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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.662/35/L/10 Date: 2nd October, 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:** 0713141871

**2. Customer Contact:** 0713141871 6. **Job Card No.** 733/S/2023

**3. Sample Description:** Wearing course 7. **Date fee paid:** 22/09/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058947

**5. Date Sample received:** 22/09/2023 9. **Date Analysis started**:22/09/2023

**10. Additional information provided by the customer: Routine Maintenance and Improvement of Namanga-Amboseli A5 Junction-Kimana (B54) 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 (%)** |
| **KM 23+000-28+100 Wearing course** | | | | | | | | | | |
| 397/S/23 | 22/09/23 | 23+300 | CL | 150 | 1956 | 7.5 | 2014 | 13.1 | 97 | 57 |
| 398/S/23 | 22/09/23 | 23+700 | RHS | 145 | 1903 | 7.2 | 2014 | 13.1 | 94 | 55 |
| 399/S/23 | 22/09/23 | 24+000 | LHS | 150 | 2093 | 8.5 | 2014 | 13.1 | 104 | 65 |
| 400/S/23 | 22/09/23 | 24+400 | CL | 150 | 1961 | 8.4 | 2014 | 13.1 | 97 | 64 |
| 401/S/23 | 22/09/23 | 24+800 | RHS | 150 | 1934 | 7.9 | 2014 | 13.1 | 96 | 60 |
| 402/S/23 | 22/09/23 | 26+100 | LHS | 150 | 1844 | 8.0 | 1852 | 11.8 | 100 | 68 |
| 403/S/23 | 22/09/23 | 26+500 | RHS | 150 | 1898 | 8.9 | 1852 | 11.8 | 102 | 74 |
| 404/S/23 | 22/09/23 | 26+900 | CL | 130 | 1867 | 7.3 | 1852 | 11.8 | 101 | 62 |
| 405/S/23 | 22/09/23 | 27+300 | LHS | 133 | 1913 | 7.5 | 1852 | 11.8 | 103 | 64 |
| 406/S/23 | 22/09/23 | 27+700 | RHS | 125 | 1938 | 7.8 | 1852 | 11.8 | 105 | 66 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS**