

BAHAGIAN 3.13 : ROADS AND PAVINGS

Kawasan Utara - Perlis, Kedah, Pulau Pinang dan Perak
 Kawasan Tengah - Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan, Selangor dan Johor
 Kawasan Timur - Pahang, Terengganu dan Kelantan

BIL	KETERANGAN KERJA	UNIT	KAWASAN UTARA		KAWASAN TENGAH		KAWASAN TIMUR		KESELURUHAN	
			PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)
1	Scarify and excavate existing pavement and shoulder at proposed approach road, stockpile for re-use and dispose of at Contractor's own dumping ground.	m2					4.00	3.50 - 5.50	4.00	3.50 - 5.50
2	Subgrade Preparation Preparation of subgrade materials including levelling and compaction of the subgrade at the paver area to receive a sub base materials.	m2	5.60	3.00 - 8.00					5.60	3.00 - 8.00
3	Trim, level and grade to reduce level to form required cambers and gradients and roall to prepare sub-grade for road and hardstanding formation.	m2			1.25	1.00 - 2.00	2.65	1.00 - 4.50	1.95	1.00 - 4.50
4	Sub-base 50mm thick (consolidated thickness) of approved sand blanket spread, levelled, rolled and compacted to falls and cambers over road formation ready to receive crusher run as specified.	m2	4.75	3.00 - 7.50					4.75	3.00 - 7.50
5	Supply and spread 100mm thick compacted sand or other approved materials in blanket to sub-grade.	m2					6.00	3.10 - 7.00	6.00	3.10 - 7.00

BAHAGIAN 3.13 : ROADS AND PAVINGS

Kawasan Utara - Perlis, Kedah, Pulau Pinang dan Perak
 Kawasan Tengah - Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan, Selangor dan Johor
 Kawasan Timur - Pahang, Terengganu dan Kelantan

BIL	KETERANGAN KERJA	UNIT	KAWASAN UTARA		KAWASAN TENGAH		KAWASAN TIMUR		KESELURUHAN	
			PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)
6	Sub-base; 200mm thick sand	m2			13.00	9.00 - 19.00			13.00	9.00 - 19.00
7	Roadbase 300mm thick (consolidated thickness) graded crusher run spread, levelled and compacted to falls and cambers over road formation as specified.	m2	27.57	17.60 - 40.00	19.20	13.50 - 23.00			23.39	13.50 - 40.00
8	350mm thick (consolidated thickness) graded crusher run spread, levelled and compacted to falls and cambers over road formation as specified.	m2			25.12	21.00 - 29.75			25.12	21.00 - 29.75
9	Supply and spread 450mm (finished) thick crusher run or other approved materials in base course, including compaction in layer not exceeding 150mm thick as specified and/or directed by the S.O.	m2					27.00	17.00 - 32.00	27.00	17.00 - 32.00
10	Surfacing Prepare and apply one prime coat of approved bitumen spread on base course as specified.	m2	1.90	1.10 - 2.00	1.50	1.00 - 2.50	2.00	1.10 - 2.50	1.80	1.00 - 2.50
11	Prepare and apply one tack coat of approved bitumen spread on base course as specified.	m2	1.90	0.80 - 3.50	1.34	1.00 - 1.80	2.00	1.10 - 3.00	1.75	1.00 - 3.00

BAHAGIAN 3.13 : ROADS AND PAVINGS

Kawasan Utara - Perlis, Kedah, Pulau Pinang dan Perak
 Kawasan Tengah - Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan,
 Selangor dan Johor
 Kawasan Timur - Pahang, Terengganu dan Kelantan

BIL	KETERANGAN KERJA	UNIT	KAWASAN UTARA		KAWASAN TENGAH		KAWASAN TIMUR		KESELURUHAN	
			PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)
12	50mm thick dense bituminous macadam DBM 40	m2			22.83	19.00 - 28.90			22.83	19.00 - 28.90
13	38mm thick (finished) layer of bituminous asphaltic concrete wearing course (ACWC 18) spread, levelled and compacted to an even gradient and crossfalls with an approved roller as specified.	m2	26.00	15.00 - 55.00					26.00	15.00 - 55.00
14	Supply and spread 40mm (finished) thick asphaltic concrete wearing course (ACWC 20) laid and compacted according to Specifications.	m2					18.00	11.60 - 19.00	18.00	11.60 - 19.00
15	50mm thick asphaltic concrete wearing course ACW 20.	m2			22.94	20.00 - 26.80			22.94	20.00 - 26.80
16	50mm thick asphaltic concrete binder course ACB 28.	m2			22.08	19.00 - 25.80			22.08	19.00 - 25.80
17	60mm thick (finished) layer of bituminous asphaltic concrete binder course (ACBC 28) spread, levelled and compacted to an even gradient and crossfalls with an approved roller as specified.	m2	29.30	18.00 - 45.00			23.50	21.00 - 28.50	26.40	18.00 - 45.00

BAHAGIAN 3.13 : ROADS AND PAVINGS

Kawasan Utara - Perlis, Kedah, Pulau Pinang dan Perak
 Kawasan Tengah - Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan, Selangor dan Johor
 Kawasan Timur - Pahang, Terengganu dan Kelantan

BIL	KETERANGAN KERJA	UNIT	KAWASAN UTARA		KAWASAN TENGAH		KAWASAN TIMUR		KESELURUHAN	
			PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)
18	Expansion Joint Supply and fix in positions to form expansion joints to slab deck and approach slab	m					220.00	80.00 - 275.00	220.00	80.00 - 275.00
19	Prepare and apply hot spray thermoplastic road marking paint centre line/lane line 1000mm intermittent 100mm wide.	m			3.46	2.00 - 5.20			3.46	2.00 - 5.20
20	Supply an approved reflectorised thermoplastic materials conforming to B.S. 3262 and paint to form 100mm wide continuous double lines at the centre of bridge deck and approach road.	m					3.00	1.40 - 4.00	3.00	1.40 - 4.00
21	Prepare and apply hot spray thermoplastic road marking paint double line in double continuous 100mm wide .	m			6.55	4.00 - 10.30			6.55	4.00 - 10.30
22	Road Furniture Supply an approved reflectorised thermoplastic materials conforming to B.S. 3262 and paint to form 150mm wide continuous bridge/road edge line.	m					3.00	2.10 - 4.50	3.00	2.10 - 4.50
23	Prepare and apply hot spray thermoplastic road marking paint continuous edge line/channelising line 150mm wide.	m			5.01	3.00 - 7.70			5.01	3.00 - 7.70

BAHAGIAN 3.13 : ROADS AND PAVINGS

Kawasan Utara - Perlis, Kedah, Pulau Pinang dan Perak
 Kawasan Tengah - Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan, Selangor dan Johor
 Kawasan Timur - Pahang, Terengganu dan Kelantan

BIL	KETERANGAN KERJA	UNIT	KAWASAN UTARA		KAWASAN TENGAH		KAWASAN TIMUR		KESELURUHAN	
			PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)	PURATA (RM)	JULAT (RM)
24	Supply, deliver and install traffic signboards WD 24 (Caution)	no.			505.00	420.00 - 550.00			505.00	420.00 - 550.00
25	Supply, deliver and install JPS standard river signs	no.			380.90	200.00 - 463.50			380.90	200.00 - 463.50
26	<u>Access Road</u> Construction and completion of access road complete with 200mm to 300mm thick well compact crusher run, 100mm thick sand sub base, 1 layer of geotextile with 250kN/m tensile strength or equivalent trimming of slope and including excavation, filling, leveling, compaction and removal of surplus materials	m2					34.00	25.00 - 43.00		
27	<u>Service Road</u> Construction and completion of 3 m wide service road including preparation of subgrade surface, 150mm thk sand subbase, 250mm thk crusher run roadbase, cutback bitumen prime coat, tack coat and 60mm thk asphaltic binder course, 40mm thk asphaltic wearing course and all necessary spreading, levelling, compacting to fall and cambers.	m2			186.00	175.00 - 200.00			186.00	175.00 - 200.00