



COUNTY GOVERNMENT OF LAIKIPIA

CONTRACT FOR

UPGRADING OF RUMURUTI TOWN ROADS AND BUS PARK TO COBBLE STONE FINISH (KIHKA KIMANI ROAD, G.G KARIUKI ROAD, SOLOMON KIGURU ROAD & RUMURUTI BUS PARK).



PROGRESS REPORT No.8 – JUNE 2020

**COUNTY GOVERNMENT OF LAIKIPIA
P O BOX 1271 -10400
NANYUKI, KENYA**

**CGP CONSULTING ENGINEERS LTD
P. O Box 58911-002000,
NAIROBI, KENYA**

1. EXECUTIVE SUMMARY

1.0 GENERAL

Location of project

The project roads are located in Rumuruti town in Laikipia County. The Works comprise the CONSTRUCTION OF RUMURUTI TOWN ROADS AND BUS PARK TO COBBLE STONE FINISH (KIHKA KIMANI ROAD, G.G KARIUKI ROAD, SOLOMON KIGURU ROAD AND RUMURUTI BUS PARK).

In general the project roads comprises of the following:

- i). GG KARIUKI STREET- the road starts from the main Rumuruti - Nanyuki highway and runs to join Solomon Kiguru road. The road is approximately 320m.
- ii). SOLOMON KIGURU ROAD- the road starts at the Rumuruti - Maralal road, and runs southwards ending at the start of Kihika Kimani Street. The road is approximately 220m.
- iii). KIHKA KIMANI STREET- the road runs from Solomon Kiguru road and ends at the main Rumuruti – Nanyuki road. The road is approximately 320m
- iv). RUMURUTI BUS PARK -The existing bus park is currently in use and to gravel standard, with shops and booking offices located within the proposed site.

The total length of the project roads including the bus park is approximately 1.2km.

The main economic activities in Rumuruti and its environment are crop farming, livestock rearing, tourism, retail and wholesale trade.

2.0 SCOPE OF WORKS

The major works to be executed under the Contract comprise mainly of but are not limited to the following:

1. Provision of facilities to the supervising Engineers.
2. Site clearance and top soil removal.
3. Earthworks.
4. Construction of subgrade to a compacted thickness of 150mm as shown on the drawing or as instructed by the Engineer.
5. Construction of 150mm gravel Subbase of minimum CBR of 30% (G30) on carriageway and foot paths or as instructed by the Engineer.
6. Construction of 50mm compacted bedding with 2-5mm aggregates on carriageway and foot paths or as instructed by the Engineer.
7. Installation of 150mm fair faced cobble stones on carriageway and foot paths or as instructed by the Engineer.
8. The carriageway shall be 6.0m wide with foot paths (1.5m wide both sides) constructed with the material and thickness as above.
9. Construction of standard pipe culverts and improvement of other drainage and soil erosion protection works.
10. Relocation of services found necessary.
11. Installation of road furniture.
12. Installation of street lights.
13. Maintenance of passage of traffic through and around the works.
14. Maintenance of works during construction and during the defects liability period. Any other activity not listed above in either category but deemed to be necessary by the Engineer shall be subject to the Engineer's formal instructions and within the mode of payment stipulated either by day-works or on a measured basis.

3.0 CONTRACT DATA

Project Title	Construction of Rumuruti Town Roads and Bus Park to Cobble Stone finish (Kihika Kimani Road, GG Kariuki Road, Solomon Kiguru Road and Rumuruti Bus Park).
Location	Rumuruti Town, Laikipia County
Project Funding	Kenya Urban Support Program County Government of Laikipia
Employer	County Government of Laikipia
Implementing Agency	Department of Land, Infrastructure & Urban Development, County Government of Laikipia.
Engineer	Chief Officer, Dept of Land, Infrastructure & Urban Development, County Government of Laikipia.
Supervision	CGP Consulting Engineers
Contractor	Wenwee Contractors Ltd
Scope of Works	Upgrading to Cobble Stone Finish
Contract Length	1.2 km
Contract Sum	Kshs. 46,751,729.00
Variation of price(Addendum 1)	Kshs. 755,829.77 (1.62% of the Contract price)
Revised Contract sum	Kshs. 47,507,558.77
Advance Payment	Kshs. 0.0
Amount of Liquidated damages	Kshs 5,000 per day
Limit of liquidated Damages	2% of contract value
Percentage of retention	6% of IPC
Limit of retention money	6% of contract sum
Contract Period	4 Months
Commencement period	25/09/2019
Completion Date	24 th January, 2020
Extension of time awarded-Claim 1	45 days
Revised Contract period	165 days
Defects Liability Period	3 Months
Revised completion date	13 th March, 2020
Consultant fee Claimed	Kshs. 3,594,802.07
Amount Certified to Date	Kshs. 31,898,507.85
Time Elapsed	9 months(163% of the revised Contract Period)
Cobble Stone Finish Achieved	10511.00m ² (100% complete)
Overall physical progress	99.9%

4.0 Mobilisation

a) Contractor mobilisation

The Contractor has mobilised for the works considerable equipment and human resources and he has established his offices on site.

The contractor has mobilised the following personnel;

- i). General Manager
- ii). 1 No. Foreman
- iii). 1 No. Surveyor
- iv). 1 No. Leveller
- v). 3 No. Chainmen
- vi). 1No. Operators
- vii). 2 No. Drivers
- viii). Labourers

The Contractor has mobilised to site the following equipment's for works execution.

- i). 1 No. Excavators
- ii). 1 No. Road marking machine
- iii). 1 No. Tippers
- iv). 1 No. Pick-up vehicles
- v). 1 No. Heavy vibrating roller
- vi). 1 No. Water tanker

b) Consultant mobilisation

The R.E's office has been operational since August 2019 with the required personnel on board.

5.0 WORKS PROGRESS

i). Physical progress

The work progress as at 12th June 2020 is estimated at **99.9%** with period elapsed at **163%** of the revised Contract period. The progress achieved to date do not match the Contract period elapsed and therefore the project is behind schedule. The progress of the project has been negatively affected due to the ongoing COVID 19 pandemic and the prevailing government directives aimed at minimizing the spread of the virus in the Country.

The work done to date is summarised in the table below;

Table 1: Physical progress on GG Kariuki Street

Bill No.	Description	Road 1	Progress This month	Progress Total to date	% to date
4	Site clearance & Topsoil stripping				
i	Site clearance		0.0km	320m	100
ii	Top soil stripping		0.0km	320m	100
5	Earth Works				
i	Processing and Compaction of existing ground		0.0km	320m	100
ii	Fill layer processing		0.0m	150m	100
8	Culverts & drainage works				
i	Construction of 600mm culverts		0.0m	65.0	100
ii	Construction of 900mm culverts		0.0m	30.0m	100
12	Natural Gravel for Base and Subbase				
i	Subbase processing		0.0m	320m	100
ii	Installation of cobble stones		0.0 m ²	2310 m ²	100
20	Road furniture				
i	Road marking		320.0m	320.0m	100
	Overall progress				99.99%

Table 2: Physical progress on Solomon Kiguru Rd

Bill No.	Description	Road 2	Progress This month	Progress Total to date	% to date
4	Site clearance & Topsoil stripping				
i	Site clearance		0.0m	230m	100
ii	Top soil stripping		0.0m	230m	100
5	Earth Works				
i	Processing and Compaction of existing ground		0.0 km	230m	100
ii	Fill layer processing		0.0 km	100m	100
8	Culverts & drainage works				
i	Construction of 600mm culverts		0.0m	62.5m	100
ii	Construction of 900mm culverts		0.0m	0.0m	100
12	Natural Gravel for Base and Subbase				
i	Subbase processing		0.0m	230m	100
ii	Installation of cobble stones		0.0 m ²	2171 m ²	100
20	Road furniture				
i	Road marking		230.0	230.0m	100
	Overall progress				99.99%

Table 3: Physical progress on Kihika Kimani Rd

Bill No.	Description	Road 5	Progress This month	Progress Total to date	% to date
4	Site clearance & Topsoil stripping				
i	Site clearance		0.0m	320m	100
ii	Top soil stripping		0.0m	320m	100
5	Earth Works				
i	Processing and Compaction of existing ground		0.0m	320m	100
ii	Fill layer processing		0.0 km	0.6 km	100
8	Culverts & drainage works				
i	Construction of 600mm culverts		0.0m	40.2m	100
ii	Construction of 900mm culverts		0.0m	53.5m	100
12	Natural Gravel for Base and Subbase				
i	Subbase processing		0.0m	320m	100
ii	Installation of cobble stones		0.0 m ²	2900 m ²	100
20	Road furniture				
i	Road marking		320.0m	320.0m	100
	Overall progress				99.99%

Table 4: Physical progress on the Bus Park

Bill No.	Description	Bus Park	Progress This month	Progress Total to date	% to date
4	Site clearance & Topsoil stripping				
i	Site clearance		0.0m	0.0	100
ii	Top soil stripping		0.0m	300.0m	100
5	Earth Works				
i	Processing and Compaction of existing ground		0.0m	300.0m	100
ii	Fill layer processing		0.0m	0.0m	100
8	Culverts & drainage works				
i	Construction of 600mm culverts		0.0m	0.0m	100
ii	Construction of 900mm culverts		0.0m	0.0m	100
12	Natural Gravel for Base and Subbase				
i	Subbase processing		0.0m	469.0 m ³	100
ii	Installation of cobble stones		0.0 m ²	3130 m ²	100
20	Road furniture				
i	Road marking		300.0m	300.0m	100
ii	Bus park shed				10
	Overall progress				99.0%

iii) Supervision activities**a) The Resident Engineer Office**

The R.E's office has been operational since August 2019 with the required personnel on board.

b) Design and Soil alignment tests

- ✓ Soil alignment tests has been completed for the 1.1 km.
- ✓ Design review completed.

c) Material testing and quality control

Materials testing and quality control tests are being conducted at the Ministry of Transport and Infrastructure, Nyeri Regional Materials Laboratory.

iv) Health and Safety on site

The Contractor has been requested to engage a health and safety officer on site who will be conducting training and ensure compliance to the statutory safety policy.

6.0 FINANCIAL STATUS

a) Contractor

To date the Contractor has raised three (3 Nos) Interim Payment Certificate (IPC) amounting to **Kshs. 31,898,507.85** for payment.

The table below shows the Interim payment certificate certified by the Resident Engineer for payment and the status of payment.

IPC No.	Amount (kshs)	Cumm Amount	Date Submitted	Payment Status
1	6,065,352.92	6,065,352.92	20/12/2019	Paid
2	13,134,348.65	19,199,701.57	11/3/2020	Paid
3	12,698,806.28	31,898,507.85	3/4/2020	Paid

b) Consultant

To date the Consultant has raised three (3) Payment Certificate amounting to **Kshs. 3,594,802.07**

The table below shows the invoices raised by the Consultant for payment and their status.

IPC No.	Amount (kshs)	Cumm Amount	Date Submitted	Payment Status
1	1,094,808.00	1,094,808.00	20/11/2019	Paid
2	1,368,510.00	2,463,318.00	13/12/2019	Paid
3	1,131,484.07	3,594,802.07	10/03/2020	Paid

7.0 CONTRACTUAL ISSUES

i) Programme of works

The Contractor submitted his program of work and cash flow projections to the Employer as required.

ii) Insurance for the works.

The all risk insurance policy for the works is effective pursuant to the Contract provisions.

iii) Site Agent

The Contractor has engaged a Deputy Site Agent who is in charge of all operations on site.

iv) NEMA Licence

The National Environment Management Authority (NEMA) License for the project was issued on 7th October 2019.

The Contractor submitted his Environmental Management Plan for monitoring his activities to ensure compliance to conditions given under the licence.

ANNEX 1

PROGRESS PHOTOS



Figure 1: Pedestrians & Motorists enjoying the ride along the completed Kihika Kimani Road



Figure 2: Completed Solomon Kiguru Road.



Figure 3: Completed Kihika Kimani Road.



Figure 4: Completed GG Kariuki Street



Figure 5: Completed street lighting along Kihika Kimani Road



Figure 6: Installation of solar powered street lighting at the bus park ongoing.



Figure 7: Nearly complete bus park.



Figure 8: Well aligned and stone pitched side drain along Solomon Kiguru Road.