

Roads Provision Department

Pavement & Geo-Technical Engineering

Ref. No. : 2009/002

W.O. No. : 1136670

Asphalt Compaction Control

Contract No. :
 Source : MUCH ASPHALT Type"D"+ 10% R.A. + Rediset 2%
 Location : LEICESTER ROAD - GRIMSBY to PENDELBERRY
 Just before Pendelberry Robot with a section of +- 60meters not finished

Date Tested : 2009/06/03 Paved : 2009/06/02

Results to : Manager : Eric Lathleiff
1. Seelan Naidoo (OFP Room 205)
2. Herrick Naicker (DCAP)

Theoretical Maximum Density (Rice) (kg/m ³) :	2485	Specification Limit (Marshall) :	96.0
100% Marshall Density (kg/m ³) :	2340	Specification Limit (TMD) :	93.0

LEICESTER ROAD - SOUTHBOUND - BOTH LANES

k_a : 0.5

From : Chainage 628 **Gauge Mode :** NORMAL MODE - 45mm Odfset = 50kg
To : Chainage 961 **Time :** 10h00 - 12h30
 Length = 333m Width = 7.6m

Test No.	Length (m)	Width (m)	Density (kg/m ³)	Compaction (% Marshal)	Compaction (% TMD)
1	656.3	0.6	2383	101.8	95.9
2	721.6	4.6	2351	100.5	94.6
3	733.7	1.5	2369	101.2	95.3
4	798.8	7.1	2263	96.7	91.1
5	820.7	1	2303	98.4	92.7
6	883.4	2.2	2310	98.7	93.0
Average			2330	99.6	93.8
Sample Standard Deviation				1.95	1.83
Minimum Allowable Mean Compaction (%)				97.0	93.9
Compliance				Pass	Fail

MOUNTBATTEN DRIVE - BASE COURSE - FAST LANE

From : Paver Joint **Gauge Depth :** NORMAL MODE
To : Paver **Time :** 10h00 - 12h30

Test No.	Length (m)	Width (m)	Density (kg/m ³)	Compaction (% Marshal)	Compaction (% TMD)
1				0.0	0.0
2				0.0	0.0
3				0.0	0.0
4				0.0	0.0
5				0.0	0.0
6				0.0	0.0
7				0.0	0.0
Average				0.0	0.0
Sample Standard Deviation				0.00	0.00
Minimum Allowable Mean Compaction (%)				96.0	93.0
Compliance				Fail	Fail

MOUNTBATTEN DRIVE - BASE COURSE - FAST LANE

From : Paver Joint **Gauge Depth :** NORMAL MODE
To : Paver **Time :** 10h00 - 12h30

Test No.	Length (m)	Width (m)	Density (kg/m ³)	Compaction (% Marshal)	Compaction (% TMD)
1				0.0	0.0
2				0.0	0.0
3				0.0	0.0
4				0.0	0.0
5				0.0	0.0
6				0.0	0.0
7				0.0	0.0
Average				0.0	0.0
Sample Standard Deviation				0.00	0.00
Minimum Allowable Mean Compaction (%)				96.0	93.0
Compliance				Fail	Fail

Remarks :

1. Test locations determined through stratified random sampling.
- 2.

Signed : C.D.WARD
 Materials Tester : C.D. Ward