

Region
Stage 1 Light Rail Transit Project

Appendix B
Expiry Date Requirements

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APPENDIX B EXPIRY DATE REQUIREMENTS

B.1 Introduction

(a) General

- (i) This Appendix sets forth the requirements for the condition of the System when it is returned to the Region at the Expiry Date. The objectives of these requirements are to:
 - A. Define the minimum required condition levels at the Expiry Date;
 - B. Ensure a suitable distribution of remaining life expectancies;
 - C. Achieve Remaining Service Life (as defined in this Appendix) expectations;
 - D. Ensure all documentation (Design Data, maintenance services records and reports, permits, licences and approvals) for all Infrastructure is up-to-date and submitted to the Region;
 - E. Ensure all System assets are fully operational and functional; and
 - F. Ensure no outstanding safety issues exist.
- (ii) The procedures for meeting the Expiry Date requirements are outlined in Schedule 24 – Expiry Transition Procedure of this Project Agreement.

(b) Objective

- (i) At the Expiry Date, the condition of the System must meet the minimum standards defined in this Appendix in addition to having met requirements stated elsewhere in this Project Agreement that include, but are not limited to, the Design and Construction Performance Output Specifications and the remainder of the Maintenance and Rehabilitation Specifications. The requirements set out in this Appendix are intended to protect the Region from excessive asset consumption during the Maintenance Term, to facilitate hand over of the System to the Region at the Expiry Date in a condition that reflects proactive maintenance and rehabilitation during the Maintenance Term, and to ensure that the System has sufficient Remaining Service Life (as defined in this Appendix). Additionally, at the Expiry Date the System shall have no material deficiencies and shall require no urgent maintenance shortly after the Expiry Date.

(c) Performance Measures

- (i) In addition to the requirements set out in this Appendix, at the Expiry Date, the System condition must also satisfy the requirements of Schedule 15-3 and the performance measures set forth in each Appendix.

B.2 Determination of Remaining Service Life

(a) Remaining Service Life

(i) The “**Remaining Service Life**” means, for the purposes of this Appendix, the service life that remains for each component of the System measured in years, taking into account the historic performance of systems of similar construction used under similar conditions, assessed on the basis set out in Section B.2 (b) below. At the Expiry Date, the System shall:

- A. have the Remaining Service Life set out in Exhibit B.2-1 below; and
- B. meet the performance and maintenance levels noted in the Project Agreement and this Appendix,

, and the Remaining Service Life will be determined to have been achieved only if there is no need for any repairs or rehabilitation in respect of the System at such time (other than custodial, preventative and handover maintenance of any component of the System which will be required during the anticipated Remaining Service Life).

EXHIBIT B.2-1 Remaining Service Life		
System Element	Remaining Service Life (years)	Percentage of System Element (Minimum Requirement)
New Structure	BCI > 70	100
Existing Structure	BCI > 70	100
Elevated Guideway	BCI > 70	100
LRT Stops	>10	100
Track – Ballast	>10	100
Track – Fixed	>10	100
Ties	>10	100
Switches and Cross-Overs	>10	100
Embedded Track	>10	100
Maintenance Building	>10	100
Communications	>5	100
Overhead Catenary System	>10	100
Traction Power Equipment	>10	100
Signals & Communications Equipment	>5	100

EXHIBIT B.2-1 Remaining Service Life		
System Element	Remaining Service Life (years)	Percentage of System Element (Minimum Requirement)
Train & Traffic Control Systems	>10	100
Initial Fleet of 14 Vehicles and additional Vehicles purchased under the provisions of Schedule 35	Initial Fleet: 0 Additional Vehicles: (30 years minus years in service)	Initial Fleet: N/A Additional Vehicles: 100

(b) Measuring and Establishing Remaining Service Life

- (i) The Remaining Service Life for each element of the System identified in Exhibit B.2-1 above will be assessed by measuring its compliance and projected compliance (assuming a reasonable level of ongoing maintenance) with:
 - A. the standards and/or requirements of the Design and Construction Performance Output Specifications in Schedule 15-2;
 - B. the standards and/or requirements defined in the Maintenance and Rehabilitation Specifications in Schedule 15-3 and Appendix A;
 - C. the standards and/or requirements as proposed by Project Co and approved by the Region, which resulted from Project Co’s choices during the performance of Schedules 15-2 and 15-3; and
 - D. all regulatory and legal requirements in force at the time of assessment.