

| Item    | Description                                                                                                                                                                                                            | Unit  | Quantity | Rate | Amount | Subtotals |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|------|--------|-----------|
| 1...    | <b>ENVIRONMENTAL COMPLIANCE</b>                                                                                                                                                                                        |       |          |      |        |           |
| 2...    | <b>EARTHWORKS</b>                                                                                                                                                                                                      |       |          |      |        |           |
| 2.1..   | SITE CLEARANCE                                                                                                                                                                                                         |       |          |      |        |           |
| 2.1.1.  | Remove exiting tree to waste                                                                                                                                                                                           | ea    | 1        |      |        |           |
| 2.1.2.  | Remove existing light column to WCC storage                                                                                                                                                                            | ea    | 1        |      |        |           |
| 2.2..   | CUT TO WASTE                                                                                                                                                                                                           |       |          |      |        |           |
| 2.2.1.  | Cut to waste                                                                                                                                                                                                           | m3    | 100      |      |        |           |
| 3...    | <b>GROUND IMPROVEMENTS</b>                                                                                                                                                                                             |       |          |      |        |           |
| 4...    | <b>DRAINAGE</b>                                                                                                                                                                                                        |       |          |      |        |           |
| 4.1..   | STRIP DRAIN                                                                                                                                                                                                            |       |          |      |        |           |
| 4.1.1.  | Strip drain through platforms (Mea drain or similar)                                                                                                                                                                   | m     | 6        |      |        |           |
| 4.1.2.  | Allowance for strip drain and kerb outflow for Tacy Street path                                                                                                                                                        | PS    | 1        |      |        |           |
| 4.2..   | KERBING                                                                                                                                                                                                                |       |          |      |        |           |
| 4.2.1.  | Remove existing                                                                                                                                                                                                        | m     | 45       |      |        |           |
| 4.2.3.  | Standard kerb and channel                                                                                                                                                                                              | m     | 30       |      |        |           |
| 4.2.4.  | Nib kerb                                                                                                                                                                                                               | m     | 72       |      |        |           |
| 5...    | <b>PAVEMENT &amp; SURFACING</b>                                                                                                                                                                                        |       |          |      |        |           |
| 5.1..   | CBR TESTING                                                                                                                                                                                                            | LS    | 1        |      |        |           |
| 5.2..   | PAVEMENT                                                                                                                                                                                                               |       |          |      |        |           |
| 5.2.1.  | Mill out existing pavement (to a depth of 430mm) AC and any granular pavement                                                                                                                                          | sq.m  | 1,060    |      |        |           |
| 5.2.2.  | E/O - Mill out existing pavement (additional depth of 40mm) (Provisional item) (If identify a CBR 2)                                                                                                                   | sq.m  | 1,060    |      |        |           |
| 5.2.3.  | Mill out existing pavement (330mm) - Item for area of top of platform                                                                                                                                                  | sq.m  |          |      |        |           |
| 5.2.3.  | Subbase (200mm) (Solid measure supplied and placed AP65) (provisional item)                                                                                                                                            | m3    | 220      |      |        |           |
| 5.2.4.  | Structural layer (180mm AC20) (including tac coat)                                                                                                                                                                     | Tonne | 460      |      |        |           |
| 5.2.5.  | Extra over structural layer (40mm AC20) (If identify a CBR of 2) (provisional item)                                                                                                                                    | Tonne | 100      |      |        |           |
| 5.3..   | SURFACING                                                                                                                                                                                                              |       |          |      |        |           |
| 5.3.1.  | Milling northbound carriageway to tie-in levels                                                                                                                                                                        | sq.m  |          |      |        |           |
| 5.3.1.  | AC14 running layer (50mm) (including tac coat)                                                                                                                                                                         | Tonne | 130      |      |        |           |
| 5.3.2.  | Calcine Bauxite surface                                                                                                                                                                                                | sq.m  | 1,060    |      |        |           |
| 6...    | <b>BRIDGES</b>                                                                                                                                                                                                         |       |          |      |        |           |
| 7...    | <b>RETAINING WALLS</b>                                                                                                                                                                                                 |       |          |      |        |           |
| 7.1..   | TIMBER PILED WALLING                                                                                                                                                                                                   |       |          |      |        |           |
| 7.1.1.  | Wall along-side pathway (up to 1.0m high, 30m long) including all preparation and backfilling                                                                                                                          | m     | 30       |      |        |           |
| 7.1.2.  | Wall to lift footpath up to Tacy Street footpath (up to 1.0m high, 10m long) including all preparation and backfilling                                                                                                 | m     | 10       |      |        |           |
| 8...    | <b>TRAFFIC SERVICES</b>                                                                                                                                                                                                |       |          |      |        |           |
| 8.1..   | PAVEMENT MARKING                                                                                                                                                                                                       |       |          |      |        |           |
| 8.1.1.  | Remove redundant markings and markers                                                                                                                                                                                  | LS    | 1        |      |        |           |
| 8.1.2.  | White pavement markings                                                                                                                                                                                                | LS    | 1        |      |        |           |
| 8.1.3.  | Yellow pavement markings                                                                                                                                                                                               | LS    | 1        |      |        |           |
| 8.1.4.  | RRPMs & Ceramic markers                                                                                                                                                                                                | LS    | 1        |      |        |           |
| 8.1.5.  | White lane arrows                                                                                                                                                                                                      | LS    | 1        |      |        |           |
| 8.1.6.  | White symbols (pedestrian, cycle and giveaway arrows)                                                                                                                                                                  | LS    | 1        |      |        |           |
| 8.1.7.  | White triangles (platform markings)                                                                                                                                                                                    | LS    | 1        |      |        |           |
| 8.1.8.  | Red textured markings                                                                                                                                                                                                  | LS    | 1        |      |        |           |
| 8.1.9.  | White temporary pavement markings                                                                                                                                                                                      | LS    | 1        |      |        |           |
| 8.2..   | ROAD SIGNS & SUPPORTS                                                                                                                                                                                                  |       |          |      |        |           |
| 8.2.1.  | Remove, clean, store and re-erect existing signs                                                                                                                                                                       | LS    | 1        |      |        |           |
| 8.2.2.  | Remove & dispose of redundant existing signs                                                                                                                                                                           | ea    | 2        |      |        |           |
| 8.2.3.  | Road signs - supply & install                                                                                                                                                                                          |       |          |      |        |           |
| 8.2.3.1 | Regulatory signs (with supplementary plate)                                                                                                                                                                            | ea    | 2        |      |        |           |
| 8.2.3.2 | Permanent warning signs (without supplementary plate)                                                                                                                                                                  | ea    |          |      |        |           |
| 8.2.3.2 | Permanent warning signs (with supplementary plate)                                                                                                                                                                     | ea    | 2        |      |        |           |
| 8.2.3.3 | Wayfinding signage                                                                                                                                                                                                     | ea    | 5        |      |        |           |
| 8.2.3.4 | Remove existing sign (and dispose)                                                                                                                                                                                     | ea    | 19       |      |        |           |
| 8.2.3.5 | Remove existing sign and post (and dispose)                                                                                                                                                                            | ea    | 5        |      |        |           |
| 8.2.3.6 | New sign (supply and install)                                                                                                                                                                                          | ea    | 25       |      |        |           |
| 8.2.3.7 | New sign and post (supply and install)                                                                                                                                                                                 | ea    | 11       |      |        |           |
| 8.2.3.8 | Relocate sign                                                                                                                                                                                                          | ea    | 1        |      |        |           |
| 8.3..   | TRAFFIC SIGNALS                                                                                                                                                                                                        |       |          |      |        |           |
| 8.3.1.  | Controller (Supply, Test, and Commission)                                                                                                                                                                              |       |          |      |        |           |
| 8.3.1.1 | New Software - Burn, Test, Install and Commission                                                                                                                                                                      | LS    | 1        |      |        |           |
| 8.3.1.2 | Traffic Controller Cabinet and Plinth - Supply and Install TSC/4 compliant, including all hardware, firmware and software, cabinet, load rack, fittings, etc, including a minimum of 16 signal groups and 32 Detectors | LS    | 1        |      |        |           |
| 8.3.1.3 | Supply and Installation of communications device for SCATS                                                                                                                                                             | LS    | 1        |      |        |           |
| 8.3.1.4 | Supply and Installation of CCTV                                                                                                                                                                                        | LS    | 1        |      |        |           |
| 8.3.2.  | Supply and Install Lanterns                                                                                                                                                                                            |       |          |      |        |           |
| 8.3.2.1 | LED Lantern 200mm 3 Aspect with closed visor, backing board, mounting straps etc.                                                                                                                                      | ea    | 4        |      |        |           |
| 8.3.2.2 | LED Lantern 300mm 3 Aspect with open visor, backing board, mounting straps etc.                                                                                                                                        | ea    | 6        |      |        |           |
| 8.3.2.3 | LED Pedestrian Lantern 2 Aspect with backing board, mounting straps, visors etc.                                                                                                                                       | ea    | 4        |      |        |           |
| 8.3.2.4 | LED Cycle Lantern 2 Aspect with backing board, mounting straps, visors etc.                                                                                                                                            | ea    | 4        |      |        |           |
| 8.3.3.  | Supply and Install Pedestrian and Cycle Facilities                                                                                                                                                                     |       |          |      |        |           |
| 8.3.3.1 | Audio Tactile Pedestrian Callbox and Audio Tactile Driver Unit                                                                                                                                                         | ea    | 4        |      |        |           |
| 8.3.3.2 | Cycle Callbox                                                                                                                                                                                                          | ea    | 4        |      |        |           |
| 8.3.3.3 | Kerbside Detection                                                                                                                                                                                                     | ea    | 4        |      |        |           |
| 8.3.4.  | Supply and Install Traffic Signal Cable                                                                                                                                                                                |       |          |      |        |           |
| 8.3.4.1 | 36 Core Cable                                                                                                                                                                                                          | m     | 420      |      |        |           |
| 8.3.4.2 | Loop feeder cable - 1pr                                                                                                                                                                                                | m     | 70       |      |        |           |
| 8.3.4.3 | Supply and install earth wire (4mm)                                                                                                                                                                                    | m     | 12       |      |        |           |
| 8.3.4.4 | CAT 6 cable for CCTV (To be confirmed)                                                                                                                                                                                 | m     | 20       |      |        |           |
| 8.3.5.  | Supply and Install Traffic Signal Poles                                                                                                                                                                                |       |          |      |        |           |

| Item                      | Description                                                                                                       | Unit | Quantity | Rate | Amount | Subtotals |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|------|----------|------|--------|-----------|
| 8.3.5.1                   | 5m standard signal,brackets, Finial Cap, Pole Top Assembly                                                        | ea   | 5        |      |        |           |
| 8.3.5.2                   | 5m standard signal pole, brackets, Finial Cap, Pole Top Assembly and cycle handrail                               | ea   | 2        |      |        |           |
| 8.3.5.3                   | Joint Use Mastarm pole with 5m outreach                                                                           | ea   | 2        |      |        |           |
| 8.3.5.4                   | Joint Use Signal Pole (JUSP) with 1m curved out reach 12m high and cycle handrail                                 | ea   | 1        |      |        |           |
| 8.3.5.5                   | Joint Use Signal Pole (JUSP) with CCTV extension                                                                  | ea   | 1        |      |        |           |
| 8.3.5.6                   | Type 2 GP 100NB 6m CCTV Column with cycle handrail, brackets, finial cap, pole top assembly                       | ea   | 1        |      |        |           |
| 8.3.6.                    | Supply and Install Traffic Signal Detectors                                                                       |      |          |      |        |           |
| 8.3.6.1                   | SCATS Stop line or 11m Loop including tail to KJB                                                                 | ea   | 4        |      |        |           |
| 8.3.6.2                   | Kerbside Junction Box                                                                                             | ea   | 2        |      |        |           |
| 8.3.7.                    | Supply and Install Ducting                                                                                        |      |          |      |        |           |
| 8.3.7.1                   | Duct 50mm in Berm                                                                                                 | m    | 25       |      |        |           |
| 8.3.7.2                   | Duct 100mm in Berm                                                                                                | m    | 50       |      |        |           |
| 8.3.7.3                   | Duct 100mm under Carriageway                                                                                      | m    | 160      |      |        |           |
| 8.3.7.4                   | Chamber 600mm diameter                                                                                            | ea   | 7        |      |        |           |
| 8.3.8.                    | Power Supply                                                                                                      |      |          |      |        |           |
| 8.3.8.1                   | Supply and install power cabling (Power Authority from supply point to controller)                                | LS   | 1        |      |        |           |
| 8.3.8.2                   | Supply, install and terminate a power cable into the controller cabinet, including an isolation pillar.           | LS   | 1        |      |        |           |
| 8.3.8.3                   | Supply and install pole top cable termination assemblies (including upper and lower mounting hardware)            | ea   | 8        |      |        |           |
| 8.3.8.4                   | Supply and install montrose termination assemblies (including upper and lower mounting hardware) on JUSP and JUMA | ea   | 4        |      |        |           |
| 8.3.9.                    | Comms                                                                                                             |      |          |      |        |           |
| 8.3.9.1                   | Supply and install communications cabling (from supply point to controller)                                       | LS   | 1        |      |        |           |
| ...                       |                                                                                                                   |      |          |      |        |           |
| 8.4..                     | LIGHTING                                                                                                          |      |          |      |        |           |
| 8.4.1.                    | Install new crossing lighting on JUSP pole (TECEO 1 5144)                                                         | ea   | 2        |      |        |           |
| 8.4.2.                    | Install new roadway lighting on JUSP pole (TECEO 2 5118 88 XP-G2 700mA N_2)                                       | ea   | 2        |      |        |           |
| 8.4.3.                    | Install new pathway lighting on existing pole (TECEO 1 36W)                                                       | LS   | 1        |      |        |           |
| 8.4..                     | TRAFFIC ISLANDS                                                                                                   |      |          |      |        |           |
| 8.4.1.                    | Supply, place and compact 100mm AP40                                                                              | m2   | 20       |      |        |           |
| 8.4.2.                    | Supply and install new mountable kerb                                                                             | m    | 90       |      |        |           |
| 8.4.3.                    | Supply, place and finish new 20 MPa concrete (75mm thick)                                                         | m2   | 20       |      |        |           |
| 9...                      | SERVICE RELOCATIONS                                                                                               |      |          |      |        |           |
| 9.1..                     | Service locate                                                                                                    | LS   | 1        |      |        |           |
| 9.2..                     | Potholing                                                                                                         | LS   | 1        |      |        |           |
| 9.3..                     | Services Relocated                                                                                                | PS   | 1        |      |        |           |
| 10...                     | LANDSCAPING & URBAN DESIGN                                                                                        |      |          |      |        |           |
| 10.1..                    | LANDSCAPING                                                                                                       |      |          |      |        |           |
| 10.1.1.                   | Protection of existing vegetation                                                                                 | LS   | 1        |      |        |           |
| 10.1.2.                   | Remove existing planting to storage for reinstatement                                                             | LS   | 1        |      |        |           |
| 10.1.3.                   | Reinststate planting behind retaining wall                                                                        | LS   | 1        |      |        |           |
| ...                       |                                                                                                                   |      |          |      |        |           |
| 10.2..                    | FENCING                                                                                                           |      |          |      |        |           |
| 10.2.1.                   | Supply & install fence in median and path access                                                                  | m    | 67       |      |        |           |
| 10.2.2.                   | Supply & install fence on top of retaining wall                                                                   | m    | 12       |      |        |           |
| ...                       |                                                                                                                   |      |          |      |        |           |
| 10.3..                    | STREETSCAPING                                                                                                     |      |          |      |        |           |
| 10.3.1.                   | Supply and install new yellow 'Type B' warning tactiles                                                           | ea   | 72       |      |        |           |
| 10.3.2.                   | Supply and install new yellow 'Type C' directional tactiles                                                       | ea   | 76       |      |        |           |
| 10.3.3.                   | Supply and install new green 'Type B' warning tactiles                                                            | ea   | 72       |      |        |           |
| 10.4..                    | FOOTPATHS & CYCLEWAYS                                                                                             |      |          |      |        |           |
| 10.4.1.                   | Concrete path                                                                                                     |      |          |      |        |           |
| 10.4.1.1                  | Supply, place and compact 100mm AP40                                                                              | m2   | 430      |      |        |           |
| 10.4.1.2                  | Supply, place and finish new 20 Mpa concrete (100mm thick)                                                        | m2   | 430      |      |        |           |
| 10.4.1.3                  | Extra-over for shell and exposed aggregate finish                                                                 | m2   | 430      |      |        |           |
| 10.4.2.                   | Asphaltic Concrete path, including edging                                                                         | m2   | 30       |      |        |           |
| 10.4.3.                   | Allowance for connection between carpark levels                                                                   | PS   |          |      |        |           |
| 10.5..                    | PEDESTRIAN, CYCLE & VEHICLE CROSSINGS                                                                             |      |          |      |        |           |
| 10.5.1.                   | Construct cycle ramps (Cobham Drive)                                                                              | ea   | 4        |      |        |           |
| 10.5.2.                   | Construct pedestrian dropkerb (ASB carpark and Tacy Street)                                                       | ea   | 2        |      |        |           |
| 10.5.3.                   | Construct pedestrian drop kerbs (Cobham Drive)                                                                    | ea   | 3        |      |        |           |
| 11...                     | TRAFFIC MANAGEMENT & TEMPORARY WORKS                                                                              |      |          |      |        |           |
| 11.1..                    | TEMPORARY TRAFFIC MANAGEMENT                                                                                      | LS   | 1        |      |        |           |
| 12...                     | PRELIMINARY & GENERAL                                                                                             |      |          |      |        |           |
| 12.1..                    | PRELIMINARY & GENERAL                                                                                             | LS   | 1        |      |        |           |
| 13...                     | EXTRAORDINARY CONSTRUCTION COSTS                                                                                  |      |          |      |        |           |
| <b>Total Project Cost</b> |                                                                                                                   |      |          |      |        |           |