CHAPTER 16 CONCLUSION AND RECOMMENDATIONS



16. CONCLUSION AND RECOMMENDATION

16.1 Conclusion

The feasibility study proved that the high priority projects select in the master plan study are technically, economically and environmentally viable with a high economic internal rate of return.

The projects should be implemented as early as possible according to the implementation schedule proposed in Fig. 14.1. The projects involve no requirements for land/house acquisition, resettlement and compensation for commercial activities.

16.2 Recommendation

In order to materialize the projects, the Study Team recommends MOWTC to take the following actions:

(1) Allocation of a Local Budget for Project Preparation

The project does not involve procedures such as the acquisition of additional land, demolition of housing/building and resettlement of residents, however, it is necessary for MOWTC to prepare local funds for the relocation of electric and telephone poles in limited areas.

Acquisition of local funds for these preparatory works and disbursement of expenses on time are a prerequisite for the smooth implementation of the project.

(2) Strengthening of the Maintenance Capability of MOWTC

For the utilization of materialized traffic facilities by the project, maintenance works have to be provided in an organized manner with strengthening of the MOWTC maintenance unit.

This requires,

- Strengthening and organization of the maintenance unit,
- Education and training of personnel, and
- Installation of maintenance equipment and machinery.

Table 16.1 Priority Order of Short Term Program

	Table 16.1 Priority Order of Snort	
Priority	Proposed Project	Expected Effect on Urban Traffic Improvement
First Priority	[Package 1]	Reduction of queuing delay
Projects to be executed during (1998 - 2001)	- Improvement of five (5) junctions which are hindering smooth urban	Streamlining of traffic flow on the connected roads
	traffic flow. Five junctions include, Port Bell/Jinja Road Junction, Kibuye Junction, Natete Junction, Wandegeya Junction Makerere Junctions.	Reduction of traffic accidents at junctions where most of the traffic accidents are taking place at present.
	[Package 2]	Reduction of traffic
	- Improvement of Natete Road where the road condition is substandard compared with growing traffic demand due to potential accessibility of this road connecting the western part of the city with northern part.	concentration in the city center due to inducement of traffic which bypass the city center.
	Improvement of Gaba Road, where the pavement has deteriorated the traffic volume is drastically increasing due to rapid residential development in nearby area.	Easy access between a suburban area and the central business district.
Second Priority	[Package 3]	Strengthening of function of
Projects to be executed during (2001 - 2005)	- Improvement of Port Bell Road, where the road capacity is expected to be saturated in near future due to the rapid deterioration of road surface as a result of increasing industrial related heavy vehicles.	road radiating to the south east area of the district.
	[Package 4]	Strengthening of function of
	- Improvement of Gayaza Road, where deterioration of the pavement is progressing with the passage of inter regional heavy vehicles.	radial road connecting northern part of the region with Kampala city.
	[Package 5]	Strengthening of function of
	- Improvement of Hoima Road	radial road connecting northern eastern region with Kampala city
	- Improvement of Jinja Road	Reduction of queuing delay.
	Junction, which is one of the bottleneck junctions in urban traffic flow. Coordinated implementation	
	with Nakiuubo Channel Improvement Program to be financed by EU is requested.	Reduction of traffic accidents at the junction and in the nearby area.
	Intanced by Do 13 requested.	

Table 16.2 Summary of Project Feature

Project Description			Content and Dimension of Project	nsion of Project		
1 tolor Coorthan	Area	Type of	Right Tum	Through/Left	Length of	Minimum
Bottleneck Junction Improvement Project	(sq. m)	Junction	Lane (m)	Turn Lane (m)	Storage (m)	Radius (m)
VI Control I.	9.000	Signaled	3.0	3.5	09	13
inatele junction	0.300	Rotary	3.0	3.5	09	13
Makerere Juneari	8 200	Rotary	3.0	3.5	09	13
Klouye Junction	5.800	Signaled	3.0	3.5	09	13
Windows Dod Inction	13.000	Signaled	3.0	3.5	09	13
Tinia Road Imetion	10,000	Rotary	3.0	3.5	99	13
Road Section Improvement Project	Design Speed	Length (km)	Carriage way (m)	Pedestrian way (m)	Right of Way (m)	Number of Lanes
Notate Dond	\\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.	3.8	3.5	3.0	20.0	2
Cohe Dood		9.1	3.5	3.0	20.0	2
Oaba Kodu Dort Bell Dood		4.8	3.5	3.0	20.0	2
Tott Dell Noau		4.6	3.5	3.0	20.0	2
Hoims Doad		8.5	3.5	3.0	20.0 ~ 30.0	2
FIGHTIA MOAG			· · · · · · · · · · · · · · · · · · ·			

(3) Reinforcement of Traffic Legislation, Institutional Build-up and Promotion of Traffic Education

It is strongly recommended that in parallel with the physical development of transport infrastructure, support is given to the development of institutions, legislation and education related to traffic affairs.

(4) Coordination with related Ongoing/Proposed Development Scheme

It is also recommended that the Project should be coordinated with the ongoing/proposed development schemes of the city. These include the First Urban Project by Kampala City Council, KCC Car Park Project and Nakivubo Channel Development Project proposed by EU. Special attention should be paid to the water channel development project as it effects the design and engineering work of the project.

(5) Establishment of Comprehensive Legislation for Environmental Protection

It is predicted that the environmental situation will worsen due to an increase in traffic and intensified urban landuse near the project sites. Therefore, it is recommended that the surveillance system for environment protection be strengthened with periodic motor vehicle inspections and the provision of a penalty code in case of violation of the above.

(6) Improvement of Public Transport Services

It is expected that the matatu will remain as the major means of road transport in the city for the foreseeable future. However, at present this public transport is operated in a disorderly manner and service level is substandard. It can be predicted that the improved roads will be used chaotically for this public transport, should strict regulation on those vehicles and/or improvement measures of services not be undertaken.

(7) Establishment of Construction Yard

A construction yard for the purpose of project execution should be established at a suitable location considering all the project sites. The site requires about 10,000 sq. meters for the office, stock yard for construction machinery and equipment. The site which is now used as the construction yard for Entebbe road under the EU project is recommended to be used for the project, with the arrangement of MOWTC. The location of the base camp is shown below.

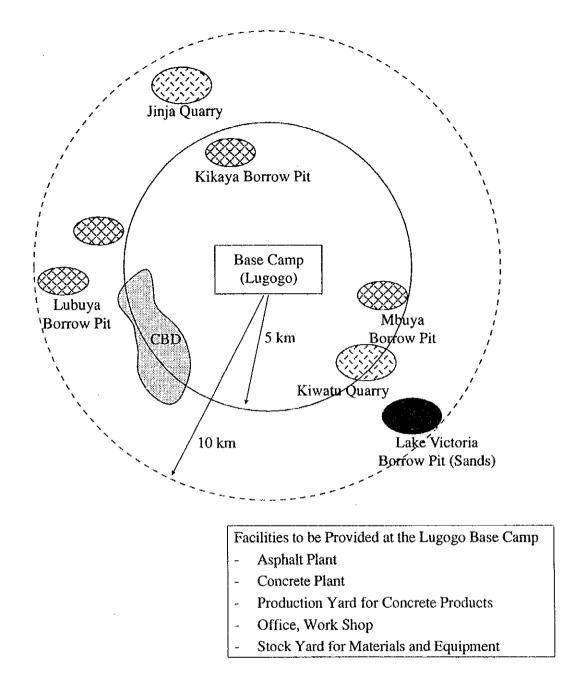


Fig. 16.1 Concept of Base Camp for the Project Implementation

(8) Implementation of the Project under a Sub-contractor Method

For the purpose of reducing the project cost, it is strongly recommended that the Project should be implemented under a sub-contractor method, utilizing the machinery and equipment held by Ugandan contractors as much as possible. The sub-contractor is to be selected on the basis of their capability in terms of earth work, pavement work, drainage work, and so on.

APPENDICES



TABLE OF CONTENTS

Appendix	x3]	Road Inventory Survey·····	AP3-1
Appendix	κ4 <i>Δ</i>	Axle Load Survey Results	
4	4.1	Survey Sheet - Traffic Count	AP4-1
	4.2	Survey Sheet – Axle Load Survey · · · · · · · · · · · · · · · · · · ·	AP4-2
4	4.3	Axle Load Survey Results · · · · · · · · · · · · · · · · · · ·	AP4-3
Appendix	<u>к</u> 7 г	Traffic Assignment for Year 2005·····	AP7-1
Appendia	x9 1	Design Standard·····	ЛР9-1
Appendix	x10	Results of Natural Condition Survey	
	10.1	Results of Standard Penetration Test · · · · · · · · · · · · · · · · · · ·	
	10.2	Results of Laboratory Test for Borehole Sample · · · · · · · · · · · · · · · · · · ·	
	10.3	Shear Strength Tests · · · · · · · · · · · · · · · · · ·	
	10,4	Result of Pavement Structure · · · · · · · · · · · · · · · · · · ·	AP10-15
	10.5	Results of Surface Thickness Investigation · · · · · · · · · · · · · · · · · · ·	AP10-23
	10.6	Results of Test for Subgrade Material · · · · · · · · · · · · · · · · · · ·	AP10-24
	10.7	Results of Pavement Structure Investigation · · · · · · · · · · · · · · · · · · ·	AP10-26
	10.8	Results of Borrow Material · · · · · · · · · · · · · · · · · · ·	
	10.9	Results of Quarry Material · · · · · · · · · · · · · · · · · · ·	AP10-30
	10.10	Annual Rainfall Data·····	AP10-31
	10.11	Rainfall at Kampala·····	AP10-32
	10.12	Maximum Daily Rainfall and Water Level of Lake Victoria · · · · ·	AP10-33
	10.13	Frequency Analysis of Rainfall	AP10-34
	10.14	Frequency Analysis of Water Level of Victoria Lake	AP10-36
	10.15	Catchment Area of Road Crossing Culvert	AP10-38
	10.16	Design Flood Discharge	AP10-39

Appendix 3 Road Inventory Survey Results

Area	Š	Name of Road	of R	080	L	Ouccus Way (Masaka)	Way	Masak		From		. —	Beginning of	ي ا	Clock	Clock Tower			End of		3usega	Busega Roundabout	bout	7	Length		£,	不	Кm
1	3	2	;						,	-		7 7				-	-			-	-	-	-	-		-	-	۱ ا	
	Distance]]。	1	\downarrow	1	0.5			1	†	K,m	+	+		1.5	-				2Km		-	Г	2.5			1		Ę
	Right of way Width	30	30	30	اءا	30	30	ı	9	40 40	0 40	9	?	04		40		40	40	23.8	1	23.6 40	27.6	5 34.4	ا%	29.1 30	30.3	3 28	T
n	Number of Lanes	2	2	2	2	7	2	7	i	- 1	2 2	- 1	- 1	- 1	~ !	73	7	282	727	7 5	- 1	7) [Ţ	7 0	v [
	Single	8.8	7.4	4.7	7.3	7.4	7.6	i	- 1		- 1				- 1	4.	<u>8</u>		ĝ	-	- 1	3.			1		T	- }	Т
\neg	Separate		_			1	\int	\int	1		+	+	+	+	+	1	_	2		- N	R. L. R	R L	Ł	-		+	<u> </u>	<u> </u>	Τ
_†-	Shourder width		+	-	<u> </u>	1			1	1	+	+	╁	-	1	\perp				T	1	1	-	-		\vdash	\vdash	 	Т
1	Type of Pavement	1	<u>.</u>	1	. _	1			T	1	+	+	\vdash	-	-	L					T	-		\vdash					П
	Asphalt		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	$\overline{\Box}$
	Gravel			Ц									-	+							+	+	+			-+	+	+	Ţ
	Earth										+		-	_		1						+	-	-			+		T
	Others		_		_					-	+	+	-	-	-	1	_			Ť	+	\dagger	+	-	1	\dagger	+	+	Τ
i	Type of Drainage	-	-	_	_	_			_		+	+	+	+		+	1			- -	-	Ω	+	+	a		=		Т
	Open Ditch (Earth)	-	Ω	2	_ -	-α	r ₂				~	2	+	α.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<u> </u>					-	1	-	-	1		+	4	T
	Open Diton (Controlle)	+	1	1	1	1	:			-	-	-	-	+	-	┱╴	-			T	-		-	-			+	\mid	Γ
	U type Ditch		-	\downarrow		-	1				+-	+	-	+	+	+	-			T	+	-	1	-	-	+	-	+	Τ
	Others Type of Ditch		-		-	-				-	-	-	\vdash	-		-					-	-					_	_	
_	Crossing Dramage		L				Bridge	ءً ا		Ī	1+70		_	_		L								+31	+56	_	_	+56	ي.
9	Utilis		-		-	_			1		-			H			Ц												
_	Electricity		24	œ	고 기	R.L	RL	7. 1.	R.L.	R.L L	-1	_}	<u></u>		ы	_					T	œ′.	æ	<u>س</u>	~	-	<u>~</u>	~	
	Telephone	L			_											~					RLL		<u></u>	~		-3	-		
	Watersupply	_					ų.	_						-							_1	_	-	-		۳ -	\dashv	\dashv	7
			-		-	-				-		+	_	+	+	-]	1	1	+		1	1		4	T	
	Distance	3Kg	-		ļ	3.5					4Km		T :			-		1	- 1	5Km]	5.5		· [- [6Km
₹	Width	27.6	30	30	30	30	30	30	ł I		0 30		30			30	30			30	30	1			30	30	<u>8</u>	30	
忊	Number of Lanes	2	2	7	7	2	2	72	2	2 2	2	7		2	2	2	2	2	2			2 2	2	2		2 2			
	Single	7.4	1	20 20	6	8.3	7.7	8.		1	.9 7.	: I	8 6.4		1	5.8	و		!		7.8 7			T i	7.3	7.2	6.9	8.9	ا ۾
	Separate												١		1	_	_					_	-	-	- [I	-	-	
	Shoulder Width					R	ж.	~	2	쓰	۲ ۳	۳	포	æ	-	<u>بد</u>	~	æ	χ.	~ 	۳ ا	<u></u>	×	<u>~</u>	<u> </u>	지 지	닉	<u></u>	
۵	Sidewalk Width									-		-		-	_	\downarrow	_			1	1	-	-	1		+	+	\dashv	
Η'	Type of Pavement		_	_	-	\dashv	_			-	-+	-+	-+		+	\dashv	-+		(7	_		+	-+		4	+		1
	Asphalt	0	0	이	0	0		0	0))))							2	7	7))) 기			<u></u>	<u>- </u> .	<u> </u>	
	Gravel		-	4	_	\downarrow	_			+		+		+	+	1	-			1	-	+	+	1	1	+		+	
	Earth	_	+	_		-				+	+	-		+	+	_				+	\dagger	+	1	1	1	+	-	+	
4	Others	1	+	_	-	1	_			†	+	+		+	1		1			1		+	1	-		-	-	-	I
	ype or craminge		-	-	1	-	-	0	٥	9	٥	٥	-	+	-	-	-				N N	2	2	α	2	ar ar	2	 -	Γ
	Open Ditch (Earth)		z	×	٥	٥	2] بے	۷,	+		T		+	+	2	r ₂	2	۵	-			1	:	1	1	-	+	Ī
	Open Dilen (Concrete)		+	-	٤	4				†		+	ļ	+	+	-				1	\mid	<u> </u>		-		\perp	\vdash	+	
	The Dist	-	-	-	1	-	1			+		+	-	-			1			1		ł		-		+	H	-	
,	1 15 PC LIGHT	-	+	\downarrow	1	-	1			\dagger	+	+	-	+	+	+	-			T	1	-	-	-	-	-	\vdash	-	Τ
	Others Type of Diten		-	3/2.	Т	-	_			-	7	140	+	+03		1	1		+88	777	180	t	+35	-	+ 58	06+	-	╀	
	Crossing Drainage	CC+	_	Ç/	ê		1			+	+	+	+	-	+	\downarrow	\downarrow		1		1		+	-	Т	-	\parallel	-	
<i>5</i>	Utility' Flectricity	CC	_ -	Ω	~	-	1	α	α.	2	R	+	<u> </u> 22	2	a4	N	<u> </u> <u> </u> ×	~	2	R	Τ	<u>~</u>	~	R.L	T	& W	-	<u>~</u>	T
	Tolonhone	<u> </u>	 	4	:	1	-			1		×	T	-	L	با	1	.1	Γ	Γ	R.			7	-1	1	دا	7	
	Watersupply	2	1		1	-		1		1		-	-	-	-	-1			_7	T			-	ļ		١		<u> </u>	
																										Source: The Study Team	The Sti	ol va	am

Fig.	Name		Name of Road Queens Way (Masaka) From TO Beginning of Clock Tower End of Busega Roundabout Length 8.3	Km
State Stat	Contracts Con			_
Control Cont	The control of the		6.5 7Km 7.5 8Km 8.5	9K _E
1	## ## ## ## ## ## ## ## ## ## ## ## ##	Width	26.4 30 30 30 35.8 30 35.8 30 30 30 30 30 30 30 30 30 30 30 30 30	
R R R R R R R R R R	Fig.	ancs	2 36 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
H	R		10.5 10.2 9.1 10.6 10.1 9.4 11.2 10.2 9.5 9.8 9.7 10.2 8.4 9.6 8.5 7.8 8 9.6	
## K K K K K K K K K K K K K K K K K K	(Earth) (Ea	J		
## M Dreh	(Early) (Converse) (Converse	deli	R R R K K K K K K K K K K K K K K K K K	
(Early) (Covered) (Early) (Covered) (Early) (Covered) (Early) (Covered) (Early) (Ear	(Controls) (Contr	idih		
Contracted Con	(General)	cnont		
(Control of the first of the fi	(Earth) (Earth) (Earth) (Concrete) (Earth) (Concrete) (Earth) (Concrete) (Earth) (Concrete) (Concrete) (Concrete) (Earth) (Concrete) (Co			
(General) R R R R R R R R R R R R R R R R R R R	(Control)			
(Earth) (Control of the first o	(Farth) (Courtie) (Courtie			
(Control) R R R R R R R R R R R R R R R R R R R	(Control)			
Character)	(Concrete) (Concr	tnage		
(Concrete) h h h h h h h h h h h h h h h h h h h	(Concrete) R	itch (Earth)	R R R R	
Ad Ditch attraction attraction by the control of	Ad Direct Concrete) At R R L R R R L R R R R R R R R R R R R	itch (Concrete)		
## bd Ditch ## days	## House the part of the part	Ditch		
Al Direction	Modern House	Ditch		
### ### ### ### ### ### ### ### ### ##	### ### ### ### ### ### ### ### ### ##	Typed Ditch		
ddh (Controle) (dh	ng Dramage	1+8 +10	
dul R R L R R L R R L L R R R R R R R R R	dh			
dh di (controle)	duh (Earth) (Concrete) (Con	icit.	R L R L R RL R RL L R R R R R R R R R R	
duh s tr tr (Earth) (Concrete) th h d Drich anage	dih s ti ti ti (Concrete) h di Diich ainage	ionc	K K L I K L I K L L L L L	
e (Earth) (Concrete) h h aimage	e duh tit tit (Earth) (Concrete) th h th t	anbbly.	R	
s s tt	cth ht (Concrete) hh hh hd Diich amage			
Variable	Victor			
The part of the	A mess	width 1		
te children	California Concrete California Calif	anes		
c c c c c c c c c c	Company Comp			
dith	Cith	2		
Tath	Tight	dth		
ement ement ement ement t t ement ement ement timage ining ement ement ement hich (Earth) hich ement ement ement hich bilch ement ement ement Dilch pilch ement ement ement Typed Dilch ement ement ement emen g Dreinage emen emen emen emen ig Dreinage emen emen emen emen ig Preinage emen emen emen emen ig Dreinage emen emen emen emen emen ig Dreinage emen emen emen emen emen	t t t t t t t t t t t t t t t t t t t	/idth		
transpect of the control of the cont	tingge introduction Ditch Typed Ditch Type	ement		
minage (inch (Earth)) (inch (Earth))<	unage inch (Earth) 6			
inage Inage <th< td=""><td>Inage Inage <td< td=""><td></td><td></td><td></td></td<></td></th<>	Inage Inage <td< td=""><td></td><td></td><td></td></td<>			
Inage Inage <th< td=""><td>inage inage vitch (Earth.) inch Ditch inch Ditch inch Ditch inch I yeard Ditch inch I yeard Ditch inch ity inch inch inch ppiy inch ppiy inch</td><td></td><td></td><td></td></th<>	inage inage vitch (Earth.) inch Ditch inch Ditch inch Ditch inch I yeard Ditch inch I yeard Ditch inch ity inch inch inch ppiy inch ppiy inch			
inage Inage <th< td=""><td>inage inage (inage (inage<td></td><td></td><td></td></td></th<>	inage inage (inage (inage <td></td> <td></td> <td></td>			
irich (Earth) (Farth) (Post Concrete)	iteh (Earth) (The stath)	ınage		
itch (Concrete) (c	itch (Concrete) itch	itch (Earth)		
Dilich Dilich Charles	Dich Prich Dich (yped Dich g Drainage (publich ity (publich	itch (Concrete)		
Ditch Ditch Price Price <th< td=""><td>Dirich Dirich typed Dich Paramage ity Ity inc Ith inply Ith</td><td>Ditch</td><td></td><td></td></th<>	Dirich Dirich typed Dich Paramage ity Ity inc Ith inply Ith	Ditch		
Syped Ditch Company	Typed Ditch (Yped Ditch g Drainage (It) ity (It) inc (It) ipply (It)	Ditch		
S Drainage Preminge fty 10c nc 10c ppliy 10c	3 Drainage	Typed Ditch		
1ty	ity in the second of the secon	2 Drainage		
	ity in the state of the state o			
	nic apply	ity		
Ajddr	ýlýdí	310		
		vlqqu		

- K Km 3Km 9 Length $\sum_{i=1}^{5}$ 5.5 Kibuye Roundabout 5Km End of Mengo Hill Road Road Inventory Survey Ю 15 Σ Ю From To Beginning of o Σ 32.3 30.2 30 0 Σ 14.8 14.5 12 0 Σ 0 4. 12. 0 14.4 14.8 14.7 15.3 Σ 0 Σ Katwe Road 0 Σ 0 10.4 10.4 [10.1] 0 Name of Road R.L. R.L 0 0 Z. Others
Type of Drainage
Open Ditch (Earth)
Open Ditch (Concrete)
U Type Ditch Open Ditch (Earth)
Open Ditch (Concretc)
U Type Ditch
L Type Ditch
Others Typed Ditch
Crossing Dramage L Type Ditch Others Typed Ditch Crossing Drainage A Right of way Width
B Number of Lanes
Single
Separate
C Shouder Width
D Sidewalk Width
E Type of Pavement
Asphalt Distance
Right of way Width
Number of Lanes Single
Separate
Shouder Width
Sidewalk Width
Type of Pavement
Asphalt
Gravel Others
Type of Dramage Electricity
Telephone
Watersupply Utility
Electricity
Telephone
Watersupply Gravel Earth Earth Area 畑 O

4		Name of Dood 1	11.11.1	7	Gray	From To Beginning	Booinning of		Maral. Dood	7	u	End of	Afan	5			Anoth	4	2.0		Κm
7	Alta	Nation of Inda	Cuoin ang Koad	Koad		٦	ockaminik o		dydrii 17C		1	10 101	OSIDIA	30		1	3	X	 -		
			-		1	+	+	1	1	1	+	+	+	1	1	†	+	 	I	I	
			0.5	١		εĺ		- [- 1	-1	ſ	I			- 1	-1	,		- 1	ž,
A	Right of way Width	0 30 20	9.	70 70	70 70	07	<u>۾</u>	00 170	07	70	07 07	T		۸۶	7	Ç	15.3		07	27	3
හ	Number of Lanes	2 2		гі СІ		2		_[- {	l			7	7	2	1	7 7	7	7	Т	7
	Single	5 4.2 6.2 6	5.6 4	+. +.	4.2	2.8	14.4 5.4	1 ° 4	- 1	7 2	6.1	9.8.4	8.0	5	-7	4.	- 1		4.4	Т	9.6
	Separate							,			7			_		_1	T			Т	-
O.	Shouder Width	R.L. R.L. R.L. R.L.	R.L. R.L	R.L. R.L	K.L.	Ϋ́	KL KL	K.L. K.L	ר גיר	ي پ	Ж. Т.	K.L. K.L	ᆚ	킬	Z.	א. א	K.L. K.L	7 7	Y.E.	7.	2
٠,	Sidewalk Width				-	+	1	$\frac{1}{2}$	+		\dagger	+	\downarrow			†	+	+			
т)	lype of Pavement				-	+		1	+	1	+	+	+	\int		1	$\frac{1}{1}$	+			
	Asphall		(_(((K		(1	\ - -			(1	1			K
	Gravei	0	c c		ر 2	C) C		C	C	C		C	2	2	c	ر ک) \	3	>	7
_	Earth	0		~									_				+	-			
	Others								-		-	-	\dashv				-	+			
iL,	Type of Drainage						_				+	-				-	-	-			
	Open Ditch (Earth)	7	L	_1	RRL	_	-						R.L	z.	4		-				
	Open Ditch (Concrete)					_ _			_			-					-	-			
	U Type Ditch		_	_				-	-			-		Ĵ		_					
	L Type Ditch						_				\dashv		-	J				-			
	Others Typed Ditch					-								Ī							
	Crossing Drainage								-		1	+	_	\int		1	1	4		Ī	
5	Utility			_									-				_	-			
	Electricity						1	R.L. R	<u>مر</u>	~.	R R	ഷ	7	Ţ	1	T T	٦	7	ľ	L į	ړر
	Telephone	1 1 1								_						_	_	_			
	Watersupply						-		-		\dashv	\dashv	_			1					
					,						,						•			•	
		3Km	3.5	-	 <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	† 		5.4	+]	1	šKin	 - -		Ì	ļ'n	\? 	<u> </u>	Ţ		6Km
	Vidth	20 [14.3 20 15.3	20 [14.7					H			H	Н									
В	Number of Lanes	2 2	.7	2													-				
	Single	4.4 4.4 3.6 3.8	4 3.4	9.1					-			-	-					\dashv			
	Separate				1			_	-	1	1	-	-		1	1	1	1			
	Shouder Width	RL RL RL	RL RL	K.L	1		1	1	_		-	-	_			+	-	+			T
Δ	Sidewalk Width						1		_		+	-	-	\int		+	\dashv	\dashv	\prod	1	T
ш	Type of Pavement			_				$\frac{1}{2}$	$\frac{1}{1}$	1	1	+	+	1	1	1	+	4		1	
	Asphait		(<u> </u>		+	1	_	-	1	+	+	-	Ţ		1	-	+			T
	Gravei	000) C	1	1	1	1	-	1	+	$\frac{1}{1}$	-	1		†	1	+			
	Earth			-	<u> </u>	+			+		1	+	_	\rfloor		1	1	1			
	Others						1		+	1	1	-	-	1	1	+	+	+	1	1	T
ц,	Type of Drainage					-						+	-			_		+			
	Open Ditch (Earth)	1					1		-				1]	1	+	+	1			
	Open Ditch (Concrete)					- - -	1	-	-			-	-		1		+	$\frac{1}{1}$		1	T
	U Type Ditch							-	-		-		4				-	-			
_	L Type Ditch											-	4			1	-	-			
_	Others Typed Ditch					_			_			+	_				-	\dashv			
	Crossing Drainage			-				-	-		1	-	-		1	+	+	1		1	
<u>ن</u>	Unling					+	7	+	+		1	+	-		+	1	+	1			
_	Electrony	<u>-</u>	1		-		1	+	\downarrow		+	+	+		1		1	_			
	I elephone	ונ				- -		+	-	1	+	-	\downarrow		Ť	\dagger	$\frac{1}{1}$	+		1	
	w atersuppiy			$\left \cdot \right $				$\frac{1}{2}$	-			$\frac{1}{1}$	$\left \cdot \right $		1		$\frac{1}{2}$	4		1	7

T QK Кm R.L. R.L. R.L ď 0 R 0 RI 130 \circ 2 R.C. R.L 0 Length 0 2 6.3 0 R.L 30 0 RE RE RE RE О RI 0 0 30 Ю Gaba 0 Ю R.L. R.L. 6.1 End of RL 00000 유 + O R.L œ Kiburi Road R.L R.L R.L R.L Road Inventory Survey R.L R.L R.L. R.L 5 RL .F. ٦. د. 0 __ O Beginning of RL R.L 2 2 RL R.L 678 868 0 0 R.L Ю From To 4Km K 0 30 œ 2, 6, 1 О Ö Gaba Road O R.L О Ю 6.2 0.5 ~ œ R.L R. R.L O 0 R.L. R.L. R.L. Name of Road 0 6.3 R æ C 2 67 30 ĮΫ Type of Dramage
Open Ditch (Earth)
Open Ditch (Concrate)
U Typed Ditch
L Typed Ditch
Others Typed Ditch Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Others Typed Ditch
Crossing Dramage Single
Separate
Separate
Shouder Width
Sidewalk Width
Type of Pavement
Asphalt
Gravel
Earth
Others Crossing Drainage A Right of way Width
B Number of Lanes
Single
Separate
C Shouder Width
D Sidewalk Width
E Type of Pavement Distance Right of way Width Number of Lanes Utility
Electricity
Telephone
Watersupply Electricity Telephone Watersupply Type of Drainage Asphalt Gravel Earth Others Area മ

Area	80.	Name of Road	Soad		Goba Road	Soad		From To	m To		Beginning of	ب ا	Kibuli Road	Road		En.	End of	Gaba				Len	Length		=	Km
		To Summer								٦ '											1	-	, 	.	.	
	Distance	6Km	+	159	 	+	Ţ	^{†™}	ļ.5	+	+		7.5	†	†	+	 §	 - -	-	Ţ		5.8	†	-	$\frac{1}{1}$	L A
Æ	Right of way Width	30 30		30 30		30	30	30 (3)	30 30	30	30	30	30 3	30 30	30	30	30	30	30	30	30		30 30) 30	20	22
	Number of Lanes		2		2	7		7	7	7	ı	1			П		7	7	7				2	- 1		
	Singlo	6.4 6.6	5.8 6	5.8	- 1	Ť.C	χ. 8.		2	6.2	- 1	- 1	Ţ	9.9 8.0			9	9	5.2		Т			1		
ŀ	Separate		1	+	+	\downarrow			+	+	+		\dagger	+	+	+	+	1	1			Ť	\dagger	-	+	+
ماد	Shouder Width		1	+	+	-			-	+	\downarrow	I	1	\dagger	\dagger	+	+	1				\dagger	+	+	+	+
2	Sidewalk Width		1	+	+	1		- -	+	+	+		\dagger	\dagger	╁	+	+	\downarrow				1	+	-	╀	+
ı,	Appendicus		C			C	C	C		C	C	C	C	C	C	C	C	C	C	С	С	C	C	C	C	
	Gravel	+		+	+	+	>	╁	┼	+				+-	-	\vdash	+-	+))	╁	+-		┼-	
	Earth		-	-				†	+	H					H	$\left \cdot \right $										
	Others														-	-	-	_	_			7	+	\parallel	\dashv	4
۳	Type of Drainage									_	-		- 	1	_ .						T ,	T	-	-	\downarrow	
	Open Ditch (Earth)	T	-1	-1	R.L	_		ر ا	ڀ	+	R.L		_	.)	ר	_	+	-1	ر_			7	1	- ₹	_ -	_ =
	Open Ditch (Concrete)			+	-	_			+	$\frac{1}{2}$	\downarrow			\dagger	+	+	- -	+	\downarrow			_	-	+	٠,	1
	U Typed Ditch		+	+	-	+		+	-	_			+	+	+	+	1	1	_		Ť		+	+	+	-
	L Typed Ditch		1	+	+	_		+	+	+	+		+	-	+	+	+	_ -	_		1	1		+	-	+
	Uthers Typed Difen		+	+	+	_			+	1	+		\dagger	l	+	+	+	4				\dagger	-	-	+	+
ب	Crossing Drainage		1	1	+	\downarrow		\dagger	+	\downarrow	+		\dagger		+	+	\perp	\downarrow			ľ	1	\parallel	+	╀	-
	Cuity	1	+	+	+	-	a	L		1	- 0	٥		4	ŧ	╞	-	۵	_		+	╁	-	ď	┰	ļ
	Electricity	, "	+	- 6	_ a	۷.	۷ _	4 <u>-</u>	۵	-	7 2	<u>-</u>	-	+	3	3	3	4 -	_	۱ ۵			3	1	1 2	1 ~
	1 elephone	7 1 1	۱,	2		إد	Ī	7		_	-	4	Ţ	\dagger	+	+	+	ر	1	1	Ì		$\frac{1}{2}$	1	4	4
	Watersupply				_	\downarrow		-	-	$\frac{1}{2}$	_			+	-	-	\downarrow	-			1	1	1	1	4	4
			-	-	-	-	-	-	_	_		•	-	-	4		-	-	_		1			-	-	7
		9Km		-	<u> </u>			, ©	0Km	F		Γ	0.5	-	_	-	1Km	- u	-			1.5		-	-	2Km
<	Right of way Width	20.2 20						H	17.5	5 20	16.9	14.7	10	10	10.5 10	21	10	10	10	0.1	2	11.9	10 25	29.8	\dashv	\dashv
m	Number of Lanes								-						=	٦	-7	-	_		Ì	П	\neg	ಕ	4	_
	Single	4.9 5						\dashv	3.5	4.4	m	3.2	3.2	<u>~</u>	3.5	3.6	4	4.2	8	5.2	4.	4.2 4	4.8 5.8	<u></u>	-	\dashv
	Separate				-	_		+	-	-			+	-	1	+	-	$\frac{1}{1}$	_			+	\dashv		+	1
	Shouder Width	R.L			-	\downarrow		-	+	-	-		+	+	+	+	-	4	_		1	\dagger	+	+	+	4
	Sidewalk Width		1	+	+	1		\dagger	+	-	1		\dagger	+	+	+	+	+	_		T	\dagger		+	+	1
	Type of Pavement	-+	+	-	+	-		+	1	-	1		\dagger	\dagger	+	+	-	-				+	+	+	+	+
	Asphait)) 			+	\downarrow		+	+	+	1		\dagger	+	\parallel	+		1				\dagger		-	+	_
	Forth		+	-	-	+		+	C	C	C	C	C	C	C	C	C	C	C	С	С	С	C	C		\downarrow
	Others				-			-	╁	-	╀		╁	┼	┼~	╁	-	╀	-		,	+	╁	⊢	_	-
Ŀ	Type of Drainage			-	-			-	-					-	-			L						L	_	_
	Open Drtch (Earth)	12	_	-	_	ļ.,			<u> </u>	-					- -		ļ						-			
	Open Ditch (Concrete)	X.	-		_			_		_						H										
	U Typed Ditch				_					_																
	L Typed Ditch						_						+		\dashv								-	+	-	_
	Others Typed Ditch			-	-			+	-	_					1	-		_			1			-	\dashv	4
	Crossing Drainage		1	-	+	_		+	-	-			+	1	1	-	-	1	_		1	1	\dagger	+	4	4
5	Utility		-	+	+	-		+	-			1	7	1	9	2	-	4			1		+	+	+	4
	Electricity	٦	+	+	+			-	<u>ء</u> د	0	1	4 0	4 -	4	د ۔	4 -	-		٥		0	9	1	-	1	_
_	lelephone	-	+	-	1	\downarrow		+	<u>د</u>	4	-	<u> </u>	-	+	1	1	1	1	4		T			+	+	+
	w alersuppis			-	$\frac{1}{2}$			-	-						-	-					1		1	-	-	\downarrow

A.	Area	Name of Road Po	Port Bell Road	From	TO Beginning of) ()	Lugogo	End of		Port Bell		Length	اج	6.7	Km
	14		+		+	<u>'</u>			, K	4		 	†	+	T Ž
ŀ	Distance With the	130 30 30 30	05 051 05	05	30 30	30	30	130 130		30 30	130 130	Г	ı	Г	2
< €	Aught of way width	20 00 0	2		,		1	Т	1		1	Τ-	2 2	Γ	1
•		6 65 66	65 65 7.	7.1 6.5	6.4 6.3 6.5	6.5	6.9	7.4 6.7	6.8	6.4 5.8	5.6 6.4	6.2 6.2	_	5.4 5.5	1
	Separate		_					1	1	1	m			П	
		RL RL RL RL	R.L IR.L R.	L R.L R.L	R.L R.L R.L	R.L R.L	. (R.L.	R.L	IR.L	L R.L	R.L. R.L	R.L. R.L	RL	R.L. R.L	2
Δ	Sidewalk Width		_										1		
								-+	-	+				\dashv	
	Asphalt	0 0 0 0	0	0	0	0	0	0	0	이 이	0	0	5	이 이	О
	Gravel									-			+	+	1
	Earth		-					_					+	1	
	Others													$\frac{1}{1}$	-
ie.	Type of Drainage										-		T		
	Open Ditch (Earth)	R L			RL RL		، د		ر.		L.	-3	۸ پ	7	7
	Open Ditch (Concrete)	L					쏘							+	
	U Typed Ditch			-	-			_	_	+	_	-		+	
	L Typed Ditch							-	1		-	+	+		
	Others Lyped Ditch		d			730	1 70	-			ソレキーピソエ	+22	1	+	
k	Crossing Drainage		ī	1103		ń.		-	1	1	7		1	+	Ŧ
9	Utility			+	-	+	-	+		-				+	
	Electricity					1	T			Ť	∠ c	4 0	4 0		Ţ
	Telephone	7 7 7 7 T	1	٦ ٦	1 1	1	י	-			*	T	T	۷.	
	Watersupply			-			_	ر د	7	r L	-		7	<u>.</u>	ŗ
				-		-		-	-	_	-	-	-	-	
_	Distance	3Km		фХ				<u> </u>	Γą	ľ	Γ	5.5		Γ	6Km
⋖	Right of way Width	18 4 30 30 30			0 30	30	30	25 30	,	30 30	30 30	(30	0	0	30
Ø	T	2 2 2	7	Jet 2		2	7	2 2							7
	Single	5.7 6.1 6.2 5.9 5.8	6.2 6	4 5.2	6.4 5.0 5.8	6.3 6.4	6.8 6.3	6.3 6.0	6.1	6.1 6.7	6.5 5.7		9	6.1 6.2	6.2
	Separate				-		,	- 1	_	丁		- 1	_	1	¥
ပ	- 1	RL RL RL RL KL	K.L. K.L	-	KL KL KL	K.L. K.L	KL K.L	KL KL	2	בר ער	K.L.	ᅿ	N.L. IR	2	
	†							$\frac{1}{1}$		+	1	1	1	+	
1)	Type of Pavement	((+					4		C		(
	Aspnalt					+-		+-	+-	+			+		╀
	Tro-							-						-	
	Others							-		_	-	-			
۳	Type of Dramage							 		-	-	-		-	
	Open Ditch (Earth)	R	RRR		R R R	24	-			۳ ار	R.L. L	г г	<u> </u>		r
	Open Ditch (Concrete)		T				24	R	24	-	2			-	
	U Typed Ditch							<u> </u>		-		-			
	L Typed Ditch														
	Others Typed Ditch														
	Crossing Drainage		06+	+80	+39 +75	5				_		+5.9	99	-	
ြ	3							_				-	+	+	
	Electricity	_	- - - -			+	-3		7		-	<u>-</u>	†	-	
	Telephone	RL	R	X X	+	+	+	A C	2	מ צ ב	1	1	+	+	
╛	Watersuppiy	K K				-	_	7		2		-	1	1	

Хm 6.7 Length Port Bell End of Road Inventory Survey പുരളം From To Beginning of Port Bell Road 0 R. R. R. R. R. R. 0 6.5 0 Name of Road O 0 R.L [¥ Distance
A Right of way Width
B Number of Lanes
Single
C Shouder Width
D Sidewalk Width
E Type of Pavement
Asphalt
Gravel
Earth
Others
F Type of Drainage
Open Ditch (Concrete)
U Typed Ditch
C Dean Ditch
C Dean Ditch
U Typed Ditch
C Dean Both
U Typed Ditch
U Typed Ditch Others
Type of Drainage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
U Typed Ditch
U Typed Ditch
Crossing Drainage A Regit of way Width
B Number of Lanes
Single
Separate
C Shouder Width
D Sidewalk Width
E Type of Pavement Utility
Electricity
Telephone
Watersupply Telephone Watersupply Utility Electricity Asphalt Gravel Earth Area 5

AP3 8

Кm 2 O **4**.0 0 0 Length 0 R.L ~ 0 Natete Roundabout 0 O O 0 End of 0 0 0 RE RE RE RE RE Bakuli Junction œ. Road Inventory Survey 0 Ō From To Beginning of 0 3 0 R.L 0 4 6×7.5 0 4Km ci Ю ж Г. О 0 7. J 0 0 0 0 R.L. R.L 0 20 Natete Road 0 20.4 16.7 R.L. R.L. R.L. R.L. R. O 0.5 0 0 9x8 0 Name of Road О 0 0 0 -X Others

Type of Drainage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
L Typed Ditch
Cossing Drainage
Ucossing Drainage Type of Dranage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Others Typed Ditch Crossing Drainage Single
Separate
Schouder Width
Sidewalk Width
Type of Pavement
Asphatt
Gravel
Earth
Others Distance
Right of way Width
Number of Lanes
Single Distance
A Right of way Width
B Number of Lanes Telephone Watersupply Type of Pavement Utility Electricity Separate Shouder Width Sidewalk Width Watersupply Electricity Telephone Asphalt Gravel Earth Area ш Ы

T S Кm RL 0 0 +67 0 0 +48 0 Z Length 0 7 5 0 0 +10 o. 0 0 0 0 0 0 7. Nansana 0 0 30 0 0 .χ [ξ End of 0 0 5.6 6.6 6.4 6.2 Ŧ 0 0 0 Bakuli Junction 21.4 21.5 29.7 20 0 0 9.2 ₹ Road Inventory Survey 0 R.L 000000000 7 RL RL \. \.∵ 4 0 RL 7.6 7.6 From To Beginning of Ю RL 0 R.L R.L 22.6 Jct 7 0 눆 0 5.6 30 0 o O Hoima Road 0 0 0 R.L. R.L. R.L. R.L. _ 2.0 0 0 R.L. R.L 0 Name of Road 0 R.L. R.L 07 0 07 Type of Drainage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Others Typed Ditch
Crossing Drainage Type of Dramage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Others Typed Ditch Crossing Drainage A Right of way Width
B Number of Lanes
Single
Separate
C Shouder Width
D Sidewalk Width Right of way Width Single
Separate
C Shouder Width
D Sidewalk Width
E Type of Pavement Type of Pavement
Asphalt
Gravel
Earth
Others Utility
Electricity
Telephone
Watersupply Electricity
Telephone
Watersupply Number of Lanes Distance Asphalt Gravel Earth Others Area u B S S

줐 8.5 Length 0 lo o R.L. 0 Nansana RL Ю RI RL RL RL Ю End of Ю 0 9 0 Bakuli Junction R.L 0 RL \$ \$ Road Inventory Survey 0 0 RL RL RL RL RL RL From To Beginning of 0 2.9 0 30 7Km 30 0 R.L R.L R.L R.L 0 +75 Ö Hoima Road 0 +95 0 0 RT RL RL RE 0 Name of Road R.L Ю RL 7 0 Asphalt
Gravel
Earth
Others
Type of Drainage
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Crossing Drainage
Crossing Drainage Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch L Typed Ditch Others Typed Ditch Crossing Drainage Single
Single
Separate
C Shouder Width
Type of Pavement
Asphalt
Gravel Right of way Width Number of Lanes Utility
Electricity
Telephone
Watersupply A Right of way Width
B Number of Lancs Single
Separate
Shouder Width
Sidewalk Width
Type of Pavenient Earth Others Type of Drainage Telephone Watersupply Utility Electricity Area

Ľ	, 00%	Nome of Dood	1000			-	L	Lrom T	[ï	,				-	1	+			7
<u> </u>	Alca	Name of N	oag I	_	Jinga Koad	او	-		5	to guining or		Lugogo Juncuon	Junclik	اءِ	End of	ا اخ	Ntebelebe	ا ۋو		_	Leligui	5	P:		
				+	†		+	1	+	+	Ţ	+	+	+	-	1	1	†	+	+	+	+	+		4
				0.5				E.Y.				٦.۶		·		2Km				2.5	5			.	3Km
∢	Right of way Width						-			4			1	-			1	-							
<u>~</u>		£	-	+	+	÷	+	4	-	2		ر د	Jet .				7	- 1	$\overline{}$				_	2	2
	Separate	T EC T EC	77.7	17.5	,	10.7	-1-	C.)1	7.01 C.01	7.	7.7.	_	<u> </u>	10.9	2.11.9	8. 2.	2.0.5	10.8	31 8 01	10.4 11.4	10.6	17.1	=	=	٤.,
Į.	S		2 7	R	3 1	R	R	R	RL RL	LRL	RE	RL	8	R.L. R.L.	- N	2 1-1	K	RIF	2	R	<u>~</u>	H.	'n	- - 2	2
4	1-	RL L		1	1	1-	-	1	1	П				1	_		7	+-	1	7	1-	_			
щ	_			-		_			H	-		ļ	-		L	L			-	-	-	\vdash	L	L	L
	Asphalt	0	0	0	_ O	\circ	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gravel				_		H						-	⊢	├			\vdash	H	-	-	┢		-	
	Earth			_																					
	Others																				_				Ц
12,	Type of Drainage					 - 	-			-		-		-	1										
	Open Ditch (Earth)		Α.	1-	i ^e	0	0		9	1 0	٥		-	+	- -	_		\dashv	יר	≃	\dashv	-	æ	-	
	Open Dilah (Constele)		Ž	7 2	1	ė l	┪.	7		\neg	7	7	+	د	3	2		+	+	+	+	+	1	¥	7
	U Typed Ditch			-	 L		_		-	-	1	- -	- -	-		1		+	_	-	+	+	4	_	\perp
	Others Typed Ditch			-		-		1	-	-		-	+	+	+	_		+	-	-	+	+	-	\downarrow	
	Crossing Dramage	1+0.0	01÷	-	-	-	-		-			ŀ	-		-	<u> </u>		\dagger	-	+29	6	98+89+	98-		
O	5			_	_	٠						_	-	-	L			\dagger	-		-	_		L	
	Electricity		<u>1</u>	7				٦. آ	RL L	7	7	-	7	ړ.	Ţ		7	-	-	7	7	1	-1	_	يــا
	Telephone		₩	-		-1	 	1		7					-	1		H	R.L. L		-		-	_	
	Watersupply			7]			ר	ר ד		7		7	7	_	L.		-		-	_		-		
			-		-		-	-	-	_		-	•					•							
	Distance	3Kn		3.5	†	-	ļ	4Km	<u> </u>	-		÷;	1	<u> </u>	-	5Km	1	†	†	5.5	_	-	-		- Ka
₹	Right of way Width								П			H	-							7	40	40	40	0.7	40
ф	Number of Lanes	2	2 2	2	7 . 3		7									2						2	2	2	2
	Single	7.3 7.2	7.3 7	7.7	7.2	7.7	7.	7.7	6.8 7.2	7.7	_	7.7	7.3	2.7	7.	1.7	71	7.2 8.	8.6 9.3	3 6.9	 	73	7.3	7.3	6,7
	Separate Shouder Width	a a	α	~	α α	2	2	2	ď	_ 	2	1 d	0	α		a	2	9	9 19	٥	6	-	-	-	-
6	Sidewall Width		1		┰			┱		- 1	Т"		Т	1	┰	1		- [Т	1	Т	Т	┰	1	
	Type of Pavement		\parallel	-		-	-	-	-	1		\dagger	+	-	-		1	\dagger	+	+	+	1	_	_	
	Asphait	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gravel						-						-					_		-			\vdash		
	Earth		1	_		+	_		+			+	\dashv						H		$\left \cdot \right $				
ŀ	Others		-	\int	1	+	+	1	-	\int	1		+	+	-		1	+	+	+	-	+	1		
L,	1) pe of Drainage	۵	1	1		+	+	1	+	٥		+	+	-	_	9		+	+	+	+	4	_		
	Open Ditch (Concrete)	4 -	<u>_</u> _				<u> </u> -		+	4	2	R	α.	4	_	2		-	+	- -	+	_	-		
	U Typed Ditch)	1	T			1	<u> </u>	-	-	T-	Τ		+	-			+	+	1	1	4	<u>}</u>	,	
	L Typed Ditch				_				-			-	-	<u> </u>				\vdash	+		-	-	-	Ĺ	
	Others Typed Ditch					-		_										-	-		_	_			
	Crossing Drainage						[\sqcup					H		-					
9	Utility					-				1		-			_	Ţ									
	Telestre	ם ר	<u>ا</u> د		7	7	_ د	<u>고</u>	1	1	1	+	-	+	<u>.</u>		<u> </u>	-	×	+	+		_		\prod
	Westerman	Ť	+	1		+	+	1	+	-	<u>+</u>	1	+	+	اد		7	+	+	+	+	-	1	Ī	
	i waterambhi;							1		4		3	1	-	1			-	-			4		١]

2 2 2 2 2 3 7.3 7.3 7.3 7.3 7.3 7.3 1.2 R.L. R.L. R.L. R.L. R.L. R.L. R.L. R.		Length 7.0	Km
Distance 6Km 65 7Km 1 1 1 1 1 1 1 1 1	Anja Noda	-	
Night of way Width	7Km		9Km
Number of Lanes 2 2 2 2 2 2 2 2 2			
Single	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		T
Shewarate Shoulder Width Stevant Steva	(1) (1) (1) (1) (1) (1)		
Salvader N. C. A. C.	N N N N N N N N N N		
Spackar W adm Spackar W ad	AND		
Arghalt			
Gravel			
Earth Others))		<u> </u>
Others Others			
Type of Drainage Open Ditch (Concrete) Open Ditch (Concrete) U Typed Ditch L Typed Ditch Crossing Drainage Utility Electricity Electricity Telephone Watersupply Number of Lanes Single Sparate Single Sparate Aspate Carval Earth Open Ditch (Earth) Open Ditch (Concrete) U Typed Ditch Cossing Drainage Open Ditch L Typed Ditch Crossing Drainage U Typed Ditch Crossing Drainage U Typed Ditch Earth Crossing Drainage U Typed Ditch Crossing Drainage U Typed Ditch Electricity Electricity			
Open Ditch (Earth) Open Ditch (Concrete) Open Ditch (Concrete) Open Ditch (Concrete) Open Ditch (Concrete) Others Typed Ditch (Cressing Drainage (Cressing Cressing (Cressing Drainage (Cressing (Cressing (Cressing (Cressing (Cress			1
Open Ditch (Ceneric) Open Ditch (Ceneric)			
Utility Distance Right of way Width Number of Lanes Single Shouder Width Tyee Of Pavenent Asphalt Gravel Earth Others Typed Ditch Open Ditch (Concrete) UTyped Ditch Open Ditch (Concrete) UTyped Ditch Crossing Drainage Utility Utility Electricity Lapped Ditch Crossing Drainage UTyped Ditch Crossing Drainage Utility Electricity Electricity Utility Electricity Lapped Ditch Crossing Drainage Utility Electricity Telephone			
Utility Crossing Drainage Crossing Drainage Utility Electricity Telephone Watersupply Distance Right of way Width Number of Lanes Single Separate Stowalk Width Type of Pavement Asphalt Gravel Earth Others Type of Drainage Others Type of Drainage Others Typed Ditch U Typed Ditch Crossing Drainage U Typed Ditch U Typed Ditch U Typed Ditch Crossing Drainage Utility Telephone			Ţ
Others Typed Ditch Crossing Drainage Utility			
Crossing Drainage Crossing Drainage			
Utility Electricity Elec			T
Electricity Telephone Te			
Telephone Watersupply			
Watersupply Distance Right of way Width Number of Lanes Single Separate Sparate Cravel Early Open Ditch (Early) Open Ditch (Early) Open Ditch (Early) Open Ditch (Concrete) U Typed Ditch U Typed Ditch Crossing Drainage Utility Utility Electricity Electricity Electricity Electricity			
Distance Right of way Width Number of Lanes Single Separate Shouder Width Sidewalk Width Type of Pavement Asphalt Carvet Earth Others Open Ditch (Earth) Open Ditch (Earth) Open Ditch (Earth) Others Typed Ditch U Typed Di			
Right of way Width Number of Lanes Single Scparate Gravel Earl Chers Open Ditch (Earth) Open Ditch (Earth) Open Ditch (Concrete) U Typed Ditch U Typed Ditch U Typed Ditch Crossing Drainage Utility Electricity Electricity Telephone	-	,	1
Num Num			
Side Sho			1
Side Side Side Side Side Side Side Side			
Side Short			
St. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			1
gr			
<u>\$</u>			-
			<u> </u>
		-	T
5			Ī
Telephone			-
Telephone			
Watersuppiy		1	

조표 Length Lugogo Junction Jinja Road Roundabout End of Ю R.L. R.L. R.L. R.L. R.L. 0 Road Inventory Survey From To Beginning of 0 0 20.2 19.7 20.1 24 F.F. 0 0 Jinja Road (2) 0 0 20.7 0.5 21.4 21.4 21.4 20.7 О 0 Name of Road 0 0 Bridg Separate
C Shouder Width
D Sidowalk Width
E Type of Pavement
Asphalt
Gravel
Earth
Others
Type of Drainage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Crossing, Drainage
Brid. Open Ditch (Earth)
Open Ditch (Concretc)
U Typed Ditch
L Typed Ditch Others Typed Ditch Crossing Drainage Distance
Right of way Width
Number of Lanes
Single
Separate
Separate
Shouder Width
Sidewalk Width
Type of Pavement
Asphatt Distance
Right of way Width
Number of Lanes
Single Gravel
Earth
Others
Type of Drainage Telephone Watersupply Electricity
Telephone
Watersupply Electricity Area ∢, m G Д

ŀ				4	-					,				1					ł						ŀ	ŀ	I		l	
A	Area	Nan	Name of Koad	Koa	_		Bombo Road	S Road		<i>I</i> .,	From	0 [Begin	Вединив об		Makerere Roundabout	re Rou	ndabou		End of	ζ.	Kawempe			<u>ت</u>	Length	_	5.1		5
		1	+	+	+	+	+	+	+	+	1	1	Ī	1	1	†	t	+	+	+	+	+	+	-	1	I	I	1	T	
	Distance								.		뒥	.						ı			- 1				2.5	.				3Km
∢	1	Ϋ́	Jet 33.3	3 30		0.0E	.o (30	30	130	30	30	30	30				0 30		.9 26.9				j 24,0		22.4	30		30	23.6	22.5
m	ž		2	i l		-	<u></u>	-	7	2	ΙI	7		2	2	2 2	2 2		2 2	2	2	12		2	2	7	7			7
	Single		7.2	2	-	Т		<u>;</u>	-	_	7.7	7.7	+:	- 1	Т	`	-	-	7.4		- 1		7	-	٥	7:2	4.4	7.2	7.2	8.7
k	3	+	٥	10	-	_ -	- 0	٩	٥	4	٥	- 2		α	- -	0	0	100	0	-	1	٦	-	١	-	-	-	-	6	-
عاد	-1-		T	7		ı			- -	- 1	1			1	1	1	7-	7	1	7			7"	Т.	1				┰	1
ľ	7	+	1		+	-	-	+	-	1	1			1	T	\dagger	t	+	\downarrow	-	-	-	1		1			T	T	T
<u> </u>	٠-	+			╁	C	C	C	C	C	C	C	C	C	C	C	C	C				C	C	C	c	C	C	C	C	C
	Grave	-	╬	┪	+		╁	╀	+-	╁	╁					+-	+	┼-	╁╌	╀	+-	+-	-	1	1	<u>\</u>				1
	Earth		+	<u> </u>	+	-	-			-	-					-	-	-	+	+	+-	-	1	-						Τ
	Others		-	-	-	-	-	-		-	-	L				 -	 	-	-	\vdash	-	-	195+			L		2	+50+75	2
۴	T.		-	H	-		-		-	-				-		-	-	├	├	┞	-	L	_	_	_				Γ	Γ
	Open Ditch (Earth)	Ľ	Ţ.			_ <u>_</u>	ړ	;		ر ا		;	7								_			_		R			R	
	Open Ditch (Concrete)		-	ני	-		-	_								-			-					8	ж					
	U Typed Ditch			-	+	أ			_	_						-		-							_					
	L Typed Ditch		+		\dagger		-		-	-+	\perp			1		+	1	+	+	+	+	4	-		_					1
	Others typed Diten	+	-	4	j	- }	-			_	_				-	1	+	-	-	-	-	-		~	_					
			-	-	-	-	-							1		ر <u>ه</u>	Box	-	-	-	-									
G					-			. ~										_			_									
	Electricity		R		8	×	R	R	R	R	R	R	-	R	R	R.L R	R	X	~	~	<u>~</u>	~	œ	æ	<u>4</u>	R				۳
	Telephone		<u>.</u> .	ᆈ		-1	د	<u></u> 1	Z.		<u>.1</u>		R				R		1	-1		_	-7	1	-1	_1	7	24		R
	Watersupply		-																	_	_				J					
		•	•				•	-						•	•	•						,								
	Distance	Z.	+	+	†		<u> </u>			ļ	<u>₹</u>		[Ť	Ì	<u>†</u> ∵	†	\dagger		Į×	 	-	+	+			I	Ť	T	
4						30		30	30	30	30	20.3	_	8	0	30 30			1	_	30	L	-		L					Γ
В	1	2		7	<u></u>	12	C2	7	2	7	2	2	2		1		Γ		7	ļ	7	┞	-	-	_				Γ	
	Single	9	6.8	9.9	6.5	5.6.3	6.9	9.9		œ	6	6.2	7.2	8	9.9	9 8.9	6.2 7.	7.4 7.6		1	6.2	_	-	ļ					Γ	
~~=	Separate		-	1 3	_	_				П				Г	ı	7	<u> </u>			_	-	ſ	_	_	L					Γ
ļν L		 R	R.L. IR.L	LRL	L (R.L	L RL	L RL	RE	RL	R.L	RL	[R.L	R.L.	R.L	R.L.	R.L. R	R.L. R.L.	L RL	LRL	T KT	L R.L	, R.L.	K.L	RL	RL	RL	72	7	R.	RL
	Sidewalk Width		-	-		_	_	L	_										-	-	_	_	L	_	L					ĺ
ш			H							\vdash						Н	┞╌┤	Н		\vdash	_	_		_						
	Asphait		0	0	\dashv	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Gravel		1	\dashv	\dashv	+	\dashv	\dashv		_ _				\dashv		1	1			_			-		_			1		
	Earth		1	\dashv	+	\dashv	1	-	-	_							-	1	_	-		-	-						1	
ľ	_	420	-	-	1	1	-	\dashv	-	-		1 69		+280+	1	1	1		\dashv	-	-	-	4		-			1		Ī
ı	ă T	+	- 6	-	+	\dashv	-		4	_ ;	4	[1	1	1	- 4				1	-	-	_					
	Open Ditch (Earth)		×	×		-	-	4	×	×	¥	¥	¥	<u>-</u>	٠			<u>×</u>	- 6		+	4	-					Ì	1	
	Upen Differ (Concrete)		Ž.	+	<u> </u>	¥	- -	+	+	-					-	۲ ۲	¥	-	K.L	د د	_		-	\downarrow	_			1	1	T
	L Typed Ditch	-	+	+	-	+	-	+	+	\perp					T	ļ	+	+	╀	+	+		_		_			1	Ť	
	Others Tyred Ditch	+	-	+	+	-	-	-	-	1			T		T		\dagger	+	+	+	+	+		+	_			T	Ì	T
	Crossing Drainage	+	-	+	+	+	- -	+	+	-					 	1	+-	+	+	+	-	+	+	╪.					Ī	T
ķ.			+	+	+	+	+	+	$\frac{1}{1}$	1				İ	1	ł	\dagger	+	+	+	+	1	+	1		I		1	1	T
,	Electricity	- -	+	+	+	+	-	_=		-				1	Ī	2		_ ~	2	2	~	_	-	_				1		T
	Telephone	8	24	2	RL	ر ۳	1 -1	RL	R.L	+					RL L	Ī	Т	Т	-	+	+	+	+	╁	<u> </u>		Ī			T
	Watersupply			-	-	: -	בו	-	7-	-	<u> </u>			-	7	-	-	1	╀	╀	}-	+	-	 				T	T	
			1	$\frac{1}{1}$	$\left\{ \right.$		-	-	-											$\frac{1}{1}$	$\left\{ \right.$								1	1

A *00.	From T. I.
יחכם	Cayaza Koad
:	
Distance	1.3 2.Km 2.5 2.5
A Rught of way Width	1.3 Jet 20.5 19.2 20 50 50 50 50 50 Geyaza Kidik 50 50 50 50 50 50 50 50 50 50 50 50 50
Ź.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Single	10 12 10.8 6 6 7.4 7.2 6.4 7.6 5.7 6 7. 5.2 6.8 6.8 6.9 6.7 6.7
Separate	
	RT R
E. Type of Payement	
Asphail	
Gravel	
Earth	
Others	
F Type of Dramage	
Open Disch (Earth)	α α α α α α α α α α α α α α α α α α α
Open Ditch (Concrete)	
U Typed Ditch	
Typed Ditch	
Others Tymed Ditch	
Security Company	
The first of the f	201
Simo o	6
Electricity	
clephone	
Watersupply	
Distance	3Km 3.5 4Km 4.5 5Km 4.5
R	<u>30 28 20 30 30 30 30 30 30 30</u>
B Number of Lanes	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Single	1 5.8 6.3 6.1 6.6 6.4 6.1 6.5 6 6.1 6.4 6.2 6.7 6 6.8 7 5.7 5.2 4.8 5.5 5.3 5.8 5.7 6.5 6 5.7 6.1 4.9
Separate	
1-	REFREEN REFREE REFREE REFREER REFREERE REFREE REFEERE REFEERERE
D (Sidewalk Width	
Asphalt	
Gravel	
Earth	
╗	
F Type of Dramage	
Open Ditch (Earth)	R. L. L. L. R. R. L. R. R. R. L.
Open Ditch (Concrete)	
U Typed Ditch	
L Typed Ditch	
Others Typed Ditch	
Crossing Drainage	1-5.0
G Utility	The state of the s
Electricity	
l cicphone	L KL KL KL KL K
w nersuppiy	L

AP3 - 16

			-								-		-			1	11		1
Area	ea	Name of Road	oad		Lugogo by pass	pass	From 10	1 O Beginning of		Lugogo Junction	tions	End of	ا ه	Bukota Junction	unction	rei	Lengun	7.4	
	Dieteno		Ţ	ا ا	+	T	+ X	+] [1	+	- X		†	†	1	+	T
	Right of way Width	-				_						_	_				-		-
m	anes	4		7	4	4	-	-4	4	4	7		+	7]
																			_
	Separate	15		<u>.</u>	4	82	117	<u> </u>	14	16		<u>+</u>	<u>+</u>	14			-	1	+
- 1	Shouder Width	9		-	٥	Б	٩	Ω	Δ	٩	f	- 1 Q	- 2		1 0	+	+	+	-
2 14	Frame of Payenners	7		2	1	4	۲	1,77	٠,	1	1	1	1	4	1		-		+
	Asphalt	С		С	С	С	С	С	С	С	1	С	C		C	_	-		-
	Gravel			<u>}</u>			}))			-	-					ļ	
	Earth											-	-						
	Others										7	-					-		-
نا.	Type of Drainage										7	\dashv			_		-		
	Open Ditch (Earth)				-						+	_	_		-	-	-		
	Open Ditch (Concrete)											_				-		-	
	U Typed Ditch			_			_			1	\dagger	-		+	_		+	+	+
	L Typed Ditch			}	<u> </u>				+			-	-	1		1	+		-
	Uthers Lyped Diffelt				+						+	-		_		1	+	-	+
	Crossing Dramage									-	†	-	_	1		- -	-		+
<u>.</u>	Unity								+		+		-			1			-
	Electricity				+				1		+		_		+	+	+		
	Telephone								-	1	+	-	1		-	+			1
	Watersupphy						_				1	-			_	_	_		-
		-	1		1			†		Ţ	1		-		+	1		+	Ţ
	Distance					-			-		•	-		-	-				-
7	Right of way Width																		
	Number of Lanes																		
	Single																_		-
	Separate				_											_	-		_
	Shouder Width											-							
Ω	Sidewalk Width		_								-								
	Type of Pavement					-								-			-		_
	Asphalt			-					1	1	1	-	-				-		
	Gravei	-									+	-	-	-				- -	
	Earth										+	+	_	+			+		-
	Others			-						1	+	-	\downarrow	1		+	+	1	+
i.,	Type of Dramage				-					1	+	+	_			1	-	1	
	Open Ditch (Earth)			-		-		1	+	1	+	+	_	1	+	+	-	+	+
	Open Ditch (Concrete)		1	+			1	+	-	1	†	-	1				-	+	
	o lypea Diteil	-	1	-	1	1		1			1	-				+	1	-	1
	L lyped Ditch			_	+				+		+	+	\downarrow		+	1	+	+	1
	Others Lyped Ditch								-		1	-	-			+	-		+
	Crossing Drainage	1			1						1	+	_	+		1	-	1	$\frac{1}{1}$
ر	Utility							-			†	+	-			1	-	+	+
	Electroity		1	+	1				+			1	1	-			+	-	1
	Lelephone 137				1	1	1	+	+	7	+	+	1	1	+	†	+	+	_
	watersuppiy							_		A	1	-	-		-		$\frac{1}{1}$	1	-

⋖	Area	Name	Name of Road		Wire Board	\ 	From To	O Beginning of		Kitante Roundahout		Fred of	Kiwatula		lenoth	0	Km
		2	1000		DIA MAN					TO CHIEF THE PARTY OF THE PARTY			- Aarmo		- CVI (G.		TATA
	Distance		+	†= +	0.5	† †	-X-	†	† 	15.7	†	7.Kgm	†	Ţ	2.5	+	T %
⋖	ŧ		29.3	30	30	05.	- 05	30	30	135	130	130	30	30	30	30	30
<u>a</u>	割	-	4	4		7	-3-	4	4	4	-	4	4	4	2	2	2
<u>. </u>	Separate		13.6	13.9	13.3	11	13.9	14.3	13.4	13	12.5	17.7	13.8	18.8	6.8	7.2	9
ပ	7							-					<u> </u>	-	3	N N	RE
	П		R.L	R.L	R.L	 	RL	RL	RL	R.L	RL	RL	RL	RL			
w	F		((((
	Aspiran				-) -			7)	5		5	5))	5
	Farth					-	+	+		+	1	1		-			
	Others				-	<u> </u>	-		 			1					
Ľ.	F		_													-	
٠	Open Dutch (Earth)			-											R	Y	RL
<u></u>	Open Ditch (Concrete)			+	+											7	
	U Typed Dilen	 		-					1			-	+	7			
	Others Typed Duch		+	+	+	+			1		+		1	1		-	T
	Crossing Orange	-	-	-		+	-	+	+				1				
تا <u> </u>	3							+			1	+		1			
) ,				CR	 	_ اب ا	ď	-	ر	U	ر	U.	L C	ر	Z.		
	Telephone			+		- -	:	1	0	2 00) (X) &) ~	2 2			
<u> </u>	Watersupply		-	+	α.	2	- L	II.	4 <u>~</u>		2 ~	- - - - - -	1 × ×	: ~	 -		
<u> </u>																-	
	Distance] 	<u> </u>	3.5	- 5	-	+Ka	†	1	15.4	†	† K	†	†	5.5	+	Ţ
⋖	Right of way Width		30	130	30	(30)	30	30	30	Г	125.7	20	21	30	130	120	20
<u> </u>	Г		2	.2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Single		7.6	8.8	€.4	œ	8.6	6	8	7.2	7.6	1	6.4	5.2	5.2	5.2	4.6
	Separate																
ပ			R.L.	긺	R.L	R.L	Rì	R.L	RL	R.L	R.L.	RL	RL	RL	R.L	RL	RL
1	-1		-														
라	\$						-		-								
	Asphalt				5	0	0		0				0	+	_		
	- Free Care				- -	-		+		+	1	-	-				
	Others			-			-	 	<u> </u>		+		-))		
<u>.</u>	Type of Dramage		-													-	
	Open Ditch (Earth)		_ -	_	R			<u>۳</u>				×	-		7	R	R.L
	Open Dilch (Concrete)			+	-							+	- 	7		_	
	Transfer		1	+				+	+	+	-	-\ -				+	1
	Others Trend Direk	+		+	+	+	+	+		-	-	+	+	+	1	+	
	Crossing Drainge		+	+	-	+	+	+	+	-		+			1	1	1
k	I INTER	1		1	-	1		+	1	+	1	+	+	1		+	
	Electricity		الا الا		-	-	- X	~	†	+	R.L.	1	-	~	æ	-	-
	Tolophone				1	R.L	1			_		-	1				~
	Watersupply			-		_										-	

9K.m Хm 8.0 Length Kiwatule 5,2 Ю 30 End of O Kitante Roundabout 0 3 ~ 7 Road Inventory Survey 7. 0 From To Beginning of 0 25 4.6 5,5 30 0 0 Kira Road 0 6.5 RL Ю 8.4 Name of Road R.L R 0 _£ Others

Type of Drainage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Crossing Drainage Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Others Typed Ditch
Crossing Drainage Number of Lancs
Single Distance
Number of Lanes
Single
Separate
Separate
Shouder Width
Type of Pavement
Asphalt Type of Pavement Asphalt Gravel Earth Electricity Telephone Watersupply Electricity
Telephone
Watersupply Type of Drainage Separate Shouder Width Sidewalk Width Distance Gravel Earth Others Utility Area œ

Хm 6Km R. О 4.4 5.2 0 R R Length 0 0 0 2 7 50 Lubanyi oz. 5Km o Ю 7 20 End of RL Ю 2 bolintema Road 0 20 Road Inventory Survey 0 RL Ю From To Beginning of 0 R.L. 0 28 4 1Kg 25 4Km 0 0 8. 50 0 RL 0 7 2 Sentema Road 0 o 120 0.5 0 R.L 0 œ Name of Road 0 0 4. 20 20 Įž. Separate
C Shouder Width
D Sidewalk Width
E Type of Pavement
Gravel
Earth
Others
7 Type of Draunage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Crossing Dramage Others
Type of Dramage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Others Typed Ditch Crossing Dramage A Right of way Width
B Number of Lanes
Single
Separate
C Shouder Width
D Sidewalk Width Right of way Width
Number of Lanes
Single Type of Pavement Utility Electricity Telephone Watersupply Telephone Watersupply Electricity Distance Asphalt Gravel Earth Area K a ш 5

Кm 0 21.8 21.8 7.6 0 Length 15.6 15.6 21.2 21.2 21.2 17.2 0 0 2.5 30 Wandegeya Roundabout 0 30 0 05 4 0 30 Ô End of 0 R.L. R.L 0 Jinja Road Roundabout 21.8 21.8 21.5 21.5 RL RL О 30 30 Road Inventory Survey RT RT RT RT RT RT RE 0 0 From To Beginning of 17.8 17.8 О 0 0 30 + Ę Ę IK.m 0 9 0 9 Name of Road Jinja Kampala Bombo Road 0 2 15 Ō O 7. L 0 O 0 R.L. R.L ြိ 0 O RL 30 30 0 12.5 12.5 12.5 0 0 0 S 4 0 0 RL 30 Įž Others
Type of Dranage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Others Typed Ditch
Crossing Dranage Open Ditch (Earth) Open Ditch (Concrete) U Typed Ditch L Typed Ditch Others Typed Ditch Crossing Drainage A Right of way Width
B Number of Lanes
Single Right of way Width Number of Lanes Type of Pavement
Asphalt
Gravel
Earth Single Separate Shouder Width Sidewalk Width Type of Pavement Utility
Electricity
Telephone
Watersupply Telephone Watersupply Separate Shouder Width Sidewalk Width Utility Electricity Type of Drainage Asphalt Gravel Earth Others Area ㄸ <u>م</u>ل> ш

Хm 2.1 Length Namirenbe Road 2Km 0 End of 0 0 Namircnbe Road +65 0 Road Inventory Survey 0 From To Beginning of 0 202 1Km 0 2 2 0 0 120 Buttkiro Kiscayi Road 0 **58**+ 7. L Ю RIL 20 20 9.6 Ю 0.5 0 20 2 9.4 0 RL R.L R.L Name of Road 0 0 20 Others
Type of Drainage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Others Typed Ditch
Crossing Drainage Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Others Typed Ditch
Crossing Dramage A Right of way Width
B Number of Lanes
Single Separate
C Shouder Width
D Sidewalk Width
E Type of Pavement
Asphalt
Gravel
Earth Distance
Right of way Width
Number of Lanes
Single
Separate
Shouder Width
Type of Pavement
Asphalt
Gravel
Earth
Others
Type of Drainage Electricity
Telephone
Watersupply Telephone Watersupply Utility Electricity Area Ą m 9 ш

줊 0.5 Length Kisenyi Road End of Lubiri ring Road Road Inventory Survey From To Beginning of Musajjia-Alumbwa Road 0 Name of Road 0 0 Type of Drainage
Open Ditch (Earth)
Open Ditch (Concrete)
UTyped Ditch
L Typed Ditch
Others Typed Ditch
Crossing Drainage Others

Type of Dramage
Open Diteli (Earth)
Open Diteli (Concrete)
U Typed Diteli
L Typed Diteli
Others Typed Diteli Separate
C Shouder Width
C Sidewalk Width
Type of Pavement
Asphalt
Gravel A Rught of way Width
B Number of Lanes
Single
Separate
C Shouder Width
D Stdewalk Width
E Type of Favement Right of way Width Number of Lines Single Electricity Telephone Watersupply Utility Electricity Telephone Watersupply Distance Asphalt Gravel Eartli Others Area ၁

Кm 0.6 Length Kisenyi Road End of Lubiri ring Road Road Inventory Survey From To Beginning of Mwanga Road 0 ć 70 0 1.7 1.7 6 0 0 0 Name of Road Asphalt
Gravel
Earth
Othors

Open Dicta(Earth)
Open Dicta(Earth)
Open Dicta(Concrete)
U Typed Direch
L Typed Ditch
Crossing Drainage
listy Separate
C Shouder Width
D Sidewalk Width
E Type of Prement
Gravel
Earth
Others
Type of Drainage
Open Ditch (Concrete)
U Typed Ditch
U Typed Ditch
Crossing Drainage
Others Typed Ditch
Crossing Drainage Distance
Right of way Width
Number of Lanes
Single A Right of way Width

B Number of Lanes Single
Separate
Shouder Width
Showalk Width
Type of Pavement Utility Electricity Telephone Watersupply Utility Electricity Telephone. Watersupply Area Ġ

Distance 0 0.5						
Distance 10 15 15 15 14 15 15 15 14 15 15						
Number of Lanes 15 15 15 14 1 1 1 1 1 1 1 1	- 0					
Number of Lanes 1 1 1 1 1 1 1 1 1						
Single	-1 0					
Shouder Width R.L. F.	-1 0					
Sidewald With Sidewald Walth Type of Pavement Asphalt Asphalt Cavel Cave	-1 0					
Type of Pavement						
Asphalt						
Gravel	0					-
Earth Cothers Cothers Cothers Cothers Cothers Cother Cother Cother Cother Cother Cother Typed Ditch Cother Ty						
Type of Drainage Type of Drainage Open Ditch (Earth) R						
Type of Drainage Open Ditch (Earth) Open Ditch (Concrete) U Typed Ditch U Typed Ditch Crossing Drainage Utility Electricity Telephone. U Stance Watersuppty Distance Right of way Width Number of Lance Senarate						
Open Ditch (Earth) U Typed Ditch L Typed Ditch L Typed Ditch Crossing Drainage Ululiv Electricity Electricity Telephone. Watersupply Distance Right of way Width Number of Lanes Senarate						+
Open Ditch (Concrete) U Typed Ditch U Typed Ditch L Typed Ditch Crossing Drainage +47 + +82 L						-
U Typed Ditch L Typed Ditch Crossing Drainage +47 +82 Unity Telephone L Watersupply L Distance Right of way Width Number of Lanes Senarte						
L Typed Duch Crossing Drainage +47 +82						
Others Typed Ditch Crossing Drainage +47 +82 Utility Electricity Telephone L Watersupply Distance Right of way Width Number of Lanes Single						
Crossing Drainage						
Unify Electricity R R L Telephone L Watersupply Distance Right of way Width Number of Lanes Single Separate					_	
		_		+		+
				-		-
Distance Right of way Width Number of Lanes Single Separate		+ + + + + + + + + + + + + + + + + + + +	+	+	+	Ţ
Night of way Width Number of Lanes Single Separate					-	
Number of Lanes Single Senarate				+		
Single Senarate				-		+
Cenarate						
						†
Shouder Width				$\frac{1}{1}$		1
Sidewalk Width						
Type of Pavement				-		1
Asphalt						+
Gravel						+
Earth						
Others				-		
Type of Drainage						
Open Ditch (Earth)						-
Open Ditch (Concrete)						
U Typed Ditch				-		
L Typed Ditch						
Others Typed Ditch						
Crossing Drainage						
Utility						_
Electricity						
Telephone						
Watersupoly				_		

			Road Inventory Survey	urvey					
Area	Name of Road	Motebi Road	From To Beginning of	ng Road	End of	Katowe Road	Length	0.5	ᄍ
	-	+		+ + + + + + + + + + + + + + + + + + + +	+	†		$\frac{1}{1}$	т
Distance		0.5		-	ļ				
A Right of way Width	20 20 20 20	-						+	
	-							_	
Single	5.1 5 4.8 7.5	\neg						$\frac{1}{1}$	
				-	-			$\frac{1}{1}$	
								+	
D Sidewalk Width								$\frac{1}{1}$	
E Type of Pavement									
Asphalt								-	
Gravel	0 0							-	
Earth									
Others								+	
F Type of Drainage									
Open Ditch (Earth					_		•		
Open Ditch (Concrete)	(10)						-		
U Typed Ditch									
L Typed Ditch									
Others Typed Diffe	-73								
Crossing Draylage	07+								
G Unity								_	
Electricity	R R R							_	
Telephone	7						-		
Watersupply	L R.L R.L								
								•	
Distance	+			-	+				
A Right of way Width									
A Number of Lance								ŀ	
								-	
Separate					-				
C Shouder Width									
1									
					-				
Gravel									_
Earth									
Others									
F Type of Dramage									
Open Ditch (Earth									
Open Ditch (Conci	rcte)								
U Typed Ditch								_	
L Typed Ditch									
Others Typed Ditch	i) l				-			-	
								-	
G Utility								_	
Electricity									
Telephone									
Watersupply									

<u> </u> <u> </u>					T													Ţ	Ţ	Ţ.		Ţ.,		т	T	Ţ	-		ļ			L			\prod		1	Ţ	\prod	T	Ţ	T	I			
			-			-								-	_	+			+		-	-		 	-	-	-		-		-				+	-	-	+	-	+	+	-	-			
	<u> </u>			+	+	†	1	1						<u> </u>			1			<u> </u>	1			‡		1		1	ļ									1	1	1	1	1	\prod			_
100	Lengin	 	-	1	+	1	-	-	-					$\frac{1}{1}$	\downarrow	+	+	+	+	+	+	-		+		\parallel	+	-	-	\mid	-	H	_		$\frac{1}{1}$		_	+	1	+	+	+	-	-	$\frac{1}{1}$	_
F	-	+		1	+	1		-			-			+	-	-	-	-	-		-	-	1	+	-	\dagger	+	╁		Ì	+	-						+	+	+	+	+	-	\mid	+	-
	>.	†			1	1	+]		1		1				1	1		1			ļ		Ţ							_	\prod	1	$\prod_{i=1}^{n}$	1	Ţ		-	
	Oncens Way					-	-	+	-	-	-						-	1	$\frac{1}{1}$	$\frac{1}{1}$	-			+	-	$\frac{1}{1}$		-	-	-		-								1	+	$\frac{1}{1}$	+			_
		† †				†		1														1		1			1				1						_		_	1	1	\downarrow	$\prod_{i=1}^{n}$	-	1	
	End of	<u> </u>	_		$\frac{1}{1}$	1	1	-	+	-	-				-	-		-	+	1	-	1	$\frac{1}{2}$	+		-	+	-	+	+	+	+	-	_		-			-	+	-	+	$\frac{1}{1}$	+	+	
	ad	+	_		-	+	+	+	+	-	+							-	+	1	+	\dagger	-	+		+	+	+	$\frac{1}{1}$	\parallel	-	-	+	-					$\frac{1}{2}$	_	+	+	+	+	+	_
<u></u>	Lubiri ring Road	†					1	1		1	1									1	_	+		‡		1		_		1	1	<u> </u>	-						-	_	1	1	1	1	1	-
Road Inventory Survey	Lubin	+	_			_		+		-			-				_	+			+	\downarrow	-	+		_	-	-	-	1	1	+	-								-	-	+	1	+	_
Z S	Jo Su	+	-			-	+	+	+	<u> </u>		-	-				-		-				-	+		$\frac{1}{1}$	-	+	-	+	+	+	-	-							+	+	- -	+	-	
ento	Beginning of	+																						1						1		1											1			_
Inv	0	1				-		-	-	+	+	_		Ļ				_	-		-	-			.	-		1	+	+	+	+	+	-	-	_	-			H			$\frac{1}{1}$	1	-	-
Coad	From To	+		-		-	-	-	+	-	+	-	-	-						-		+	\dashv	+	.	-	-	-	1	1	+	-		+		-	-	-					+	+	-	-
	'n.	1			 			1	+	+	\downarrow	-												1	•			1	1	1		+	†	1					L				+	#	_	
	ucens W	T	L	-					-		-	-	-	-		-					_	-	-						_	+	-	_	_		-	L		-			_		_	-		_
	Lubiri ring Queens Wa	+,	_		:			-	-	1	-	+	-		-								-		•					-	-	-	-	+	-	ŀ	<u> </u>	_		-	-		_	-		-
	Lubi	٦			!			-		+	- -		-		-	-									-												-	<u> </u>								-
	toad	1	120		, r					-+	0	-		-	:	1	-		12.4		α.		ر_	-					_			-	-	_		-		-	<u> </u>	L		-	-			
	e of R	+	1 175 1	-	7	-				┷		+	-		ļ.,	-	<u>+</u> -	ļ		İ	24				ŕ		_		4		1		+	+	+		-	-	-				$\frac{1}{1}$	-	-	_
	Name of Road		1,00	; <u>-</u>	6.9								\int		-	-	L	├	j	_	ж Ж			-									1	-		-		+	<u> </u>					1		Ĺ
		•		T										44)	nerole	11 Tyred Ditch		itch	ogu																		(1)11	ncrete)		L Typed Ditch	Sitch	age				
			C CANA	3000		a	dth	tlibi	cnout				0.00	ninge htch (Fo	0) 131	4 Ditch	d Ditch	Others Typed Ditch	Crossing Dramage		ig.	one	.yddn		e	Width	Lancs		<u>e</u>	igt.	/idth	curent	- - -	_		neave	Oren Ditch (Earth)	Citch (C	2 Ditch	ad Ditch	Typed L	Crossing Drainage		city	one	
		:	Distance Original	Number of lance	Single	Separate	Shouder Width	W Alc w	col Pari	Asphalt	Gravel	Earth Farth	Cincis	Onen Diffeh		1 T	LTreet	Others	Crossin	1	Electricity	Telephone	Waters		Distance	Right of way Width	inber of	Single	Separate	Suder W.	lerralk W	pe of Pay	Asphalt	Crayo	Others	Type of Drainage	E OLO	2 500	UTV	LT	Others	Crossu	Utility	Electri	Telephone	
	Area		- 1	2 Z		Ĺ		D Side								1	<u>.</u>	<u></u>	1_	COMIN		Ĺ_				1	8				Pis C			1	1	1				<u>L</u>	L	<u>L</u>	5 3	لٰــا	l	1
		L		_L			1		L	_										L.				~~		ــــــــــــــــــــــــــــــــــــــ	1			لب	لــا	Ļ				Т.							٠			_

줊 0.2 Length Masaka Road End of Lubiri ring Road Road Inventory Survey From To Beginning of Lubiri ring Masaka Road 0.5 Name of Road 0 Type of Drainage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
U Typed Ditch
Others Typed Ditch
Crossing Drainage Others

Type of Dramage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
U Typed Ditch
U Typed Ditch
Cossing Dramage A Right of way Width
B Number of Lanes
Single
Separate
C Shouder Width
D Sidewalk Width
E Type of Pavement
Asphelt
Gravel
Earth Distance
A Right of way Width
B Number of Lancs Single
Separate
Shouder Width
Sidewalk Width
Type of Pavement
Asphalt
Gravel
Earth
Others Utility
Electricity
Telephone
Watersupply Utility
Electricity
Telephone
Watersupply Distance Area S Ç

Km 0 3.0 Ю Length 0 0 7 O Namasuba [<u>ş</u> Ю K End of O Kibuye Roundabout R.L 0 9.7 Road Inventory Survey <u>~</u> lo From To Beginning of 0 30 œ 0 O 2 9.6 30 ď Entche Road O 9.9 0.5 Name of Road Ю Bridg Asphalt
Gravel
Earth
Others
F Type of Drainage
Open Ditch (Earth)
Open Ditch
L Typed Ditch
L Typed Ditch Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Others Typed Ditch
Crossing Dramage Ea. Others
Type of Drainage
Open Ditch (Earth) L Typed Ditch Others Typed Ditch Crossing Drainage Right of way Width Number of Lanes Single Distance
A Right of way Width
B Number of Lanes Utility
Electricity
Telephone
Watersupply Separate Shouder Width Sidewalk Width Type of Pavement Single
Separate
Shouder Width
Sidewalk Width
Type of Pavement Telephone Watersupply Utility Electricity Asphalt Gravel Earth Area ДШ 5 ш 囫

Area	60	Nam	Name of Road	ad i	Ring Road		From	TO Beginning of		Lubiri ring Road	Road	Jo pug		Lubiri ring Road	7	Length	11.5	Km
					ח													-
	Distance] _	†	+	0.5	T +	1Km		+]]]	 	+7	2K <u>5</u>	-	† ``	2.5	†	- <u>\$</u>
4	Right of way Width	<u> </u>	30	130	Rbdt	130	30	30	-	Γ	20		0	18.8		1	120	17.8
	Number of Lanes	+	5 2	2	4	2	2	2	2	2	2		2	2	2	2	2	2
	Single		7.4	6.2		œ	6.2	6.2		6.4	9			8.9	7.2	7	7.2	9.9
	Separate				16.1		3		12.9							4	1	
O C	Shouder Width		R.L	R.L		Z.	X.	Z.		-	짓	\prod	L L	Ì	ž	7.	×	~
3 F	Type of Pavement		1						+	-	-	+	+	-	1			
1	Asphait		0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
	Gravel		 															
	Earth										_		-	-				
	Others								-		-	1	-	1				1
	Type of Drainage										-		-	- 	-	,		
	Open Ditch (Earth)		-							_	-	×	-	¥	¥	×	- 6	
	Open Ditch (Concrete)		~									+	-	-			¥	
	U Typed Ditch	_										1	+	 			+	
	L typed Ditch	1	- - - -	$\frac{1}{1}$	+		1	+			-	+	-	+				+
	Others 1yped Ditch		1	+	+	+	1		-	-	+		1	>0.7	1	1001	1	
	Crossing Drainage	1	1		†	+		1	1	-	1	1	+	6	1	700	+	T
<u> </u>	Chairy			_	+	<u> </u>	-	Q		-	٥		+		+		1	-
1	Electricity		١.	١.		د	3 6	۷.		2	2 _	ء <u>د</u>	+) o	ם נ	-	+	ه د
	lefephone		اد	1		1	¥.	1		<u>.</u>	1	-	_	7.7	2	1	1	ĸ
	Watersupply			-	K.L		_		1	7		_	_		~ -			-
			•	-		-	-	-	-	٠ - :	-	-	-	-	-	-		
	Distance	3Km	<u>†</u>		3.5		4Km			4.5	-	5	5Km	•	- 1	5.5		6Km
Ą	Right of way Width		20	22.8		16.5	20	37	23.1				28.3	30	29.9	28.7	31.5	30
	Number of Lanes		2	2	2	2	2	2	2	2	Rdbt	pt 4		4	4	4	4	4
	Single		9.9	9.9	6.2	7.2	8.9	7	7.2	2	 						Š	()
	Separate			-							-	-	12.3	13.3	13.2	12.6	13.5	13.6
	Shouder Width		-1	R.L	R.L	R.L.	-3	K.L	R.	¥		-	-	_				
- 1	Sidewalk Width		1			1		1		1		5	7.	Y.L	7	72	Z L	2
<u>п</u>	Type of Pavement	1	(((((1	(((+	(
	Asphali	1	0)	5	5)))) -	1)))	 	5
	Graves 11-13	\downarrow			+	+		+	$\frac{1}{1}$	$\frac{1}{1}$	+	+	+	+	+		+	
	Others	+	+			1						+-	+	-	-			_
1	Type of Drainage	1	+		<u> </u>	 -					_	<u> </u>	-				-	
	Open Ditch (Earth)					12		-			-	-	-	-				
	Open Ditch (Concrete)			R														
	U Typed Ditch																_	
<u></u>	L Typed Ditch										_		-	-				
	Others Typed Ditch						+	-	-		_	+	+	 	 	+	-	—
	Crossing Drainage				+97		1	1	1		1	+	+	+	1	1	+	-
บี	Uality	1		-		-	-				+	+	$\frac{1}{1}$			_ (٥	K
L	Electricity	$\frac{1}{2}$	X 0	X Q	¥ -	x 0	¥	∠ α	¥	<u> </u>	+	+	$\frac{1}{1}$		د	ر	ار: <u>۱</u>	פונ
	I elephone	1	4	4	1	4	+	۷.	-		+	+	+	+	† †	+	+	4
	Walcisuppiy	-					3	3	2		-	2		7	2	,	2	

12Km Σ 9Km 26.3 . . **R** 1.5 RL R. 0 Length RL RL0 0 R.L 0 Lubiri ring Road Rabt 2 0 Ю Ĭ. Ā . ₽ 13.6 Ю 0 ω 4 End of \$ 13.6 Ю ₩ 9 Lubiri ring Road 10.6 19.1 Ю O Road Inventory Survey 10.5 0 Ю From To Beginning of 13.6 0 0 K.L IOK B ¥ 13.6 Ϋ́ 0 30 0 ٦ ٦ 0 O Ring Road 13.6 RL 긡 Ю Ο 7 6.5 5.0 0 Ю Name of Road 13.6 þ 0 30 O z] [2] TR Far Type of Drainage
Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch Open Ditch (Earth)
Open Ditch (Concrete)
U Typed Ditch
L Typed Ditch
Others Typed Ditch
Crossing Drainage L Typed Ditch Others Typed Ditch Crossing Drainage Separate
C Shonder Width
D Sidewalk Width
Type of Pavement
Asphalt
Gravel Distance
Right of way Width
Number of Lanes Right of way Width Number of Lanes Single Utility
Electricity
Telephone
Watersupply Single
Separate
Shouder Width
Sidewalk Width
Type of Pavement
Asphalt Others Type of Drainage Utility Electricity Telephone Watersupply Distance Gravel Earth Others Area ø