

PART E
SPECIFICATIONS

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

E1.1 These Specifications shall apply to the Work.

E2. SERVICES

E2.1 The Contractor shall maintain bus washer equipment in accordance with the requirements hereinafter specified.

E2.2 The Contractor shall provide regular maintenance during normal working hours except in an emergency.

E2.3 Emergency work may be required 24-hours a day; 365 days a year and the contractor must provide a 24-hour emergency telephone number.

E2.4 The Contractor shall meet the following requirements:

- (a) a Professional Engineer on staff who is experienced with the equipment to design repairs or at least written confirmation that they have a suitable engineer on retainer who will provide immediate service if required;
- (b) as a minimum a mechanical or electrical technologist with experience maintaining and trouble-shooting programmable logic controllers and hard wired logic circuits or at least written confirmation that they have a suitable technologist on retainer who will provide immediate service if required;
- (c) machine shop and welding facilities to fabricate or repair broken equipment or at least written confirmation that they have a suitable facility on retainer that will provide immediate service if required; and
- (d) mobile service vehicles to perform all common maintenance and repairs.

E2.5 The Contractor shall record all regular maintenance checks on equipment at the two (2) locations (as listed in Clause D2.2) into a log book that is located at each facility, the regular maintenance checks shall consist of:

E2.5.1 Weekly bus washer check:

- (i) power and air off;
- (ii) grease and clean bearings;
- (iii) lubricate overhead wands;
- (iv) fill lubricator, check lubricator operation;
- (v) check brush condition;
- (vi) power and air on; and
- (vii) test operation.

E2.5.2 Weekly interior cleaner check:

- (i) grease bearings and rollers and clean;
- (ii) clean and lubricate cylinder shafts;
- (iii) fill lubricator, check lubricator operation;
- (iv) check condition of bellows, and
- (v) test operation.

- E2.5.3 Monthly bus washer check:
- (i) power and air off;
 - (ii) grease and clean bearings;
 - (iii) lubricate overhead wands;
 - (iv) fill lubricator, check lubricator operation;
 - (v) check brush condition;
 - (vi) check gearbox oil levels;
 - (vii) grease gearbox top bearings;
 - (viii) clean excess grease from bearings;
 - (ix) flush all water pipes;
 - (viii) power and air on; and
 - (ix) test operation.

- E2.5.4 Monthly interior cleaner check:
- (i) grease bearings and rollers and clean;
 - (ii) clean and lubricate cylinder shafts;
 - (iii) fill lubricator, check lubricator operation;
 - (iv) check condition of bellows; and
 - (v) test operation.

- E2.5.5 Semi-annual bus washer checks:
- (i) grease all motors (Cyclone cleaners & washers).

Note: Report any further attention required to the Contract Administrator.

E2.6 The Contractor shall maintain the following parts in stock:

Quantity	Description
4	18 x 60 full density 24/12 brushes;
8	18 x 60 20 strip brushes;
4	18 x 72 20 strip brushes;
24	2 ¼" aluminium brush collars;
2	rubber bearings protector disc assemblies;
2	2" – 4 bolt Dodge bearings (lower & upper brush bearings);
2	4" Parker cylinder kits;
4	1" – 4 hole flange bearings;
2	7" Dodge polyflex coupling discs;
4	4" x 8" rubber brush bumpers;
2	¾" quick exhaust valve;
1	1 ¼" solenoid valve (water system);
10	¼" A.B. spraying system check valve;
2	Humphrey shuttle valve;
2	pneumatic air operated limit switch;
1	Tycor PLC surge suppressor;
1	G.E. Fanuc PLC relay output module;
1	G.E. Fanuc PLC relay input module;
1	set spare bellows & bumper pad (buck style);
1	set spare bellows & bumper pad (Washtronics style);
2	overhead wand cylinder; and
9	fibre wands.