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# **REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT FOR 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.982/35/L/10 Date: 30th November, 2023

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

**E-mail:** Not provided

**Address:** P.O. Box 21344-00900 KIAMBU **Phone:** 0721485343

**2. Customer Contact:** 0721485343 6. **Job Card No.** 1280/S/2023

**3. Sample Description:** Subbase Layer 7. **Date fee paid:** 29/11/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4388673

**5. Date Sample received:** 29/11/2023 9. **Date Analysis started**:29/11/2023

**10. Additional information provided by the customer: Construction and upgrading of Kikuyu lower 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**  **VH**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** |
| **KM 1+664-1+860 Base Layer Shoulders** | | | | | | | | | | |
| 766/S/23 | 29/11/2023 | 0+020 | LHS | 150 | 1720 | 14.8 | 1720 | 16.1 | 100 | 92 |
| 767/S/23 | 29/11/2023 | 0+020 | LHS | 150 | 1737 | 15.1 | 1720 | 16.1 | 101 | 94 |
| 768/S/23 | 29/11/2023 | 0+060 | RHS | 150 | 1737 | 15.0 | 1720 | 16.1 | 101 | 92 |
| 769/S/23 | 29/11/2023 | 0+080 | LHS | 150 | 1754 | 15.0 | 1720 | 16.1 | 102 | 93 |
| 770/S/23 | 29/11/2023 | 0+080 | RHS | 150 | 1720 | 14.7 | 1720 | 16.1 | 100 | 91 |
| 771/S/23 | 29/11/2023 | 0+090 | RHS | 150 | 1720 | 14.5 | 1720 | 16.1 | 100 | 90 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS**

**OiC Soils Laboratory CSE Soils Laboratory**

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