

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.418/35/L/10 Date: 23rd August, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** WEBCON TECHNICAL SERVICES LIMITED  **E-mail:** webcontslimited@gmail.com  **Address:** P.O BOX 48151-00100 NRB Phone: 0720348930  **2. Customer Contact:** 0720348930 6. Job Card No. 359/S/2023  **3. Sample Description:** Fill Material 7. Date fee paid: 14/08/2023  **4. Sampled by:** Client. 8. GOK MR No.4058619  **5. Date Sample received:** 14/08/2023 9. Date Analysis started:/08/2023  **10. Additional information provided by the customer:** Oloosuyian -Kona Baridi Bridge.     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T99** | | **CBR** | | | % Passing BS Sieve Size (mm) | | | | | | LL | PL | PI | LS | PM |  | OMC( % ) | 4days Soak  (%) | Swell(%) | | 20 | 10 | 5 | 2 | 0.425 | 0.075 | % | % | % | % |  | MDD Kg/m3 | | 196/S/23 | SAMPLE  A | 100 | 98 | 90 | 80 | 43 | 21 | 33 | 21 | 12 | 6 | 516 | 1770 | 12.3 | 19 | 0.2 | | **SOIL COMPOSITION: Gravel = 20%, Sand = 59%, Silt/clay =21%** | | | | | | | | | | | | | | | | 197/S/23 | SAMPLE  B | 100 | 94 | 85 | 75 | 33 | 13 | 29 | 21 | 8 | 4 | 264 | 1792 | 9.7 | 24 | 0.2 | | **SOIL COMPOSITION: Gravel = 25%, Sand = 62%, Silt/clay =13%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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