

**BAHAGIAN 3.15 : ROADS AND PAVINGS (CLASS Q)**

BIL	KETERANGAN KERJA	UNIT	PURATA KADAR HARGA 2013 (RM)			
			KAWASAN UTARA	KAWASAN TENGAH	KAWASAN TIMUR	KESELURUHAN
<b>SUBGRADE PREPARATION</b>						
1	Preparation of formation level.	m2	2.20	2.40		2.30
2	Stabilised sub-base in proportion of approved sand as per drawing in 50mm thick.	m3	45.00	48.36		46.68
<b>SUBGRADE</b>						
3	150mm thick Sub-base (CBR > 30%).	m2	41.32	42.80		42.06
4	To carry out CBR test for the SUBBASE in accordance to BS 1377. Rate shall include sampling, material testing and reporting. The test results falling below the specified value will not be paid.	no.		285.00		285.00
<b>ROADBASE</b>						
5	250mm thick crushed aggregate Roadbase (CBE > 80%).	m2	55.30	58.40		56.85
6	To carry out CBR test for the ROADBASE in accordance to BS 1377. Rate shall include sampling, material testing and reporting. The test results falling below the specified value will not be paid.	no.		290.00		290.00
7	Crushed aggregates as per drawing in 300 mm thick.	m3	55.3	50.25		52.78
<b>SURFACING</b>						
8	Bituminous prime coat SS-1 or SS-1K.	m2		1.50		1.50
9	50mm thick asphaltic concrete binder course ACB 28.	m2	24.20	22.80		23.50
10	Binder course, 60 mm thick.	m2		27.73		27.73
11	Bituminous Tack Coat.	m2	2.20	1.30		1.75
12	Wearing course 40 mm thick.	m2	23.30	22.32		22.81

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13	50mm thick asphaltic concrete wearing course ACW 20.	m2		23.10		23.10
14	12mm construction joint.	m		131.00		131.00
15	300mm Wide x 25mm Thick expansion joints compressible joint filler.	m		278.00		278.00
16	250mm Wide x 10mm Thick expansion joints compressible joint filler.	m		211.00		211.00
17	12mm x 20mm Deep saw-cut filled with plastic 99 joint selant.	m		60.00		60.00
<b>CONCRETE PAVEMENT</b>						
18	<u>Construction and completion of interlocking pavement for walkway as specified with finished fair on exposed surfaces, bedded, jointed and including all necessary work.</u> Interlocking pavement bedded with cement rendered.	m2		80.00		80.00
19	Precast Compress Concrete Slab 600mm x 800mm.	no.		59.00		59.00
20	Concrete Gutter Drain.	m		20.00		20.00
21	E- Drip.	no.		56.00		56.00
<b>KERBS, CHANNEL AND EDGINGS</b>						
22	<u>Construction and completion of cast insitu reinforced concrete kerb (1:2:4-20mm aggregate) as specified finished fair on exposed surfaces, bedded, jointed and including all necessary work, excavation, formwork and painting.</u> 300mm x 150mm x 600mm.	m		42.50		42.50
23	300mm x 150mm x 600mm ditto with scupper opening.	m		46.00		46.00

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<b>ROAD FURNITURE</b>						
24	Supply, deliver and install single face guardrails inclusive of galvanise steel posts, washers, nuts, delineators and accessories.	m		230.00		230.00
25	Supply, deliver and install traffic signboards.	no.		460.00		460.00
26	Supply, deliver and install JPS standard river signs.	no.		590.00		590.00
<b><u>ROAD MARKINGS</u></b>						
<u>Prepare and apply hot spray high intensity reflectorised thermoplastic material with Class 'A' solid glass.</u>						
27	Centre line/lane line 1000mm intermittent 100mm wide.	m	4.7	4.90		4.80
28	Continuous edge line/channelising line 150mm wide.	m		5.10		5.10
29	Double line in double continuous 100mm wide.	m	6.45	7.80		7.13
30	Stop line 300mm wide.	m		15.00		15.00
31	Pavement Arrow Marking, Straight and Right/Left turn.	no.		80.50		80.50
32	Brass plaque.	no.		1,400.00		1,400.00