

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.

Location : LEICESTER ROAD MOBENI

Northbound - Inbound - Pendelberry Road to Grimsby Road

Date Tested : 2009/06/09 Paved : 2009/06/04

Results to : **Manager : Eric Lathleiff**

1. Seelan Naidoo (OFP Room 205)

2. Herrick Naicker (DCAP)

Theoretical Maximum Density (Rice) (kg/m³) :

2485

Specification Limit (Marshall) :

96.0

100% Marshall Density (kg/m³) :

2340

Specification Limit (TMD) :

93.0

k_a : 0.5

LEICESTER ROAD - INBOUND - BOTH LANES

From : Chainage 660meters

Gauge Mode : NORMAL MODE - 45mm Offset = 50kg

To : Chainage 960meters

Time : 13h30 - 15h15

Length = 300meters

Reading Time of Gauge = 0.5min

Width = 7.7meters

Test No.	Length (m)	Width (m)	Density (kg/m ³)	Compaction (% Marshal)	Compaction (% TMD)
1	666.2	1.9	2336	99.8	94.0
2	735.5	6.9	2313	98.8	93.1
3	778.3	0.9	2358	100.8	94.9
4	810.7	3.3	2323	99.3	93.5
5	857.8	1.9	2304	98.5	92.7
6	894.1	3.6	2396	102.4	96.4
7	924.4	0.9	2386	102.0	96.0
Average			2345	100.2	94.4
Sample Standard Deviation				1.53	1.44
Minimum Allowable Mean Compaction (%)				96.8	93.7
Compliance				Pass	Pass

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

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. **The last section of Acceptance testing done on Leicester Road.**

Signed : C.D.WARD

Materials Tester : C.D. Ward