

**REHABILITATION OF SWARTKLIP ROAD BETWEEN SPINE ROAD AND JAPHTA K MASEMOLA ROAD**  
**SCHEDULE B: ROADWORKS**

SECTION 9.1

| Item                             | Description                                                                                                                            | Unit      | Quantity  | Rate | Amount<br>(Rand) |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|------|------------------|
| <b>C9.1</b>                      | <b>ASPHALT LAYERS</b>                                                                                                                  |           |           |      |                  |
| <b>C9.1.1</b>                    | <b>Asphalt mix designs</b>                                                                                                             |           |           |      |                  |
| C9.1.1.2                         | Sand skeletal mixes:                                                                                                                   |           |           |      |                  |
|                                  | (a) Continuously graded base or surfacing                                                                                              |           |           |      |                  |
|                                  | (i) 30mm thickness, Continuously graded surfacing (PG58S-22, 7.1mm NMPS, Level IA Design)                                              | Lump sum  | 1.00      |      | -                |
|                                  | (ii) 40mm thickness, Continuously graded surfacing (PG58H-22, 10mm NMPS, Level II Design)                                              | Lump sum  | 1.00      |      | -                |
|                                  | (iii) 80mm thickness, Continuously graded base (PG58H-22, 20mm NMPS, Level II Design)                                                  | Lump sum  | 1.00      |      | -                |
| <b>C9.1.3</b>                    | <b>Application of bond coat:</b>                                                                                                       |           |           |      |                  |
| C9.1.3.1                         | Stable – grade 30 % net bitumen emulsion as specified. Applied with a calibrated distributor                                           | litre (l) | 85,728.00 |      | -                |
| C9.1.3.2                         | Applied in restricted areas using a portable pressure sprayer                                                                          | litre (l) | 7,788.00  |      | -                |
| <b>C9.1.4</b>                    | <b>Asphalt base:</b>                                                                                                                   |           |           |      |                  |
| C9.1.4.2                         | Rehabilitation:                                                                                                                        |           |           |      |                  |
|                                  | (c) Sand skeletal mix – continuously graded as defined (state layer thickness, binder type, design class/ level and placing technique) |           |           |      |                  |
|                                  | (i) 80mm thickness, Continuously graded base, PG58H-22, 20mm NMPS, Design Class = H, Level II Mix Design, paver laid)                  | tonne (t) | 11,670.00 |      | -                |
| <b>C9.1.5</b>                    | <b>Asphalt surfacing:</b>                                                                                                              |           |           |      |                  |
| C9.1.5.2                         | Rehabilitation:                                                                                                                        |           |           |      |                  |
|                                  | (e) Sand skeletal mix, continuously graded as defined                                                                                  |           |           |      |                  |
|                                  | (i) 30mm thickness, Continuously graded surfacing, PG58S-22, 7.1mm NMPS, Design Class = S, Level IA, Mix Design, placed by hand)       | tonne (t) | 825.00    |      | -                |
|                                  | (ii) 40mm thickness, Continuously graded surfacing, PG58H-22, 10mm NMPS, Design Class = H, Level II Mix Design, paver laid)            | tonne (t) | 6,050.00  |      | -                |
| <b>C9.1.10</b>                   | <b>Variation rates</b>                                                                                                                 |           |           |      |                  |
| C9.1.10.1                        | (a) 50/70 penetration grade bitumen                                                                                                    | tonne (t) | 5.00      |      | -                |
|                                  | (b) Styrene-butadiene-styrene (SBS) modified bitumen                                                                                   | tonne (t) | 10.00     |      | -                |
| C9.1.10.2                        | Aggregate                                                                                                                              | tonne (t) | 20.00     |      | -                |
| Total Carried Forward to Summary |                                                                                                                                        |           |           |      | -                |