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# **REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

Telegraphic Address: “MINWORKS”, Nairobi Materials Testing & Research Division Telephone: Nairobi 554950/3/4 Machakos Road, Industrial Area Fax: 554877 P.O. Box 11873 – 00400 E-mail: chiefengineer@mtrd.go.ke NAIROBI

Ref No. M.386/35/L/10 Date: 21st August, 2023

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**1. Customer’s Details:** COUNTY GOVERNMENT OF KIAMBU

**E-mail:** Not provided

**Address:** P.O BOX2344-00900 KIAMBU **Phone:** 0721485343

**2. Customer Contact:** 0721485343 6. **Job Card No.** 429/S/2023

**3. Sample Description:** Subgrade 3 Layer 7. **Date fee paid:** 18/08/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058682

**5. Date Sample received:** 18/08/2023 9. **Date Analysis started**: 18/08/2023

**10. Additional information provided by the customer: Kiambu Bus park**.

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| **Sample No.** | **Date tested** | **Chainage**  **(Km)** | **Position** | **Layer Thickness (mm)** | **Field dry density**  **Kg/m3** | **Field moisture content (%)** | **Max. dry density**  **T99**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** |
| **Kiambu Bus park Subgrade 3 Layer** | | | | | | | | | | |
| 220/S/23 | 18/08/23 | Entrance Bay | LHS | 150 | 1910 | 11.5 | 1884 | 12.4 | 101 | 93 |
| 221/S/23 | 18/08/23 | Twiga Bay | CL | 150 | 1891 | 10.9 | 1884 | 12.4 | 100 | 88 |
| 222/S/23 | 18/08/23 | Kaka  Bay | RHS | 150 | 1825 | 11.8 | 1884 | 12.4 | 97 | 95 |
| 223/S/23 | 18/08/23 | Matara Bay | CL | 150 | 1812 | 12.0 | 1884 | 12.4 | 96 | 89 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

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