

Revision and Errata List — February 2016

Cost Estimation Manual Vol. I — 1st Edition

The following list represents corrections to the First Printing of the Cost Estimation Manual Vol. I, 1st Edition. These corrections are incorporated in the Second Printing.

Edition I	Location	Description
Printed	Page v	Improve clarity on signature of the author of foreword, Eng. Patrick Mwinzi
Printed	Page 3; clause 1.4 Cost Structure for Estimation	The 2 nd sentence to read “The <u>Total</u> Project Cost consists of....”
	Page 24 & 25; Table 5-10 Km Standardized Quantities in a simple Quantity for Each Road Authority (2015)	Include “Note: Figures are from survey on the Paved Road” under table for KeNHA, KeNHA (2x2Lanes) and KURA. Include “Note: Figures are from survey on the Unpaved Road” under table for KeRRA and KWS
Printed	Page 23; Figure 5-3 Typical Section for Grass Cutting Maintenance Work	Replace this figure with the attached revised Figure 5-3 Typical Section for Grass Cutting Maintenance Works (page i)
Printed	Page 39; clause 5. Unit rates information (Database Table: Unit Price I)	Replace “10” with “11”
Printed	Page 40	Replace “10” with “11”
Printed	Page 57	Replace Form – 3 with the attached revised form – 3 (page ii)
Printed	Page 58	Replace Form – 3 with the attached revised form – 3 (page iii)

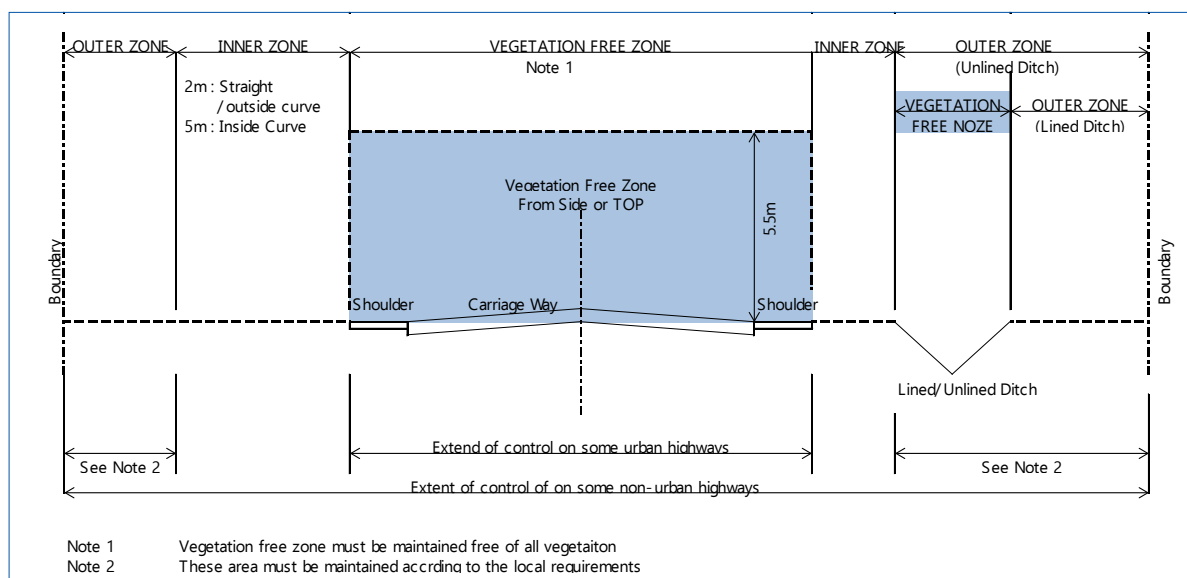


Figure 5 – 3 Typical Section for Grass Cutting Maintenance Work

Form-3

Productivity Survey Summary Form Labour Based Works

Location	Kerugoya	Client	KURA	Site	Kerugya - Hit Transporters	Weather	Sunny	Initial Mobilization Period / Routine Maintenance		No. 69
Width of Road Reserve (Wr)	12.50 m	Width of Carriage Way (Wc)	6 m	Left Lined Ditch (LL)	0 m	Right Lined Ditch (RL)	0 m	Total Length	0 m	Men
						Grass Cutting Width (GW)=(Wr)-(Wc)-(LL)-(RL)		Number of Labors	0	10/1/2015

Worked Items	Simple Quantity			Actual Quantity			Work Difficulty			Labour Input			SRUQ		Remarks (Equipment)			
	Q'ty	Unit	Remarks	Q'ty (Vol)	Unit	b	-Heavy -Normal -Light	Remark	c	nos	d	e	f	j=e x f		Man day	ps = j/7a	pa = j/7b
	nos		nos		nos		working hours											
1)																		
		m ²	GW x L		m ²										0			
		m ²	GW x L		m ²										0			
		Pcs			Pcs										0			
		m			m										0			
2)															0			
		Pcs			Pcs										0			
		m			m										0			
		Pcs			Pcs										0			
		m			m										0			
		Pcs			Pcs										0			
		m			m										0			
3)															0			
		Pcs			Pcs										0			
		Pcs			Pcs										0			
		Pcs			Pcs										0			
		Pcs			Pcs										0			
		m	L		m										0			
		m	L		m										0			
		m	L		m										0			
4)															0			
		15.5	L		15.5		normal					1	0.3333	0.3333	0.047614286	0.0030	0.0031	
		74.3	m ²	Lx0.5(m)	52.0		Heavy					2	0.667	1.334	0.190571429	0.0026	0.0037	
			m ²	Lx0.5(m)								3	1.0003	1.6673				
Total																		

Note:
 To use one sheet per day
 To fill only the number of workers who are engaged in PBC works
 Total number of workers or equipment shall tally the number of workers or equipment for PBC works on site.
 To specify structures to be maintained
 To fill the maintained Q'ty which includes places/areas that don't require any actual maintenance works

389 88006
272.916042

Form-3

Productivity Survey Summary Form Labour Based Works

Location	Kerugoya	Client	KURA	Site	KeNHA rd	Weather	Initial Mobilization Period / Routine Maintenance		No. 70
Width of Road Reserve (Wr)	21.20 m	Width of Carriage Way (Wc)	6 m	Left Lined Ditch (LL)	0 m	Grass Cutting Width (GW)=(Wr)-(Wc)-(LL)-(RL)	0 m	Number of Labors	Men
				Right Lined Ditch (RL)	0 m		Total Length	0 m	20/2/2015

Worked Items	Asset Quantity				Labour Input				SRUQ		Remarks (Equipment)			
	Simple Quantity		Actual Quantity		Work Difficulty		Foreman		Supervisor			Man day	(5) Actual SRUQ (man day/Qty)	
	Q'ty	Unit	Q'ty (Vol)	Unit	-Heavy -Normal -Light	Remark	nos	nos	nos	nos				
	a	b					c	d	e	f		j=e x f	pa = j/7a	
1) Grass Cutting(1) / Left		m ²									0	0		
Grass Cutting(2) / Right	43.7	m ²	GW x L	22.68	Normal			1	1	1	0.142857143	0.0033	0.0063	
Cross Culvert(1)	7.65	Pcs									0	0		
Cross Culvert(2)		m		7.65	Normal			1	1.5	1.5	0.214285714	0.0280	0.0280	
Catch Basin / Cover(1)		Pcs									0	0		
Catch Basin / Cover(2)		m									0	0		
Catch Basin / No cover(1)		Pcs									0	0		
Catch Basin / No cover(2)		Pcs									0	0		
Lined Side Ditch(1)		m	L								0	0		
Lined Side Ditch(2)		m	L								0	0		
Unlined Side ditch(1)		m	L								0	0		
Unlined Side ditch(2)	15.5	m	L		Normal						0	0.047614286		
Carriage De-silting(1)	74.3	m ²	Lx1.0(m)		Heavy						0	0.190571429		
Carriage De-silting(2)		m ²	Lx1.0(m)								0	0		
Total								2	2.5	2.5				
									0.0					
														1 day = 7 working hours
														Man day

(Note)

To use one sheet per day

To fill only the number of workers who are engaged in PBC works

Total number of workers or equipment shall tally the number of workers or equipment for PBC works on site.

To specify structures to be maintained

To fill the maintained Q'ty which includes places/areas that don't require any actual maintenance works