Summary from the Improvement Plan - Batch 2
SOSIAN MOUWARAK BATCH 2

Item		04-50-003	04-50-004	04-50-006	04-50-007	04-50-009	05-50-004	05-05-002	05-05-003
KM	Bush/Site Clearing M2					Grubbing	ETL	Drains m3	
	Light	Heavy	Total	200-450	>450	m^2	m^3	Soft	Hard
1	8,000	800	8,800	-	-	7,000	10	1,874	187
2	8,000	800	8,800	-	-	7,000	10	1,744	174
3	8,000	800	8,800	-	-	7,000	10	1,561	156
4	8,000	800	8,800	-	-	7,000	10	1,420	142
5	8,000	800	8,800	-	-	7,000	10	2,392	239
6	8,000	800	8,800	-	-	7,000	10	2,392	239
7	8,000	800	8,800	-	-	7,000	10	2,392	239
8	8,000	800	8,800	-	-	7,000	10	2,392	239
9	8,000	800	8,800	-	-	7,000	10	2,392	239
10	8,000	800	8,800	-	-	7,000	10	2,392	239
11	8,000	800	8,800	-	-	7,000	10	2,392	239
12	4,800	480	5,280	-	-	4,200	10	1,507	151
Total	**92,800**	**9,280**	**102,080**	**-**	**-**	**81,200**	**120**	**24,853**	**2,485**

Item	08-60-025					08-80-001	08-60-019 & 08-60-020			08-50-005	08-50-006	08-70-009		10-60-001
KM	CULVERTS(M)			Type (No)			T1 No	T2 No	T4 No	MITRE	C/ W	S/ C		Gravel (150mm)
	900	600	Total	CD	AC	AD				No	m	L No	R No	m3
1	16	-	16	2	-	-	2	2	-	-	-	-	-	720
2	27	-	27	4	-	-	4	4	-	-	-	-	-	720
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	720
5	27	7	34	5	-	-	5	5	-	-	-	-	-	720
6	8	-	8	1	-	-	1	1	-	-	-	-	-	-
7	7	-	7	1	-	-	1	1	-	-	-	-	-	720
8	12	-	12	2	-	-	2	2	-	-	-	-	-	720
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	8	-	8	1	-	-	1	1	-	-	-	-	-	720
11	15	-	15	2	-	-	2	2	-	-	-	-	-	720
12	-	-	-	-	-	-	-	-	-	-	-	-	-	360
Total	**122**	**7**	**128**	**18**	**-**	**-**	**18**	**18**	**-**	**-**	**-**	**-**	**-**	**6,120**

Road Improvement Plan Road No. County Laikipia From: 0+000 To: 1+000 Page: 1

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Quantity Asssessment	Road No.	County	Laikipia	From:	0+000	To:	1+000	Page:	1

Chainage:	0+000	0+200	0+400	0+600	0+800	1+000

Measurements for Clearing:	Aver. (m)	1 to 4 readings*)																												
												Free Clearance Width for Calculating areas																		
																								Aver. (m)	1 to 4 readings*)					
Bush Clearing	8	8		8		m	8	8		8		m	8	8		8		m	8	8		8		m	8	8		8		m
Grass Cutting						m						m						m						m						m
Grubbing	7	7		7		m	7	7		7		m	7	7		7		m	7	7		7		m	7	7		7		m
0 Tree and Stump Removal	0					m	0					m	0					m	0					m	0					m

*) Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:												Height of Cut for calculating volumes																		
Height of cut < 0.25m	6					cm	8					cm	14					cm	19					cm	19					cm
For Reshaping:												Difference in Level between Exist. Camber and Side Drain for calculating volumes																		
Existing Roads	9						24						28						17					cm	17					cm

Quantities										Total this page
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1,400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal	0	No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m	0	m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	443	m3 (insitu)	281	m3 (insitu)	238	m3 (insitu)	356	m3 (insitu)	356	1,674
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	Name:	Date:	Signature:
For the Employer	Name:	Date:	Signature:

Road Improvement Plan County Laikipia From: 1+000 To: 2+000 Page: 2

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Quantity Asssessment	County	Laikipia	From:	1+000	To:	2+000	Page:	2

Chainage:	1+000						1+200						1+400						1+600						1+800						2+000
Measurements for Clearing:		1 to 4 readings*)											**Free Clearance Width for Calculating areas**													Aver. (m)	1 to 4 readings*)				
Bush Clearing	8	8		8			m	8	8		8			m	8	8		8			m	8	8		8			m	8	8		8			m
Grass Cutting							m							m							m							m							m
Grubbing	7	7		7			m	7	7		7			m	7	7		7			m	7	7		7			m	7	7		7			m
0 **Tree and Stump Removal**	0						m	0						m	0						m	0						m	0						m

Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:															**Height of Cut for calculating volumes**																		
Height of cut < 0.25m							cm	14						cm							cm	16						cm	18						cm
For Reshaping:															**Difference in Level between Exist. Camber and Side Drain for calculating volumes**																		
Existing Roads	13							36							10							20						cm	28						cm

Quantities										Total this page
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	400	m3 (insitu)	151	m3 (insitu)	432	m3 (insitu)	324	m3 (insitu)	238	1,544
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	**Name:**	**Date:**	**Signature:**
For the Employer	**Name:**	**Date:**	**Signature:**

Road Improvement Plan County **Laikipia** From: **2+000** To: **3+000** Page: **3**

| Chainage | | |

Quantity Asssessment	County	Laikipia	From:	2+000	To:	3+000	Page:	3

Chainage:	2+000							2+200					2+400						2+600						2+800						3+000
Measurements for Clearing:	####	1 to 4 readings*)											**Free Clearance Width for Calculating areas**													Aver. (m)	1 to 4 readings*)				
Bush Clearing	8	8			8			m	8	8		8		m	8	8		8			m	8	8		8			m	8	8		8			m
Grass Cutting								m						m							m							m							m
Grubbing	7	7			7			m	7	7		7		m	7	7		7			m	7	7		7			m	7	7		7			m
0 **Tree and Stump Removal**	0							m	0					m	0						m	0						m	0						m

Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:														**Height of Cut for calculating volumes**																		
Height of cut < 0.25m	23							cm	21					cm	8						cm							cm	8						cm
For Reshaping:														**Difference in Level between Exist. Camber and Side Drain for calculating volumes**																		
Existing Roads	30								21						3							29						cm	21						cm

Quantities										**Total this page**
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour		m3 (insitu)	313	m3 (insitu)	508	m3 (insitu)	227	m3 (insitu)	313	1,361
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	**Name:**	**Date:**	**Signature:**
For the Employer	**Name:**	**Date:**	**Signature:**

Road Improvement Plan County Laikipia From: 3+000 To: 4+000 Page: 4

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Quantity Asssessment	County	Laikipia	From:	3+000	To:	4+000	Page:	4

Chainage:	3+000						3+200						3+400						3+600						3+800						4+000
Measurements for Clearing:	####		1 to 4 readings*)										**Free Clearance Width for Calculating areas**													Aver. (m)	1 to 4 readings*)				
Bush Clearing	8	8		8			m	8	8		8			m	8	8		8			m	8	8		8			m	8	8		8			m
Grass Cutting							m							m							m							m							m
Grubbing	7	7		7			m	7	7		7			m	7	7		7			m	7	7		7			m	7	7		7			m
0 **Tree and Stump Removal**	0						m	0						m	0						m	0						m	0						m

Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:															**Height of Cut for calculating volumes**																		
Height of cut < 0.25m							cm	22						cm	7						cm	18						cm	8						cm
For Reshaping:															**Difference in Level between Exist. Camber and Side Drain for calculating volumes**																		
Existing Roads	16							36							44							18						cm	23						cm

Quantities										**Total this page**
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)	9	m3 (insitu)	4	13
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	367.2	m3 (insitu)	151	m3 (insitu)	65	m3 (insitu)	346	m3 (insitu)	292	1,220
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	**Name:**	**Date:**	**Signature:**
For the Employer	**Name:**	**Date:**	**Signature:**

Road Improvement Plan County Laikipia From: 4+000 To: 5+000 Page: 5

| Chainage | | |

Quantity Asssessment	County	Laikipia	From:	4+000	To:	5+000	Page:	5

Chainage:	4+000						4+200						4+400						4+600						4+800						5+000
Measurements for Clearing:		1 to 4 readings*)											**Free Clearance Width for Calculating areas**													Aver. (m)	1 to 4 readings*)					
Bush Clearing	8	8		8			m	8	8		8		m	8	8		8		m	8	8		8		m	8	8		8			m
Grass Cutting							m						m						m						m							m
Grubbing	7	7		7			m	7	7		7		m	7	7		7		m	7	7		7		m	7	7		7			m
0 **Tree and Stump Removal**	0						m	0					m	0					m	0					m	0						m

Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:													**Height of Cut for calculating volumes**																			
Height of cut < 0.25m	7						cm	9					cm						cm	1					cm	16						cm
For Reshaping:													**Difference in Level between Exist. Camber and Side Drain for calculating volumes**																			
Existing Roads	12							10						7						10					cm	8						cm

Quantities										**Total this page**
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	2,192
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	**Name:**	**Date:**	**Signature:**
For the Employer	**Name:**	**Date:**	**Signature:**

Road Improvement Plan County Laikipia From: 5+000 To: 6+000 Page: 6

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Quantity Asssessment	County	Laikipia	From:	5+000	To:	6+000	Page:	6

Chainage:	5+000						5+200						5+400						5+600						5+800						6+000					
Measurements for Clearing:			1 to 4 readings*)										**Free Clearance Width for Calculating areas**													Aver. (m)	1 to 4 readings*)									
Bush Clearing	8	8		8			m	8	8		8		m	8	8		8		m	8	8		8		m	8	8		8		m					m
Grass Cutting							m						m						m						m						m					m
Grubbing	7	7		7			m	7	7		7		m	7	7		7		m	7	7		7		m	7	7		7		m					m
0 **Tree and Stump Removal**	0						m	0					m	0					m	0					m	0					m					m

Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:														**Height of Cut for calculating volumes**																						
Height of cut < 0.25m	7						cm	9					cm						cm	1					cm	16					cm					cm
For Reshaping:														**Difference in Level between Exist. Camber and Side Drain for calculating volumes**																						
Existing Roads	12							10						7						10					cm	8					cm					cm

Quantities										**Total this page**
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	2,192
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	**Name:**	**Date:**	**Signature:**
For the Employer	**Name:**	**Date:**	**Signature:**

Road Improvement Plan County: Laikipia From: 6+000 To: 7+000 Page: 7

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Quantity Asssessment	County	Laikipia	From:	6+000	To:	7+000	Page:	7

Chainage:	6+000						6+200						6+400						6+600						6+800						7+000
Measurements for Clearing:		1 to 4 readings*)											**Free Clearance Width for Calculating areas**													Aver. (m)	1 to 4 readings*)					
Bush Clearing	8	8		8			m	8	8		8		m	8	8		8		m	8	8		8		m	8	8		8			m
Grass Cutting							m						m						m						m							m
Grubbing	7	7		7			m	7	7		7		m	7	7		7		m	7	7		7		m	7	7		7			m
0 **Tree and Stump Removal**	0						m	0					m	0					m	0					m	0						m

Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:													**Height of Cut for calculating volumes**																			
Height of cut < 0.25m	7						cm	9					cm						cm	1					cm	16						cm
For Reshaping:													**Difference in Level between Exist. Camber and Side Drain for calculating volumes**																			
Existing Roads	12							10						7						10					cm	8						cm

Quantities										**Total this page**
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	2,192
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	**Name:**	**Date:**	**Signature:**
For the Employer	**Name:**	**Date:**	**Signature:**

Road Improvement Plan County Laikipia From: 7+000 To: 8+000 Page: 8

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Quantity Asssessment	County	Laikipia	From:	7+000	To:	8+000	Page:	8

Chainage:	7+000						7+200						7+400						7+600						7+800						8+000
Measurements for Clearing:		1 to 4 readings*)											**Free Clearance Width for Calculating areas**													Aver. (m)	1 to 4 readings*)					
Bush Clearing	8	8		8			m	8	8		8		m	8	8		8		m	8	8		8		m	8	8		8			m
Grass Cutting							m						m						m						m							m
Grubbing	7	7		7			m	7	7		7		m	7	7		7		m	7	7		7		m	7	7		7			m
0 **Tree and Stump Removal**	0						m	0					m	0					m	0					m	0						m

Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:													**Height of Cut for calculating volumes**																			
Height of cut < 0.25m	7						cm	9					cm						cm	1					cm	16						cm
For Reshaping:													**Difference in Level between Exist. Camber and Side Drain for calculating volumes**																			
Existing Roads	12							10						7						10					cm	8						cm

Quantities										**Total this page**
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	2,192
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	**Name:**	**Date:**	**Signature:**
For the Employer	**Name:**	**Date:**	**Signature:**

Road Improvement Plan County **Laikipia** From: **8+000** To: **9+000** Page: **9**

| Chainage | | |

Quantity Asssessment	County	Laikipia	From:	8+000	To:	9+000	Page:	9

Chainage:	8+000						8+200						8+400						8+600						8+800						9+000
Measurements for Clearing:		1 to 4 readings*)											**Free Clearance Width for Calculating areas**													Aver. (m)	1 to 4 readings*)				
Bush Clearing	8	8		8			m	8	8		8		m	8	8		8		m	8	8		8		m	8	8		8		m
Grass Cutting							m						m						m						m						m
Grubbing	7	7		7			m	7	7		7		m	7	7		7		m	7	7		7		m	7	7		7		m
0 **Tree and Stump Removal**	0						m	0					m	0					m	0					m	0					m

Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:													**Height of Cut for calculating volumes**																		
Height of cut < 0.25m	7						cm	9					cm						cm	1					cm	16					cm
For Reshaping:													**Difference in Level between Exist. Camber and Side Drain for calculating volumes**																		
Existing Roads	12							10						7						10					cm	8					cm

Quantities										Total this page
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	2,192
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	**Name:**	**Date:**	**Signature:**
For the Employer	**Name:**	**Date:**	**Signature:**

Road Improvement Plan County **Laikipia** From: **9+000** To: **10+000** Page: **10**

| Chainage | | |

Quantity Asssessment	County	Laikipia	From:	9+000	To:	10+000	Page:	10

Chainage:	9+000						9+200						9+400						9+600						9+800						10+000	
Measurements for Clearing:		1 to 4 readings*)											**Free Clearance Width for Calculating areas**													Aver. (m)	1 to 4 readings*)					
Bush Clearing	8	8		8			m	8	8		8		m	8	8		8		m	8	8		8		m	8	8		8			m
Grass Cutting							m						m						m						m							m
Grubbing	7	7		7			m	7	7		7		m	7	7		7		m	7	7		7		m	7	7		7			m
0 **Tree and Stump Removal**	0						m	0					m	0					m	0					m	0						m

Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:													**Height of Cut for calculating volumes**																			
Height of cut < 0.25m	7						cm	9					cm						cm	1					cm	16						cm
For Reshaping:													**Difference in Level between Exist. Camber and Side Drain for calculating volumes**																			
Existing Roads	12							10						7						10					cm	8						cm

Quantities										**Total this page**
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	2,192
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	**Name:**	**Date:**	**Signature:**
For the Employer	**Name:**	**Date:**	**Signature:**

Road Improvement Plan County Laikipia From: 10+000 To: 11+000 Page: 11

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Quantity Asssessment	County	Laikipia	From:	10+000	To:	11+000	Page:	11

Chainage:	10+000						10+200						10+400						10+600						10+800						11+000	
Measurements for Clearing:		1 to 4 readings*)											**Free Clearance Width for Calculating areas**													Aver. (m)	1 to 4 readings*)					
Bush Clearing	8	8		8			m	8	8		8		m	8	8		8		m	8	8		8		m	8	8		8			m
Grass Cutting							m						m						m						m							m
Grubbing	7	7		7			m	7	7		7		m	7	7		7		m	7	7		7		m	7	7		7			m
0 **Tree and Stump Removal**	0						m	0					m	0					m	0					m	0						m

Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:													**Height of Cut for calculating volumes**																			
Height of cut < 0.25m	7						cm	9					cm						cm	1					cm	16						cm
For Reshaping:													**Difference in Level between Exist. Camber and Side Drain for calculating volumes**																			
Existing Roads	12							10						7						10					cm	8						cm

Quantities										**Total this page**
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	2,192
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	**Name:**	**Date:**	**Signature:**
For the Employer	**Name:**	**Date:**	**Signature:**

Road Improvement Plan | **County** | **Laikipia** | **From:** | **11+000** | **To:** | **11+549** | **Page:** | **12**

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Quantity Asssessment	County	Laikipia	From:	11+000	To:	11+549	Page:	12

Chainage:	11+000						11+200						11+400						11+549											
Measurements for Clearing:		1 to 4 readings*)											**Free Clearance Width for Calculating areas**													Aver. (m)	1 to 4 readings*)				
Bush Clearing	8	8		8			m	8	8		8		m	8	8		8		m						m						m
Grass Cutting							m						m						m						m						m
Grubbing	7	7		7			m	7	7		7		m	7	7		7		m						m						m
0 **Tree and Stump Removal**	0						m	0					m	0					m						m						m

Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:													**Height of Cut for calculating volumes**																	
Height of cut < 0.25m	7						cm	9					cm						cm						cm						cm
For Reshaping:													**Difference in Level between Exist. Camber and Side Drain for calculating volumes**																	
Existing Roads	12							10						7											cm						cm

Quantities										**Total this page**
Bush Clearing	1600	m2	1,600	m2	1,600	m2		m2		4,800
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2		m2		4,200
Tree and Stump Removal		No.	0	No.	0	No.		No.		0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)		m3 (insitu)		1,307
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verfied and accepted by the Contractor	**Name:**	**Date:**	**Signature:**
For the Employer	**Name:**	**Date:**	**Signature:**