue final comment sheet 20.0d 100% 02-Aug-19 A 29-Aug-19 A 30-Oct-19 A PL= Gold 40.0d 30-Aug-19 A 30-Oct-19 A S1PC06011040 GOLD: Holds discussion, incorporate comments and finalise/complete the Plan (part of GOLD Submission) 40.0d 100% 30-Aug-19 A 28-Oct-19 A GOLD: Final Doc check and submit the Operations MGMT. Plan for Fomal Approval 2.0d S1PC06011050 100% 29-Oct-19 A 30-Oct-19 A 15-Mar-19 A 31-Mar-20 A Procedures 234.0d -Mar-20 A PR- Stations -Mar-20 A PR= Bronze 76.0d 15-Mar-19 A 16-Jul-19 A 16-Jul-19 A S1PC06011070 BRONZE: Draft Submission of all the Station Procedures 76.0d 100% 15-Mar-19 A 01-Jul-19 A S1PC06011080 BRONZE: First Review by HRH and issue comment sheet on draft Procedures 100% 02-Jul-19 A 16-Jul-19 A 10.0d PR= Silver 17-Jul-19 A 29-Aug-19 A 29-Aug-19 A S1PC06011090 SILVER: Incorporate comments and update the draft Procedures 11.0d 100% 17-Jul-19 A 31-Jul-19 A S1PC06011100 SILVER: Submission of all the Station Procedures to HART 100% 01-Aug-19 A 01-Aug-19 A 1.0d S1PC06011130 SILVER: Review by HART, issue final comment sheet 20.0d 100% 02-Aug-19 A 29-Aug-19 A Date Revision Checked Approved Remaining Work Milestone Page 21 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Samrat Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

## APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT

ity ID	Activity Name	Original Duration	Activity % Start Complete	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Q Float M A M J	Q Q Jul A S O N D	Q Q Q J F M A M J Jul A S C	Q Q N D J F M A
PR= Gold		234.0d	30-Aug	-19 A 31-Mar-20 A	4							
S1PC06011110	GOLD: Holds discussion, incorporate comments and finalise/complete the Station Procedures (part of GOLD Submission)	40.0d	100% 30-Aug	-19 A 30-Mar-20 A	4				1 1			
S1PC06011120	GOLD: Final Doc check and submit all the Station Procedures for Fornal Approval	2.0d	100% 31-Mar	-20 A 31-Mar-20	4							
PR- Trains		234.0d	25-Mar	-19 A 31-Mar-20 A	4				<u> </u>		31-Mar-20 A	
PR= Bronze		70.0d	25-Mai	-19 A 16-Jul-19 A					<u> </u>	▼ 16-Jul-19 A		
S1PC06011140	BRONZE: Draft Submission of all the Train Procedures	70.0d	100% 25-Mar	-19 A 01-Jul-19 A								
S1PC06011150	BRONZE: First Review by HRH and issue comment sheet on draft Procedures	10.0d	100% 02-Jul-	9 A 16-Jul-19 A								
PR= Silver		20.0d	17-Jul-	9 A 29-Aug-19 A	4					29-Aug-19 A		
S1PC06011160	SILVER: Incorporate comments and update the draft Procedures	11.0d	100% 17-Jul-	9 A 31-Jul-19 A					1 1			
S1PC06011170	SILVER: Submission of all the Train Procedures to HART	1.0d	100% 01-Aug	-19 A 01-Aug-19 A	A							
S1PC06011200	SILVER: Review by HART, issue final comment sheet	20.0d	100% 02-Aug	-19 A 29-Aug-19 A	4				1 1			
PR= Gold		234.0d	30-Aug	-19 A 31-Mar-20 A	4					V	3 -Mar-20 A	
S1PC06011180	GOLD: Holds discussion, incorporate comments and finalise/complete the Train Procedures (part of GOLD Submission)	40.0d	100% 30-Aug	-19 A 30-Mar-20 A	4				1 1			
S1PC06011190	GOLD: Final Doc check and submit all the Train Procedures for Fomal Approval	2.0d	100% 31-Mar	-20 A 31-Mar-20	4							
PR- OCC		234.0d	15-Mar	-19 A 31-Mar-20 A	4				V ; ;		3 -Mar-20 A	
PR= Bronze		76.0d							V	16-Jul-19 A		
S1PC06011210	BRONZE: Draft Submission of all the Train Procedures	76.0d	100% 15-Mar	-19 A 01-Jul-19 A								
S1PC06011220	BRONZE: First Review by HRH and issue comment sheet on draft Procedures	10.0d	100% 02-Jul-	9 A 16-Jul-19 A								
PR= Silver		20.0d								29-Aug-19 A		
S1PC06011230	SILVER: Incorporate comments and update the draft Procedures	11.0d										
S1PC06011240	SILVER: Submission of all the Train Procedures to HART	1.0d	100% 01-Aug	-19 A 01-Aug-19 A	A							
S1PC06011270	SILVER: Review by HART, issue final comment sheet	20.0d	100% 02-Aug	-19 A 29-Aug-19 A	4							
PR= Gold		234.0d	30-Aug	-19 A 31-Mar-20	4				1 1		3 -Mar-20 A	
S1PC06011250	GOLD: Holds discussion, incorporate comments and finalise/complete the Train Procedures (part of GOLD Submission)	40.0d	100% 30-Aug	-19 A 30-Mar-20 A	4							
S1PC06011260	GOLD: Final Doc check and submit all the Train Procedures for Fomal Approval	2.0d	100% 31-Mar	-20 A 31-Mar-20 A	4							
Work Instructions (WI)		274.0d	15-Mar	-19 A 14-Apr-20 <i>A</i>	\				V		▼ 14-Apr-20 A	
WI- Stations		274.0d							V .		▼ 14-Apr-20 A	
WI= Bronze	PROJECT De 6 O description of all the Obstruct Mills	86.0d		-19 A 16-Jul-19 A					: :	16-Jul-19 A		
S1PC06011280	BRONZE: Draft Submission of all the Stations WI	76.0d										
S1PC06011290	BRONZE: First Review by HRH and issue comment sheet on draft WI	10.0d										
WI= Silver	CII VED Incomprete comments and undate the draft IVI	32.0d								29-Aug-19 A		
S1PC06011300	SILVER: Incorporate comments and update the draft WI	11.0d										
S1PC06011310	SILVER: Submission of all the Stations WI to HART	1.0d		-19 A 01-Aug-19 A								
S1PC06011340	SILVER: Review by HART, issue final comment sheet	20.0d		-19 A 29-Aug-19 A								
WI= Gold		156.0d								Y	▼ 14-Apr-20 A	
S1PC06011320	GOLD: Holds discussion, incorporate comments and finalise/complete the General Stations WI (part of GOLD Submission)	40.0d		·								
S1PC06011330	GOLD: Final Doc check and submit all the Stations WI for Fomal Approval	2.0d									1	
WI- Trains		274.0d		-19 A 14-Apr-20 A							14-Apr-20 A	
WI= Bronze = S1PC06011350	BRONZE: Draft Submission of all the Train WI	86.0d		-19 A 16-Jul-19 A -19 A 01-Jul-19 A					<u> </u>	7 16-Jul-19 A		
		76.0d										
S1PC06011360	BRONZE: First Review by HRH and issue comment sheet on draft WI	10.0d										
WI= Silver	SII VED: Incorporate comments and undata the draft W/	32.0d		9 A 29-Aug-19 A						29-Aug-19 A		
S1PC06011370	SILVER: Incorporate comments and update the draft WI	11.0d		9 A 31-Jul-19 A								
S1PC06011380	SILVER: Submission of all the Train WI to HART	1.0d		-19 A 01-Aug-19 A								
S1PC06011410	SILVER: Review by HART, issue final comment sheet	20.0d		-19 A 29-Aug-19 A								
WI= Gold	00ID HHL #	156.0d		-19 A 14-Apr-20 A							14-Apr-20 A	
S1PC06011390	GOLD: Holds discussion, incorporate comments and finalise/complete the Train WI (part of GOLD Submission)	40.0d	_	-19 A 13-Apr-20 A								
S1PC06011400	GOLD: Final Doc check and submit all the Train WI for Fomal Approval	2.0d										
WI- OCC		274.0d		-19 A 14-Apr-20 A					V		14-Apr-20 A	1 1 1 1
WI= Bronze	DDONZE, Data Ochanization of all the OCO MI	86.0d		-19 A 16-Jul-19 A						▼ 16-Jul-19 A		
S1PC06011420	BRONZE: Draft Submission of all the OCC WI	76.0d		-19 A 01-Jul-19 A								
S1PC06011430	BRONZE: First Review by HRH and issue comment sheet on draft WI	10.0d							1 1			
WI= Silver		20.0d	17-Jul-	9 A 29-Aug-19 A	4					29-Aug-19 A		
Remaining Work		1	= 22 of 30	1				Date		Revision	Checked	1 <i>P</i>

Remaining Work

Critical Remaining Work

Actual Work

◆ Milestone

✓ summary

◆ Critical Milestones

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Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Subm.ission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev. BL_HART (1 March 21) - with revision in Trial Run	Samrat	Michele

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT Activity ID Original Remaining Remaining Remaining Remaining Late Start Float M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | S1PC06011440 SILVER: Incorporate comments and update the draft WI 11.0d 100% 17-Jul-19 A 31-Jul-19 A S1PC06011450 SILVER: Submission of all the OCC WI to HART 1.0d 100% 01-Aug-19 A 01-Aug-19 A S1PC06011480 SILVER: Review by HART, issue final comment sheet 20.0d 100% 02-Aug-19 A 29-Aug-19 A WI= Gold 198.0d 30-Aug-19 A 14-Apr-20 A 4-Apr-20 A S1PC06011460 GOLD: Holds discussion, incorporate comments and finalise/complete the OCC WI (part of GOLD Submission) 100% 30-Aug-19 A 40.0d 13-Apr-20 A S1PC06011470 2.0d GOLD: Final Doc check and submit all the OCC WI for Fomal Approval 100% 14-Apr-20 A 14-Apr-20 A g and Workforce Management System 82.0d 27-Aug-20 22-Dec-20 27-Aug-20 22-Dec-20 03-Sep-20 19-Jan-21 17.0d Setting up Staff Roste S1PC06021000 0% 27-Aug-20 27-Aug-20 5.0d Set up basis and working rules for Staff Rostering 28-Sep-20 03-Sep-20 05-Oct-20 22.0d 28-Sep-20 S1PC06021010 Train Rostering staff on WorkForce Management System and Draft Initial Roster for Trial Run 10.0d 0% 01-Oct-20 15-Oct-20 01-Oct-20 15-Oct-20 06-Oct-20 20-Oct-20 3.0d S1PC06021020 3.0d 0% 16-Oct-20 20-Oct-20 16-Oct-20 20-Oct-20 21-Oct-20 23-Oct-20 3.0d Check rosters are aligned to the "Roster Rules" S1PC06021030 Create Event and Disruption Rosters, participate in discussion and workshops 10.0d 0% 21-Oct-20 03-Nov-20 21-Oct-20 03-Nov-20 26-Oct-20 06-Nov-20 3.00 S1PC06021040 Finalise the rosters and agree these with the Employer 15.0d 0% 04-Nov-20 25-Nov-20 04-Nov-20 25-Nov-20 01-Dec-20 19-Dec-20 17.0d S1PC06021050 Put in place 'Roster Change Governance' 10.0d 0% 27-Nov-20 10-Dec-20 27-Nov-20 10-Dec-20 20-Dec-20 04-Jan-21 17.0c S1PC06021060 Train and guide Line Managers in procedure for managing rosters locally and recording working hours 10.0d 0% 11-Dec-20 22-Dec-20 11-Dec-20 22-Dec-20 19-Jan-21 17.0d 05-Jan-21 b0 88 05-Feb-21 🖶 Train Timetabling 01-Oct-20 01-Oct-20 05-Feb-21 15-Oct-20 26-Feb-21 14 0d 05-Feb-21 S1PC06031000 Development of First Working Train Timetable 20.0d 0% 01-Oct-20 29-Oct-20 01-Oct-20 29-Oct-20 15-Oct-20 12-Nov-20 9.0d S1PC06031010 Consultation with various Transport Stakeholder and HART (joint workshops, reviews & feedback recording) 15.0d 0% 30-Oct-20 20-Nov-20 30-Oct-20 20-Nov-20 13-Nov-20 04-Dec-20 9.0d S1PC06031020 Refinement of Initial Timetable (for Multi-agency Exercise during Trial Run) 10.0d 0% 23-Nov-20 07-Dec-20 23-Nov-20 07-Dec-20 07-Dec-20 18-Dec-20 9.0d S1PC06031030 Submission of Initial Timetable for acceptance 1.0d 0% 08-Dec-20 08-Dec-20 08-Dec-20 08-Dec-20 19-Dec-20 19-Dec-20 9.0d S1PC06031040 Testing of Timetable (during SSA- RAMS Demo.) 20.0d 0% 09-Dec-20 05-Jan-21 09-Dec-20 05-Jan-21 20-Dec-20 19-Jan-21 9.00 S1PC06031050 Final Timetable Submission (for Revenue Service) 10.0d 0% 06-Jan-21 20-Jan-21 06-Jan-21 20-Jan-21 27-Jan-21 09-Feb-21 14 Oc S1PC06031060 Testing of RS Timetable and public announcement for Implementation of final timetable Segment 1- Line Opening 0% 21-Jan-21 05-Feb-21 21-Jan-21 05-Feb-21 10-Feb-21 26-Feb-21 14.00 Stakeholder Manager Technical Deliverables 170.0d 03-Feb-20 A 01-Oct-20 01-May-20 01-Oct-20 26-Jun-20 19-Dec-20 54.0d 04-May-20 Stakeholder Management Plan 40.0d 27-Feb-20 A PL= Bronze S1PC07011000 BRONZE: Draft Submission of the SM Plan 20.0d 100% 03-Feb-20 A 12-Feb-20 A S1PC07011010 BRONZE: First Review by HRH and issue comment sheet on draft plans 10.0d 100% 13-Feb-20 A 27-Feb-20 A 22-Apr-20 A S1PC07011020 SILVER: Incorporate comments and update the draft plan 40.0d 100% 28-Feb-20 A 30-Mar-20 A S1PC07011030 SILVER: Submission of the Plan to HART 100% 31-Mar-20 A 31-Mar-20 A S1PC07011060 SILVER: Review by HART, issue final comment sheet 20.0d 100% 01-Apr-20 A 22-Apr-20 A 04-May-20 S1PC07011040 GOLD: Incorporate comments and finalise/complete the Plan (part of GOLD Submission) 30.0d 100% 23-Apr-20 A 29-Apr-20 A S1PC07011050 GOLD: Submission of the Stakeholder Management Plan for Fomal Approval 2.0d 95% 30-Apr-20 A 04-May-20 01-May-20 04-May-20 26-Jun-20 29-Jun-20 39.0d Stakeholder Agreements (MoUs) 7 01-Oct-20 MOU = Bronze ₹ 29-Jul-20 S1PC07011070 BRONZE: Draft Submission of all the Stakeholder Agreements (MoUs) with various entities 20 0d 0% 17-Jun-20 15-Jul-20 17-Jun-20 15-Jul-20 02-Sep-20 30-Sep-20 54.00 S1PC07011080 BRONZE: First Review by HRH and issue comment sheet on MoUs 10.0d 0% 16-Jul-20 29-Jul-20 16-Jul-20 29-Jul-20 01-Oct-20 15-Oct-20 54.00 MOU = Silver 11-Sep-20 S1PC07011090 SILVER: Incorporate comments and update the MoUs 10.0d 0% 30-Jul-20 12-Aug-20 30-Jul-20 12-Aug-20 16-Oct-20 29-Oct-20 54.0 S1PC07011100 SILVER: Submission of the MoUs Plan to respective Authorities and HART 1 0d 0% 13-Aug-20 13-Aug-20 13-Aug-20 13-Aug-20 30-Oct-20 30-Oct-20 54 Oc S1PC07011130 SILVER: Review by Authorities and HART, issue final comment sheet 01-Dec-20 54.0d 0% 14-Aug-20 11-Sep-20 14-Aug-20 11-Sep-20 02-Nov-20 ▼ 01-Oct-20 GOLD: Incorporate comments and finalise/complete all the MoUs (part of GOLD Submission) S1PC07011110 0% 14-Sep-20 29-Sep-20 14-Sep-20 29-Sep-20 02-Dec-20 17-Dec-20 54.0d S1PC07011120 GOLD: Submission of the Stakeholder Agreement (MoUs) for Fornal Approval 2.0d 01-Oct-20 54.00 0% 30-Sep-20 01-Oct-20 30-Sep-20 18-Dec-20 19-Dec-20 0.0d Stakeholder Protocol, Third Party Interface and Coordination 234.0d 06-Apr-20 A 26-Feb-21 01-May-20 26-Feb-21 01-May-20 26-Feb-21 S1PC07021000 Stakeholder and Third party approval Process- Create, implement and maintain to ensure proper compliance 10.0d 0% 05-May-20 18-May-20 05-May-20 18-May-20 30-Jun-20 14-Jul-20 39.0d S1PC07021010 39.0d Identify various 3rd Party Approval requirement and Map with Stakeholder Interfaces 20.0d 0% 19-May-20 16-Jun-20 19-May-20 16-Jun-20 15-Jul-20 11-Aug-20 ■ S1PC07021020 26.0d Conduct introductory workshops and meetings with various third parties (major) and establish working relationship 0% 17-Jun-20 23-Jul-20 17-Jun-20 23-Jul-20 12-Aug-20 17-Sep-20 39.0d S1PC07021030 0% 24-Jul-20 39.0d Develop Third Party Interface (TPI) Procedure 20-Aug-20 24-Jul-20 20-Aug-20 18-Sep-20 16-Oct-20 S1PC07021040 Review the TPI procedure and Jointly agree the coordination and liaisoning arrangements with HART,CITY,FTA 10.0d 0% 21-Aug-20 03-Sep-20 59 0d 03-Sep-20 21-Aug-20 17-Nov-20 01-Dec-20 Date Revision Checked Approved Remaining Work Milestone Page 23 of 30 HITACHI 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Samrat Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT Activity ID Activity % Start Remaining Original emaining Remaining Remaining Q Duration Complete Early Start Early Finish Late Start Late Finish Float A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | S1PC07021050 Develop Interface (TPI) Register 10.0d 0% 04-Sep-20 18-Sep-20 04-Sep-20 18-Sep-20 02-Dec-20 15-Dec-20 59.0d S1PC07021060 Agreed content of the TPI Register with the HART 10.0d 02-Oct-20 12-Feb-21 26-Feb-21 100.0d 0% 21-Sep-20 21-Sep-20 02-Oct-20 S1PC07021070 Carrying out Priority 1 Stakeholder's Coordination (Security Police, Emergency Medical Services, Traffic Dept.) 180.0d 12% 06-Apr-20 A 26-Feb-21 01-May-20 26-Feb-21 01-May-20 26-Feb-21 0.0d S1PC07021080 Carrying out Priority 2 Stakeholder's Coordination (Municipality, Airport Authority and all Other Utilities) 180.0d 12% 06-Apr-20 A 26-Feb-21 01-May-20 26-Feb-21 01-May-20 26-Feb-21 0.0d S1PC07021090 Carrying out Priority 3 Stakeholder's Coordination (Advertising, Marketing & Leasing, Retail & Commercial fit-out,) 180.0d 12% 06-Apr-20 A 26-Feb-21 01-May-20 26-Feb-21 01-May-20 26-Feb-21 0.0d 140.0d 19-Nov-20 24-Jun-20 12-Jan-21 37.0d Security and Incident Reporting 01-May-20 19-Nov-20 01-May-20 19-Nov-20 Draft the Joint Interface Agreement for managing Networkwide Security 40.0d 0% 01-May-20 01-May-20 37.0d S1PC07031000 26-Jun-20 26-Jun-20 24-Jun-20 19-Aug-20 S1PC07031010 20.0d 27-Jul-20 27-Jul-20 37.0d Discuss and agree with the liaisoning arrangement between HRH, HART, CITY (State Oversight) and FTA 0% 29-Jun-20 29-Jun-20 20-Aug-20 17-Sep-20 S1PC07031020 Develop Security Risk Register and set-up process for periodic update and upkeeping 20.0d 0% 28-Jul-20 24-Aug-20 28-Jul-20 24-Aug-20 18-Sep-20 16-Oct-20 37.00 S1PC07031030 40.0d 0% 25-Aug-20 21-Oct-20 21-Oct-20 19-Oct-20 15-Dec-20 37.00 Develop and maintain management system/ process for-recording Security Incidents, Outcomes and Results 25-Aug-20 S1PC07031040 Review and Approval by the Employer / Stakeholders - Security Incidents Reporting (SIR) Management System 20.0d 0% 22-Oct-20 19-Nov-20 22-Oct-20 19-Nov-20 16-Dec-20 12-Jan-21 37.00 S1PC07031050 Develop and Agree TOR for Emergency Services Interface Group (ESIG) 20.0d 0% 22-Oct-20 19-Nov-20 22-Oct-20 19-Nov-20 16-Dec-20 12-Jan-21 37.00 and Emergency Planning Business Continuity 80 0d 05-May-20 26-Aug-20 05-May-20 26-Aug-20 26-Aug-20 19-Dec-20 79 Oc 26-Aug-20 S1PC07041050 Establish 'Incident Command Model (ICM)' (Gold/Silver/Bronze) - command and control structure for crisis and emergency 30.0d 0% 05-May-20 07-Oct-20 79.0d 16-Jun-20 05-May-20 26-Aug-20 16-Jun-20 S1PC07041060 10 0d 79 Oc Review and Approval of ICM by the Employer/ Statutory Authority (City) 0% 17-Jun-20 30-Jun-20 17-Jun-20 30-Jun-20 08-Oct-20 22-Oct-20 S1PC07041070 Establishing Process for effective 'Lines of Communication' with partners, stakeholders and suppliers 20.0d 0% 01-Jul-20 29-Jul-20 01-Jul-20 29-Jul-20 23-Oct-20 20-Nov-20 79.0d S1PC07041080 79.00 Creating and maintaining a Risk Assessment Process to manage disruptive incidents 20.0d 0% 30-Jul-20 26-Aug-20 30-Jul-20 26-Aug-20 23-Nov-20 19-Dec-20 S1PC07041090 Design an Annual Exercising Plan (BC & EP) 20.0d 0% 09-Jul-20 06-Aug-20 09-Jul-20 06-Aug-20 23-Nov-20 19-Dec-20 93.30 Public Relation for Service Inauguration 91 0d 21-Aug-20 30-Dec-20 21-Aug-20 30-Dec-20 19-Oct-20 26-Feb-21 39.00 30-Dec-20 S1PC07051000 Initiate and establish the 'Inauguration Committee Working Group (ICWG)' 10.0d 0% 21-Aug-20 03-Sep-20 21-Aug-20 03-Sep-20 19-Oct-20 30-Oct-20 39.00  $\blacksquare$ S1PC07051010 Establish Terms of Reference (TOR) for the ICWG 10.0d 0% 04-Sep-20 18-Sep-20 04-Sep-20 18-Sep-20 02-Nov-20 16-Nov-20 39.00 S1PC07051020 Identify and carrying out initial preparation for Inauguration 0% 21-Sep-20 19-Oct-20 21-Sep-20 19-Oct-20 17-Nov-20 15-Dec-20 39.00 Provide Support and Coordination for INAUGURATION EVENT Arrangements (responsibility lies with HART & CITY) S1PC07051030 30.0d 0% 21-Sep-20 02-Nov-20 21-Sep-20 02-Nov-20 17-Nov-20 28-Dec-20 39.00 S1PC07051040 Provide Support and Coordination for INAUGURATION EVENT Rehearsal (Managed by HART & CITY) 30.0d 0% 03-Nov-20 16-Dec-20 03-Nov-20 16-Dec-20 29-Dec-20 10-Feb-21 39.00 S1PC07051050 40.0d Review the Station Signage requirements and support HART to implement 'necessary changes' to meet the requirements 0% 20-Oct-20 16-Dec-20 16-Dec-20 16-Dec-20 10-Feb-21 39.00 20-Oct-20 S1PC07051060 Review Final Implementation & Inauguration readiness checking during Trial Ops. Period prior to Segment 1 "Go Live" 11.0d 0% 17-Dec-20 30-Dec-20 30-Dec-20 11-Feb-21 39.0d 17-Dec-20 26-Feb-21 02-Dec-19 A 30-Oct-20 26-Aug-20 81 0d 422 Od ▼ 30-Odt-20 ▼ 27-Fep-20 A Strategy 60.0d 02-Dec-19 A 27-Feb-20 A S1PC08011000 Discuss with HART and develop Strategy for "Tendering" of SUB-LET Works (Out Sourced Subcontracts) 60 0d 100% 02-Dec-19 A 27-Feb-20 A Health and Safety (PPE) 70.0d 03-Feb-20 A 26-Jun-20 01-May-20 26-Jun-20 30-Dec-20 26-Feb-21 26'-Juni 20 S1PC08021000 H&S - Development of PTS (PPE) 70.0d 70% 03-Feb-20 A 21-May-20 01-May-20 21-May-20 30-Dec-20 21-Jan-21 168.0c S1PC08021010 H&S - Issue RFQ and complete Tendering / Sourcing Supplies 0% 22-May-20 19-Jun-20 22-May-20 19-Jun-20 22-Jan-21 19-Feb-21 168.00 S1PC08021020 168.00 H&S - Subcontractor/Supplier Finalisation/Award of Contracts 5 0d 0% 22-Jun-20 26-Jun-20 22-Jun-20 26-Jun-20 22-Feb-21 26-Feb-21 70.0d 03-Feb-20 A 30-Jun-20 01-May-20 30-Jun-20 23-Oct-20 26-Feb-21 166.0 30-Jun-20 Security Contract S1PC08031000 Security Guard - Carry out Supplier Selection (Tendering) for Employee Uniform Uniform and Launch Manufacturing 70.0d 85.71% 03-Feb-20 A 14-May-20 01-May-20 14-May-20 23-Oct-20 05-Nov-20 121 Oc S1PC08031010 Security Guard - Issue RFQ and complete Tendering / Sourcing Supplier 20.0d 0% 15-May-20 12-Jun-20 15-May-20 12-Jun-20 12-Jan-21 09-Feb-21 166.00 S1PC08031020 Security Guard - Subcontractor/Supplier Finalisation/Award of Contracts 12 0d 0% 15-Jun-20 30-Jun-20 15-Jun-20 30-Jun-20 10-Feb-21 26-Feb-21 166 Oc Facility Management t (Station and MSF Cleaning) 127.0d 02-Mar-20 A 30-Oct-20 01-May-20 30-Oct-20 26-Aug-20 26-Feb-21 81.0d S1PC08041000 FM- Development of PTS (Cleaning Supplies, Contracts for Assets - Station, Train, MSF, Cleaning and Maint. Services) 100.0d 36% 02-Mar-20 A 31-Jul-20 01-May-20 31-Jul-20 26-Aug-20 27-Nov-20 81 Oc S1PC08041010 FM-Issue RFQ and complete Tendering / Sourcing Supplier 40.0d 0% 03-Aug-20 03-Aug-20 30-Nov-20 25-Jan-21 81.0d 28-Sep-20 28-Sep-20 S1PC08041020 FM- Subcontractor/Supplier Finalisation/Award of Contracts 23.0d 0% 29-Sep-20 30-Oct-20 29-Sep-20 30-Oct-20 26-Jan-21 26-Feb-21 81.00 107.0d 01-Jun-20 30-Oct-20 01-Jun-20 30-Oct-20 24-Sep-20 26-Feb-21 81.00 Operations S1PC08051000 Operational Items - Development of PTS (Employee Uniforms, CCTV, Fire monitoring, Elevator Monitoring, FDAS Phone Line) 44.0d 0% 01-Jun-20 31-Jul-20 01-Jun-20 31-Jul-20 24-Sep-20 27-Nov-20 81.00 S1PC08051010 Operational Items - Issue RFQ and complete Tendering / Sourcing Supplier 64.0d 0% 01-Jul-20 30-Sep-20 01-Jul-20 30-Sep-20 27-Oct-20 27-Jan-21 81.0 S1PC08051020 70 0d 0% 23-Jul-20 81 Oc Operational Items - Subcontractor/Supplier Finalisation/Award of Contracts 30-Oct-20 23-Jul-20 30-Oct-20 18-Nov-20 26-Feb-21 107.0d 01-Jun-20 30-Oct-20 01-Jun-20 30-Oct-20 24-Sep-20 26-Feb-21 81.00 Engineering S1PC08061000 Engineering Items - Development of PTS (Inventory Management, FOCN - iNMS Licence and Maintenance) 44.0d 0% 01-Jun-20 31-Jul-20 01-Jun-20 31-Jul-20 24-Sep-20 27-Nov-20 81 00 S1PC08061010 Engineering Items - Issue RFQ and complete Tendering / Sourcing Supplier 40.0d 0% 03-Aug-20 28-Sep-20 03-Aug-20 28-Sep-20 30-Nov-20 25-Jan-21 81.00 S1PC08061020 Engineering Items - Subcontractor/Supplier Finalisation/Award of Contracts 23.0d 0% 29-Sep-20 30-Oct-20 29-Sep-20 30-Oct-20 26-Jan-21 26-Feb-21 81.00

Remaining Work

Critical Remaining Work

Actual Work

Milestone

summary

Critical Milestones

Rolling Stock and MSF Equipments - Development of PTS (x 15 Line Items)

Rolling Stock & MSF Equipments

S1PC08071000

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HITACHI
Inspire the Next

28-Sep-20

10-Jul-20

01-May-20

01-May-20

28-Sep-20

10-Jul-20

29-Sep-20

29-Sep-20

26-Feb-21

09-Dec-20

104.00

104.0c

01-Apr-20 A

20% 01-Apr-20 A

104.0d

100.0d

Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Subm.ission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev. BL_HART (1 March 21) - with revision in Trial Run	Samrat	Michele
	04-Jun-20 11-Jun-20	04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission	04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Samrat 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Samrat

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT Activity ID Activity % Start Original Remaining Remaining Remaining Remaining Q Q Q Complete Early Start Early Finish Late Start Late Finish Float A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | S1PC08071010 Rolling Stock and MSF Equipments - Issue RFQ and complete Tendering / Sourcing Supplier 25.0d 0% 13-Jul-20 14-Aug-20 13-Jul-20 14-Aug-20 10-Dec-20 13-Jan-21 104.0d S1PC08071020 Rolling Stock and MSF Equipments - Subcontractor/Supplier Finalisation/Award of Contracts 30.0d 28-Sep-20 26-Feb-21 104.0d 0% 17-Aug-20 28-Sep-20 17-Aug-20 14-Jan-21 ATC & System 90.0d 01-Jun-20 06-Oct-20 01-Jun-20 06-Oct-20 20-Oct-20 26-Feb-21 98.00 06-Oct-20 S1PC08081000 ATC and Systems Equipments, Services - Development of PTS (x 06 Line Items) 08-Jul-20 98.0d 27.0d 0% 01-Jun-20 08-Jul-20 01-Jun-20 20-Oct-20 27-Nov-20 S1PC08081010 ATC and Systems Equipments, Services - Issue RFQ and complete Tendering / Sourcing Supplier 43.0d 0% 09-Jul-20 08-Sep-20 09-Jul-20 08-Sep-20 30-Nov-20 28-Jan-21 98.0d S1PC08081020 ATC and Systems Equipments, Services - Subcontractor/Supplier Finalisation/Award of Contracts 20.0d 98.0d 0% 09-Sep-20 06-Oct-20 09-Sep-20 06-Oct-20 26-Feb-21 29-Jan-21 Traction Power 100.0d 02-Mar-20 A 29-Jul-20 01-May-20 29-Jul-20 01-Dec-20 26-Feb-21 146.00 29-Jul-20 Traction Power and Equipments, Services - Development of PTS (x 05 Line Items) S1PC10091000 100.0d 80% 02-Mar-20 A 29-May-20 146.0d 01-May-20 29-May-20 01-Dec-20 24-Dec-20 S1PC10091010 Traction Power and Equipments, Services - Issue RFQ and complete Tendering / Sourcing Supplier 22.0d 0% 01-Jun-20 30-Jun-20 30-Jun-20 28-Dec-20 146.00 01-Jun-20 28-Jan-21 S1PC10091020 Traction Power and Equipments, Services - Subcontractor/Supplier Finalisation/Award of Contracts 20.0d 0% 01-Jul-20 29-Jul-20 01-Jul-20 29-Jul-20 26-Feb-21 146.00 29-Jan-21 13-Nov-20 06-May-20 26-Feb-21 72.0d ▼ 13-Nov-20 ▼ 29-Jan-20 A IT As sessment and Gap Analysis 40.0d 04-Sep-19 A 29-Jan-20 A S1PC09011000 Conduct Workshops to to identify IT reqmt. for O&M BU Corporate Solutions (Areas are-ERP, Office Automation and LMS) 40.0d 100% 04-Sep-19 A 30-Oct-19 A S1PC09011010 Conduct Workshops to to identify IT reqmt. for Operational Solutions (Areas are-Rostering, Fleet Mgmt., Timetabling) 20.0d 100% 31-Oct-19 A 29-Nov-19 A S1PC09011020 Conduct Workshops to to identify IT reqmt. for MAXIMO Solutions (Areas are-Asset Mgmt., Maintenance and HSQE) 100% 02-Dec-19 A 30-Dec-19 A S1PC09011030 Produce the 'Contractual and Operational IT Requirements' Report 10.0d 100% 31-Dec-19 A 14-Jan-20 A S1PC09011040 Perform a Gap Analysis against the practice standard (keeping in mind business prority and Go-Live timeline reqmt.) 10.0d 100% 15-Jan-20 A 29-Jan-20 A 28-Feb-20 A 20.0d 03-Feb-20 A 8-Feb-20 A IT Architecture and Implementation Roadmap S1PC09021000 Develop IT System Architecture (based on Gap Analysis undertaken and fact findings) 20.0d 100% 03-Feb-20 A 28-Feb-20 A S1PC09021010 Prepare the IT Implementation 'ROADMAP' for the project 20.0d 100% 03-Feb-20 A 28-Feb-20 A S1PC09021020 Produce the IT Budgetary Estimates to support the implementation roadmap 20.0d 100% 03-Feb-20 A 28-Feb-20 A 31-Oct-19 A 134.0d 16-Mar-20 A -Mar-20 A Maximo High level (HL) Functional Design S1PC09031000 Produce a HL Functional Design for Maximo 100% 31-Oct-19 A S1PC09031010 Participate and support HRH in designing the detailed business processes (Reqd.prior to start of Maximo Implementation) 22.0d 100% 13-Feb-20 A 16-Mar-20 A Asset Handover Structure amd Data Load Templates 10.0d 17-Mar-20 A 13-Apr-20 A 3-Apr-20 A Develop the Assest Handover Framework to support the asset data collection and AM Strategies read. for O&M S1PC09041000 10.0d 100% 17-Mar-20 A 30-Mar-20 A S1PC09041010 Prepare the 'Data Load Templates' to collect and enter asset information 10.0d 100% 31-Mar-20 A 13-Apr-20 A ICT System Implementation 136.0d 02-Dec-19 A 13-Nov-20 01-May-20 13-Nov-20 06-May-20 26-Feb-21 72.0d ▼ 13-Nov-20 7 01-Oct-20 **EDMS** (SharePoint) Sprint 1 (High Level Design 27-Dec-19 A Sprint 1 - Perform HL Functional Design and Solution Architecture development 100% 02-Dec-19 A 27-Dec-19 A HRH.ITS.0100 Apr-20 A HRH.ITS.0110 Sprint 2A - Cycle 1: Preparation and Process Configuration 20.0d 100% 30-Dec-19 A 24-Jan-20 A HRH.ITS.0120 Sprint 2A - Cycle 1: Build Clarified 20.0d 100% 27-Jan-20 A 21-Feb-20 A HRH.ITS.0130 Sprint 2A - Cycle 1: Development and Integration 15.0d 100% 24-Feb-20 A 13-Mar-20 A HRH.ITS.0140 Sprint 2A - Cycle 1: DEMO (Initial) 10.0d 100% 16-Mar-20 A 27-Mar-20 A HRH.ITS.0150 100% 30-Mar-20 A 01-Apr-20 A Sprint 2A - Cycle 1: Deploy to TEST Sprint 2B - Cycle 01-Jul-20 HRH.ITS.0160 Sprint 2B - Cycle 2: Preparation and Process Configuration 20.0d 100% 02-Apr-20 A 30-Apr-20 A HRH.ITS.0170 Sprint 2B - Cycle 2: Build Clarified 20.0d 0% 01-May-20 29-May-20 01-May-20 29-May-20 24-Sep-20 22-Oct-20 101.0c HRH.ITS.0180 Sprint 2B - Cycle 2: Development (Detail Design) and Integration 15.0d 0% 01-Jun-20 19-Jun-20 01-Jun-20 19-Jun-20 23-Oct-20 13-Nov-20 101.0 HRH.ITS.0190 Sprint 2B - Cycle 2: DEMO (Updated/Final) 5 0d 101.00 0% 22-Jun-20 26-Jun-20 22-Jun-20 26-Jun-20 16-Nov-20 20-Nov-20 HRH.ITS.0200 3.0d 01-Jul-20 23-Nov-20 101.0d Sprint 2B - Cycle 2: Deploy to TEST 0% 29-Jun-20 29-Jun-20 01-Jul-20 25-Nov-20 22-Jul-20 Sprint 3 - UAT (L Collect Test dataset for UAT testing ■ HRH.ITS.0210 4.0d 0% 02-Jul-20 08-Jul-20 02-Jul-20 08-Jul-20 27-Nov-20 02-Dec-20 101.0d HRH.ITS.0220 Finalize Quick Reference Cards (QRC) 13-Jul-20 03-Dec-20 101.0c 3.0d 0% 09-Jul-20 09-Jul-20 13-Jul-20 07-Dec-20 HRH.ITS.0230 3.0d **Build Contractual Reports** 0% 14-Jul-20 16-Jul-20 14-Jul-20 16-Jul-20 08-Dec-20 10-Dec-20 101.0 HRH.ITS.0240 Conduct User Acceptance Test (UAT) 4.0d 101.00 0% 17-Jul-20 22-Jul-20 17-Jul-20 22-Jul-20 11-Dec-20 16-Dec-20 24-Aug-20 HRH.ITS.0250 EDMS - Data Loading  $\Box$ 10.0d 0% 23-Jul-20 05-Aug-20 23-Jul-20 05-Aug-20 17-Dec-20 29-Dec-20 101.0d HRH.ITS.0260 EDMS - Configuration of SharePoint Hosting Environment 101.0d 0% 06-Aug-20 07-Aug-20 06-Aug-20 07-Aug-20 30-Dec-20 31-Dec-20 HRH.ITS.0270 EDMS Training - Train and develop internal resources (Train the Trainer) 0% 10-Aug-20 8.0d 10-Aug-20 19-Aug-20 04-Jan-21 101.0d 19-Aug-20 13-Jan-21 Date Revision Checked Approved Remaining Work Milestone Page 25 of 30 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele HITACHI Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Samrat Michele Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT Activity ID Activity % Start Original Remaining Remaining Remaining Remaining Q Q Q Q Early Start Early Finish Late Start Late Finish Float A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | HRH.ITS.0280 EDMS - Bug Fixing and Issue solving 10.0d 0% 06-Aug-20 19-Aug-20 06-Aug-20 19-Aug-20 30-Dec-20 13-Jan-21 101.0d ■ HRH.ITS.0290 EDMS - Final Sprint approval 2.0d 15-Jan-21 101.00 0% 20-Aug-20 21-Aug-20 20-Aug-20 21-Aug-20 14-Jan-21 HRH.ITS.0300 EDMS - Ready to Go-Live (Deploy to Production) and handover to HRH Application Support team for use 1.0d 0% 24-Aug-20 24-Aug-20 24-Aug-20 24-Aug-20 19-Jan-21 19-Jan-21 101.00 01-Oct-20 ■ HRH.ITS.0310 Identify Optimizations Requirements for EDMS 15.0d 0% 25-Aug-20 15-Sep-20 25-Aug-20 15-Sep-20 20-Jan-21 09-Feb-21 101.0d HRH.ITS.0320 101.0d EDMS Optional Sprint (Post Go-Live): Design detailing (with Optimization) and Implementation 10.0d 0% 16-Sep-20 29-Sep-20 16-Sep-20 29-Sep-20 10-Feb-21 24-Feb-21 HRH.ITS.0330 EDMS - Sprint approval with Optimization 2.0d 0% 30-Sep-20 01-Oct-20 30-Sep-20 01-Oct-20 25-Feb-21 26-Feb-21 101.00 01-Oct-20 **HSQE** (including Comepetence Management) 01-Oct-20 24-Sep-20 27-Dec-19 A HRH.ITS.0500 Sprint 1 - Perform HL Functional Design and Solution Architecture development 20.0d 100% 02-Dec-19 A 27-Dec-19 A Apr-20 A HRH.ITS.0510 Sprint 2A - Cycle 1: Preparation and Process Configuration 100% 30-Dec-19 A 24-Jan-20 A 20.0d HRH.ITS.0520 Sprint 2A - Cycle 1: Build Clarified 20.0d 100% 27-Jan-20 A 21-Feb-20 A HRH.ITS.0530 Sprint 2A - Cycle 1: Development and Integration 15.0d 100% 24-Feb-20 A 13-Mar-20 A HRH.ITS.0540 Sprint 2A - Cycle 1: DEMO (Initial) 100% 16-Mar-20 A 27-Mar-20 A HRH.ITS.0550 Sprint 2A - Cycle 1: Deploy to TEST 3.0d 100% 30-Mar-20 A 01-Apr-20 A 01-Jul-20 HRH.ITS.0560 Sprint 2B - Cycle 2: Preparation and Process Configuration 20.0d 100% 02-Apr-20 A 30-Apr-20 A HRH.ITS.0570 Sprint 2B - Cycle 2: Build Clarified 20.0d 0% 01-May-20 29-May-20 01-May-20 29-May-20 24-Sep-20 22-Oct-20 101.00 HRH.ITS.0580 Sprint 2B - Cycle 2: Development (Detail Design) and Integration 15.0d 101.0c 0% 01-Jun-20 19-Jun-20 01-Jun-20 19-Jun-20 23-Oct-20 13-Nov-20 HRH.ITS.0590 Sprint 2B - Cycle 2: DEMO (Updated/Final) 5.0d 0% 22-Jun-20 26-Jun-20 22-Jun-20 26-Jun-20 16-Nov-20 20-Nov-20 101.0c HRH.ITS.0600 3.0d 101.00 Sprint 2B - Cycle 2: Deploy to TEST 0% 29-Jun-20 01-Jul-20 29-Jun-20 01-Jul-20 23-Nov-20 25-Nov-20 22-Jul-20 HRH.ITS.0610 Collect Test dataset for UAT testing 4.0d 0% 02-Jul-20 08-Jul-20 02-Jul-20 08-Jul-20 27-Nov-20 02-Dec-20 101.0d HRH.ITS.0620 Finalize Quick Reference Cards (QRC) 3.0d 0% 09-Jul-20 13-Jul-20 09-Jul-20 13-Jul-20 03-Dec-20 07-Dec-20 101.0 HRH.ITS.0630 **Build Contractual Reports** 3.0d 0% 14-Jul-20 16-Jul-20 14-Jul-20 16-Jul-20 08-Dec-20 10-Dec-20 101.0d HRH.ITS.0640 Conduct User Acceptance Test (UAT) 4.0d 0% 17-Jul-20 22-Jul-20 17-Jul-20 22-Jul-20 11-Dec-20 16-Dec-20 101.00 on and Go-Live Sprint 4 - Data N 24-Aug-20 ■ HRH.ITS.0650 05-Aug-20 HSQE - Data Loading 10.0d 0% 23-Jul-20 05-Aug-20 23-Jul-20 17-Dec-20 29-Dec-20 101.0d HRH.ITS.0660 07-Aug-20 HSQE - Configuration of SharePoint Hosting Environment 2.0d 06-Aug-20 0% 06-Aug-20 07-Aug-20 30-Dec-20 31-Dec-20 101.00 HRH.ITS.0670 HSQE Training - Train and develop internal resources (Train the Trainer) 8.0d 0% 10-Aug-20 19-Aug-20 10-Aug-20 19-Aug-20 04-Jan-21 13-Jan-21 101.00 HRH.ITS.0680 HSQE - Bug Fixing and Issue solving 10.0d 19-Aug-20 06-Aug-20 13-Jan-21 101.0d 0% 06-Aug-20 19-Aug-20 30-Dec-20 HRH.ITS.0690 HSQE - Final Sprint approval 2.0d 0% 20-Aug-20 21-Aug-20 20-Aug-20 21-Aug-20 14-Jan-21 15-Jan-21 101.0c HRH.ITS.0700 HSQE - Ready to Go-Live (Deploy to Production) and handover to HRH Application Support team for use 1.0d 0% 24-Aug-20 24-Aug-20 24-Aug-20 24-Aug-20 19-Jan-21 19-Jan-21 101.0d 01-Oct-20 HRH.ITS.0710 Identify Optimizations Requirements for HSQE 0% 25-Aug-20 15-Sep-20 15-Sep-20 09-Feb-21 15.0d 25-Aug-20 20-Jan-21 101.0d HRH.ITS.0720 HSQE Optional Sprint (Post Go-Live): Design detailing (with Optimization) and Implementation 10.0d 0% 16-Sep-20 29-Sep-20 16-Sep-20 29-Sep-20 10-Feb-21 24-Feb-21 101.0c HRH.ITS.0730 HSQE - Sprint approval with Optimization 2.0d 0% 30-Sep-20 01-Oct-20 30-Sep-20 01-Oct-20 25-Feb-21 26-Feb-21 101.0d **CMMS (MMIS Delivery and Implementation)** 135.00 04-May ■ 13-Nov-20 General Work. Supervision and Interface Management ▼ 12-Nov-20 Proposal Evaluation and Award 38 0d 04-May-20 25-Jun-20 04-May-20 25-Jun-20 06-May-20 29-Jun-20 2.00 ▼ 25-Jun-20 HRH.ITS.2000 2.0d Review of proposal by HRSTS and discussion/amendments in submitted proposal 30.0d 0% 04-May-20 15-Jun-20 04-May-20 15-Jun-20 06-May-20 17-Jun-20 ■ HRH.ITS.2010 BAFO and Finalization of Contract Agreement (Scope and Price) 8.0d 0% 16-Jun-20 25-Jun-20 16-Jun-20 25-Jun-20 18-Jun-20 29-Jun-20 2.0d Team Deployment 100.0d 22-Jun-20 12-Nov-20 22-Jun-20 12-Nov-20 25-Jun-20 26-Feb-21 73.0d 12-Nov-20 ■ HRH.ITS.2020 Assign Technical Manager / Project Manager (to interface with Telecom and Security WPL) 3.0d 4.0d 0% 22-Jun-20 25-Jun-20 22-Jun-20 25-Jun-20 25-Jun-20 30-Jun-20 HRH.ITS.2030 4.0d 3.0d Deployment of Design and Implementation Team 0% 22-Jun-20 25-Jun-20 22-Jun-20 25-Jun-20 25-Jun-20 30-Jun-20 ■ HRH.ITS.2040 Perform Project Management, Reporting, Interface and Integration Management with Telecom and Security WPL 95.0d 0% 29-Jun-20 12-Nov-20 29-Jun-20 12-Nov-20 13-Oct-20 26-Feb-21 73.0d Delivery of Infrastructure Compenents (Hardware, Software and Licenses) ▼ 31-Aug-20 05-Aug-20 Option 2 (Cloud Solution) : Supply and Delivery 40.0d 07-Jul-20 31-Aug-20 07-Jul-20 31-Aug-20 19-Feb-21 118.0d ▼ 31-Aug-20 HRH.ITS.3005 Supply and delivery of End User Items (e.g. Desktops, Laptops, Tablets, Printers etc.) to be provided by HRSTS 40.0d 0% 07-Jul-20 31-Aug-20 07-Jul-20 31-Aug-20 05-Aug-20 30-Sep-20 21.0d HRH.ITS.3010 Procure and arrange IBM-Maximo Licenses for MMIS by HRSTS 10.0d 0% 07-Jul-20 143.0d 20-Jul-20 07-Jul-20 20-Jul-20 29-Jan-21 11-Feb-21 ■ HRH.ITS.3020 Procure and arrange Cloud Hosting License (Amazon Web Services) by HRSTS 15.0d 0% 07-Jul-20 27-Jul-20 07-Jul-20 27-Jul-20 29-Jan-21 19-Feb-21 143.0d Date Revision Checked Approved Remaining Work Milestone Page 26 of 30 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele HITACHI Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Samrat Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

## APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT

	Activity Name		Activity % Start Complete	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Float M	Q A M J	Q   Q       Q	Q Q	J Jul A S	Q Q ONDJFM
MMIS Delivery - Desi	gn, Supervisor, Installatio and T&C	90.0d	29-Jun-20	04-Nov-20	29-Jun-20	04-Nov-20	01-Jul-20	26-Feb-21	78.0d				0 00 11 0	04-Nov-20
Sprint 1: Solution A	rchitecture	10.0d	29-Jun-20	13-Jul-20	29-Jun-20	13-Jul-20	01-Jul-20	15-Jul-20	2.0d				13-Jul-20	)
HRH.ITS.4000	Sprint 1 : Process Configuration	5.0d	0% 29-Jun-20	06-Jul-20	29-Jun-20	06-Jul-20	01-Jul-20	08-Jul-20	2.0d					
HRH.ITS.4010	Sprint 1 : Integration	5.0d	0% 29-Jun-20	06-Jul-20	29-Jun-20	06-Jul-20	02-Jul-20	09-Jul-20	3.0d					
HRH.ITS.4020	Sprint 1 : Data Loading Test / Acceptance	4.0d	0% 29-Jun-20	02-Jul-20	29-Jun-20	02-Jul-20	02-Jul-20	08-Jul-20	3.0d				0	
HRH.ITS.4030	Sprint 1 : Demo (Initial)	1.0d	0% 30-Jun-20	30-Jun-20	30-Jun-20	30-Jun-20	02-Jul-20	02-Jul-20	2.0d					
HRH.ITS.4040	Sprint 1 : Demo (Updated/Final)	3.0d	0% 06-Jul-20	08-Jul-20	06-Jul-20	08-Jul-20	09-Jul-20	13-Jul-20	3.0d				0	
HRH.ITS.4050	Sprint 1 : Design detailing	7.0d	0% 30-Jun-20	09-Jul-20	30-Jun-20	09-Jul-20	02-Jul-20	13-Jul-20	2.0d					
HRH.ITS.4060	Sprint 1 : Final Sprint approval	2.0d	0% 10-Jul-20	13-Jul-20	10-Jul-20	13-Jul-20	14-Jul-20	15-Jul-20	2.0d				0 !	
Sprint 2A: Detail des	sign & Implementation (Work Domain, Procurment, Asset and Service Domain)	20.0d	14-Jul-20	10-Aug-20	14-Jul-20	10-Aug-20	16-Jul-20	26-Feb-21	138.0d				10-A	ua-20
HRH.ITS.4100	Sprint 2A: Process Configuration	15.0d	0% 14-Jul-20	03-Aug-20	14-Jul-20	03-Aug-20	16-Jul-20	05-Aug-20	2.0d					
■ HRH.ITS.4110	Sprint 2A: Integration	15.0d	0% 14-Jul-20	03-Aug-20	14-Jul-20	03-Aug-20	29-Jan-21	19-Feb-21	138.0d					
─ HRH.ITS.4120	Sprint 2A: Data Loading Test / Acceptance	15.0d	0% 14-Jul-20	03-Aug-20	14-Jul-20	03-Aug-20	29-Jan-21	19-Feb-21	138.0d					
HRH.ITS.4130	Sprint 2A: Demo (Initial)	1.0d	0% 28-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20	12-Feb-21	12-Feb-21	138.0d					
HRH.ITS.4140	Sprint 2A: Demo (Updated/Final)	3.0d	0% 04-Aug-20	06-Aug-20	04-Aug-20	06-Aug-20	22-Feb-21	24-Feb-21	138.0d	1 1				
HRH.ITS.4150	Sprint 2A: Design detailing	7.0d	0% 29-Jul-20	06-Aug-20	29-Jul-20	06-Aug-20	16-Feb-21	24-Feb-21	138.0d					
HRH.ITS.4160	Sprint 2A: Final Sprint approval	2.0d	0% 07-Aug-20	10-Aug-20	07-Aug-20	10-Aug-20	25-Feb-21	26-Feb-21	138.0d					
_		20.0d	28-Jul-20	24-Aug-20	-	24-Aug-20	30-Jul-20		2.0d				24	Aug 20
HRH.ITS.4200	sign & Implementation (Contract Domain, Material Domain, HSEQ Domain & EDMS)  Sprint 2B : Process Configuration	15.0d	0% 28-Jul-20	17-Aug-20	28-Jul-20 28-Jul-20	17-Aug-20	30-Jul-20	26-Aug-20 19-Aug-20	2.0d				24	74ug-20
HRH.ITS.4210	Sprint 2B: Integration	15.0d	0% 28-Jul-20	17-Aug-20	28-Jul-20	17-Aug-20	30-Jul-20	19-Aug-20	2.0d					
	<u> </u>	15.0d		-		-		19-Aug-20	2.0d					
HRH.ITS.4220	Sprint 2B : Data Loading Test / Acceptance		0% 28-Jul-20	17-Aug-20	28-Jul-20	17-Aug-20	30-Jul-20							
HRH.ITS.4230	Sprint 2B: Demo (Initial)	1.0d	0% 04-Aug-20	04-Aug-20	04-Aug-20	04-Aug-20	13-Aug-20	13-Aug-20	7.0d	: :			1	
HRH.ITS.4240	Sprint 2B: Demo (Updated/Final)	3.0d	0% 18-Aug-20	20-Aug-20	18-Aug-20	20-Aug-20	20-Aug-20	24-Aug-20	2.0d					
HRH.ITS.4250	Sprint 2B: Design detailing	7.0d	0% 12-Aug-20	20-Aug-20	12-Aug-20	20-Aug-20	14-Aug-20	24-Aug-20	2.0d					
HRH.ITS.4260	Sprint 2B : Final Sprint approval	2.0d	0% 21-Aug-20	24-Aug-20	21-Aug-20	24-Aug-20	25-Aug-20	26-Aug-20	2.0d				10	
Sprint 3: User Acce		14.0d	25-Aug-20	14-Sep-20	25-Aug-20	14-Sep-20	27-Aug-20	16-Sep-20	2.0d				<b>***</b>	14-\$ep-20
HRH.ITS.4300	Collect Test dataset for UAT testing	4.0d	0% 25-Aug-20	28-Aug-20	25-Aug-20	28-Aug-20	27-Aug-20	01-Sep-20	2.0d					
HRH.ITS.4310	Finalize Quick Reference Cards (QRC)	3.0d	0% 31-Aug-20	02-Sep-20	31-Aug-20	02-Sep-20	02-Sep-20	04-Sep-20	2.0d				. 0	
HRH.ITS.4320	Build Contractual Reports	3.0d	0% 03-Sep-20	08-Sep-20	03-Sep-20	08-Sep-20	08-Sep-20	10-Sep-20	2.0d				0	
HRH.ITS.4330	Conduct User Acceptance Test (UAT)	4.0d	0% 09-Sep-20	14-Sep-20	09-Sep-20	14-Sep-20	11-Sep-20	16-Sep-20	2.0d				0	
🛓 Sprint 4: Data Migra		22.0d	15-Sep-20	15-Oct-20	15-Sep-20	15-Oct-20	17-Sep-20	19-Oct-20	2.0d					▼ 15-Oct-20
HRH.ITS.4400	MMIS - Data Loading (Sprint 4)	10.0d	0% 15-Sep-20	28-Sep-20	15-Sep-20	28-Sep-20	17-Sep-20	30-Sep-20	2.0d					
HRH.ITS.4410	MMIS - Configuration of MAXIMO Hosting Environment	2.0d	0% 29-Sep-20	30-Sep-20	29-Sep-20	30-Sep-20	01-Oct-20	02-Oct-20	2.0d					
HRH.ITS.4420	Train and develop internal resources (Train the Trainer)	8.0d	0% 01-Oct-20	13-Oct-20	01-Oct-20	13-Oct-20	05-Oct-20	15-Oct-20	2.0d					
HRH.ITS.4430	Bug Fixing and Issue solving	15.0d	0% 22-Sep-20	13-Oct-20	22-Sep-20	13-Oct-20	24-Sep-20	15-Oct-20	2.0d					
HRH.ITS.4450	MMIS - Final Sprint approval	1.0d	0% 14-Oct-20	14-Oct-20	14-Oct-20	14-Oct-20	16-Oct-20	16-Oct-20	2.0d					
HRH.ITS.4460	MMIS - Ready to Go-Live and handover to HRH Application Support team for use	1.0d	0% 15-Oct-20	15-Oct-20	15-Oct-20	15-Oct-20	19-Oct-20	19-Oct-20	2.0d					
Sprint 5: Post Go-Li	ve Optimization	14.0d	16-Oct-20	04-Nov-20	16-Oct-20	04-Nov-20	20-Oct-20	06-Nov-20	2.0d					04-Nov-20
HRH.ITS.4500	Identify Optimizations (under MMIS Support and Maintenance Option)	8.0d	0% 16-Oct-20	27-Oct-20	16-Oct-20	27-Oct-20	20-Oct-20	29-Oct-20	2.0d					
HRH.ITS.4506	Sprint 5 (Post Go-Live): Design detailing (with Optimization)	5.0d	0% 28-Oct-20	03-Nov-20	28-Oct-20	03-Nov-20	30-Oct-20	05-Nov-20	2.0d					o l
─ HRH.ITS.4510	MMIS - Sprint 5 approval with Optimization	1.0d	0% 04-Nov-20	04-Nov-20	04-Nov-20	04-Nov-20	06-Nov-20	06-Nov-20	2.0d					
Final Acceptence of		20.0d	16-Oct-20	13-Nov-20	16-Oct-20	13-Nov-20	20-Oct-20	17-Nov-20	2.0d					13-Nov-20
	oftware Documentation)	14.0d	16-Oct-20	04-Nov-20	16-Oct-20	04-Nov-20	20-Oct-20	06-Nov-20	2.0d	1 1				04-Nov-20
HRH.ITS.4600	Prepare MMIS Handover documentations (includ product docs, User and Maintenance Manual etc)	14.0d	0% 16-Oct-20	04-Nov-20	16-Oct-20	04-Nov-20	20-Oct-20	06-Nov-20	2.0d					
Acceptance Certific		6.0d	05-Nov-20	13-Nov-20	05-Nov-20	13-Nov-20	09-Nov-20	17-Nov-20	2.0d					₩ 13-Nov-20
HRH.ITS.4610	Issue Notice of Completion for final product inspection and verification	1.0d	0% 05-Nov-20	05-Nov-20	05-Nov-20	05-Nov-20	09-Nov-20	09-Nov-20	2.0d					
HRH.ITS.4620	Final Inspection and review of Product Dossier	3.0d	0% 06-Nov-20	10-Nov-20	06-Nov-20	10-Nov-20	10-Nov-20	13-Nov-20	2.0d					0
HRH.ITS.4630	Issue Completion Certificate to the Subcontractor	2.0d	0% 12-Nov-20	13-Nov-20	12-Nov-20	13-Nov-20	16-Nov-20	17-Nov-20	2.0d					1
Ops. Readiness and Tri	al Run	375.0d	30-Aug-19 A	26-Feb-21	01-May-20	26-Feb-21	13-May-20	26-Feb-21	0.0d		<b>+</b>			2
Trial Run Validation (Tr	ial Operations) Plan	177.0d	30-Aug-19 A		01-May-20	14-May-20	13-May-20	27-May-20	8.0d		V		14-May-20	
PL= Bronze S1PC10011000	BRONZE: Draft Submission of the Trial Run Validation (Trial Operations) Plan (with List of Test Cases)	52.0d 42.0d	30-Aug-19 A 100% 30-Aug-19 A								14-	Nov-19 A	: :	
Remaining Wor	rk ♦ Milestone	D- ··· ·			1			Date		<del>                                     </del>	Revision		Check	ked Approv
J		Page 2	27 of 30		IITAC	ILI	04-		NL - Revise	d Baseline	e (1 March 21) - HAR	Subm.ission	Samrat	Michele
Critical Remainir	ng Work summary	1			шин	JI 11					· /		_	
Actual Work	♦ Critical Milestones		I		pire the	NI 4	l 11-	Jun-20 Hľ	NL - Revise	d Baseline	e (1 March 21) - HAR	TFinal Submission	n  Samrat	Michele

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART) APPENDIX 1: Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT Activity ID Activity % Start Remaining Original Remaining Remaining Remaining Q Q Q Q Q Q Late Start Late Finish Float | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | J | Jul | A | S | O | N | D | J | F | M | A | M | S1PC10011010 BRONZE: First Review by HRH and issue comment sheet on draft plan 10.0d 100% 31-Oct-19 A 14-Nov-19 A PL= Silver 16-Jan-20 S1PC10011020 SILVER: Incorporate comments and update the draft plan 100% 15-Nov-19 A S1PC10011030 SILVER: Submission of the Trail Run Validation Plan to HART 2.0d 100% 16-Dec-19 A 17-Dec-19 A S1PC10011060 SILVER: Review by HART, issue final comment sheet 100% 18-Dec-19 A 16-Jan-20 A PL= Gold 14-May-20 S1PC10011040 GOLD: Holds discussion, incorporate comments and finalise/complete the Plan (part of GOLD Submission) 12-May-20 13-May-20 80% 17-Jan-20 A 12-May-20 01-May-20 22-May-20 S1PC10011050 8.0d GOLD: Final Doc check and submit the Trial Run Validation (Trial Operations) Plan for Formal Approval 14-May-20 26-May-20 27-May-20 2.0d 0% 13-May-20 14-May-20 13-May-20 Test Cases, Test Sc 60.0d 03-Feb-20 A 30-Apr-20 A 30-Apr-20:A Discuss and agree with authority for Test Cases and Trial Run Programme Requirement S1PC10021000 20.0d 100% 03-Feb-20 A 31-Mar-20 A S1PC10021010 30.0d 100% 01-Apr-20 A 23-Apr-20 A S1PC10021030 Develop detailed Trial Run Programme with execution schedule for test cases 60.0d 100% 24-Apr-20 A 30-Apr-20 A Staff Uniform 114.0d 01-May-20 13-Oct-20 01-May-20 13-Oct-20 06-Aug-20 19-Jan-21 67.0d ▼ 13-Oct-20 114.0c 01-Mav-13-Oct-2 ▼ 13-Oct-20 Design and App 02-Sep-20 S1PC10031000 Design Staff Uniform requirements and concept 20.0d 0% 01-May-20 29-May-20 01-May-20 29-May-20 06-Aug-20 S1PC10031010 67.00 Present different options and mock-ups of uniforms (Proto type) to the Employer 22.0d 0% 01-Jun-20 30-Jun-20 30-Jun-20 03-Sep-20 01-Jun-20 05-Oct-20 S1PC10031020 Samples launched and approved by the Employer 22.0d 0% 01-Jul-20 31-Jul-20 01-Jul-20 31-Jul-20 06-Oct-20 67.0d 05-Nov-20 S1PC10031030 Production launched by Selected Uniform Supplier 40.0d 0% 03-Aug-20 28-Sep-20 03-Aug-20 28-Sep-20 06-Nov-20 04-Jan-21 67.0d S1PC10031040 Pre-Fittings for Employees and Commence with regular delivery 40.0d 0% 17-Aug-20 13-Oct-20 17-Aug-20 13-Oct-20 23-Nov-20 19-Jan-21 67.0d Uniform Cleaning F 14-Sep-20 S1PC10031050 0% 03-Aug-20 Develop Procedures for Uniform Cleaning and update all the new joiners 30.0d 14-Sep-20 03-Aug-20 08-Dec-20 19-Jan-21 87.0 Ops. Readiness for System T&C (Network Wide) 53 0d 03-Feb-20 A 09-Jul-20 01-May-20 09-Jul-20 29-Jun-20 03-Sep-20 40 0d 09-, lül-20 S1PC10041000 Received Testing and commissioning schedule from HRH to proceed and review by O&M 20.0d 100% 03-Feb-20 A 28-Feb-20 A S1PC10041010 100% 02-Mar-20 A 13-Mar-20 A Obtain Commissioning tests descriptions and start with Reviews 10.0d S1PC10041020 100% 16-Mar-20 A 27-Mar-20 A Review of Testing and commissioning delivery sequence and agree with HRH S1PC10041030 12.0d Review the requirement of Test Report, feedback and jointly agree with HRH 100% 30-Mar-20 A 15-Apr-20 A 01-May-20 S1PC10041040 Agree occupancy of the station with relevant external authorities 53.0d 10% 16-Apr-20 A 09-Jul-20 09-Jul-20 29-Jun-20 03-Sep-20 40.0d T&C - Witnessing and Participation 120.0d 16-Mar-20 A 18-Sep-20 01-May-20 18-Sep-20 29-Jun-20 17-Nov-20 40.0d 18-Sep-20 Staff Allocation - Develop and Implement Shift pattern and roster for participation in System T&C 100% 16-Mar-20 A S1PC10051000 13.0d 31-Mar-20 A S1PC10051010 Witnessing & Participation in Testing and Commissioning by O&M Project Team - Segment 1 with 9 Stations 120.0d 40.0d 18.33% 01-Apr-20 A 18-Sep-20 01-May-20 18-Sep-20 29-Jun-20 17-Nov-20 Perform Test Cases during TR (part of System Demonstration of Ops Readiness i.e., SDOOR) 198.0d 15-May-20 26-Feb-21 15-May-20 26-Feb-21 28-May-20 26-Feb-21 0.0d **26-Feb-21** ▼ 15-Sep-20 Development of Test Case Elements (Test Script) 85.0c 15-Jul-20 HRH.TOS.1015 28-May-20 Develop Test Case Scenarios (N-01 to N-09: Refer to Appendix-2 TO Plan) for Normal Operations Test Elements (x 65) 0% 15-May-20 42 0d 15-Jul-20 15-May-20 15-Jul-20 27-Jul-20 8.0d 14-Aug-20 Develop Test Case Scenarios (D-1 to D-19; Appendix 2 T.O Plan) for Degraded Operations Test Elements (x 67) 0% 16-Jul-20 14-Aug-20 HRH.TOS.1030 22 0d 16-Jul-20 14-Aug-20 28-Jul-20 26-Aug-20 8.00 28-Aug-20 HRH.TOS.1040 Develop Test Case Scenarios (E-1 to E-10: Refer to Appendix-2 T.O Plan) for Emergency Mode Test Elements (x 12) 10.0d 0% 17-Aug-20 28-Aug-20 17-Aug-20 28-Aug-20 27-Aug-20 10-Sep-20 8.00 5-Sep-20 HRH.TOS.1020 Develop Test Case Scenarios (C-1 to C-29: Refer to Appendix-2 T.O Plan) for Response to Failure/Alternative Ops. (x 200) 43.0d 0% 16-Jul-20 15-Sep-20 16-Jul-20 15-Sep-20 10-Aug-20 08-Oct-20 17.0c 5-Sep-20 HRH.TOS.1045 Develop Test Case Scenarios for Reliability Running Testing 21.0d 0% 17-Aug-20 15-Sep-20 17-Aug-20 15-Sep-20 10-Sep-20 08-Oct-20 17.0c Validation and Approval of Test Case Scenarios and Test Elements **27-Oct-20 T** 15-Sep-20 HRH.TOS.1050 0% 17-Aug-20 28-Aug-20 17-Aug-20 Conduct Desktop Exercises related to Normal and Degraded Operation Scenarios 10.0d 28-Aug-20 25-Sep-20 08-Oct-20 28.0d HRH.TOS.1060 Conduct Desktop Exercises related to multifarious emergency / disaster situations Scenarios 10.0d 0% 01-Sep-20 15-Sep-20 01-Sep-20 15-Sep-20 08-Oct-20 17.0d 25-Sep-20 Approval of Test Case es and Test Elements 27-Oct-20 Review of Test Case Scenarios by the HART/ City 8.0d HRH.TOS.1070 20.0d 0% 31-Aug-20 28-Sep-20 31-Aug-20 28-Sep-20 11-Sep-20 08-Oct-20 HRH.TOS.1080 10.0d 8.0d Received Comments from the City and re-submission incorporating Comments (if any) 0% 29-Sep-20 13-Oct-20 29-Sep-20 13-Oct-20 09-Oct-20 23-Oct-20 HRH.TOS.1090 Obtain Final Apporval of Test Cases with all test elements from the City/HART 10.0d 0% 14-Oct-20 27-Oct-20 14-Oct-20 27-Oct-20 26-Oct-20 06-Nov-20 8.0d Readiness Drills (Staff Competency Testing) 8-Dec-20 HRH.TOS.1095 Normal Operations Mode- Perform Internal Readiness Drills for Stations, OCC and Train Staffs 0% 05-Nov-20 2.0d 05-Nov-20 09-Nov-20 17-Nov-20 HRH.TOS.1096 Degraded Operations Mode-Perform Internal Readiness Drills for Stations, OCC and Train Staffs 18 0d 0% 16-Nov-20 10-Dec-20 16-Nov-20 10-Dec-20 25-Nov-20 7.0d 19-Dec-20 Date Revision Checked Approved Remaining Work Milestone Page 28 of 30 04-Jun-20 HNL - Revised Baseline (1 March 21) - HART Subm.ission Michele HITACHI Critical Remaining Work 11-Jun-20 HNL - Revised Baseline (1 March 21) - HART Final Submission Michele Samrat Inspire the Next Actual Work Critical Milestones 08-Jul-20 HNL - Rev. BL HART (1 March 21) - with revision in Trial Run Michele

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART)

Activity ID

Activity Name

APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version)

ALL ACTIVITY LAYOUT

Original Activity % Start | Finish | Remaining | Remaining

ity ID	Activity Name		Activity % Start	Finish	Remaining	Remaining	Remaining	Remaining	Total	Q	Q			Q	Q	QQ
		Duration	Complete		Early Start	Early Finish	Late Start	Late Finish	Float	1 A M	J Jul A	SON	I D J F M	I A M J	Jul A S	ONDJFMA
HRH.TOS.1097	Emergency Operations Mode- Perform Internal Readiness Drills for Stations, OCC and Train Staffs	6.0d	0% 11-Dec-20	18-Dec-20	11-Dec-20	18-Dec-20	20-Dec-20	28-Dec-20	7.0d							
Delivery of Test Cases		41.0d	16-Nov-20	12-Jan-21	16-Nov-20	12-Jan-21	18-Nov-20	12-Jan-21	0.0d					-		▼ 12-Jan-21
	Perform Elemental Test Scenarios	11.0d	16-Nov-20	27-Nov-20	16-Nov-20	27-Nov-20	18-Nov-20	29-Nov-20	2.0d							27-Nov-20
■ HRH.TOS.1100	Perform Normal Operations Test Case Scenario: N-01 (Starting Up of Maintine Train Services)	2.0d	0% 16-Nov-20	17-Nov-20	16-Nov-20	17-Nov-20	18-Nov-20	19-Nov-20	2.0d							
■ HRH.TOS.1110	Perform Normal Operations Test Case Scenario: N-02 (Mainline Train Services)	2.0d	0% 18-Nov-20	19-Nov-20	18-Nov-20	19-Nov-20	20-Nov-20	21-Nov-20	2.0d							
■ HRH.TOS.1120	Perform Normal Operations Test Case Scenario: N-03 (Shutting Down of Mainline Train Services)	1.0d	0% 20-Nov-20	20-Nov-20	20-Nov-20	20-Nov-20	22-Nov-20	22-Nov-20	2.0d							
■ HRH.TOS.1130	Perform Normal Operations Test Case Scenario: N-04 (Re-Test / Staff Roster & Timetable proving)	2.0d	0% 21-Nov-20	22-Nov-20	21-Nov-20	22-Nov-20	23-Nov-20	24-Nov-20	2.0d							
■ HRH.TOS.1140	Perform Normal Operations Test Case Scenario: N-05 (Yard Operations)	2.0d	0% 21-Nov-20	22-Nov-20	21-Nov-20	22-Nov-20	23-Nov-20	24-Nov-20	2.0d							1   1
■ HRH.TOS.1150	Perform Normal Operations Test Case Scenario: N-06 (Station 1 - Start of Day)	1.0d	0% 23-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20	25-Nov-20	25-Nov-20	2.0d							
■ HRH.TOS.1160	Perform Normal Operations Test Case Scenario: N-07 (Trial Operations)	1.0d	0% 24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	27-Nov-20	27-Nov-20	2.0d							
HRH.TOS.1170	Perform Normal Operations Test Case Scenario: N-08 (Performance & Planning)	1.0d	0% 25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	28-Nov-20	28-Nov-20	2.0d							
HRH.TOS.1180	Perform Normal Operations Test Case Scenario: N-09 (Shutting Down of Station/Main Line Train Services)	1.0d	0% 27-Nov-20	27-Nov-20	27-Nov-20	27-Nov-20	29-Nov-20	29-Nov-20	2.0d					:		
	sponse to Failure) - Perform Elemental Test Scenarios	11.0d	16-Nov-20	27-Nov-20	16-Nov-20	27-Nov-20	18-Nov-20	29-Nov-20	2.0d							27-Nov-20
■ HRH.TOS.1491	Perform Response to Failure - Contingency Plan (Alternative Ops.) Scenario No. 1 to No. 10	5.0d	0% 16-Nov-20	20-Nov-20	16-Nov-20	20-Nov-20	18-Nov-20	22-Nov-20	2.0d					:		
■ HRH.TOS.1492	Perform Response to Failure - Contingency Plan (Alternative Ops.) Scenario No. 11 to No. 18	2.0d	0% 21-Nov-20	22-Nov-20	21-Nov-20	22-Nov-20	23-Nov-20	24-Nov-20	2.0d							
■ HRH.TOS.1493	Perform Response to Failure - Contingency Plan (Alternative Ops.) Scenario No. 19 to No. 29	4.0d	0% 23-Nov-20	27-Nov-20	23-Nov-20	27-Nov-20	25-Nov-20	29-Nov-20	2.0d							I.
	s - Perform Elemental Test Scenarios	22.0d	30-Nov-20	28-Dec-20	30-Nov-20	28-Dec-20	30-Nov-20	28-Dec-20	0.0d							28-Dec-20
HRH.TOS.1200	Perform Degraded Operations Test Case Scenario: D-01 (Train Rescue)	3.0d	0% 30-Nov-20	02-Dec-20	30-Nov-20	02-Dec-20	30-Nov-20	02-Dec-20	0.0d							
HRH.TOS.1210	Perform Degraded Operations Test Case Scenario: D-02 (Broken Rail)	1.0d	0% 03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	0.0d							
■ HRH.TOS.1220	Perform Degraded Operations Test Case Scenario: D-03 (Station 1 Degraded Condition)	1.0d	0% 04-Dec-20	04-Dec-20	04-Dec-20	04-Dec-20	04-Dec-20	04-Dec-20	0.0d					:		
HRH.TOS.1230	Perform Degraded Operations Test Case Scenario: D-04 (Station 2 Degraded Condition)	1.0d	0% 07-Dec-20	07-Dec-20	07-Dec-20	07-Dec-20	07-Dec-20	07-Dec-20	0.0d							
HRH.TOS.1240	Perform Degraded Operations Test Case Scenario: D-05 (Station 3 Degraded Condition)	1.0d	0% 08-Dec-20	08-Dec-20	08-Dec-20	08-Dec-20	08-Dec-20	08-Dec-20	0.0d							
HRH.TOS.1250	Perform Degraded Operations Test Case Scenario: D-06 (Station 4 Degraded Condition)	1.0d	0% 09-Dec-20	09-Dec-20	09-Dec-20	09-Dec-20	09-Dec-20	09-Dec-20	0.0d							
■ HRH.TOS.1260	Perform Degraded Operations Test Case Scenario: D-07 (Station 5 Degraded Condition)	1.0d	0% 10-Dec-20	10-Dec-20	10-Dec-20	10-Dec-20	10-Dec-20	10-Dec-20	0.0d							
■ HRH.TOS.1270	Perform Degraded Operations Test Case Scenario: D-08 (System Failures 1)	1.0d	0% 11-Dec-20	11-Dec-20	11-Dec-20	11-Dec-20	11-Dec-20	11-Dec-20	0.0d							
■ HRH.TOS.1280	Perform Degraded Operations Test Case Scenario: D-09 (System Failures 2)	1.0d	0% 14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	0.0d							
■ HRH.TOS.1290	Perform Degraded Operations Test Case Scenario: D-10 (System Failures 3)	1.0d	0% 14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	0.0d							
HRH.TOS.1300	Perform Degraded Operations Test Case Scenario: D-11 (Train Operations Faults 1)	3.0d	0% 15-Dec-20	17-Dec-20	15-Dec-20	17-Dec-20	15-Dec-20	17-Dec-20	0.0d					:		
■ HRH.TOS.1310	Perform Degraded Operations Test Case Scenario: D-12 (Train Operations Faults 2)	3.0d	0% 18-Dec-20	20-Dec-20	18-Dec-20	20-Dec-20	18-Dec-20	20-Dec-20	0.0d							
■ HRH.TOS.1320	Perform Degraded Operations Test Case Scenario: D-13 (Switch Failure)	1.0d	0% 21-Dec-20	21-Dec-20	21-Dec-20	21-Dec-20	21-Dec-20	21-Dec-20	0.0d					:		
■ HRH.TOS.1330	Perform Degraded Operations Test Case Scenario: D-14 (Track Circuits / Microlok Failures)	1.0d	0% 22-Dec-20	22-Dec-20	22-Dec-20	22-Dec-20	22-Dec-20	22-Dec-20	0.0d							
■ HRH.TOS.1340	Perform Degraded Operations Test Case Scenario: D-15 (On board System Failures)	1.0d	0% 23-Dec-20	23-Dec-20	23-Dec-20	23-Dec-20	23-Dec-20	23-Dec-20	0.0d							
■ HRH.TOS.1370	Perform Degraded Operations Test Case Scenario: D-17 (Extreme Weather / Poor Adhesion)	1.0d	0% 24-Dec-20	24-Dec-20	24-Dec-20	24-Dec-20	24-Dec-20	24-Dec-20	0.0d							
HRH.TOS.1380	Perform Degraded Operations Test Case Scenario: D-18 (Power Supply Failures)	1.0d	0% 28-Dec-20	28-Dec-20	28-Dec-20	28-Dec-20	28-Dec-20	28-Dec-20	0.0d							
Emergency Situation	- Perform Elemental Test Scenarios	10.0d	29-Dec-20	12-Jan-21	29-Dec-20	12-Jan-21	29-Dec-20	12-Jan-21	0.0d							▼ 12-Jan-2
HRH.TOS.1400	Perform Emergency Operations Test Case Scenario: E-01 (Train Evacuation on a Viaduct)	1.0d	0% 29-Dec-20	29-Dec-20	29-Dec-20	29-Dec-20	29-Dec-20	29-Dec-20	0.0d					:		
■ HRH.TOS.1410	Perform Emergency Operations Test Case Scenario: E-02 (OCC Evacuation)	1.0d	0% 30-Dec-20	30-Dec-20	30-Dec-20	30-Dec-20	30-Dec-20	30-Dec-20	0.0d							
HRH.TOS.1420	Perform Emergency Operations Test Case Scenario: E-03 (Yard Evacuation)	1.0d	0% 31-Dec-20	31-Dec-20	31-Dec-20	31-Dec-20	31-Dec-20	31-Dec-20	0.0d					:		
■ HRH.TOS.1430	Perform Emergency Operations Test Case Scenario: E-04 (Station Evacuation - Security Alert)	1.0d	0% 04-Jan-21	04-Jan-21	04-Jan-21	04-Jan-21	04-Jan-21	04-Jan-21	0.0d							
HRH.TOS.1440	Perform Emergency Operations Test Case Scenario: E-05 (Passenger Evacuation from a Train to Station)	1.0d	0% 05-Jan-21	05-Jan-21	05-Jan-21	05-Jan-21	05-Jan-21	05-Jan-21	0.0d					:		
HRH.TOS.1450	Perform Emergency Operations Test Case Scenario: E-06 (Train on Fire at Station)	1.0d	0% 06-Jan-21	06-Jan-21	06-Jan-21	06-Jan-21	06-Jan-21	06-Jan-21	0.0d							
HRH.TOS.1460	Perform Emergency Operations Test Case Scenario: E-07 (Overcrowding at a Station)	1.0d	0% 07-Jan-21	07-Jan-21	07-Jan-21	07-Jan-21	07-Jan-21	07-Jan-21	0.0d							
HRH.TOS.1470	Perform Emergency Operations Test Case Scenario: E-08 (Train to Train Collision)	1.0d	0% 08-Jan-21	08-Jan-21	08-Jan-21	08-Jan-21	08-Jan-21	08-Jan-21	0.0d							
HRH.TOS.1480	Perform Emergency Operations Test Case Scenario: E-09 (Train Derailment)	1.0d	0% 11-Jan-21	11-Jan-21	11-Jan-21	11-Jan-21	11-Jan-21	11-Jan-21	0.0d							
HRH.TOS.1490	Perform Emergency Operations Test Case Scenario: E-10 (Fre at a Station during Operational Hours)	1.0d	0% 12-Jan-21	12-Jan-21	12-Jan-21	12-Jan-21	12-Jan-21	12-Jan-21	0.0d							
	ration with Third-Party Agencies	6.0d	13-Jan-21	19-Jan-21	13-Jan-21	19-Jan-21	13-Jan-21	19-Jan-21	0.0d							<b>▼</b> 19-Jan-
	es with Blue Light Services	6.0d	13-Jan-21	19-Jan-21	13-Jan-21	19-Jan-21	13-Jan-21	19-Jan-21	0.0d							₩ 19-Jan-
HRH.TOS.1495	Conduct Multi-agency (First Responders) Simulation Exercises with External Sevices, City and HART (as per TP-3.4.12.5)	6.0d	0% 13-Jan-21	19-Jan-21	13-Jan-21	19-Jan-21	13-Jan-21	19-Jan-21	0.0d					:		
System Service Availa	bility (SSA) Demonstration	36.0d	20-Jan-21	25-Feb-21	20-Jan-21	25-Feb-21	20-Jan-21	25-Feb-21	0.0d					-		▼ 25-
Operators RAMS Tes	ing	36.0d	20-Jan-21	25-Feb-21	20-Jan-21	25-Feb-21	20-Jan-21	25-Feb-21	0.0d							25-
HRH.TOS.1500	SSA - 98.50% RAMS Demonstration as per TP-3.3.6.1 (more than 30 days without planned test cases)	36.0d	0% 20-Jan-21	25-Feb-21	20-Jan-21	25-Feb-21	20-Jan-21	25-Feb-21	0.0d					!		
Remaining Wor	k ♦ Milestone	_	29 of 30					Date			Re	vision			Chec	cked Approved

Remaining Work

Critical Remaining Work

Actual Work

MilestonesummaryCritical Milestones

Page 29 of 30

		<del></del>	<del></del>
Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Subm.ission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev. BL_HART (1 March 21) - with revision in Trial Run	Samrat	Michele

# APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version) ALL ACTIVITY LAYOUT

Activity ID	Activity Name	Original		Finish			Remaining Late Start	Remaining	Total	Q	Q	Q	Q	Q	Q	Q Q Q
		Duration	Complete		Early Start	Early Finish		Late Finish	Float	M A M	J Jul A	SOND	J F M	A M J Ju	al A S	O N D J F M A M
Preparation and Subm	nission of Test Reports	68.0d		26-Feb-21	20-Nov-20	26-Feb-21	01-Feb-21	26-Feb-21	0.0d					1		26-Feb-21
Normal Operation - Te	•	7.0d		01-Dec-20	20-Nov-20	01-Dec-20	01-Feb-21	26-Feb-21	61.0d					:		▼ 01-Dec-20
■ HRH.TOS.1600	Week 1 - Test Case Scenarios : Report Compiling and Submission (Normal Operations)	2.0d	0% 20-Nov-20	23-Nov-20	20-Nov-20	23-Nov-20	25-Feb-21	26-Feb-21	66.0d							
■ HRH.TOS.1605	Week 2 - Test Case Scenarios : Report Compiling and Submission (Normal Operations)	2.0d	0% 23-Nov-20	24-Nov-20	23-Nov-20	24-Nov-20	25-Feb-21	26-Feb-21	65.0d					:		
➡ HRH.TOS.1610	Week 3 - Test Case Scenarios: Report Compiling and Submission (Normal Operations)	2.0d	0% 30-Nov-20	01-Dec-20	30-Nov-20	01-Dec-20	01-Feb-21	02-Feb-21	44.0d							
	(Contingency Plan) - Test Case Reports	6.0d		01-Dec-20	23-Nov-20	01-Dec-20	01-Feb-21	26-Feb-21	61.0d	1 1	1 1			1	: :	▼ 01-Dec-20
■ HRH.TOS.1650	Week 4 - Test Case Scenarios : Report Compiling and Submission (RTF/Contingency Plan)	2.0d	0% 23-Nov-20	24-Nov-20	23-Nov-20	24-Nov-20	25-Feb-21	26-Feb-21	65.0d							
■ HRH.TOS.1655	Week 5 - Test Case Scenarios : Report Compiling and Submission (RTF/Contingency Plan)	2.0d	0% 30-Nov-20	01-Dec-20	30-Nov-20	01-Dec-20	25-Feb-21	26-Feb-21	61.0d					1		
■ HRH.TOS.1660	Week 6 - Test Case Scenarios : Report Compiling and Submission (RTF/Contingency Plan)	2.0d	0% 30-Nov-20	01-Dec-20	30-Nov-20	01-Dec-20	01-Feb-21	02-Feb-21	44.0d							
Degraded Operations	s - Test Case Reports	19.0d	04-Dec-20	29-Dec-20	04-Dec-20	29-Dec-20	01-Feb-21	26-Feb-21	40.0d					1	1 1	29-Dec-20
■ HRH.TOS.1615	Week 5 - Test Case Scenarios : Report Compiling and Submission (Degraded Operations)	2.0d	0% 04-Dec-20	07-Dec-20	04-Dec-20	07-Dec-20	25-Feb-21	26-Feb-21	57.0d				1 1	:		
■ HRH.TOS.1620	Week 6 - Test Case Scenarios : Report Compiling and Submission (Degraded Operations)	2.0d	0% 11-Dec-20	14-Dec-20	11-Dec-20	14-Dec-20	25-Feb-21	26-Feb-21	52.0d					1		0   1
➡ HRH.TOS.1625	Week 7 - Test Case Scenarios : Report Compiling and Submission (Degraded Operations)	2.0d	0% 18-Dec-20	19-Dec-20	18-Dec-20	19-Dec-20	25-Feb-21	26-Feb-21	47.0d							
➡ HRH.TOS.1630	Week 8 - Test Case Scenarios : Report Compiling and Submission (Degraded Operations)	2.0d	0% 22-Dec-20	23-Dec-20	22-Dec-20	23-Dec-20	25-Feb-21	26-Feb-21	43.0d							1 1
■ HRH.TOS.1635	Week 9 - Test Case Scenarios : Report Compiling and Submission (Degraded Operations)	2.0d	0% 28-Dec-20	29-Dec-20	28-Dec-20	29-Dec-20	01-Feb-21	02-Feb-21	23.0d							
Emergency Operation	ns - Test Case Reports	7.0d	06-Jan-21	14-Jan-21	06-Jan-21	14-Jan-21	01-Feb-21	26-Feb-21	29.0d					1		₩ 14-Jan-21
■ HRH.TOS.1640	Week 10 - Test Case Scenarios : Report Compiling and Submission (Emergency Operations)	2.0d	0% 06-Jan-21	07-Jan-21	06-Jan-21	07-Jan-21	25-Feb-21	26-Feb-21	34.0d					:		
➡ HRH.TOS.1645	Week 11 - Test Case Scenarios: Report Compiling and Submission (Emergency Operations)	2.0d	0% 13-Jan-21	14-Jan-21	13-Jan-21	14-Jan-21	01-Feb-21	02-Feb-21	12.0d	1 1				:		
SSA Demonstration T	Testing Reports	2.0d	25-Feb-21	26-Feb-21	25-Feb-21	26-Feb-21	25-Feb-21	26-Feb-21	0.0d					:		▼ 26-Feb-21
■ HRH.TOS.1670	SSA - RAMS Demonstration Testing Report	2.0d	0% 25-Feb-21	26-Feb-21	25-Feb-21	26-Feb-21	25-Feb-21	26-Feb-21	0.0d							
Test Case Review and	l Sign-off	45.0d	16-Nov-20	19-Jan-21	16-Nov-20	19-Jan-21	29-Dec-20	04-Feb-21	12.0d					1		▼ 19-Jan-21
Test Case Review Pa		44.0d		15-Jan-21	16-Nov-20	15-Jan-21	29-Dec-20	03-Feb-21	12.0d							▼ 15-Jan-21
■ HRH.TOS.1700	Normal Mode Operations Test Cases - Review and Recommendation by Test Case Review Panel (TCRP)	15.0d	0% 16-Nov-20	07-Dec-20	16-Nov-20	07-Dec-20	13-Jan-21	03-Feb-21	41.0d					:		
☐ HRH.TOS.1710	Degraded Mode Operations Test Cases - Review and Recommendation by Test Case Review Panel (TCRP)	25.0d	0% 30-Nov-20	31-Dec-20	30-Nov-20	31-Dec-20	29-Dec-20	03-Feb-21	22.0d							
☐ HRH.TOS.1720	Emergency Mode Operations Test Cases - Review and Recommendation by Test Case Review Panel (TCRP)	12.0d	0% 30-Dec-20	15-Jan-21	30-Dec-20	15-Jan-21	19-Jan-21	03-Feb-21	12.0d				1 1	:		
■ HRH.TOS.1730	Response to Failure/ Contingency Plan Test Cases - Review and Recommendation by Test Case Review Panel	13.0d	0% 16-Nov-20	03-Dec-20	16-Nov-20	03-Dec-20	15-Jan-21	03-Feb-21	43.0d							
Final Sign-off and Acc	ceptance	1.0d	19-Jan-21	19-Jan-21	19-Jan-21	19-Jan-21	04-Feb-21	04-Feb-21	12.0d	: :	1 1		1 1	:	: :	▼ 19-Jan-21
■ HRH.TOS.1750	Final Sign-off by O&M Director - all reports related to Test Case Scenarios (N,C,D,E)	1.0d	0% 19-Jan-21	19-Jan-21	19-Jan-21	19-Jan-21	04-Feb-21	04-Feb-21	12.0d							
Trial Run Certificate		4.0d		25-Jan-21	20-Jan-21	25-Jan-21	05-Feb-21	10-Feb-21	12.0d							▼ 25-Jan-21
S1PC10065010	Request for Trail Running Certificate to HART	1.0d	0% 20-Jan-21	20-Jan-21	20-Jan-21	20-Jan-21	05-Feb-21	05-Feb-21	12.0d							
S1PC10065020	Obtain Trial Run Certificates from HART	3.0d	0% 21-Jan-21	25-Jan-21	21-Jan-21	25-Jan-21	08-Feb-21	10-Feb-21	12.0d							0
Passenger Operating L		11.0d		26-Feb-21	11-Feb-21	26-Feb-21	11-Feb-21	26-Feb-21	0.0d							26-Feb-21
S1PC10066000	Submit Passenger Operating License Application to regulator (including approved Ops. Safety Cert and TR Certification)	ates) 1.0d	0% 11-Feb-21	11-Feb-21	11-Feb-21	11-Feb-21	11-Feb-21	11-Feb-21	0.0d					:		
S1PC10066010	Obtain Pax. Operating License from FTA/Regulator Authority	10.0d	0% 12-Feb-21	26-Feb-21	12-Feb-21	26-Feb-21	12-Feb-21	26-Feb-21	0.0d							

Remaining Work

Critical Remaining Work

Actual Work

◆ Milestone
▼ summary
◆ Critical Milestones

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Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Subm.ission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev. BL_HART(1 March 21) - with revision in Trial Run	Samrat	Michele

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