**R20 PAVEMENT GENERAL**

**Table 1 Pavement Configuration for Plane and Reinstatement Work**

|  |  |
| --- | --- |
| **PAVEMENT TREATMENT** | **ASPHALT REINSTATEMENT (LAYER CONFIGURATION)** |
| Type 1 | Type A |
| Type 2 | Type A  Type A or Type B |
| Type 3 | Type A  Type E1 |
| Type 4 | Type A  Type E  Type F1 |
| Type 5 | Type A  Type E  Type F1  Type H |
| Type 6 | Type A  Type E1  Type F  Type G |

1 Lay in two layers if necessary.

**Table 2 Pavement Layer Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **LAYER** | **NOMINAL COMPACTED THICKNESS** | **MATERIAL** | **COMMENT** |
| Asphalt Type A | 35 mm | AC10 |  |
| Asphalt Type B | 45 mm | AC14 |  |
| Asphalt Type C | 30 mm | OG10 SAMI | Surface course only |
| Asphalt Type D | 35 mm | OG14 SAMI | Surface course only |
| Asphalt Type E | 45 mm | AC14 | Layer thickness greater than 45 mm to be installed in two equal layers |
| Asphalt Type F | up to 80 mm | AC20 | Layer thickness greater than 80 mm to be installed in two equal layers |
| Asphalt Type G (if directed by the Superintendent) | 50 mm | AC14HB (high bitumen) | - |
| Asphalt Type H (if directed by the Superintendent) | 125 mm | AC28 | - |
| Asphalt Type I | 25 mm | SMA7 | Surface treatment only |
| Asphalt Type J | 35 mm | SMA10 | Surface treatment only |

Layers may be modified with polymer complying with Part R25 "Supply of Bituminous Materials".

Set out for the works will be marked on the appropriate section of the road.

**Table 3 Pavement Configuration for Overlays**

|  |  |  |
| --- | --- | --- |
| **PAVEMENT TREATMENT** | DEPTH OF OVERLAY | **PAVEMENT LAYER**  **CONFIGURATION** |
| Type 10 | 35 mm | Type A |
| Type 11 | 45 mm | Type A SAMI |
| Type 12 | 40 mm | Type C SAMI |
| Type 13 | 45 mm | Type D SAMI |
| Type 14 | 25 mm | Type I |
| Type 15 | 35 mm | Type J |

**Table 4 Pavement Layer Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **LAYER** | **NOMINAL COMPACTED THICKNESS** | **MATERIAL** | **COMMENT** |
| Asphalt Type A | 35 mm | AC10\* | Surface treatment only |
| Asphalt Type C | 30 mm | OG10\* | Surface treatment only |
| Asphalt Type D | 35 mm | OG14\* | Surface treatment only |
| Asphalt Type I | 25 mm | SMA7\* | Surface treatment only |
| Asphalt Type J | 35 mm | SMA10\* | Surface treatment only |
| SAMI | 10 mm | SB5 | SA 10-7 Aggregate |

\* Layers may be modified with polymer complying with Part R25 "Supply of Bituminous Materials".

Notwithstanding this thickness requirement and tolerance, where Pavement Types 10 and 11 surface course is to be laid adjacent to kerb and gutter, the surface course shall be constructed to the top of the gutter lip to within a tolerance of + 5, - 0 mm.

Kerb and Gutter Abutting New Pavement MS220-1

**NOTE:**

1. Drawing not to scale. Diagram is for illustration only.

2. All dimensions in millimetres.

3. Kerb and gutter may need to be recessed into subbase to achieve required cross section. Refer to Specification for details.

4. Indicates where control given in Geometric Details.

400

Subbase

Asphalt Wearing Course

Refer to Specification

For Backfill

Asphalt Wearing Course

Base

Refer to Specification for Backfill

Refer Note 3

400

Open Graded Asphalt Wearing Course

600

Asphalt Base

Subbase

See Note 3

Open Graded AC

400

400 along straights

500 along curves

Footpath

AC Wearing Course

Backfill

Existing Pavement

Asphalt Infill

Kerb and Gutter footing (150 mm N10)

Saw cut existing pavement

AC Wearing Course

400 along straights

500 along curves

400

Open Graded AC

Footpath

Levelling Course

600

Backfill

Asphalt Infill

Existing Pavement

Kerb and Gutter footing (150 mm N10)

Saw cut existing pavement

Open Graded AC

**NOTE:**

1. Drawing not to scale.

2. All dimensions in millimetres.

3. Diagram for illustration only.

4. Refer to Specification for details of:

Backfill

Pavement

Asphalt infill

Kerb and Gutter footing.

5.  Indicates where control given in Geometric Details.

Kerb and Gutter Abutting Existing Pavement MS220-2