

Summary from the Improvement Plan - 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	m²	m³	Soft	Hard
10	8,000	800		8,800	-	-	7,000	10	1,874	187
11	8,000	800		8,800	-	-	7,000	10	1,744	174
12	8,000	800		8,800	-	-	7,000	10	1,561	156
13	8,000	800		8,800	-	-	7,000	10	1,420	142
14	8,000	800		8,800	-	-	7,000	10	2,392	239
15	8,000	800		8,800	-	-	7,000	10	2,392	239
16	8,000	800		8,800	-	-	7,000	10	2,392	239
17	8,000	800		8,800	-	-	7,000	10	2,392	239
18	8,000	800		8,800	-	-	7,000	10	2,392	239
19	960	96		1,056	-	-	840	10	446	45
Total	72,960	7,296	-	80,256	-	-	63,840	100	19,008	1,901

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 No	C/ W	S/ C		Gravel (150mm) m3
	1200	900	600	450	Total	CD	AC	AD					m	L No	R No	
10	-	16	-	-	16	2	-	-	2	2	-	-	-	-	-	360
11	8	21	-	-	29	4	-	-	4	4	-	-	-	-	-	720
12	-	-	-	-	-	1	-	-	1	1	-	-	-	-	-	720
13	-	9	-	-	9	1	-	-	1	1	-	-	-	-	-	720
14	-	8	26	-	34	2	-	1	2	2	-	-	-	-	-	360
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	360
16	7	22	-	-	29	3	-	-	3	3	-	-	-	-	-	720
17	-	17	7	-	24	3	-	-	3	3	-	-	-	-	-	360
18	-	-	9	-	9	1	-	-	1	1	-	-	-	-	-	360
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86
Total	15	93	33	-	141	16	-	1	16	16	-	-	-	-	-	4,766

[illegible]

Quantity Assessment	Road No.	County	Laikipia	From:	0+000	To:	1+000	Page:	1
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Chainage:	0+000	0+200	0+400	0+600	0+800	1+000
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Measurements for Clearing:

	Aver. (m)	1 to 4 readings ^{*)}		
Bush Clearing	8	8	8	8
Grass Cutting				
Grubbing	7	7	7	7
0 Tree and Stump Removal	0			

Free Clearance Width for Calculating areas

	Aver. (m)	1 to 4 readings ^{*)}		
m	8	8	8	8
m				
m	7	7	7	7
m	0			

*) 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 < 0.25m	6	8	14	19	19
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For Reshaping:

Existing Roads	9	24	28	17	17
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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 verified and accepted by the Contractor

For the Employer

Name:

Name:

Date:

Date:

Signature:

Signature:

Quantity Assessment		County		Laikipia		From:		1+000		To:		2+000		Page:		2																																																																																																																																																					
Chainage:		1+000		1+200		1+400		1+600		1+800		2+000																																																																																																																																																									
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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																																																																																																																																							
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Quantities <table border="1"> <tr> <th colspan="10"></th> <th>Total this page</th> </tr> <tr> <td>Bush Clearing</td> <td>1600</td> <td>m2</td> <td>1,600</td> <td>m2</td> <td>1,600</td> <td>m2</td> <td>1,600</td> <td>m2</td> <td>1,600</td> <td>8,000</td> </tr> <tr> <td>Grass Cutting</td> <td></td> <td>m2</td> <td></td> <td>m2</td> <td></td> <td>m2</td> <td></td> <td>m2</td> <td></td> <td>0</td> </tr> <tr> <td>Grubbing</td> <td>1400</td> <td>m2</td> <td>1,400</td> <td>m2</td> <td>1,400</td> <td>m2</td> <td>1,400</td> <td>m2</td> <td>1,400</td> <td>7,000</td> </tr> <tr> <td>Tree and Stump Removal</td> <td></td> <td>No.</td> <td>0</td> <td>No.</td> <td>0</td> <td>No.</td> <td>0</td> <td>No.</td> <td>0</td> <td>0</td> </tr> <tr> <td colspan="10"></td> <td>0</td> </tr> <tr> <td>Height of cut < 0.25m</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>0</td> </tr> <tr> <td>Height of cut > 0.25m</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>0</td> </tr> <tr> <td>Embankment</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>0</td> </tr> <tr> <td>Drains full re-construction</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>0</td> </tr> <tr> <td>Reshaping by Labour</td> <td>400</td> <td>m3 (insitu)</td> <td>151</td> <td>m3 (insitu)</td> <td>432</td> <td>m3 (insitu)</td> <td>324</td> <td>m3 (insitu)</td> <td>238</td> <td>1,544</td> </tr> <tr> <td>By Towed Grader / Labour</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>0</td> </tr> <tr> <td>By Equipment Based Meth.</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>m3 (insitu)</td> <td></td> <td>0</td> </tr> </table>																												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					
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Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000																																																																																																																																																											
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Road Improvement Plan				County		Laikipia		From:		2+000		To:		3+000		Page:		3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Chain- age	(kilometres)		Road form.	(metres)		2+100	2+200	2+300	2+400	2+500	2+600	2+700	2+800	2+900	3+000	3+100	3+200	3+300	3+400	3+500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Earthworks / Reshaping	Method: RES, ETL or Fill		Total	Choice of reshaping: L, T or E		720	Thickness (cm,comp.)		Source (quarry No.)	Total	Thickness (cm,comp.)		Source (quarry No.)	Longitudinal gradient (in %)	Mitre drains	Catch water	Chainage (m) New / Existing line	CD	4	= Cross drainage								= Access culvert/drift	= Left/right	Ø 450 mm	Ø 600mm	Ø 900 mm	Ø 1200 mm	Earth fill (m3)	Haunch Type	Inlet (Material/Type)	Outlet (Material/Type)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	Volume of ETL or Fill (m3/m)			Thickness (cm,comp.)			Source (quarry No.)				Length of drain left =										Length of drain right =		Chainage (m) New / Existing line		Length (m)		Ramp											T4=2		T3=		T2=		T1=																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

Quantity Assessment		County		Laikipia		From:		2+000		To:		3+000		Page:		3	
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Chainage:		2+000		2+200		2+400		2+600		2+800		3+000	
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Measurements for Clearing:

###	1 to 4 readings*						
Bush Clearing	8	8			8		m
Grass Cutting							m
Grubbing	7	7			7		m
0 Tree and Stump Removal	0						m

Free Clearance Width for Calculating areas

Aver. (m)						1 to 4 readings*											
m	8	8	8			m	8	8	8			m	8	8	8		m
m						m						m					m
m	7	7	7			m	7	7	7			m	7	7	7		m
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 < 0.25m	23						cm	21					cm	8					cm	8					cm
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Height of Cut for calculating volumes

cm	8					cm	8				cm	8				cm
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For Reshaping:

Existing Roads	30						cm	21				cm	3				cm	29				cm	21				cm
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Difference in Level between Exist. Camber and Side Drain for calculating volumes

cm	21					cm	3				cm	29				cm
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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 verified and accepted by the Contractor

For the Employer

Name: _____ Date: _____ Signature: _____

Name: _____ Date: _____ Signature: _____

[illegible]

Quantity Assessment		County		Laikipia		From:		3+000		To:		4+000		Page:		4	
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Chainage:		3+000		3+200		3+400		3+600		3+800		4+000	
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Measurements for Clearing:

###	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	8	8	8		m	8	8	8		m					
Grass Cutting					m					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	7	7	7		m	7	7	7		m					
0 Tree and Stump Removal	0				m	0				m	0				m	0				m	0				m	0				m	0				m					

Free Clearance Width for Calculating areas

Aver. (m)		1 to 4 readings*)			
8	8	8			
7	7	7			
0	0				

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 < 0.25m						cm	22					cm	7					cm	18					cm	8					cm
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Height of Cut for calculating volumes

22	7	18	8
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For Reshaping:

Existing Roads	16						36						44						18						23					
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Difference in Level between Exist. Camber and Side Drain for calculating volumes

36	44	18	23
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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 verified and accepted by the Contractor

 For the Employer

Name: _____ Date: _____ Signature: _____

 Name: _____ Date: _____ Signature: _____

Quantity Assessment				County				Laikipia				From: 4+000				To: 5+000				Page: 5			
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Chainage:				4+000				4+200				4+400				4+600				4+800				5+000			
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Measurements for Clearing:

		1 to 4 readings*												
Bush Clearing	8	8		8			m	8	8		8			
Grass Cutting														
Grubbing	7	7		7				7	7		7			
0 Tree and Stump Removal	0							0						

Free Clearance Width for Calculating areas

		Aver. (m)						1 to 4 readings*												
m	8	8		8			m	8	8		8			m	8	8		8		m
	7	7		7				7	7		7				7	7		7		
	0							0							0					

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 < 0.25m	7						cm	9						cm	1								cm	16						cm
-----------------------	---	--	--	--	--	--	----	---	--	--	--	--	--	----	---	--	--	--	--	--	--	--	----	----	--	--	--	--	--	----

Height of Cut for calculating volumes

For Reshaping:

Existing Roads	12							10						7							10						cm	8					cm
----------------	----	--	--	--	--	--	--	----	--	--	--	--	--	---	--	--	--	--	--	--	----	--	--	--	--	--	----	---	--	--	--	--	----

Difference in Level between Exist. Camber and Side Drain for calculating volumes

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

Quantities verified and accepted by the Contractor

For the Employer

Name: _____ Date: _____ Signature: _____

Name: _____ Date: _____ Signature: _____

Road Improvement Plan				County	Laikipia	From:	5+000	To:	6+000	Page:	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Chain- age	(kilometres)		Road form.	(metres)		Earthworks / Reshaping	Gra- vel	Improved Subgrade	Longitudinal gradient (in %)	Mitre drains	Catch water	Culverts				Head- walls	Scour Checks	Additional Instruction as per Reference																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	Subgrade			Cross section								N/Ex	Chainage (m) New / Existing line	CD	4				= Cross drainage	AC	= Access culvert/drift	AD	0	= Left/right	Length (m)	Ø 450 mm	7	Ø 600mm	15	Ø 900 mm	21	Ø 1200 mm	Ramp	Earth fill (m3)	Haunch Type	T4=8	T3=	Inlet (Material/Type)	T2=1	T1=1	Outlet (Material/Type)	SM	0	= Material this sheet/ Spacing left (m) = Spacing right (m) = =Total No. this sheet																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Quantity Assessment				County				Laikipia				From: 5+000				To: 6+000				Page: 6			
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Chainage:				5+000				5+200				5+400				5+600				5+800				6+000			
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Measurements for Clearing:

		1 to 4 readings*)												
Bush Clearing	8	8		8			m	8	8		8			
Grass Cutting														
Grubbing	7	7		7				m	7	7		7		
0 Tree and Stump Removal	0								0					

Free Clearance Width for Calculating areas

		Aver. (m)						1 to 4 readings*)													
m	8	8		8			m	8	8		8			m	8	8		8			m
	7	7		7				7	7		7				7	7		7			
	0							0							0						

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 < 0.25m	7						cm	9						cm	1								cm	16						cm
-----------------------	---	--	--	--	--	--	----	---	--	--	--	--	--	----	---	--	--	--	--	--	--	--	----	----	--	--	--	--	--	----

Height of Cut for calculating volumes

For Reshaping:

Existing Roads	12							10						7							10						cm	8					cm
----------------	----	--	--	--	--	--	--	----	--	--	--	--	--	---	--	--	--	--	--	--	----	--	--	--	--	--	----	---	--	--	--	--	----

Difference in Level between Exist. Camber and Side Drain for calculating volumes

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

Quantities verified and accepted by the Contractor

For the Employer

Name: _____ Date: _____ Signature: _____

Name: _____ Date: _____ Signature: _____

Quantity Assessment				County				Laikipia				From: 6+000				To: 7+000				Page: 7			
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Chainage:				6+000				6+200				6+400				6+600				6+800				7+000			
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Measurements for Clearing:

		1 to 4 readings*)												
Bush Clearing	8	8		8			m	8	8		8			
Grass Cutting														
Grubbing	7	7		7				m	7	7		7		
0 Tree and Stump Removal	0								0					

Free Clearance Width for Calculating areas

		Aver. (m)						1 to 4 readings*)													
m	8	8		8			m	8	8		8			m	8	8		8			m
	7	7		7				7	7		7				7	7		7			
	0							0							0						

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 < 0.25m	7						cm	9						cm	1								cm	16						cm
-----------------------	---	--	--	--	--	--	----	---	--	--	--	--	--	----	---	--	--	--	--	--	--	--	----	----	--	--	--	--	--	----

Height of Cut for calculating volumes

For Reshaping:

Existing Roads	12							10						7							10						cm	8					cm
----------------	----	--	--	--	--	--	--	----	--	--	--	--	--	---	--	--	--	--	--	--	----	--	--	--	--	--	----	---	--	--	--	--	----

Difference in Level between Exist. Camber and Side Drain for calculating volumes

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

Quantities verified and accepted by the Contractor

For the Employer

Name: _____ Date: _____ Signature: _____

Name: _____ Date: _____ Signature: _____

[illegible]

Quantity Assessment		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:																Free Clearance Width for Calculating areas															
		1 to 4 readings*)														Aver. (m) 1 to 4 readings*)															
Bush Clearing		8	8		8		m	8	8		8		m	8	8		8		m	8	8		8		m						
Grass Cutting							m						m						m						m						
Grubbing		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						

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					8								

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 verified and accepted by the Contractor				Name:		Date:		Signature:	
For the Employer				Name:		Date:		Signature:	

Quantity Assessment				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:																				Free Clearance Width for Calculating areas																			
										1 to 4 readings*)																				Aver. (m) 1 to 4 readings*)									
Bush Clearing		8	8		8			m		8		8		8			m		8		8		8			m		8		8		8			m				
Grass Cutting								m									m									m								m					
Grubbing		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				

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	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	m2		1,600		8,000		
Grass Cutting			m2			m2			m2			m2			m2				0		
Grubbing		1400	m2		1,400	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	No.		0		0		
																			0		
Height of cut < 0.25m			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)				0		
Height of cut > 0.25m			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)				0		
Embankment			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)				0		
Drains full re-construction			m3 (insitu)			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)			m3 (insitu)				0		
By Equipment Based Meth.			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)				0		

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