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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.1702/35/L/10 Date: 15th February, 2023

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**1. Customer’s Details:** RESIDENT ENGINEER KeNHA.

**E-mail:** rd.nairobi@kenha.co.ke

**Address:** P.O. Box 200-00507 NRB **Phone:** 0724967038

**2. Customer Contact:** 0724967038 6. **Job Card No.** 1720/S/2023

**3. Sample Description:** Wearing course Layer 7. **Date fee paid:** 10/02/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4127540

**5. Date Sample received:** 09/02/2023 9. **Date Analysis started**:09/02/2023

**10. Additional information provided by the customer:** Routine Maintenance and Spot Improvement of Isinya -Konza (JnA8/B50) Road.

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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**  **T180**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** |
| Wearing course Km10+932-11+852 | | | | | | | | | | |
| 678/S/22 | 9/2/2023 | 10+935 | RHS | 149 | 1641 | 17.3 | 1632 | 18.0 | 101 | 96 |
| 679/S/22 | 9/2/2023 | 11+035 | CL | 148 | 1657 | 16.8 | 1632 | 18.0 | 103 | 93 |
| 680/S/22 | 9/2/2023 | 11+135 | LHS | 150 | 1670 | 15.8 | 1632 | 18.0 | 102 | 88 |
| 681/S/22 | 9/2/2023 | 11+235 | RHS | 148 | 1684 | 15.9 | 1632 | 18.0 | 103 | 88 |
| 682/S/22 | 9/2/2023 | 11+335 | CL | 150 | 1638 | 16.2 | 1632 | 18.0 | 100 | 90 |
| 683/S/22 | 9/2/2023 | 11+435 | LHS | 150 | 1667 | 15.9 | 1632 | 18.0 | 102 | 88 |
| 684/S/22 | 9/2/2023 | 11+535 | CL | 149 | 1644 | 16.6 | 1632 | 18.0 | 101 | 92 |
| 685/S/22 | 9/2/2023 | 11+635 | RHS | 148 | 1627 | 15.6 | 1632 | 18.0 | 100 | 89 |
| 686/S/22 | 9/2/2023 | 11+735 | LHS | 150 | 1654 | 14.8 | 1632 | 18.0 | 101 | 82 |
| 687/S/22 | 9/2/2023 | 11+840 | CL | 150 | 1667 | 15.0 | 1632 | 18.0 | 102 | 83 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory.**

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