REPUBLIC OF SIERRA LEONE

MAKENI-KAMAKWIE ROAD PROJECT FEASIBILITY STUDY REPORT APPENDICES AND DRAWINGS

MAY 1980

JAPAN INTERNATIONAL COOPERATION AGENCY

L527 73.7 SDF





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PART I AGRICULTURAL STUDY SECTOR

APPENDIX A NET RETURN OF AGRO-PRODUCTS PER ACRE

82.7

Net return ratio

81.0

(1) SWAMP RICE					(2) UPLAND RICE				
	Unit	Minimum Yield	Maximum Yield	Unit Price/Cost		Unit	Minimum Yield	Maximum Yield	Unit Price/Cost
<u>Yield</u>	lbs	1,300.00	2,800.00		<u>Yield</u>	1bs	1,000.00	1,800.00	
Gross return	Le	10.5	238.00	0.085Le/1bs	Gross return	Le	85.00	153.00	0.085Le/1bs
Input			in district. Programme di		<u>Input</u>				
Labor				•	Labor				
Land preparation	ท/บ	25	25	•	Land preparation	M/D	15	20	
Nursery growing	M/D	1	1		Seeding fertilizing	M/D	. 1	2	
Transplanting	M/D	$1\hat{6}$	16		Weeding	M/D	20	20	•
Weeding	M/D	10	10		Topdressing,	M/D		2	
Topdressing,	M/D		2		spraying			- 15g	
spraying					Bird scaring	M/D	5	5	
Bird scaring	M/D	5	5		Harvesting	M/D	8	12	the second of th
Harvesting	M/D	10	12	· ·	Threshing, drying	M/D	5	. 6	
Threshing, drying	M/D	.6	8		Total	M/D	54	67	
Total	M/D	73	79				• •		
	·	1	The Marie Control		Seed	Le	14.00	14.00	701bs x @Le0.20
Seed	Le	12.00	12.00	601bs x Le0.20	Fertilizers	Le	·	18.80	20-20-0;
Fertilizers	Le		28.60	20-20-0:					1101bs x @Le0.12
			is The Miller Albert	110lbs x @Le0.12 Urea:					Urea: 401bs x @Le0.14
				1101bs x @Le0.14	Spraying	Le	· _	2.48	Machine cost: Le0.48
Comparing	I o	4.1	2.48	Machine cost: Le0.48	Spraying	ыс		2.40	Insecticides:
Spraying	Le		2.40	Insecticides: L.S.Le2.					L.S.Le2.00
Miscellaneous	Le	0.60	2.15	5% of the above costs	Miscellaneous	Le	0.70	1.64	5% of the above costs
Total	Le	12.60		5% Of the above costs	Total	Le	14.70	34.44	
IULAL	ЦC	12:00	45.25		LOCUL		1,170		
Met return	Le	91.40	192.77		Net return	Le	70.30	118.56	
		*	•					**	· · · · · · · · · · · · · · · · · · ·

Net return ratio

77.5

(3) MAIZE

(4) GUINEA CORN

	<u>Unit</u>	Minimum Yield	Maximum Yield	Unit Price/Cost	e.		Unit	Minimum Yield	Maximum Yield	Unit Price/Cost
Yield	lbs	900.00	1,800.00		:	Yield	1bs	1,500.00	2,300.00	
Gross return	Le	54.00	108.00	0.06Le/1bs		Gross return	Le	75.00	115.00	0.05Le/1bs
Input						Input		4.		
Land preparation Seeding, fertilizing	M/D M/D	10 1	15 2		us line	Land preparation Seeding fertilizing	M/D M/D	10 1	15 2	
Weeding Harvesting	M/D M/D	10 2	15 3			Thining, weeding Harvesting	M/D M/D	11 3	17 5	
Shelling, drying Total	M/D M/D	3 26	5 40			Threshing Total	M/D M/D	2 27	4 43	
Seed Fertilizers	Le Le	4.00	4.00 16.50	401bs x @Le0.10 15-15-15:		Seed Fertilizers	Le Le	4.00	4.00 16.50	401bs x @Le0.10 15-15-15:
Spraying	Le	: · · · · · · · · · · · · · · · · · · ·	2.48	1101bs x @Le0.15 Machine cost: Le0.48		Spraying	Le	- ·	2.48	1101bs x @Le0.15 Machine cost: Le0.48
	· · · · · · · · · · · · · · · · · · ·			Insecticide: L.S.Le2.00						Insecticide: L.S.Le2.00
Total	Le	4.20	24.13			Miscellaneous	Le	0.20	1.15	5% of the atove costs
Net return	Le	49.80	83.87	$\frac{\mathbf{p}_{i}}{\mathbf{p}_{i}} = \frac{\mathbf{p}_{i}}{\mathbf{p}_{i}} = \mathbf{$		Net return	Le	70.80	90.87	
Net return ratio	%	92.2	77.7			Net return ratio	%	94.4	79.0	

(6)	CASSAVA
-----	---------

	Unit	Minimum Yiled	Maximum Yield	Unit Price/Cost		<u>Unit</u>	Minimum Yield	Maximum Yield	Unit Price/Cost
<u>Yield</u>	lbs	1,300.00	2,300.00		<u>Yield</u>	1bs	4,500.00	7,200.00	
Gross return	Le	78.00	138.00	0.06Le/1bs	Gross return	Le	90.00	144.00	0.02Le/1bs
Input					Input		•		
Land preparation Seeding fertilizing	M/D M/D	10 1	15 2	Mit in the case of the control of the case	Labour Land preparation	M/D	20	20	
Weeding Harvesting	M/D M/D	10 8	15 12		Planting, fertilizi Weeding	M/D	3 10 10	3 15 15	
Threshing Total	M/D M/D	3 32	5 49		Harvesting Total	M/D M/D	43	48	
Seed	Le	4.00	4,00	401bs x @Le0.10	Seed	Le	24.00	24.00	120 x 0.20Le/100 sets
Fertilizers	Le		16.50	15-15-15: 1101bs x @LeO.15	Fertilizers	Le		16.50	15-15-15: 1101bs x @Le0.15
Miscellaneous Total	Le Le	0.20 4.20	$\begin{array}{c} 1.03 \\ 21.53 \end{array}$	5% of the above costs	Miscellaneous	Le	1.20 25.20	52.03 42.53	5% of the above costs
Net return	Le	64.80	42.53		Total	Le	64.80	101.47	
Net return ratio	%	72.0	70.5		Net return Net return ratio	%	72.0	70.5	

(5) MILLET

(7) SWEET POTATO

(8)	GROUNDNUTS

	<u>Unit</u>	Minimum Yield	Maximum Yield	Unit Price/Cost		<u>Unit</u>	Minimum Yield	Maximum Yield	Unit Price/Cost
<u>Yield</u>	lbs	2,900.00	4,000.00		Yield (unshelled)	1bs	1,000.00	1,700.00	
Gross return	Le	87.00	120.00	0.03Le/1bs	Gross return	Le	80.00	136.00	0.08Le/1bs
 Input					Input				
Land preparation Nursery growing Transplanting Weeding Harvesting Total	M/D M/D M/D M/D M/D M/D	20 3 5 10 10 48	20 3 5 15 15		Labore Land preparation Seeding, fertilizing Weeding Harvesting, stripping Total	M/D M/D M/D M/D M/D	10 1 10 8 29	15 2 15 10 42	
Seed Fertilizers Miscellanous Total	Le Le Le Le	10.00 - 0.50 10.50	10.00 16.50 1.33 27.83	200 lbs x @Le0.05 15-15-15: 110lbs x @Le0.16 5% of the above costs	Seed Fertilizers Miscellaneous Total	Le Le Le	7.50 - 0.38 7.88	7.50 13.20 1.04 21.74	501bs x @Le0.15 S.S.P. 1101bs x @Le0.12
Net return Net return ratio	Le %	76.50 87.9	92.17 76.8		Net return Net return ratio	Le %	72.12 90.1	114.26 84.00	

(9)	TOBACCO
(/ /	TODAGGC

		<u>Unit</u>	Minimum Yield	Maximum <u>Yield</u>	Unit Price/Cost	
<u>Yield</u>		lbs	1,100.00	1,300.00		
Gross return		Le	583.00	689.00	1st class: 0.5Le/1 2nd class: 0.45Le/ 3rd class: 0.30Le/ average: 0.53Le/	lbs lbs
Input		:	. · · · · · · · · · · · · · · · · · · ·		dverage. 0.33hc/	103
Land preparation Transplanting Weeding Spraying Harvesting Curing Grading, binding Total		M/D M/D M/D M/D M/D M/D M/D M/D	15 10 15 2 5 5 5	20 10 15 3 7 6 6		
Seedling Fertilizers Spraying Fuel wood Depreciation of		Le Le 5 cords Le	40.20 48.40 10.00 50.00 80.00	40.20 113.70 15.00 50.00 80.00	1,340 x @0.03Le 15-15-15: with 4501bs x @L without 2201bs x Sulphate potash: with 3361bs x @L without 1101bs x	@Le0.14 e0.14
curing ban Miscellaneous Total		Le Le	11.45 240.03	14.95 313.85	Durable period: 5 5% of the above co	
Net return Net return ratio	:	Le %	342.97 58.8	375.15 54.4		

(10) ORANGE

Harris III	<u>Unit</u>	Minimum Yield	Maximum Yield	Unit Price/Cost
<u>Yield</u>	1bs	9,000.00	13,200.00	
Gross return	Le	180.00	264.00	0.02Le/1bs
Input				
Seedlings	Le	12.50	12.50	250 seedlings x @Le0.05 Growing period:
Fertilizer	Le	. -	16.50	and the second s
Spraying cost	Le		10.00	1101bs x @Le0.B
Miscelleneous	Le	1.25	3.90	10% of above cost
Total	Le	13.75	42.90	
Net return	Le	116.25	221.10	
Net return ratio	%	92.4	83.8	

(11) MANGO

(12) BANANA

		Unit	Minimum Yield	Maximum Yield	Unit <u>Price/Cost</u>			Unit	Minimum Yield	Maximum Yield	Unit <u>Price/Cost</u>
<u>Yield</u>		lbs	4,400.00	6,600.00		<u>Yield</u>		1bs	2,900.00	4,400.00	
Gross return		Le	132.00	196.00	0.03Le/1bs	Gross return	e two trans	Le	116.00	176.00	0.04Le/1bs
Input	٠					Input					
Seedlings		Le	5.50	5.50	6m x 6m 110seedlings x @Le0.05	Seedlings		Le	13,20	13.20	440 seedlings x @Le0.03
Fertilizer		Le		16.50	Growing period: 20 years 15-15-15:						Growing period: 8 years
Spraying		Le		5.00	1101bs x @Le0.15	Fertilizer		Le	* • • • • • • • • • • • • • • • • • • •	16.50	15-15-15: 1101bs x @Le0.15
Miscellenous Total		Le Le	0.55 6.05	2.70 29.70	10% of the above costs	Spraying Miscellaneous		Le Le	1.32	5.00 3.47	L.S. 10% of the above cost
Net return		Le	125.95	234.30		Total	·	Le	14.52	38.17	
Net return ratio		%	95.4	88.8		Net return		Le	101.48	137.83	
						Net return ratio	·	%	87.5	78.3	

(13) CATTLE

	Unit	Average	Unit Price/Cost
Liveweight	1bs	440.00	
Gross return	Le	150.00	0.34Le/head
Input (per head)			
Veterinary cost and other expenses	Le	15.00	L.S.
Net return	Le	135.00	
Net return ratio	%	90.00	

(14) SHEEP

	<u>Unit</u>	Average	Unit Price/Cost
Liveweight	lbs	55:00	
Gross return	Le	44.00	0.80Le/head
Input			
Veterinary cost and other expenses	Le	4.40	L.S.
Net return	Le	39.60	
Net return ratio	%	90.0	

(15) GOAT

	Unit	Average	Unit Price/Cost
Liveweight	lbs	51.00	
Gross return	Le	40.80	0.8Le/1bs
Input	**************************************	e e e e e e e e e e e e e e e e e e e	
Veterinary cost and other expenses	Le	4.00	L.S.
Net return	Le	36.80	
Net return ratio	%	90.2	

APPENDIX B ECONOMIC PRICE OF FERTILIZER AT THE PROJECT AREA

(1)	Compound Fertilizer 20-20-0		(4) Single Super Phosphate	
	CIF at Freetown Clearing, handling, etc. Transportation cost from Freetown	216.00 ^{Le/ton} 5.00 20,00	CIF at Freetown Clearing, handling, etc. Transportation cost from Freetown	216.00 ^{Le/ton} 5.00 20.00
•	to Makeni		to Makeni	
	Transportation cost from Makeni to the Project Site*	10,00	Transportation cost from Makeni to the Project Site*	10.00
	Managing cost	5.00	Managing cost	5.00
	Economic price at the Project Site	256,00 ^{Le/ton} 0,12 ^{Le/1bs}	Economic price at the Project Site	256.00 ^{Le/ton} 0.12 ^{Le/1bs}
		a daga kebahan dan di Kabupatèn Perdamban Perdamban Perdamban Perdamban Perdamban Perdamban Perdamban Perdamban		
(2)	Urea		(5) Sulphate of Potash	
	CIF at Freetown	264.00 ^{Le/ton}	CIF at Freetown	264.00 ^{Le/ton}
	Clearing, handling, etc.	5.00	Clearing, handling, etc.	5.00
	Transportation cost from Freetown to Makeni	20.00	Transportation cost from Freetown to Makeni	20.00
	Transportation cost from Makeni to the Project Site*	10,00	Transportation cost from Makeni to the Project Site*	10.00
	Managing cost	5.00	Managing cost	5.00
	Economic price at the Project Site	309.00 ^{Le/ton}	Economic price at the Project Site	309.00 ^{Le/ton} 0.14 ^{Le/1bs}
		0.14Le/1bs		0.14
(3)	Compound Fertilizer 15-15-15			·
	CIF at Freetown	288.00 ^{Le/ton}		
	Clearing, handling, etc.	5.00		
	Transportation cost from Freetown to Makeni	20.00		
	Transportation cost from Makeni to the Project Site*	10.00		
	Managing cost	5.00	and the state of t	en e
.*	Economic price at the Project Site	328.00 ^{Le/ton} 0.15 ^{Le/1} bs		

Note: * Cost for 1/2 distance from Makeni to Kamakwie Source: JICA Mission

APPENDIX C FUTURE POPULATION, HOUSEHOLD AND FARMLAND

			****	FUTURE	POPULAT	ION **	***				
					٠,	•		:			٠.
			וא	'Н ТНЕ-ROA	D PROJECT					•	
	1978	1979	1930	1981	1982	1983	1984	1985	1986	1987	1988
										1701	
MAKARI GBANTI	5546.	5670.	5796		o056.	190.	6327.	6518.	6715.	6917.	7126
PENDENBU GOWAHUN	25169	25377.	25587 . 17734 .		20009. 18386.	26222. 18720.	26436	26861.	27293	27731.	28176
SANDA TENRARAN GBANTI KAMARANKA	17104. 16437.	17417. 1660o.	10776.	16948.	17121.		19060. 17471.	19559. 17787.	20070. 18109.	20594. 18430.	21132 18768
MAGBATAMBA	5300.	5323	5345.	5368	5391.	5413.	5436	5501.	5567.	5634.	5702
SANDA LOKO	13832.	13919.	14006.	14093.	14181.	14268.		14558.	14703.	14970.	15180
SELA LIMBA	23724.	24086.	24454.		25203.	25586.	25973.		27189.	27817.	28459
TOTAL	107112.	108397.	109698.	111014.	112346.	113694.	115058.	117359.	119707.	122100.	124543
		; ;					•				
			•						· ·		
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
MAKARI GBANTI	7340.	7561.	7786.	8022.	8263.	8510.	8765.	9027.	9297	9575	9860
PENDENBU GUWAHUN	28626.	29084.	29548.	30018.	30495.	30980.	31470.	31968.	32473.	32986.	33505
SANDA TENKARAN	21082.	22247.		23419.	24027.	24651.	25290.	25944.	26615.	27303.	28008
GBANTI KAMARANKA	19107	19450.	19800.	20155.	20516.	20883.	21256.	21635	22020	22412-	22810
MAGBAIAMBA Sanda loko	5770. 15392.	5839. 15607.	5909. 15825.	5979. 16045.	6050. 16268.	6122. 16493.	6194. 16721.	6267 . 16952 .	6341. 17186.	6415. 17423.	6491 17662
SELA LIMBA	29115.		30470.	31170.		32616.	33363.	34126.	34906.	35702.	36516
TOTAL	127033.		132165.		137504.		143059.	145920.		151816.	
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ngà gan nào sặt sạy giáo sớn lợp lưa gan can três goà con lớn tron tron Tre (1871 - 1881) biện (1881 - 1881)	-2500	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
MAKARI GBANTI				11088.			12105.		12833.		13603
PENDENBU GOWAHUN	•	34566.	35108.		36214.		37351.	37932.		39117.	39722
SANDA TENRAKAN				31006.				34311.	35189	•	37009
	23215. 6560.	23626. 0643.	24043. 6720.		24899. 6877.	25338• 6957•	25783. 7037.	26236. 7118.	26696 • 7200 •	27163. 7283.	27638 7366
			18397.	18648.		19158.	19418	19680.	19946.	20215	20487
SELA LIMBA				39951•				43692.	44677.	45684.	46713
TOTAL	157949	161107.						181433.		188762.	

***** FUTURE POPULATION *****

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	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	
MAKARI GBANTI	5546.	5670•	5796.	5924.	0050.	6190.	6327.	6467.	0610.	6756.	
PENDENBU GOWAHUN	25169.	25377.	25587.	25797.	26009.	26222.	20436	20651.	26867.	27084.	
SANDA TENRARAN	17104.	17417.	17734.	18057.	18386.	18720.	19060.	19405.	19756-	20113.	
GBANTI KAMARANKA	16437.	16606.	16776.	16948.	17121.	17295.	17471.	17648.	17826.	18005.	
MAGBALAMBA	5300.	5323	5345	5368•	5391.	5413.	5436	5458.	5480	5503.	•
SANDA LOKO .	13832	13919. 24086.	14006. 24454.	14093. 24826.	14181 • 25203 •	14268. 25586.	14356. 25973.	14444 . 20306 .	14532 • 26764 •	14621. 27168.	
SELA LIMBA	1071:12:		109698.			113694.		116439.	117836.	119250.	•
TOTAL		100721	10 30 30.5			113034.		.110.7371	111030+	112270	
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	1989	1990	1951	1992	1993	1994	19.95	1996	1997	1998	
MAKARI GBANTI	7057.	7212.	7370.	7532.	76.97	7866.	8038.	8213.	8392.	8575.	
PENDENBU GOWAHUN	27521.	27.742.	. 2 7 963.	28185.		28634.	28859.	29086.	29314.	29543.	
SANDA TENRARAN	20845•	21220.	21002.	21989.	22384.	22784.	23191.	23605	24026.	24453.	:
GBANTI KAMARANKA	18369	18553.	18738.	18924.		19302.	19492	19684.	19878.	20073.	
MAGBAIAMBA	5547.	5570.	5592	5614.	5636	5658.	5680	5702	5724.	5746.	•
SANDA LUKU	14798	14887	14976. 28836.	15065. 29267.	15155. 29704.	15244. 30147.	15334. 30595.	15424. 31049.	15514. 31509.	15604. 31976.	:
SELA LIMBA TOTAL	27991. 122129.	28411. 123594.	125077.	126578	128097.	129634.	131189.	132763.	134357.	135969.	
										.137,074	
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	2300	2001	2002	2003	2004	2005	2006	2007	2008	2009	
MAKARI GBANTI	8952	9147.	9345.	954.7.	9754.	9965.	10180.	10399.	10623.	10852.	
PENDENBU GOWAHUN	30003.	30235.	30468.	30702.	. 30937.		31410.	31648.	31887.	32127.	: .
SANDA TENKARAM	25329.	25778.	26234.	26697.	27168.	27647.	28133.	28627.	29129.	29639.	:
GBANTI KAMARANKA	20460	20666.	20866.	21068.	21271.	21476.	21682.	21890.	22099.	22309.	
MAGBAIAMBA	5785.	5811.	5832.	5854.	5875.	5897.	5918	5939	5960.	5981.	٠,
SANDA LOKO	15784.	15875.	15966.	16056.	16147.	16238.	1.6329.	16420.	16511.	16603.	
SELA LIMBA TOTAL	32927 • 139251 •	33411. 140922.	33902•	34400. 144324.	34903.	35413. 147808.	35936.	36454. 151377.	36984. 153193.	37521. 155031.	•

***** NUMBER OF FARM HOUSEHOLD *****

WITH THE KOAD PROJECT

•	•		•		••		•	•		•	•
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MAKAKI UBANTI	780.	797.	815.	833.	852.	870.	890.	917.	944.	973.	1002
ENDENBU GOWAHUN	3539.	3569.	3598	3628 .	3658.	3687.	3718.	3777.	3838.	3900.	3962
ANDA TENRARAN	2405.	2449.	2494.	2539.	2586.	2633.	2680.	2750.	2822.	2896.	2972
BANTI KAMARANKA	2311.	2335	2359	2383	2408.	2432.	2457.	2501.	2547.	2593.	2639
IAGBATAMBA	745.	749.	752.	755.	758.	761.	7.64.	774.	783.	792.	802
ANDA LUKO	1945.	1957.	1970.	1982.	1994.	2006.	2019.	2047.	2076.	2105.	2135
SELA LIMBĂ	3336.	3387.	3439.	3491.	3544.	3598.	3653.	3737.	3823.	3912.	4002
TOTAL	15063.	15243.	15426.	15611.	15799.	15988.	16180.	16504.	16834.	17170.	17514
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	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
AKARI GBANTI	1032.	1003.	1095.	1128.	1162.	1197.	1233.	1269.	1307.	1346.	138
ENDENBU GOWAHUN	4026.	4090.	4155.	4221.	4288.	4356.	4426.	4496.	4567.	4639.	471
ANDA TENRARAN	3049.	3129.	3210.	3293.	3379.	3467.	3556.	3648.	3743.	3839.	393
BANTI KAMARANKA	2687.	2735.	2784.	2834.	2885.	2937.	2989.	3042.	3097.	3152.	320
AGBAIAMBA	811.	821.	831.	841.	851.	861.	871.	881.	892.	902.	91
ANDA LUKT	2165.	2195	2225.	2256.	2288.	2319.	2351.	2384.	2417.	2450.	248
ELA LIMBA	4094.	4189.	4285.	4383.	4484.	4587.	4692.	4799.	4909.	5021.	513
TOTAL	17864.	18221.	18586.	18957.	19337.	19723.	20118.	20520.	20930.	21349.	2177

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	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
AKARI GBANTI	1428.	1470.	1514.	1559.	1606.	1653.	1702.	1753.	1805.	1858.	191
NOENBU GOWAHUN	4786,	4861.	4937.	5014.	5093.	5172.	5253.	5334.	5417.	5501.	558
ANDA TENRARAN .	4040.	4144.	4251.	4360.	4472.	4587.	4704.	4825.	4948.	5075.	520
BANTI KAMAKANKA	32 65 •	3322.	3381.	3441.	3501.	3563.	3620.	3689.	3754.	3820.	. 388
AGBA LAMBA	923.	934.	945.	956.	967.	978.	990.	1001	1013.	1024.	103
NDA LUKO	2518•	2552.	2587.	2622.	2658.	2694.	2731.	2768.	2805.	2843.	288
FLA LIMBA	5252.	5371.	5493.	5618.	5745.	5876.	6008.	6144.	6283.	6424.	656
TOTAL	22212.	22656.	23109.	23571.	24042.	24523.	25014.	25514	26024.	26545.	2707

]	978	1979	1980	1981	1982	1983.	1984	1985	1986	1987	198
MAKARI GBANTI		780.	797.	815.	833.	852.	070					
PENDENBU GOWAHUN		539.	3569	3598	3628.	3658	870. 3687.	ყ90. 3718.	909.	930.	950.	97
SANDA TENRARAN			2449.	2494.	2539.	2586	2633.	2680.	3748.	3778.	3809.	38:
BANTI KAMARANKA		311.	2335.	2359	2383.	2408	2432.	2457.	2729. 2482.	2778. 2507.	2828. 2532.	28
MAGBATAMBA		745	749.	752	755.	758	761.	764.	768.	771.	774.	25 7
SANDA LUKO		945.	1957.	1970.	1982	1994	2006.	2019.	2031.	2044	2056.	20
SELA LIMBA		336.	3387.	3439.	3491.	3544.	3598	3653.	3708.	3764.	3820.	38
TOTAL		063.		15426.	15611.	15799.	15988.	16180.	16374.	16571.	16770.	169
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	1	989	1990	1991	1992	1993	1994	1995	1996	1997	1998	19
MAKARI GBANTI		992.	1014.	1036.	1059.	1082.	1106.	1130.	1155.	1180.	1206.	12
ENDENBU GOWAHUN		870.		3932.	3964.	3995	4027.	4058.	4090•	4122.	4154.	41
ANDA TENRARAN		931.	2984•	3038.	3092.	3148.	3204.	3261.	3319.	3379.	3439.	35
BANTI KAMARANKA		583.	2609.	2635.	2661.	2688.	2714.	2741.	2768.	2795.	2823.	28
AGBATAMBA		780.	783.	78o •		793•	796.	799.	802.	805.	808.	. 8
ANDA LOKO		081.	2094.	2106.	2119.	2131.	2144.		2169.	2182.	2194.	22
SELA LIMBA TOTAL		936.	3995. 17380.	4055	4116.	4177.	4239.	4302.	4366•	4431.	4497.	. 45
TOTAL		174.	11.390.	1709+. 	17800.	18014.	18230.	18449.	18670.	18894.	19121.	193
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	2	000	2001	2002	2003	2004	2005	2006	2007	2008	2009	20
IAKARI GBANTI		259.	1286.	1314.	1343.	1372.	1401.	1432.	1462.	1494.	1526.	15
ENDENBU GOWAHUN		219.	4252.	4285.	4317.	4351.	4384.	4417.	4450.	4484.	4518.	45
ANDA TENRARAN		562.	3625.	3089	3754.	3821.		3956	4026.	4096.	4168.	42
BANTI KAMARANKA		873.	2906.	2934.	2963.	2991.	3020.	3049.	3078.	3108.	3137.	
IAGBATAMBA		814	817.	820.	823.	826.	829.	832.	835.	838.		· . 8
SANDA LOKU ELA LIMBA		220. 030.	2232.	2245.	2258.	2271.	2283.	2296.	2309.	2322.	2335.	. 23
TOTAL		582.	4698. 19817.	4767. 20055.	4837.	4908	4980.	5053.	5126.	5201.	5276.	53
HITAL	19	202.	12011.	20099	20296	20539.	20786.	21035.	21287.	21543.	21801.	. 220

APPENDIX D-I ACREAGE OF FUTURE FARMLAND

WITH THE POAD PROJECT

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	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MAKARI GBANTI	3744.	3827.	3912.	3999•	4088.	4178.	4271 •	4400.	4533.	4669.	4810
PENDENBU GOWAHUN	16989.	17130.	17271.	17413.	1,7556.	17700.	17844.	18131.	18423.	18719.	19019
ANDA TENRARAN	11545.	11756.	11971.	12189.	12411.	12636.	12865.	13202.	13547.	13901.	14264
BANTI KAMARANKA	11095.	11209.	11324.	11440.	11556.	11674.	11793.	12006.	12223.	12444.	12669
IAGBA IAMBA	3577.	3593.	3608.	3623.	3639.	3654.	3669.	3713.	3758.	3803.	3849
ANDA LOKO	9337.	9395	9454.	9513.	9572.	9631.	9690.	9827.	9965.	10105.	10247
SELA LIMBA	16014.	16258.	1,6506 •	16758.	17012.	17270.	17532.	17938.	18353.	18777.	19210
TOTAL	72301.	73168.	74046.	74935.	75834.	76744.	77664.	79218.	80802.	82418.	84066
	· .	:			1		:				•
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
IAKARI GBANTI	4955.	5104.	5257 .	,,5415.	5577.	5744.	5916.	6093.	6275.	6463.	6656
ENDENBU GOWAHÛN	19323.	19632.	19945.	20262.	20584.	20911.	21243.	21579.	21920.	22265.	2261
ANDA TENRARAN	14636.	15017.	15408.	15808.	16218	16639.	17070.	17512.	17965.	18430.	1890
BANTI KAMARANKA	12897.	13129.	13365.	13604.	13848.	14096.	14348.	14604.	14864.	15128.	1539
AGB4 I AMB4	3895.	3941.	3988	4036.	4084.	4132.	4181.	4230.	4280.	4330•	438
ANDA LOKO	10390.	10535.	10082.	10830.	10981.	11133.	11287.	11443.	11601.	11760.	1192
ELA LIMBA	19653.	20105.	20567.	21040.	21523.	22016.	22520.	23035.	23561.	24099.	2464
TOTAL	65748.	87462.	89212.	90996.	92815.	94672.	96565.	98496.	100466.	102475.	10452
		H. P. P. H. F. C. C.			· · · · · · · · · · · · · · · · · · ·	~~~~ ~~~					
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·	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
AKARI GBANTI	6854.	7058.	7268:	7485.	7,707.	7936.	5171.	8413.	8662.	8919.	9182
ENDENBU GOWAHUN.	22971.	23332.	23698.	24068.	24444.	24820.	25212.	25604.	26001.	26404.	2681
ANDA TÉNRARAN	19393.	19892.	20404.	20929.	21466.	22017.	22582.	23160.	23752.	24359.	2498
BANTI KAMARANKA	15070.	15947.	16229.	16516.	16807.	17103.	17404.	17709.	18020.	18335.	1865
AGBAIAMBA	4432.	4484.	4536.	4589.	4642.	4696.	4750.	4805.	4860.	4916.	497
ANDA LÜKE.	12085.	12250.	12418.	12587.	12.758.	12932	13107.	13284.	13464.	13645.	1382
ELA LIMBA TOTAL	25210.	25783.	26369.	26967.	27578.	28203.	28840.	29492.	30157.	30837.	3153
	106615.	108747.	110922.	113141	115404.	117712.	120066.	122467.	124916.	127414.	12996

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	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	198
MAKARI GBANTI	3744.	3827.	3912.	3999.	4088.	4178.	4271.	4365.	4402•	4560.	466
PENDENBU GOWAHUN	16989.	17130.	17271.	17413.	17556.	17700.	17844.		18135.	18282.	1842
SANDA TENRARAN	11545.	11756.	11971.	12189.	12411.	12636	12865.	13099.	13336.	13577.	1387
GBANTI KAMARANKA	11095.	11209.	11324.	11440.	11556.	11674.	11793.	11912.	12032.	12154.	122
AAGBA TAMBA	3577.	3593.	3608.	3623.	3639.	3654.	3669.	3684.	3699•	3714.	∴37:
SANDA LOKO	9337.	9395•	9454.	9513.	9572	9631	9690	9750•	9809.	9869.	99.
SELA LIMBA	16014.	16258.	16506.	16758.	17012.	17270	17532.	17797.	18066.	18338.	186
TOTAL	72301.	73168.	74046.	74935.	75834 .	76744.	77664.	78596.	79539•	80494.	814
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	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	19
AKARI GBANTI	4763.	4868	4975.	5084•	5196.	5309.	5425	5544.	5665.	5788.	59
PENDENBU GOWAHUN*	18577.	18726.	18875.	19025.	19176.	19328.	19480.	19633.	19787.	19941.	200
SANDA TENRAPAN	14071.	14324.	14581.	14843.	15109.	15379.	15654.	15933•	16217.	16506.	167
SBANTI KAMARANKA	12399.	12523.	12648.	12774.	12901.	13029.	13157.	13287.	13417.	13549.	136
1AGBAI 4MB4	3745.	3760.	3775.	3789.	3804.	3819.	3834.	3849.	3864.	3878.	38
SANDA LOKO	9989.	10049.	10109.	10169.	10229.	10290.	10350.	10411.	10472.	10533.	105
SELA LIMBA	18854.	19177.	19464	19755.	20050	20349	20652	20958	21269.	21584	219
TOTAL	82437.	83426.	84427.	85440.	86465.	87503.	88553.	89615. 	90691.	91779.	928
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	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	20
14KAKI" GBANTI	6043.	6174.	6308	6445.	0584.	0726.	6871.	7020.	7171.	7325.	74
PENDENBU GOWAHUN	20252.	20409.	20566.	20724.	20882.	21042.	21202.	21362.	21524.	21686.	218
SANDA TENRARAN	17097.	17400.	17708.	18021.	18339.	13662	18990.	19323.	19662.	20006.	203
GBANTI KAMARANKA	13815.	13949.	14085.	14221.	14358.	14496.	14635.	14776.	14917.	150594	152
**************************************	3908.	3922.		3951.	3960.		3995.	4009.	4023•		40
SANDA LOKO			10777.				11022.				112
SELA LIMBA TOTAL	22225.	22 000	22884.	23220.	23300.	23904.	24253.	24000	24964	25326.	256

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	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	
SWAMP RICE	d421.	8794.	5043.	9462.	9893.	10337.	10795.	11292.	12189.	13164.	141 b
UPLANU KIĆI	39534.	41061.	4z717.	44550.	40425.	48325.	50256.	52344.	54254.	56383.	5856
MAIZE	2212.	2357.		2661.	2817.	2976.	3135.		3401.	3511.	
GUINEA CORN	1085.	1095.	1103.	1110.	1117.	1123.	1128.	1136.	1160.	1187.	362 121
MILLET	2482.	2522.	2563.	2603.	2642.	2081.	2720.	2764.	2856		30.5
CASSAVA	7353.	7419.	7480.	7534.	7580.	7637.	7686.	7751.	7958.		
SWEET POTATO	31.45.	3208.	3273.	3340.	3406.	3472.	3538.		3671.	8189.	84.
GROUNDNUTS	13795.	:4088.	14462.	14949.	15447.	15959.	16483.	17061.	•	3741.	38
TOBACCO	2227.	2235.	2259	2303.	2348.	2393.	2439.	2491.	17914. 2595.		1983
JRANGE	14706.	14869.	15032.	15196	15359.	15664.	16116.	34540.		2710.	28
MANGD	2672	2685	2698	2711.	2724.	2737.	2760.		34911.		355
BANANA	1216.	1228	1245					2794.	4074	4089.	41
,+	1210.	1220.	1247.	1266.	1893.	1903.	1912.	1922.	1943.	1968.	-23
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	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	19
WAMP RICE	15244.	16354.	17512.	18720.	19980.	21294	22663.	24090.	25576.	27123.	287
PLAND RICE	60813.	63117.	o5482 •	67909.		72957.	75581.	78272.	81034.	83867.	867
AIZE	3736	3851	3969.	4089.	4212	4336.	4463.			•	
UINEA CORN	1240.	1265.	1291	1316.	1341.	1365.	1388	1411.	1433.	4858	49
ILLET	3159.	3262.	3365.	3468.	3571.	3675.	37.79			1454.	14
ASSAVA	8650.	8381.	9110.	9339.			10015.		3987.	4091.	41
WEET PUTATO	3883.	3954.	4026	4098	4171.	4243.	4316.	10237. 4389.	10456.	10673.	108
ROUNDNUTS	20845.	21897.	22989.	24122	25297.	26516.	27779.		4462.	•	46
OBACCO	2955	3083.	3217.	3356.	3499.	3648.		29090	30448.		333
RANGE	35965	30364.	41987.	42495 . :			3803.	3963.	4128 •	4300.	44
ANGO	4115	4135.	4161.	4952		43424.	43838.	44218.	44559.	44860.	451
ANANA	2417	2439	2461.	2481.	4967. 2500.	4980. 2518.	4991. 2535.	4999. 2550.	5004. 2564.	5007. 2576.	50 25
			· .						•	·.	
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	20
MAMP RICE	30412.	31227.	32063.	32921.	33799.	34700.		36570.	37540.	38534.	 205
PLAND RICE .	89754.	92811.	95946.	99161.		105836.		109507.	111388.	113301.	395
41 Z = .	5133.	5274.	5417.	5563.		5862.	5933.	6004.			1152
JINCA CORN	1454	1513.	1531.	1547.	1563.		1506.		6076		:62
LLET	4298	4401	4503.	4605	4706.	4806.		1554.		1527.	15
SSAVA	11096.	11302.	11503.	11700.		12078	4815	4824	4831.	4836.	48
VEET PUTATU	4002	4755	4828.	4901.			12058.	12031.	11999.	11961.	119
OUNDAUTS					49.74.	5046.		5100.	5125.	5150.	51
•	34825	56390 •	200,420	39691.			44323.	45444.	46592.	47767.	489
DBACCO BANGE	4662	4197	4936.		5225	5375		5687.		6015.	61
RANGE	45327	45484.	45587.	45634	45617.	45535.	45383.	45156.	44852.	44461.	439
ANGO ANANA	5005. 2595.	4999	4990.		4963.	4943.	4920.	4894.	4863.	4827.	47
A A R A A A	/りらり - ・	2602.	2607.	2010.	2611.	2609.	2606.	2600.	2592	2580.	25

					WITH	THE ROAD	PROJECT		٠.	:	•	1(000 Lbs.
			1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
CATTLE SHEEP GOATS	: :		4241. 1523. 2697.	4285. 1539. 2725.	4331. 1555. 2754.	4376. 1572. 2783.	4422. 1588. 2812.	4469. 1605. 2842.	4517. 1622. 2872.	4601. 1053. 2926.	4667. 1684. 2981.	4775. 1715. 3036.	4864. 1747. 3093.
•		:				N							
	:	•	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
CATTLE SHEEP GUATS			4955. 1780. 3151.	5049. 1813. 3210.	5144. 1847. 3271.	5240. 1882. 3332.	5339. 1918. 3395.	5440. 1954. 3460.	5543. 1991. 3525.	5648. 2029. 3592.	5756. 2067. 3660.	5865. 2107. 3730.	5977. 2147. 3801.
													:
			2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CATTLE SHEEP GOATS			60.91. 21.88. 38.73.	6207. 2230. 3947.	6326. 2272. 4023.	6447. 2316. 4100.	6571. 2360. 4179.	6697. 2405. 4259.	6826. 2452. 4341.	6958. 2499. 4424.	7092. 2547. 4510.	7229. 2597. 4597.	7369. 2647. 4686.

									•		•	
				wITi	HOUT THE	ROAD PROJ	€CT /	·				1000 Lbs
		1978	1979	198)	1981	1982	1983	1984	1985	1986	1987	1988
SWAMP RICE		8421.	8704.	9045.	9462.	9893.	19337.	10795.	11205.	11954.	12664.	13397
JPLAND RICE		39534.	41061.	42717.	4455c.	40425.	48325.	50256.	52219.	53446.	54691.	55954
MAIZE		2212.	2357.	2505.	2661.	2817.	2976.	3135.	3296.	3339.	3381.	3424
GUINEA CORN		1065.	1095.	1103.	1110.	1117.	1123.	1128.	1134.	1141.	1148.	1155
MILLET	•	2482.	2522.	2563.	2603.	26.42	2681.	27.20.	2758.	2807.	2855.	2903
CASSAVA		7353.	7419.	7430.	7534.	7586	7637.	7686	7733.	7805.	7875.	7943
SWEET PUTATO		3145.	3208.	3273.	3340.	3406.	3472.	3538.	3604.	3617.	3631.	3643
GROUNDNUTS	• •	13795.	14088.	14462.	14949.	15447.	15959.	16483.	17020.	17630.	18255.	
TOBACCO	•	2227.	2235.	2259	2303.	2348.	2393.	2439.	2485.			18896
DRANGE	: ;	14706.	14869	15032.	15196.	15359.	15664.	16116.	3454û.	2561 .	2638.	2717
		2672.		2658.		2724.	2737.			34740.	34924.	35092
MANGO	•	•	2685.	• •	2711.			2760.	2794.	4056.	4053.	4050
BANANA		1216.	1228.	1245.	1266.	1893.	1903.	1912.	1922.	1930.	1938.	1946
				. •				·				
· · · .							1	:				
	·	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
SWAMP KICE		14153.	14933.	15736.	16564.	17418.	18296.	19202.	20134.	21094.	22081.	23098
JPLAND RICE	•	57235.	58535.	59854	61192.	62550.	63927.	65323.	66740.	68177-	69634.	71112
4A1ZE		3467.	3510.	3554.	3597.	3641.	3685.	3729.	3773.	3817.	3862.	3906
GUINEA CORN		1161.	1166.	1171.	1176.	1180.	1183.	1185.	1187.	1189.	1189.	1189
MILLET		2950.	2997.	3042.	3087.	3131.	3174.	3216.	3.257.	3297.	3336.	3374
CASSAVA	: .	8007.	8070.	8129.	8186.	8240.	8290.	8338.	8382.	8422	8459.	8493
SWEET POTATO		3656.	3668.	3679.	3690.	3700.	3710.	3719.	3727.	3735.	3743.	3749
GROUNDNUTS	•	19554.	20228.	20920.	21629.	22356.	23101.	23864.	24647.	25449	26270.	27112
TOBACCO		2797.	2880.	2965.	3052.	3141.	3232.	3326.	3421.	3519.	3619.	3722
JRANGE	•	35244.	35377.	35492	35586.	35661.	35715.	35745.	35753	35736.		
MANGO	·	4045	4040.	4034	4028	4020	4011.	4002		3979.	35694	35626
		1953.	1959.	1965.	1971.	1976.	1980.		3991.		3967	3953
BANANA 		1900.	1309.	1905.	7217.	1910.	1900+	1984.	1987.	1990.	1992.	1993
			•				•					
				•								•
		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
SWAMP RICE	-	24144.	2+597•	25058,	25526.	26002.	26485.	26977.	27476.	27984.	28500.	29024
JPLAND RICE		72611.	74131.	75672.	77235.	78819.	80426.	81168.	81915.	82669.	83429.	84195
141ZE		3951.	3996.	4041.	4086.	4131.	4176.	4193	4211.	4227	4244	4261
SUINEA CURN		1188.	1187.	1184.	1181.	1177.	1172.	1155.	1137.	1119.	1100.	1081
MILLET		3410.	3445.	3479	3512.	3543.	3573.	3552		3507.	3484.	3459
CASSAVA		8522	8547.	8568	8585.	8598	3606.	8524.	8438.	8350.	8258.	8162
SWEET POTATO		3755.	3761.	3765	3769	3772.	3775.	3765	3756.	3745 .	3733.	3721
ROUNDNUTS		27974.	28857.	297.01.	30688.	31636	32607.	33171.				
FUBACCO				3988	4071.				33742.	34323	34913.	35512
	• • • • •	3826.	3507.			4156.	4241	4329.	4417.	4508.	4599 .	4693
DRANGE		35531.	35400	35252.	35068. ·	34851.	34602	34317.	33996.	33640	33243	32807
ANGU		3938.	3922.	3905	3887.	3868	38+7.	3826.	3803.	3778.	3753.	3726
BANANA	•	1994.	1994.	1993.	1991.	1989.	1986.	1982.	1978.	1973.	1966.	1959

			·	WITE	HOUT THE R	OAD PROJE	СТ			·	•	1000 lbs
		1976	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
CATTLE SHEEP GOATS		4241. 1523. 2697.	4285. 1539. 2725.	4331. 1555. 2754.	4376. 1572. 2783.	4422. 1588. 2812.	4469. 1605. 2842.	4517. 1622. 2872.	4565. 1640. 2903.	4014. 1657. 2934.	4663. 1675. 2965.	4712 1692 2997
				· :			· · · · · · · · · · · · · · · · · · ·					
	:	1989	1990	1991	1992	1993	1594	1995	1996	1997	1998	1999
CATTLE SHEEP GOATS		4764. 1711. 3030.	4816. 1730. 3062.	4808. 1748. 3095.	4921. 1767. 3129.	4974. 1787. 3163.	5028. 1800. 3198.	5083. 1826. 3233.	5139. 1846. 3268.	5196. 1866. 3304.	5253. 1887. 3340.	531 190 337
		2000	2001	2002	2003 	2004	2005	2006	2007	2008	2009	2010
CATTLE SHEEP GNATS		5370. 1929. 3415.	5429. 1950. 3453.	5490. 1972. 3491.	5551. 1994. 3530.	5613. 2016. 3570.	5676. 2039. 3610.	5740. 2062. 3650.	5805. 2085. 3692.	5871. 2109. 3733.	5937. 2133. 3776.	6005 2157 3819

APPENDIX D-3	INCREM	-ΝΤΔΙ ΄	VALUE A	אטטבט		٠.				•	•
7.11 Z.11.51/1 B	HOILEM	(Y 1 / \ L,,,	VALUE A	ADDED						. 1	.000 Les.
	1976	1979	1980	1981	1982	1985	1964	1985	1986	1987	1988
SWAMP RICE	V•	0.	0.	с.	0.	Ü.	ó.	2.	16.	33.	52 .
UPLANG RICE	٠.	Ü.	0.	0.	0.	v.	0.	7.	50.	105.	163.
MAIZE	. Ů.	. G.	Ŋ.	⊙.	0.	0.	ů.	C •	3	6.	10.
GUINEA CORN	્રે.	0.	୍ ପୁ ୍	્રે•	<u>Q</u> •	0.		0.	1.	2•	2.
MILLET	· .	٥.	Ų. 0	Ç.	U.	ð.	e.	5.	3.	5 •	: 8.
CASSAVA	() .	. U.	0.	0. .0.	⊹0. 0.	Ŭ•	. V.	0.	2.	4.	7.
SWEET POTATO	ن. ن.	0. 0.	0.	0.	0.		0.	0.	1.	3.	4.
GROUNDINUTS	U •	0.	Ü.	0.	0.	0. 0.	0.	3 •	20.	41.	65.
.TOBACCO	Ú.	Ů.	0.	0.		0.	0.	0.	10.	21.	33.
MANGO		0.	0.	n.	0.	0.	G.	. 0.	3. 0.	Ó. 1	9.
BANANA	0.	0. .		á.	0.	. 0.	o.	0.	0.	1.	1. 14.
TOTAL	Ů.	ő.	ű.	0.	J.	Ŏ.	ő.	15.	169.	229.	369.
					•		: "		:	• •	•
											• ••
						:				: · · .	٠.
	1989	1990	1991	1992	1993	1994	1995	1,996	1997	1998	1999
SWAMP RICE	13.	95.	119.	146.	174.	204.	237.	272.	309.	350.	392.
UPLAND RICE	224.	288.	355.	425.	499.	570.	657.	741.	829.	921.	1018.
MAIZE	14.	17.	21.	25.	. 30.	34.	39.	44.	49	54.	59.
GUINEA CORN	3.	4.	5.	6.	. 7	δ.	. 9 •	10.	11.	12.	13.
MILLET	11.	14.	17.	21.	24.	27.	31.	34.	38.	42.	46.
CASSAVA	9.	12.	14.	16.	19.	21.	24.	27.	29	32.	34.
SWEET POTATO	6.	7.	9.	10.	12.	13.	15.	17.	19.	20.	22.
GROUNDNUTS	90.	116.	144.	174.	206.	240.	276.	314.	354.	397.	442.
TOBACCO	46.	60.	74.	90.	106.	124.	142.	162.	183.	205.	229.
ORANGE	13.	18.	112.	120.	128.	130.	143.	150.	158.	164.	171.
MANGU	2.	3.	4.	24.	25.	26.	26.	27.	28.	28.	29.
BANANA	15.	15.	16.	17.	17.	18.	18.	19.	19.	20.	20.
TUTAL	505.	649•	891.	1075.	1247.	1427.	1617.	1817.	2026 •	2246.	2476.
	• .		٠.								
				1							
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
SWAMP RICE	438.	400.	494.	524•	555.	587.	621.	656.	692.	730.	769.
UPLAND RICE	1118.	1223.	1332.	1446.	1565.	1089.	1768.	1849.	1932	2018.	2105.
MAIZE	65.	70.	76	ø 2 •	,89.	95.	99.	103.	107	111.	115.
GUINEA CORN	14.	15.	16.	17.	18.	19.	20.	20.	21 •	21.	22•
MILLET	50.	54.	58.	02.	00.	71.	73.	75.	77.	79.	81.
CASSAVA	37.	40.	42	45.	48.	50.	51.	52.	53	54	55.
SWEET PUTATO	24.	26.	28.	30.	32.	34.	35.	36.	38	39.	. 40.
GROUNDNUTS	490.	540.	593.	649.	708.	770.	811.	853 .	897.	943.	990
TOBACCO	253.	271.	290.	309.	329.	350.	372.	395.	419.	444	470.
ÜRANGE	177,	183.	189.	194.	199.	203	200.	209.	211	212.	212.
MANGO	29.	3C.	30.	30.	31.	31.	31.	31.	31.	31.	31.
HANANA	2.1.	21.	21.	21.	22.	22.	22.	22.	22.	22.	: 22.
TOTAL		2939.	3171.	3411.	3661.		4109.	4302.	4499	4703.	4911.

		•		•									
		•	•		****	VALUE Á	0 020 *	***					
			1978	1979	1980	1981	1982	1983	1984	1985	1986	1:00 1:987	0 Les. 1988
CATTLE SHEEP GOATS TOTAL	· .		Ů• 0• 0• 0•	0. 0. 0.	0. 0. 9.	0. 0. 0.	0. 0. 0.	0. 0. 0.	0. 0. 0.	14. 1. 1.	29 • 1 • 2 • 32 •	44. 2. 3. 49.	60. 3. 4. 67.
			1989	1990	1991	1992	1993	1994	1995	1996	1997	1598	1999
CATTLE SHEEP GUATS TOTAL	•		76. 3. 6. 85.	92. 4. 7. 103.	109. 5. 8. 122.	127. 6. 9. 142.	145. 6. 11. 162.	163. 7. 12. 183.	182. 8. 13. 204.	202. 9. 15. 226.	222. 10. 16. 248.	242. 11. 18. 271.	264. 12. 19. 295.
			2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CATTLE SHEEP GDATS TUTAL			286. 13. 21.	308. 14. 23. 345.	331. 15. 24. 370.	355. 16. 26. 397.	379. 17. 28. 424.	404, 18, 30, 452,	430. 19. 32. 481.	456. 20. 34. 511.	484. 22. 36. 541.	512. 23. 38. 572.	540. 24. 40. 604.

Sec.	7	TH	· Ε1	125	R/JA(· ·	DON:	13-6	
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APPENDIX	<i>u</i> – 4	LACAL	, '/ INIC'I IN A [7]									
		こしつべに	CONSUMP	TION	•							·
						•						
						- *						
				N I f	THE RUA	U PRUJECI						
								• •				1000 Les.
		1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
ICE (PADDY)		36253.	36918.	37593	38278	38975.	39684.	40403.	41459.	42542.	43651.	44787
AIZE		2207.	2241.	2277.	2313.	2349.	2387.	2424.	2482.	2541.	2601.	2663
UINEA CORN		1082.	1086.	1091.	1095.	1100.	1104.	1108.	1121.	1134.	1147.	1161
ITLLET		2474.	2504.	2535	2565.	2597.	2628.		2714-	2768.	2824.	2881
CASSAVA		7348.	7411.	7475.	7540•	7604.	7670.	7736	7863.	79.93	8125.	8260
WEET POTATO	•	3128.	3158•	3189.	3220.	3251.	3283•	3314.	3373.	3433.	3493.	3555
ROUNDNUTS		2356.	2385	2413.	2442.	2472.	2501.	2531	2582.	2634.	2686.	2740
OBACCO	: '	0.	0.		0.	0.	0.	0.	0.	O.	0.	0
IRANGE		2941.	2974	30C6.	3039	3072.	3133.	3223.	6908	6982.	7053.	7120
IANGU		1330.	1343.	1349.	1356.	1362.	1369.	1380.	1397.	2037.	2044.	2051
ANANA	•	851.	860.	871.	886-	1325.	1332.	1339.	1345.	1360.	1378.	1675
TOTAL	. :	59976.	60880	61799.	62734.	64107	65089	66119.	71244.	73424	75003	76892
								· ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		*****	. 	*****
•.											. ,	
		1000		1007	2000	1.000	1004	1005	3007	1007		
		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
ICE (PADDY)	· · · · · · · · · · · · · · · · · · ·	45952.	47145.	48367-	4962C.	50903 .	52218.	53565.	54945.	56358.	57807.	59290
AIZE	: '	2726.	2791.	2857.	2925.	2994.	3065.	3137.	3211.	3287.	3365.	3444
UINEA CORN		1174.	1187.	1201.		1228.	1241-	1255.	1269.	1282.	1296.	1310
ILLET	garte de la casa de la	2939.	2998	3058.	3120.	3183.	3247.	3312.	3379.		3516.	3587
ASSAVA		8396.	8534.	8675.	8817	8962.	9110.	9259.	9411.	9565.	9722.	9881
WEET POTATO		3618.	3682	3746.	3813.	3880.	3948.	4018.	4089.		4234	4308
ROUNDNUTS		2795.	2851.	2908.	2966	3025.	3086.	3147.	3210.	3274.	3340.	3407
OBACCO		0.	G.	C.	G.	0.		0.	i 0.		0.	. 0
RANGE		7193.	7273.	8397	8499	8595	8685	8768.	8844.	8912.	8972	9023
ANGU		2058.		2081.	2476.	2484.	2490.	2495.	2499.	2502.	2504.	2504
ANANA			1708.	1723.	1737.	1750.		1774.		1795 •	1803.	
TOTAL			80235-					90730.				98565
	•			•							•	
	·	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
ICE (PADDY)		60810.	62367.	03962.	65596.		_	70740.	72538.	74380.	76267.	78200
AIZE		3525.	3608.	• • • •	3780.		3960.		:	4246.	4346.	4448
UINEA CORN		1324.	1338.		1366.		1393.		1421.	1435.	1449.	
ILLET		3659.	3733.	3808.	3885.	3963.		4124.	4208.	4292 •	4379.	4467
ASSAVA		10043.	10207.		10543.	10714.	10889.	11000.	11246.	11429.	11614.	11803
NEET POTATO	•	4384		4545	4619.	4701.		4867.		5039.	5128.	5218
ROUNDHUTS		3475.	3544.	3615.	3688.	3701.	3837.	3913.	3992		4153.	4236
OBACCO	·.	0.	0.	0.	0.	c.	0.	ű.		Õ.		
RANGE	•	9065		9117.	9127.	0,17	9107.	9077.	9031.		8892	8797
ANGO	••		2500	2495.	2489.	2481.			2447.		2414.	
ANANA		1816.		1825.	1827.	1827.	1827.	2460. 1824.		1814	1806	1797
TOTAL		103604	102676-	104780	106918-	109089	111294-	113532	115803-	118109.	120448	122021

:	2.5			жхіп	THE KUAD	PROJECT .					10	00 Les.
		1976	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
		2892. 1392. 1500. 5784.	2927. 1409. 1518. 5853.	2962. 1426. 1536. 5924.	2997. 1443. 1554. 5995.	3033. 1461. 1573. 6067.	3070. 1478. 1592. 6139.	3107. 1490. 1011. 6213.	3169. 1526. 1643. 6337.	3232. 1556. 1676. 6464.	3297. 1587. 1709. 6593.	3363. 1619. 1744. 6725.
					: .					·		
· .		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
	*** *** *** *** *** *** ***	3430. 1651. 1778. 6860.	3498. 1684. 1814. 6997.	3568. 1718. 1850. 7137.	3640. 1753. 1887. 7280.	3713. 1788. 1925. 7425.	3787. 1823. 1964. 7574.	3863. 1860. 2003. 7725.	3940. 1897. 2043. 7880.	4019. 1935. 2084. 8037.	4099. 1974. 2125. 8198.	4181. 2013. 2168. 8362.
										·		
	· .	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		4265. 2053. 2211. 8529.	4350. 2094. 2256. 8700.	4437. 2136. 2301. 8874.	2179. 2347.	2223. 2394.	4708. 2267. 2441. 9417.	4803. 2312. 2490. 9605.	4899. 2359. 2540. 9797.	4997. 2406. 2591. 9993.	5097. 2454. 2643. 10193.	5199. 2503. 2696. 10397.
			2892. 1392. 1500. 5784. 1989 3430. 1651. 1778. 6860. 2000 4265. 2053. 2211.	2892. 2927. 1392. 1409. 1500. 1518. 5784. 5853. 1989 1990 3430. 3498. 1651. 1684. 1778. 1814. 6860. 6997. 2000 2001 4265. 4350. 2053. 2094. 2211. 2256.	2892. 2927. 2962. 1392. 1409. 1426. 1500. 1518. 1536. 5784. 5853. 5924. 1989 1990 1991 3430. 3498. 3568. 1651. 1684. 1718. 1778. 1814. 1850. 6860. 6997. 7137. 2000 2001 2002 4265. 4350. 4437. 2053. 2094. 2136. 2211. 2256. 2301.	2892. 2927. 2962. 2997. 1392. 1409. 1426. 1443. 1500. 1518. 1536. 1554. 5784. 5853. 5924. 5995. 1989 1990 1991 1992 3430. 3498. 3568. 3640. 1651. 1684. 1718. 1753. 1778. 1814. 1850. 1887. 6860. 6997. 7137. 7280. 2000 2001 2002 2003 4265. 4350. 4437. 4526. 2053. 2094. 2136. 2179. 2211. 2256. 2301. 2347.	2852. 2927. 2962. 2597. 3033. 1392. 1409. 1426. 1443. 1461. 1500. 1518. 1530. 1554. 1573. 5784. 5853. 5924. 5995. 6067. 1989 1990 1991 1992 1993 3430. 3498. 3568. 3640. 3713. 1651. 1684. 1718. 1753. 1788. 1778. 1814. 1850. 1887. 1925. 6860. 6997. 7137. 7280. 7425. 2000 2001 2002 2003 2004 4265. 4350. 4437. 4526. 4616. 2053. 2094. 2136. 2179. 2223. 2211. 2256. 2301. 2347. 2394.	2892. 2927. 2962. 2997. 3033. 3070. 1392. 1409. 1426. 1443. 1461. 1478. 1500. 1518. 1536. 1554. 1573. 1592. 5784. 5853. 5924. 5995. 6067. 6139. 1989 1990 1991 1992 1993 1994 3430. 3498. 3568. 3640. 3713. 3787. 1651. 1684. 1718. 1753. 1788. 1823. 1778. 1814. 1850. 1887. 1925. 1964. 6860. 6997. 7137. 7280. 7425. 7574. 2000 201 2002 2003 2004 2005 4265. 4350. 4437. 4526. 4616. 4708. 2053. 2094. 2136. 2179. 2223. 2267. 2211. 2256. 2301. 2347. 2394. 2441.	2892. 2927. 2962. 2997. 3033. 3070. 3107. 1392. 1409. 1426. 1443. 1461. 1478. 1496. 1500. 1518. 1536. 1554. 1573. 1592. 1611. 5784. 5853. 5924. 5995. 6067. 6139. 6213. 1989 1990 1991 1992 1993 1994 1995 3430. 3498. 3568. 3640. 3713. 3787. 3863. 1651. 1684. 1718. 1753. 1788. 1823. 1860. 1778. 1814. 1850. 1887. 1925. 1964. 2003. 6860. 6997. 7137. 7280. 7425. 7574. 7725. 2000 2001 2002 2003 2004 2005 2006 4265. 4350. 4437. 4526. 4616. 4708. 4803. 2053. 2094. 2136. 2179. 2223. 2267. 2312. 2211. 2256. 2301. 2347. 2394. 2441. 2490.	2892. 2927. 2962. 2997. 3033. 3070. 3107. 3169. 1392. 1409. 1426. 1443. 1461. 1478. 1496. 1526. 1500. 1518. 1536. 1554. 1573. 1592. 1611. 1643. 5784. 5853. 5924. 5995. 0067. 0139. 6213. 6337. 6337. 6213. 6213.	2852. 2927. 2962. 2997. 3033. 3070. 3107. 3169. 3232. 1392. 1409. 1426. 1443. 1461. 1478. 1496. 1526. 1556. 1500. 1518. 1536. 1554. 1573. 1592. 1011. 1643. 1676. 5784. 5853. 5924. 5995. 0067. 0139. 6213. 6337. 6464. 1589 1990 1991 1992 1993 1994 1995 1996 1997 3430. 3498. 3568. 3640. 3713. 3787. 3863. 3940. 4019. 1651. 1084. 1718. 1753. 1788. 1823. 1860. 1897. 1935. 1778. 1814. 1850. 1887. 1925. 1964. 2003. 2043. 2084. 6860. 6997. 7137. 7280. 7425. 7574. 7725. 7880. 8037.	1976 1979 1980 1981 1982 1983 1984 1985 1986 1987 2892. 2927. 2962. 2997. 3033. 3070. 3107. 3169. 3232. 3297. 1392. 1409. 1426. 1443. 1461. 1478. 1496. 1526. 1556. 1587. 1500. 1518. 1536. 1554. 1573. 1592. 1611. 1643. 1676. 1709. 5784. 5853. 5924. 5995. 6067. 6139. 6213. 6337. 6464. 6593. 1585 1990 1991 1992 1993 1994 1995 1996 1997 1998 3430. 3498. 3568. 3640. 3713. 3787. 3863. 3940. 4019. 4099. 1651. 1684. 1718. 1753. 1788. 1823. 1860. 1897. 1935. 1974. 1778. 1814. 1850. 1887. 1925. 1964. 2003. 2043. 2084. 2125. 6860. 6997. 7137. 7280. 7425. 7574. 7725. 7880. 8037. 8198. 2000 2301 2002 2003 2004 2005 2006 2007 2308 2009 4265. 4350. 4437. 4526. 4616. 4708. 4803. 4899. 4997. 5007. 2053. 2094. 2136. 2179. 2223. 2267. 2312. 2359. 2406. 2454. 2211. 2256. 2301. 2347. 2394. 2441. 2490. 2540. 2590. 2591. 2643.

				w IT	ноџт тне а	ROAD PROJ	ECT				10	000 Les.
		1978	1979	1983	1981	1982	1983	1984	1985	1986	1987	1988
RICE (PADDY)	-	36253.	36918.	37593	38278.	38975.	39684.	40403.	41134.	41877.	42632.	43399.
MATZE	•	2207.	2241.	2277.	2313.	2349	2387.	2424.	2462.	2501.	2540.	2580 •
GUINEA CURN		1082.	1086.	1091.	1095.	1100.	1104.	1108.	- 1112.	1116.	1121.	1125.
MILLAT		2474 •	<u>2504.</u>	2535.	2565.	2597.	2628.	2660.	2692.	2725.	2758.	2791
CASSAVA		7348.	7411.	7475 •	7540.	7604.	7670.	7736.	7802	7869.	7936.	8003.
SWEET POTATO		3128.	3 1 58.	3189.	-3220•	3251.	3283.	3314.	3347.	3379.	3412.	3445.
GROUNDNUTS	•	2356.	2385.	2413.	2442.	2472.	2501.	2531.	2562.	2592.	2623.	2655.
TUBACCO		Ú.	∵ 0.	.	0.	Ů.	0.	0.	0.	0.	0.	0.
OFANGE		2941.	2974.	3006.	3039.	3072.	3133.	3223.	6908.	6948.	6985.	7018.
MANGO	. :	1330.	1343.	1349.	1356.	1362.	1369.	1380.	1397.	2028.	2027.	2025.
BANANA	•	851.	860.	871.	886.	1325.	1332.	1339.	1345.	1351.	1357.	1362.
TOTAL	• :	59976.	60880.	61799.	62734.	64107.	65089.	66119.	70761.	72387.	73390.	74403.
												~~~~~ <u>~</u>
•	: :			•	:	: ·			•			
	•	·						÷		•	•	
	:	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
RICE (PADDY)		44178.	44969	45773.	46590	47420.	48264.	49120.	49991.	50875.	51773.	52685.
MAIZE		2621.	2602.	2704.	2746.	2789.	2833.	2877.	2922.	2967.	3013.	3060.
GUINEA CORN	•	1129.	1132.	1136.	1140.	1144.	1147.	1151.	1154.	1158.	1161.	1164.
MILLET		2825.	2860.	2894.	2929.	2965.	3001.	3037.	3074.	3112.	3149.	3188.
CASSAVA .		8072	8140.	8209.	8279.	8349.	8420.	8491	8562.	8635.	8707.	8780.
SWEET POTATO		3478	3512.	3546.	3580.	3614.	3649.	3684.	3720.	3756	3792.	3828.
GROUNDNUTS		2687.	2719.	2752.	2785•	2813.	2852,	2886.	2921.	2956.	2991.	3027.
TOBACCO		0.	0.	9.	0.	0.	0.	0.	Ó.	0.	0.	0.
ORANGE		7049.	7075	7098.	7117.	7132.	7143.	7149.	7151.	7147.	7139.	7125.
MANGU		2023.	2020.	2017.	2014.	2010.	2006.	2001.	1995.	1990.	1983.	1976.
BANANA	·.	1367.	1372.	1376.	1380.	1383.	1386.	1389.	1391.	1393.	1394.	1395.
TOTAL		75427	76461.	77505.	78560.	79625.	80700.	81785.	82881.	83986.	85103.	86229.
								******				
		• :				·	**	· :				
		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
RICE (PADDY)		53612.	54553.	55509.	56481.	57467.	5847ú.	59488.	60522.	61572.	62639.	63722.
MAIZE		3108.	3156.	3205.	3255•	3305.	3357.	3409.	3461.	3515.	3569.	3624.
GUINEA CORN		1167-	1,170.	1173.	1176.	1178.	1181.	1184.	1186.	1188.	1190.	1192.
MILLET		3226.	3265.	3305.	3345.	3386.	3427.	3468.	3511.	3553 •	3596.	3640.
CASSAVA		8854.	8928.	9002.	9078.	9153.	9229.	9306.	9383.	9461.	9539.	9617.
SWEET POTATO		3865.	3902.	3940	3977.	4016.	4054.	4093.	4132.	4172.	4212.	4252
GRIJUNDNUTS		3064.	3100.	3137.	3175.	3213.	3252.	3291.	3330.	3370.	3411.	3452
TUBACCU		0.	0.	Ü.	C•	. 0.	0.	0.	0.	0.	0.	0.
ORANGE		7100.	7081	7050.	7014.	6970.	6920.	6863.	6799.	6728.	6649.	6561.
MANGU	. :	1969	1961.		1944.	1934.	1924.	1913.	1901.	1889.	1876.	1863.
BANANA		1396	1390.	1395.	1394.	1392.	1390.	1388.	1385		1376.	1371.
TOTAL		87366	88513.	89070.	8 د ه ۵۰	92015.	.204 و 9	94401	95010.	96828.	98056.	99295
										~~~~		

	٠.		· · · ·	WITH	UU THE KI	JAO PROJEC	, 1				1	000 Les.
		1978	1979	1980	1981	1982	1933	1984	1985	1986	1987	1988
CATTLE SHEEP GOATS TOTAL		2892. 1392. 1500. 5784.	2927. 1409. 1518. 5853.	2962. 1426. 1536. 5924.	2997. 1443. 1554. 5995.	3033. 1461. 1573. 6067.	3070. 1478. 1592. 6139.	3107. 1496. 1611. 6213.	3144. 1514. 1630. 6288.	3182. 1532. 1650. 6363.	3220. 1550. 1669. 6439.	3258 1569 1690 6517
			:									
		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
CATTLE SHEEP GUATS TOTAL		3297. 1588. 1710. 6595.	3337. 1607. 1730. 6674.	3377. 1626. 1751. 6754.	3418. 1646. 1772. 6835.	3459. 1665. 1793. 6917.	3500. 1685. 1815. 7000.	3542. 1705. 1837. 7084.	3585. 1726. 1859. 7169.	3628. 1747. 18d1. 7255.	3671. 1768. 1904. 7342.	3715 1789 1926 7430
		20 C C	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CATTLE SHEEP GUATS TOTAL	 -	3760. 1810. 1950. 7520.	3805. 1832. 1973. 7610.	3851. 1854. 1997. 7701.	3697. 1876. 2021. 7794.	3944. 1899. 2045. 7887.	3991. 1922. 2069. 7982.	4039. 1945. 2094. 8077.	4087. 1968. 2119. 8174.	4136. 1992. 2145. 8272.	4186. 2015. 2170. 8372.	4236 2040 2196 8472

APPENDIX D-5 PRODUCERS SURPLUS

•		•	•	TIW	H THE KDA	O PROJECT					: .	•
		•								,		1000 Le
		1976	1979	1980	1981	1982	1983	1984	1985	1986	1987	198
CE (PADDY)	,	11702.	12843.	14108.	15739.	17343.	18979.	20648.	22177.	23902•	25896.	2796
175		6.	115.	229.	348.	468.	589.	711.	823.	861.	909.	. 95
JINEA CURN	•	"3•	ರ.	1.3 •	15.	17.	19.	20•	15.	26.	39.	. 5
LLET	•	7.	18.	28.	37•	46.	53.	60.	51.	87.	132.	17
ASSAVA		5.	7.	4.	-6.	-18.	-33.	-50.	-112.	-36.	63.	16
SET PUTATO		17.	5Ú•	84.	120.	155.	190.	L24.	239.	238•	248•	25
ROUNDNUTS		11430.	11703.	12049.	12506.	12976.	13457.	13952.	14479.	15281.	16109.	1709
BACCO		2227.	2235.	2259.	2303.	2348.	.2393.	2439.	2491.	2595•	2710.	283
RANGE		11764.	11895.	12026.	12157.	12287.	12531.	12893.	27632.	27929.	28211.	2847
ANGO	•	1330.	1343.	1349.	1356.	1362.	1369.	1380.	1397.	2037•	2044.	205
ANANA	•	365.	368.	373.	380.	568.	571.	574.	5 7 7.	583.	590	71
OTAL		38871.	40591.	42582.	44955.	47551.	50118.	52850.	69768.	73502	7701Z.	8073
					·.							
•			•									
	٠	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	199
CE (PADDY)		30165.	32326.	34626.	37009.	39477.	42033.	44679	47417.	50251.	53184	562
IZE		1010.	1061.	11.2.	1165.	1218.	1272.	1326.	1381.	1437.	1493.	15.
JINEA CORN		66.	.78	90.	102.	113.	123.	133.	142.	151.	158.	1
ILLET		221.	264.	306.	348.	388.	428.	467.	504.	540.	574.	6
ASSAVA		255	347.	435.	521.	603.		756.	826.	891.	951.	10
WEET POTATO	•	265	273.	280.	286.	291.	295.	298.	301.	302	302•	3
ROUNDNUTS		18050.	19647.	20082	21156.	22272.	23430.	24032	25879.	27173.	28515.	299
OBACCO ".	•	2955	3083•	3217.	3356.	3499.	3648.	3803.	3963.		4300.	44
RANGE		28772.	29091.	33590.	33996.	34379.	34739.	35071.	35375.	35648	35888.	360
ANGU		2058.	2067.	2081.	2476.	2484.	2490.	2495.	2499.		2504.	25
ANANA		725.	732	738.	744.	750.	755.	760.	765.	769.	773.	7
TOTAL	· :	84480	88368•	96557.	101159.	105475.	109890.	114420.	119052.	123792	128641.	1336
					,							
											•	
		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	20
CE (PADDY)		55355.	61671.	64047.	66485.	68987.	71553.	72540.	73539.	74548.	75568.	766
IZE	•	1607.	1665.	1724.	1782.	1842.	1901.	1879.	1855.	1830 -	1802-	17
JINEA CORN		171.	175.	179.		183.	183.		133.	106.	78.	
LLET	i	638.	668	υ95·	720.	742.	763.		016.	538.	457.	3
SSAVA		1053.	1095	1130.	1158.	1178.	1190.	992.	785.	570.	346.	1
EET POTATO		298	294	1289.	282.	273.	.263.	206.	147.	86.	22.	
STUNDNUC		31350	32846	34396.	36003.	37668.		40410		42520.	43614.	447
BACCI	•	4062	4797.	4936.	5079.	5225.		5529.	5087.		6015.	61
ANGE		36262	30387	36469.		36493.		36306.	36125.	35881.	35569	
NGU		25CZ	2500	2475.	2489.	2481.			2447	2431.	2414	
NANA		778	780.		783.	783.		7.82	780.		774.	
TOTAL		138677.	142878.			155855.	160302	161954.	163566	165137	166660-	1681

				1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1000 Les. 1988
CATTLE SHEEP GOATS TOTAL				1349. 131. 1197. 2677.	1359. 130. 1208. 2696.	1369. 129. 1218. 2716.	1379. 129. 1229. 2736.	1389. 128. 1239. 2757.	1400. 127. 1250. 2777.	1410. 127. 1262. 2799.	1432. 127. 1283. 2842.	1455. 127. 1305. 2887.	1478. 128. 1327. 2933.	1502. 128. 1350. 2979.
·.				1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
CATTLE SHEEP GOATS TOTAL			· · · · · · · · · · · · · · · · · · ·	1526. 128. 1373. 3027.	1550. 129. 1396. 3075.	1575. 129. 1421. 3125.	1601. 130. 1445. 3176.	1627. 130. 1470. 3227.	1653. 131. 1496. 3280.	1681. 131. 1522. 3334.	1709. 132. 1549. 3389.	1737. 132. 1576. 3446.	1766. 133. 1604. 3503.	1796. 134. 1633. 3562.
				2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CATTLE SHEEP GOATS TOTAL	<u> </u>	 -	:	1826. 134. 1662. 3622.	1857. 135. 1692. 3684.	1889. 136. 1722. 3747.	1921. 137. 1753. 3811.	1955. 138. 1785. 3877.	1989. 138. 1817. 3945.	2023. 139. 1851. 4013.	2059. 140. 1884. 4084.	2095. 142. 1919. 4156.	2133. 143. 1954. 4230.	2171. 144. 1991. 4305.

WITHOUT THE ROAD PROJECT

					WITHOUT THE RUAD PROJECT							1000 Les.		
			1978	1979	1990	1981	1982	1983	1984	1985	1986	1987	1988	
	RICE (PADDY)		11702.	12548.	14168.	15739.	17343.	18979.	20648.	.50 ق	23522.	24723.	25952.	
	MAIZE		0	115.	229.	348.		589.	711.	834•	838.	841.	844.	
	GUINEA CORN		3.	8.	13.		17.	19.	20.	21.	25.	28.	30.	
	MILLET		7 •	18.	28.	37.	46.	53.	60.	60.	. ಕ2∙	97.	112.	
	CASSAVA		5.	7.	4'•	• -6.	-18.	-33•	-50.	-69.		-61 _*	-61.	
	SWEET PUTATO		17.	50.	34.	120.	155.	190.	224.	257.	238.	219.	199.	
	GROUNDNUTS		11436	11703.	12049.	12500.	12976.	13457.	13952.	14458.	15037.	15631.	16241.	
	TOBACCO		2227	2235.	2259	2303.	2348.	2393.	2439.	2485.		2638.	2717.	
	DRANGE		11764	11895.	12026.	12157.	12287.	12531.	12893.	27632.	27792.	27939.		
	ANGO -	•	1336.	1343.	1349.	1356.	1362.	1369.	1380.	1397.	2028.	2027.	2025.	
O	BANANA		365.	368.	373.	•	568.	571.	574.	577.	>79•	581.	584.	
_	TOTAL		38871.	40591.	42582.	44955.	47551.	50118.	52850.	70008.	72639.	74664	76716.	
	·	• .		•		•	:						•	
		·	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
	RICE (PADDY)		27211.	28499.	29817.	31166.	32547.	35959.	35405.	30883•	38396.	39943.	41525.	
M	MAIZĖ į		846.	849.	850.	851.	852.	852.	852.	851.	850.	848.	846.	
	GUINEA CORN		32•	34.	35 • ;	30•	30.	36.	35.	33.		29.	25.	
M	ITLLET		125.	137.	148.	157.	166.	173.	178.	183.	185.	186.	186.	
	CASSAVA		-64.	-70.	-80 -	-93.	-109.	-129.	-153.	181.	-212.	-248.	-288.	
	SWEET POTATO		178.	150.	133.	110.	86.	61.	35.	8.	-20.	-49.	-79 .	
	SROUNDNUTS		16867.	17509.	18168.	18844.	19538.	20249.	20978.	21726.	22493.	23279.	24085.	
	TOBACCO	•	2797.	2880.	2965.	3052.	3141.	3232	3320.	3421.	3519.	3619.	3722.	
	JRANGE		28195.	28302.	28393.	28469•	Z8529 .	23572	28596.	28602.	28589.	28555.	28501.	
	IANGO		2023.	2020	2017.	2014.	2010.	2006.	2001.	1995.	1990.	1983.	1976.	
_	BANANA		580.	588.	590•	591.	593.			596.	597.	598.	. 598.	
_	TOTAL	i	78796.	80903.	83037.	85198.	87387.	89604.	91847.	94119.	96417.	98743.	101097.	
		· .				•	:				·.			
									•			. :	•	
-			2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
	ICE (PADDY)	, -	43143.	44175.	+5220.	46280.	47354.	48442.	48657.	48670.	49081.	49290•	49498.	
	ALZE		843.		636.		825.	819.		749.	713.	675.	637.	
	UINEA CORN		21.		11.	5.	-1.	-9.	-28.	-48-	-69.	-90.	-111.	
	HLLET		184.	180.	174.	167.	157.	146.	84.	20.	-46.	-113.	-181.	
	ASSAVA		-332.	-381.	-434.	-492.	-555.	-624.	-782.	-945.	-1111-	-1281.	-1455.	
	WEET POTATO		-110.	-141.	-174.	-208.	-243.	-279.	-327.	-377.	-427.	-478.	-531.	
	R JUNDNUTS		24910	25757.	26624.	27513.	28423.	29356		30412.	30953.	31502.	32060.	
	GBACCO		3826•	3907.	3988.		4156.	4241.	4329.	4417.	45 V8 •	4599.	4693.	
	RANGE	•	28424.	28325.	28202.	28054.	27881.	27681.		27197.	26912.	26594.	26246.	
	ANGO		1969	1961.	1953.	1944.		1924.		1901.	1889.		1863.	
	ANANA.		598		598.	597•	597.	596.	595.	593.	. 592 •	5.90.	588.	
٠.	TUTAL	· .	103478	105236.	:106993 .	108762.	110527.	112293	112556.	112790.	112995.	113166.	113305:	

			WITHOUT THE ROAD PROJECT								
									<u>. :</u>	1000 Les.	
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
CATTLE SHEEP GOATS TOTAL	1349. 131. 1197. 2677.	1208.	1369. 129. 1218. 2716.	1379. 129. 1229. 2736.	1389. 128. 1239. 2757.	1400. 127. 1250. 2777.	1410. 127. 1262. 2799.	1421. 126. 1273. 2820.	1432. 125. 1284. 2842.	1444. 125. 1296. 2864.	1455. 124. 1308. 2887.
									: · ·		
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
CATTLE SHEEP GDATS TOTAL	1467. 124. 1320. 2916.	1478. 123. 1332. 2933.	1491. 122. 1344. 2957.	1503. 122. 1357. 2982.	1515. 121. 1370. 3007.	1528. 121. 1383. 3032.	1541. 120. 1396. 3058.	1554. 120. 1409. 3084.	1568. 120. 1423. 3110.	1582. 119. 1437. 3138.	1596. 119. 1451. 3165.
											· .
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CATTLE SHEEP GOATS TOTAL	1610. 118. 1465. 3194.	1625. 113. 1480. 3222.	1639. 118. 1495. 3252.	1654. 118. 1510. 3282.	1670. 118. 1525. 3312.	1686. 117. 1540. 3343.	1702. 117. 1556. 3375.	1716. 117. 1572. 3407.	1735. 117. 1589. 3440.	1751. 117. 1605. 3474.	1769. 117. 1622. 3508.

APPENDIX E ANNUAL ADT IN SIERRA LEONE

APPENDIX F ADT BY MINISTRY OF WORKS IN 1978

APPENDIX G ADT BY MINISTRY OF WORKS ON THE PROJECT ROAD

APPENDIX H TRAFFIC COUNT BY JICA MISSION

APPENDIX I O-D TRAFFIC BY TYPE OF VEHICLES

APPENDIX J PROPOSED FEEDER ROAD PROJECTS IN NORTHERN AREA FOR 1978 - 81.

APPENDIX K COMPETITIVE ROUTES FOR DIVERTED TRAFFIC

APPENDIX L FORECAST OF FUTURE TRAFFIC

PART II TRAFFIC STUDY SECTOR

APPENDIX E ANNUAL ADT IN SIERRA LEONE

YEAR	WESTERN AREA	LUNGI AREA	PORT LOKO AREA	MAKENI AREA	BO AREA	KENEMA AREA	MILE 91	NATIONAL ANNUAL AVERAGE
1965	367	251	142	159	138	286	284	197
1966	567	278	181	132	174	309	291	151
1967	583	316	106	109	158	276	276	119
1968	567	286	176	91	182	200	208	190
1969	650	310	127	79	142	245	231	148
1970	717	306	125	86	92	237	258	135
1971	817	265	172	140	150	296	218	112
1972	1,013	348	220	183	216	348	239	367
1973	1,013	348	278	285	200	976	414	502
1974	246	299	177	120	105	514	112	225
1975	1,509	187	166	148	130	944	132	459
1976	1,737	200	164	245	125	304	134	417
1977	795	267	152	206	102	268	140	276
1978	1,131	278	174	176	118	396	121	342

NOTE: This data is average of ADT at all traffic count stations.

SOURCE: Ministry of Works' Data

APPENDIX F

ADT BY MINISTRY OF WORKS IN 1978

WESTERN AREA

				<u> </u>		
STATION No.	ROAD	CARS	VANS AND PICKUPS	TRUCKS AND BUSES	EXTRA HEAVY VEHICLES	TOTAL
WA- 1	Waterloo - Grafton	407	526	288	91	1311
WA 2	Waterloo - Masiaka	466	526	319	52	1363
WA- 3	Waterloo - Benguema	65	99	52	9	225
WA 4	York - Freetown	101	64	48	13	226
WA 5	York - Kent Jct.	30	24	16	2	72
WA 6	Grafton - Waterloo	692	730	465	278	2165
WA- 7	Grafton - Regent	150	45	20	4	219
WA- 8	Grafton - Freetown	524	724	455	125	1828
WA- 9	Mile 38 - Ribbi Fy	71	64	34	. 1.	170
WA-10	Mamana - Gbabai	45	34	- 20	3	102
WA-11	Lumley Jct - Freetown	6034	1.876	915	29	8854
WA-12	Lumley - York	1702	1185	531	20	3438
WA-13	Lumley - Cape Sierra	3508	1650	334	26	5518
WA-14	Kissy Police Stn-Grafton	1677	1445	228	. 4	3354
WA-15	Regent - Hillcut Road	220	37	25	1	283
WA-16	Kent Jct Waterloo	1	2	1	1	. 5
WA-17	Kent Jct York	. 7	7	4	2	20
WA-18	Kent Jct Kent	8	4	5	1	19
WA-19	Makolo Jct Maswiri	. 7	6	8	1	22
WA-20	Newton Jct Fogbo	12	9	3	1	25
WA-21	Newton Jct Madonkia	26	8	5	2	41
WA-22	Mile 28 1/2 - Royeima	∍9	13	7	-	29
WA-23	Mile 30 Jct Songo	21	23	6		50
WA-24	Magbeni Jct Magbeni	4	8	13	-	25
WA-25	Mile 16 Jct Mapaira	- 7	. –	-		7
WA-26	Waterloo Jct Campbell Town	16	11	5	1	33

LUNGI - AREA

STATION NO.	ROAD	CARS	VANS AND PICKUPS	TRUCKS AND BUSES	EXTRA HEAVY VEHICLES	TOTAL
LA- 1	Rotifunk Jct Tagrin Fy.	373	174	81	20	648
LA- 2	Rotifunk Jct Port Loko	44	116	45	5	210
LA- 3	Rotifunk Jct Konakridee	355	184	58	27	624
LA- 4	Hospital Rd. JctKonakridee	320	196	78	53	647
LA- 5	Hospital Rd. JctRotifunk	383	. 79	83	24	569
LA- 6	Hospital Rd. JctAku Town	157	86	78	71	392
LA- 7	Rotifunk Jct. – Mahera	17	14	108	5	144
LA- 8	Rotifunk Jct Kasongba	7	11	11	•	-29
LA- 9	Aku Town - Mape	14	15	23	-	49
LA-10	Mamanki Jct Mamanki	10	13	28	· -	51
LA-11	Mahun - Gbonkowili	12	21	23		56 ∵
LA-12	Mahera - Rulon	140	118	24	- :	282
LA-13	Kambia - Mahera	72	41	17	gung.	130
LA-14	Mayaia - Kowala	13	17	12	 	42

PORT LOKO AREA

STATION NO.	ROAD	CARS	VANS AND PICKUPS	TRUCKS AND BUSES	EXTRA HEAVY VEHICLES	TOTAL
PA- 1	Masiaka - Waterloo	297	294	125	199	915
PA- 2	Masiaka - Mile 91	140	140	90	120	490
PA- 3	Masiaka - Mile 66	182	228	89	86	585
PA- 4	 Mile 66 - Masiaka	183	202	1.34	93	612
PA- 5	Mile 66 - Lunsar	260	168	88	50	566
PA- 6	Mile 66 - Port Loko	190	128	55	34	407
PA- 7	Batkanu Jet Port Loko	71	100	66	10	247
PA- 8	Batkanu Jct Mange Ferry	64	65	62	9	200
PA- 9	Batkanu Jet Batkanu	14	43	20	2	79
PA-10	Port Loko – Batkanu	86	168	41	5	300
PA-11	Port Loko - Mile 66	542	115	45	24	726
PA-12	Port Loko – Lungi	29	53	25	3	110
PA-13	Petifu Jct Lungi	23	77	22	5	127
PA-14	Petifu Jct - Port Loko	23	35	16	5	79
PA-15	Petifu Jct Gbinti Wala	14	58	12	5	89
PA16	Petifu Jct Petifu	16	21	4	1	42
PA-17	Mange – Mange Ferry	56	60	41	19	176
PA-18	Mange – Manbolo	31	48	20	9	108
PA-19	Mange – Kambia	25 .	66	31	13	135
PA-20	Mambolo Jct Mange	.7	26	12	8	53
PA-21	Mambolo Jct Rokupr	2	5	3	6	16
PA-22	Mambolo Jct Mambolo	6	29	14	9	58
PA-23	Kambia Jct Kambia	34	64	37	21	156
PA-24	Kambia Jct. – Mange	31	60	45	22	158
PA-25	Kambia Jct Rokupr	31	78	40	20	169
PA-26	Kambia - Kambia	67	103	84	17	271
PA-27	Kambia - Madina	33	35	-32	8	108
PA-28	Kambia - Kambia Ferry	26	32	30	9	97
PA-29	Madina - Kambia	3	6	. 6	6	21
PA-30	Madina - Tompari Ferry	4	7	11	17	34
PA-31	Madina - Kukuna	2	10	15	8	35

STATION NO.	ROAD	CARS	VANS AND PICKUPS	TRUCKS AND BUSES	EXTRA HEAVY VEHICLES	TOTAL
PA-32	Foredugu - Lunsay	272	120	109	36	537
PA-33	Foredugu – Makeni	253	82	93	32	460
PA-34	Foredugu - Kotolon	34	54	17	6	111
PA- 35	Kawula Jct Barmoi	. 5	10	.3	1	1.9
PA-36	Barmoi Jct Barmoi	5	17	15	5	42
PA-37	Rosinor Jct Kambia Ferry	35	48	28	21	1.32
PA-38	Rosinor Jct Mafunfuneh	20	30	21	12	83
PA- 39	Rosinor Jct Rokon	18	37	25	12	93
PA-40	Yumkeleia jct Kychom Wharf	.7	26	10	6	49
PA-41	Yumkeleia Jct Mapotolon	4	23	17	. 3	47
PA-42	Cusom's Post - Fudaya	10	13	9	1.	32
PA-43	Custom's Post - Rosinor Jct.	45	43	21	1	110
PA-44	Barlor Jct Petifu Jct.	13	69	7	7	96
PA-45	Barlor Jct Barlor	2	14	6	3	25
PA-46	Barlor Jct Kalangba	4	24	4	2	34
PA-47	Barlor Jct Gbinti Walla	. 8	54	5	10	77
PA-48	Lungi Lol - Rosengbeh	. 7	25	14	3	49
PA-49	Bundulai - Katanga	15	26	9	7	57
PA-50	Gbinti Jct Karene	1	12	15	1	29
PA-51	Barmoi - Kantia	12	26	17	,8	63
PA-52	Port Loko - Gberi Bana	15	41	11	1	68
PA-53	Port Loko - Melekure	1	27	8	1	37
PA-54	Lunsar - Mamansu	139	144	26	5	314
PA-55	Gbom Samba - Woremapoteh	13	13	5	1	31
PA56	Bumba Jct Bumba		10	9	1	20

STATION NO.	ROAD	CARS	VANS AND PICKUPS	TRUCKS AND BUSES	EXTRA HEAVY VEHICLES	TOTAL
MA- 1	Makeni - Makoth Jct.	445	191	144	83	863
MA- 2	Makeni - Panlap Jct.	43	137	139	11	329
MA- 3	Makeni – Magburaka	483	149	180	28	840
MA- 4	Matotoka - Robol Jct.	238	89	101	26	452
MA- 5	Matotoka - Makali	196	74	87	26	381
MA- 6	Matotoka - Yele	39	38	44	7	127
MA- 7	Panlap Jct Fadugu	38	38	99	25	200
MA- 8	Panlap Jct Makeni	48	75	115	20	258
MA- 9	Panlap Jct. – Sendugu Jct.	52	56	102	25	2 35
MA-10	Sendugu Jct. – Kamakwie	7 :	14	32	2	55
MA-11	Sendugu Jct Panlap Jct.	9	13.	30	3	55
MA-12	Sendugu Jct Bantoro Fy.	: 7	8	· · 15	1	31
MA-13	Kamakwie – Sendugu Jct.	65	80	98	11	. 254
MA-14	Kamakwie - Tompari Fy.	74	90	1925	14	303
MA-1.5	Kamakwie O Fintonia	5	78	63	-	146
MA-16	Fadugu — Panlap Jct.	3	10	7	2	22
MA-17	Fadugu - Kabala	3	10	8	2	23
MA-18	Fadugu - Kasasi	6 '	3	1	– .	10
MA-19	Musaia Jct Falaba	4	18	25	2	49
MA-20	Musaia Jct Kabala	. 7	24	36	2	69
MA-21	Musaia Jct Musaia	3	10	12	_ ;	25
MA-22	Magburaka Jct Magburaka	358	124	114	55	651
MA-23	Magburaka Jct. – Robol Jct.	294	122	148	27	591
MA-24	Magburaka Jct. – Bumbuna	151	152	83	28	414
MA-25	Magburaka Jct. – Makeni	421	106	132	48	.707
MA-26	Robol Jct Magburaka	244	100	99	48	491
MA-27	Robol Jct Matotoka	239	129	1.1.4	49	531
MA-28	Robol Jct Kumrabai	199	149	117	53	518
MA-29	Yele - Matotoka Jct.	22	27	36	2	87
MA-30	Yele - Bo	22	28	38	2	90
MA-31	Yele - Magbolo Fy.	8	17	12	2	39
MA-32	Masingbie – Makali	73	57	-34	32	196
MA-33	Masingbie - Sefadu	184	68	75	25	352

STATION NO.	ROAD	CARS	VANS AND PICKUPS	TRUCKS AND BUSES	EXTRA HEAVY VEHICLES	TOTAL
MA-34	Masingbie – Mayola	178	79	28	12	297
MA- 35	Makoth Jct Eatkanu	10	13	.9	2	. 34
мл-36	Pendembu Jct Karene	29	40	18	13	100
MA-37	Makakura Jct Kondembaia	· 11	14	15		40
MA-38	Bafodia Jet Bafodia	2	1	. 1	1	5
MA-39	Limbanya - Falaba	2	19	17	2	40
MA-40	Limbanya - Cberia Fatombo	2	18	16	2	38
MA-41	Limbanya - Bendugu	1	15	13	2	31
MA-42	Falaba - Ganya	. 1	4	5	1	11
MA-43	Mamurthe Jct Kagbere	. 7	10	7	3	27
MA-44	Matham Jct Magburaka	61	24	25	3	113
MA-45	Matham Jct Bumbuna	28	18	18	2	66
MA-46	Matham Jct Kalmaro	9	10	6	1	26
MA-47	Matham Jct Masanga	34	11	10	2	57
MA-48	Mabole – Mara	21	31	28	5	85
MA-49	Mapaki Jet Mapaki	31	28	11	3	73 .
MA-50	Mayopo - Matamp	17	17.	11	9	54
MA-51	Masaktaba - Kanipo	. 3	11	6	1	21
MA-52	Kamalo - Laia	3	3	6	1	13
MA-53	Kamatoga - Katta	4	11	13	4	- 32
MA-54	Kabala - Yataia	27	31	18	9	85
MA-55	Sinkunia – Fulamansa	5	25	28	2	60
MA-56	Bendugu - Serekolia	. 8	11	14	1	34
MA-57	Kamaron - Masadugu	11	16	25	1	53
MA-58	Kamaron - Bendugu	14	14	25	2	55
MA-59	Kamaron - Kurubonla	. 8	13	17	2	40
MA-60	Kalangba - Madina	5	4	2	5	16
MA-61	Kenenday - Madina	5	8	8	2	23
MA-62	Binkolo - Mapaki	7	7	8	<u>'</u> _	22
MA-63	Magburaka - Mabum	117	92	90	35	234
MA-64	Makoni - Mamansu	25	23	8	4	60
MA-65	Matotoka - Mangebana	30	16	13	3	62

SECTION NO.	ROAD	CARS	VANS AND PICKUPS	TRUCKS AND BUSES	EXTRA HEAVY VEHICLE	TOTAL
BA- 1	Bo - Balima	296	162	155	16	629
BA- 2	Bo - Bumpe	234	128	73	7 .	442
BA- 3	Bo - Sewa Bridge	213	146	43	- 5	407
BA- 4	Bo - Gerihun	428	243	113	29	813
BA- 5	Bo - Yele	188	109	45	. 1	343
BA- 6	Taiama - Moyamba Jct.	132	88	86	3	309
BA- 7	Taiama - Baiima	186	99	89	. 3	377
вл- 8	Taiama - Njala Jet.	211	43	23	3	280
BA- 9	Sembehun Jct Mano	- 21	. 38	8	·	67
BA-10	Sembehun Jct Bo	33	68	17	2	122
BA-11	Sembehun Jct Sumbuya	26	42	12	. -	80
BA-12	Sumbuya Jct Sembehun Jct	6	37	5	· : _	48
BA-13	Sumbuya Jct Sumbuya	6	64	7	·- -	: 77
BA-14	Sumbuya Jct Mattru	6	40	5	_	51
BA-15	Koribundo Jet Sumbuya	20	53	10		83
BA-16	Koribundo Jct. – Sewa Bdg	36	110	19	1	166
BA-17	Koribundo Jct Blama	11	40	5	: · ·	56
BA-18	Koribundo Jct Bandajuma	17	65	19		101
BA-19	Pujehun - Koribundo	30	71	18	-	119
BA-20	Pujehun - Potoru	27	103	18		148
BA-21	Pujehun - Benga	8	55	4	-	67
BA-22	Potoru - Bandajuma	11	52	11		74
BA-23	Potoru - Bandasuma Fy.	7	40	4	3	54
BA-24	Potoru - Pujehun	9	70	3	1	83
BA-25	Potoru - Kundowahun	1	12	7	:	20
BA-26	Tellu - Sembehun	4	2	8	· - ·	14
BA27	Tellu - Gbaama	7	7	6	- -	20
BA-28	Tellu - Gbangema	2	2	2	_	6
BA-29	Tellu - Gondama	10	15	6		31
BA-30	Serabu – Moyoru	76	66	19	·. -	161

			,	· · · · · · · · · · · · · · · · · · ·		
SECTION NO.	ROAD	CARS	VANS AND PICKUPS	TRUCKS AND BUSES	EXTRA HEAVY VEHICLES	TOTAL
BA-31	Serabu - Mokele	61	103	19	~	183
BA-32	Serabu - Taninahun	42	73	10	-	25
BA33	Baoma Jct Bumpe	12	59	16	9	96
BA-34	Jimi-Niagorehun	13	42	14	3	72
BA-35	Jimi – Benga	14	43	13	3	73
вл-36	Jimi - Senehun	11	37	22	3	74
BA-37	Dambara - Ngalu	17	23	12	3	55
BA-38	Bontiwo JctYengesa	13	20	2	-	35
BA-39	Upper Saama – Hiima	13	41	5	_	59
BA-40	Benga Jct Jimi	4	30	2	-	36
BA-41	Benga Jct Gbundapi	6	75	3	<u>.</u>	85
BA-42	Benga Jct Vaama	-	35	1	_	36
BA-43	Lago Jct Felegoma	3	11	6	_	20
BA-44	Periwahun – Senehun	2	2		-	4
BA-45	Mano - Njama	. 4	9	3	-	16
BA-46	Mano - Bajia	21	25	. •	-	46
BA-47	Mangeri - Baomahun	16	34 .	1	4 .	55
BA-48	Bauya - Gbonge	2	7	5	1	15
BA-49	Luawa - Gambia	. 25	65	23	20	133
BA-50	Bathurst - Jolimei	2	5	1	· _ ·	8
BA-51	Tikonko - Sami	11	7	1		19
BA-52	Tikonko - Gbalehun	7	9	1	-	17
BA-53	Sumbuya - Tormabum	9.	66	5	1	79
BA54	Tikonko - Dodo	12	6	4	***	22
BA-55	Tikonko - Tikonko Jct.	105	31	11	-	147
BA-56	Bumpe – Baiima	8	9	5	. <u>-</u>	22
BA-57	Yoni - Sawula	15	15	9		39
BA-58	Dandabu - Pehala	9	15	9	6	39

KENEMA/KONO AREA

KA- 1 Kenema - Blama 578 267 211 146 1203 KA- 2 Kenema - Jotu 105 71 152 20 350 KA- 3 Kenema - Mano Jct. 696 568 217 142 1655 KA- 4 Mano Jct Segbwema Jct. 62 85 115 21 287 KA- 5 Manowa Jct Manowa Fy. 42 62 83 16 252 KA- 6 Mano Jct Sefadu 78 127 102 20 268 KA- 7 Sefadu - Manowa Jct. 202 84 42 10 338 KA- 8 Sefadu - Jagbwema 430 284 259 159 979 KA- 9 Sefadu - Tumbudu 852 111 63 25 1052 KA-10 Sefadu - Masingbi 7324 5069 431 267 13091 KA-11 Blama - Koribundu 320 86 17 2 425 KA-12 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>							
NO. ROAD CARS PICKUPS BUSES VEHICLES TOTA KA- 1 Kenema - Blama 578 267 211 146 1203 KA- 2 Kenema - Joru 105 71 152 20 350 KA- 3 Kenema - Mano Jct. 696 568 217 142 1655 KA- 4 Mano Jct. 62 85 115 21 287 KA- 5 Mano Jct. Augusta 78 127 102 20 268 KA- 6 Mano Jct. Sefadu 78 127 102 20 268 KA- 7 Sefadu - Nanowa Jct. 202 84 42 10 338 KA- 8 Sefadu - Jagbwema 430 284 259 159 979 KA- 9 Sefadu - Tumbudu 852 111 63 25 1052 KA-10 Sefadu - Masingbi 7324 5069 431 267 13091 KA-11 <td>STATION</td> <td></td> <td></td> <td>f .</td> <td>1</td> <td>ł .</td> <td></td>	STATION			f .	1	ł .	
KA- 2 Kenema - Joru 105 71 152 20 350 KA- 3 Kenema - Mano Jct. 696 568 217 142 1653 KA- 4 Mano Jct Segbwema Jct. 62 85 115 21 287 KA- 5 Manowa Jct Manowa Fy. 42 62 83 16 252 KA- 6 Mano Jct Sefadu 78 127 102 20 266 KA- 7 Sefadu - Manowa Jct. 202 84 42 10 338 KA- 8 Sefadu - Jagbwema 430 284 259 159 979 KA- 9 Sefadu - Tumbudu 852 111 63 25 1052 KA-10 Sefadu - Tumbudu 852 111 63 25 1052 KA-11 Blaua - Boajibu 115 109 71 16 331 267 13091 KA-12 Blama - Koribundu 320 36 17 2 425 KA-13 Blama - Koribundu 21 17 31 9 78	i i	ROAD	CARS	1	1		TOTAL
KA- 3 Kenema - Mano Jct. 696 568 217 142 1655 KA- 4 Mano Jct Segbwema Jct. 62 85 115 21 287 KA- 5 Manowa Jct Manowa Fy. 42 62 83 16 252 KA- 6 Mano Jct Sefadu 78 127 102 20 268 KA- 7 Sefadu - Manowa Jct. 202 84 42 10 338 KA- 8 Sefadu - Jagbwema 430 284 259 159 979 KA- 9 Sefadu - Tumbudu 852 111 63 25 1052 KA-10 Sefadu - Masingbi 7324 5069 431 267 13091 KA-11 Blama - Boajibu 115 109 71 16 311 KA-12 Blama - Koribundu 320 86 17 2 425 KA-13 Blama - Koribundu 21 17 31 9 78 KA-14 B	KA- 1	Kenema - Blama	578	267	211	. 146	1203
KA- 4 Mano Jct Segbwema Jct. 62 85 115 21 287 KA- 5 Manowa Jct Manowa Fy. 42 62 83 16 252 KA- 6 Mano Jct Sefadu 78 127 102 20 268 KA- 7 Sefadu - Manowa Jct. 202 84 42 10 338 KA- 8 Sefadu - Jagbwema 430 284 259 159 979 KA- 9 Sefadu - Tumbudu 852 111 63 25 1052 KA-10 Sefadu - Masingbi 7324 5069 431 267 13091 KA-11 Blana - Boajibu 115 109 71 16 311 KA-12 Blama - Koribundu 320 86 17 2 425 KA-13 Blama - Koribundu 21 17 31 9 78 KA-14 Blama - Sendumei 21 17 31 9 78 KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 <td< td=""><td>KA- 2</td><td>Kenema - Joru</td><td>105</td><td>71</td><td>152</td><td>20</td><td>350</td></td<>	KA- 2	Kenema - Joru	105	71	152	20	350
KA- 5 Manowa Jct Manowa Fy. 42 62 83 16 252 KA- 6 Mano Jct Sefadu 78 127 102 20 268 KA- 7 Sefadu - Manowa Jct. 202 84 42 10 338 KA- 8 Sefadu - Jagbwema 430 284 259 159 979 KA- 9 Sefadu - Tumbudu 852 111 63 25 1052 KA-10 Sefadu - Masingbi 7324 5069 431 267 13091 KA-11 Blana - Boajibu 115 109 71 16 311 KA-12 Blama - Koribundu 320 86 17 2 425 KA-13 Blama - Koribundu 21 17 22 3 53 KA-14 Blama - Sendumei 21 17 31 9 78 KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 Zimmi - Fairo 50 58 91 35 234 KA-18 Joru - Zimmi	KA- 3	Kenema - Mano Jct.	696	568	217	142	1655
KA- 6 Mano Jct Sefadu 78 127 102 20 268 KA- 7 Sefadu - Manowa Jct. 202 84 42 10 338 KA- 8 Sefadu - Jagbwema 430 284 259 159 979 KA- 9 Sefadu - Tumbudu 852 111 63 25 1052 KA-10 Sefadu - Masingbi 7324 5069 431 267 13091 KA-11 Blama - Boajibu 115 109 71 16 311 KA-12 Blama - Koribundu 320 86 17 2 425 KA-13 Blama - Koribundu 21 17 22 3 53 KA-14 Blama - Sendumei 21 17 31 9 78 KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 Zimmi - Fairo 50 58 91 35 234 KA-17 Zimi - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Nyandehun	KA- 4	Mano Jct Segbwema Jct.	62	85	115	21	287
KA- 7 Sefadu - Manowa Jct. 202 84 42 10 338 KA- 8 Sefadu - Jagbwema 430 284 259 159 979 KA- 9 Sefadu - Tumbudu 852 111 63 25 1052 KA-10 Sefadu - Masingbi 7324 5069 431 267 13091 KA-11 Blama - Boajibu 115 109 71 16 311 KA-12 Blama - Koribundu 21 17 22 3 53 KA-13 Blama - Koribundu 21 17 31 9 78 KA-14 Blama - Sendumei 21 17 31 9 78 KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 Zimi - Fairo 50 58 91 35 234 KA-17 Zimi - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Zimi 21	KA- 5	Manowa Jct Manowa Fy.	42	62	83	16	252
KA- 8 Sefadu - Jagbwema 430 284 259 159 979 KA- 9 Sefadu - Tumbudu 852 111 63 25 1052 KA-10 Sefadu - Masingbi 7324 5069 431 267 13091 KA-11 Blana - Boajibu 115 109 71 16 311 KA-12 Blama - Koribundu 320 86 17 2 425 KA-13 Blama - Koribundu 21 17 22 3 53 KA-14 Blama - Sendumei 21 17 31 9 78 KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 Zimmi - Fairo 50 58 91 35 234 KA-17 Zimii - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Zimmi 21 28 75 14 138 KA-20 Joru - Kenema 23 27 86 14 150 KA-21 Mano Jct Kenema <	KA- 6	Mano Jct Sefadu	78	127	102	20	268
KA- 9 Sefadu - Tumbudu 852 111 63 25 1052 KA-10 Sefadu - Masingbi 7324 5069 431 267 13091 KA-11 Blana - Boajibu 115 109 71 16 311 KA-12 Blama - Koribundu 320 86 17 2 425 KA-13 Blama - Koribundu 21 17 22 3 53 KA-14 Blama - Sendumei 21 17 31 9 78 KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 Zimmi - Fairo 50 58 91 35 236 KA-17 Zimii - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Zimmi 21 28 75 14 138 KA-29 Joru - Renema 23 27 86 14 150 KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema <	KA- 7	Sefadu - Manowa Jct.	202	84	42	10	338
KA-10 Sefadu - Masingbi 7324 5069 431 267 13091 KA-11 Blana - Boajibu 115 109 71 16 311 KA-12 Blama - Koribundu 320 86 17 2 425 KA-13 Blama - Koribundu 21 17 22 3 53 KA-14 Blama - Sendumei 21 17 31 9 78 KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 Zimmi - Fairo 50 58 91 35 234 KA-17 Zimii - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Zimmi 21 28 75 14 138 KA-19 Joru - Kenema 23 27 86 14 150 KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema 416 212 236 86 950 KA-22 Mano Jct Panguma	KA- 8	Sefadu - Jagbwema	430	284	259	159	979
KA-11 Blana - Boajibu 115 109 71 16 311 KA-12 Blama - Koribundu 320 86 17 2 425 KA-13 Blama - Koribundu 21 17 22 3 53 KA-14 Blama - Sendumei 21 17 31 9 78 KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 Zimmi - Fairo 50 58 91 35 234 KA-17 Zimii - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Zimmi 21 28 75 14 138 KA-19 Joru - Kenema 23 27 86 14 150 KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema 416 212 236 86 950 KA-22 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma	KA- 9	Sefadu - Tumbudu	852	111	63	25	1052
KA-12 Blama - Koribundu 320 86 17 2 425 KA-13 Blama - Koribundu 21 17 22 3 53 KA-14 Blama - Sendumei 21 17 31 9 78 KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 Zimmi - Fairo 50 58 91 35 234 KA-17 Zimii - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Zimmi 21 28 75 14 138 KA-19 Joru - Kenema 23 27 86 14 150 KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema 416 212 236 86 950 KA-22 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Mano Jct	KA-10	. Sefadu - Masingbi	7324	5069	431	267	13091
KA-13 Blama - Koribundu 21 17 22 3 53 KA-14 Blama - Sendumei 21 17 31 9 78 KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 Zimmi - Fairo 50 58 91 35 234 KA-17 Zimii - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Zimmi 21 28 75 14 138 KA-19 Joru - Kenema 23 27 86 14 150 KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema 416 212 236 86 950 KA-22 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct M	KA-11	Blama - Boajibu	.115	109	71	16	311
KA-14 Blama - Sendumei 21 17 31 9 78 KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 Zimmi - Fairo 50 58 91 35 234 KA-17 Zimii - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Zimmi 21 28 75 14 138 KA-19 Joru - Kenema 23 27 86 14 150 KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema 416 212 236 86 950 KA-22 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-26 Segbwema	KA-12	Blama - Koribundu	320	86	. 17	2	425
KA-15 Zimmi - Joru 42 61 92 49 244 KA-16 Zimmi - Fairo 50 58 91 35 234 KA-17 Zimii - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Zimmi 21 28 75 14 138 KA-19 Joru - Kenema 23 27 86 14 150 KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema 416 212 236 86 950 KA-21 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct Segbwema 56 38 34 1 129 KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27	KA-13	Blama - Koribundu	21	17	22	3	53
KA-16 Zimmi - Fairo 50 58 91 35 234 KA-17 Zimii - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Zimmi 21 28 75 14 138 KA-19 Joru - Kenema 23 27 86 14 150 KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema 416 212 236 86 950 KA-21 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct Segbwema 56 38 34 1 129 KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28	KA-14	Blama - Sendumei	21	1.7	31	9	78
KA-17 Zimii - Bandasuma Fy. 27 30 48 28 133 KA-18 Joru - Zimmi 21 28 75 14 138 KA-19 Joru - Kenema 23 27 86 14 150 KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema 416 212 236 86 950 KA-21 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct Segbwema 56 38 34 1 129 KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28 Kailahun - Sambalu 31 36 64 41 172 KA-30	KA-15	Zimmi - Joru	42	61	92	49	244
KA-18 Joru - Zimmi 21 28 75 14 138 KA-19 Joru - Kenema 23 27 86 14 150 KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema 416 212 236 86 950 KA-22 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct Segbwema 56 38 34 1 129 KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28 Kailahun - Pendehun 34 42 115 40 231 KA-29 Kailahun - Mano 17 15 24 9 65	KA-16	Zimmi - Fairo	- 50	-58	91	35	234
KA-19 Joru - Kenema 23 27 86 14 150 KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema 416 212 236 86 950 KA-22 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct Segbwema 56 38 34 1 129 KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28 Kailahun - Pendehun 34 42 115 40 231 KA-29 Kailahun - Sambalu 31 36 64 41 172 KA-30 Kailahun - Mano 17 15 24 9 65	KA-17	Zimii - Bandasuma Fy.	27	30	48	- 28	133
KA-20 Joru - Nyandehun Jct. 19 19 88 20 146 KA-21 Mano Jct Kenema 416 212 236 86 950 KA-22 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct Segbwema 56 38 34 1 129 KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28 Kailahun - Pendehun 34 42 115 40 231 KA-29 Kailahun - Sambalu 31 36 64 41 172 KA-30 Kailahun - Mano 17 15 24 9 65	KA-18	Joru - Zimmi	21	28	75	14	1.38
KA-21 Mano Jct Kenema 416 212 236 86 950 KA-22 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct Segbwema 56 38 34 1 129 KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28 Kailahun - Pendehun 34 42 115 40 231 KA-29 Kailahun - Sambalu 31 36 64 41 172 KA-30 Kailahun - Mano 17 15 24 9 65	KA-19	Joru - Kenema	23	27	86	14	150
KA-22 Mano Jct Segbwema Jct. 69 36 77 41 223 KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct Segbwema 56 38 34 1 129 KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28 Kailahun - Pendehun 34 42 115 40 231 KA-29 Kailahun - Sambalu 31 36 64 41 172 KA-30 Kailahun - Mano 17 15 24 9 65	KA-20	Joru - Nyandehun Jct.	19	19	88	20	146
KA-23 Mano Jct Panguma 312 211 218 79 820 KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct Segbwema 56 38 34 1 129 KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28 Kailahun - Pendehun 34 42 115 40 231 KA-29 Kailahun - Sambalu 31 36 64 41 172 KA-30 Kailahun - Mano 17 15 24 9 65	KA-21	Mano Jct Kenema	416	212	236	86	950
KA-24 Segbwema Jct Manowa Jct. 18 45 3 - 71 KA-25 Segbwema Jct Segbwema 56 38 34 1 129 KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28 Kailahun - Pendehun 34 42 115 40 231 KA-29 Kailahun - Sambalu 31 36 64 41 172 KA-30 Kailahun - Mano 17 15 24 9 65	KA-22	Mano Jct Segbwema Jct.	69	36	77	41	223
KA-25 Segbwema Jct Segbwema 56 38 34 1 129 KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28 Kailahun - Pendehun 34 42 115 40 231 KA-29 Kailahun - Sambalu 31 36 64 41 172 KA-30 Kailahun - Mano 17 15 24 9 65	KA-23	Mano Jct Panguma	312	211	218	79	820
KA-26 Segbwema Jct Mano Jct. 15 16 17 - 48 KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28 Kailahun - Pendehun 34 42 115 40 231 KA-29 Kailahun - Sambalu 31 36 64 41 172 KA-30 Kailahun - Mano 17 15 24 9 65	KA-24	Segbwema Jct Manowa Jct.	18	45	3	-	71
KA-27 Kailahun - Buedu 55 133 295 45 528 KA-28 Kailahun - Pendehun 34 42 115 40 231 KA-29 Kailahun - Sambalu 31 36 64 41 172 KA-30 Kailahun - Mano 17 15 24 9 65	KA-25	Segbwema Jct Segbwema	56	38	34	1	129
KA-28 Kailahun - Pendehun 34 42 115 40 231 KA-29 Kailahun - Sambalu 31 36 64 41 172 KA-30 Kailahun - Mano 17 15 24 9 65	KA-26	Segbwema Jct Mano Jct.	15	16	17	→	48
KA-29 Kailahun - Sambalu 31 36 64 41 172 KA-30 Kailahun - Mano 17 15 24 9 65	KA-27	Kailahun - Buedu	55	133	295	45	528
KA-30 Kailahun - Mano 17 15 24 9 65	KA-28	Kailahun - Pendehun	34	42	115	40	231
	KA-29	Kailahun - Sambalu	31	36	64	41	172
with the state of	KA-30	Kailahun - Mano	17	15	24	9	65
KA-31 Kallanun - Nyandenun - - - - -	KA-31	Kailahun - Nyandehun	_		-	-	<u>-</u> -
KA-32 Kailahun - Giema 1 10 26 6 43	KA-32	Kailahun - Giema	1	10	26	6	43

STATION NO. ROAD CARS VANS AND PICKUPS STRUCKS EXTRA AND RESES VERTICES TOTAL							
KA-34 Panguma - Dodo 52 72 37 20 181 KA-35 Panguma - Largo 63 118 50 23 254 KA-36 Panguma - Gorala 15 17 22 9 73 KA-37 Pendembu Jct Kailahun 47 75 41 32 189 KA-38 Pendembu Jct Pendembu 24 66 77 17 184 KA-39 Pendembu Jct Daru 20 26 30 16 92 KA-40 Nyandehun Jct Joru 17 19 43 12 91 KA-41 Nyandehun Jct Pendembu 18 19 45 12 94 KA-42 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-43 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-44 Segbwema - Daru Jct. 156 389 39 3 587 KA-45 Segbw		ROAD	CARS	AND	AND	HEAVY	TOTAL
KA-35 Panguma - Largo 63 118 50 23 254 KA-36 Panguma - Gorala 15 17 22 9 73 KA-37 Pendembu Jct Kailahun 47 75 41 32 189 KA-38 Pendembu Jct Pendembu 24 66 77 17 184 KA-39 Pendembu Jct Daru 20 26 30 16 92 KA-40 Nyandehun Jct Joru 17 19 43 12 91 KA-42 Nyandehun Jct Pendembu Fy 4 3 1 6 14 KA-43 Nyandehun Jct Pendembu Fy 4 3 1 6 14 KA-43 Nyandehun Jct Pendembu Fy 4 3 1 6 14 KA-44 Segbwema - Daru Jct. 156 389 39 3 587 KA-45 Segbwema - Berndembu Fy 11 13 2 2 28 KA-46 Se	KA-33	Kailahun - Niahun	12	1.0	14	5	41
KA-36 Panguma - Gorala 15 17 22 9 73 KA-37 Pendembu Jct Kailahun 47 75 41 32 189 KA-38 Pendembu Jct Pendembu 24 66 77 17 184 KA-39 Pendembu Jct Manowa Fy. 17 22 31 17 87 KA-40 Nyandehun Jct Daru 20 26 30 16 92 KA-41 Nyandehun Jct Joru 17 19 43 12 91 KA-42 Nyandehun Jct Pendembu 18 19 45 12 94 KA-43 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-44 Segbwema - Daru Jct. 156 389 39 3 587 KA-45 Segbwema - Begbwema 9 12 3 4 28 KA-46 Segbwema - Pendembu Fy. 11 13 2 2 28 KA-47 Jagbwema - Kainkordu 144 16 159 93 392 <t< td=""><td>KA-34</td><td>Panguma - Dodo</td><td>52</td><td>72</td><td>37</td><td>20</td><td>181</td></t<>	KA-34	Panguma - Dodo	52	72	37	20	181
KA-37 Pendembu Jct Kailahun 47 75 41 32 189 KA-38 Pendembu Jct Pendembu 24 66 77 17 184 KA-39 Pendembu Jct Manowa Fy. 17 22 31 17 87 KA-40 Nyandehun Jct Daru 20 26 30 16 92 KA-41 Nyandehun Jct Joru 17 19 43 12 91 KA-42 Nyandehun Jct Pendembu 18 19 45 12 94 KA-43 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-43 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-44 Segbwema - Daru Jct. 156 389 39 3 587 KA-45 Segbwema - Begbwema 9 12 3 4 28 KA-46 Segbwema - Rainkordu 144 16 159 93 392 KA-48 <td>KA-35</td> <td>Panguma - Largo</td> <td>63</td> <td>118</td> <td>50</td> <td>23</td> <td>254</td>	KA-35	Panguma - Largo	63	118	50	23	254
KA-38 Pendembu Jct Pendembu 24 66 77 17 184 KA-39 Pendembu Jct Manowa Fy. 17 22 31 17 87 KA-40 Nyandehun Jct Daru 20 26 30 16 92 KA-41 Nyandehun Jct Joru 17 19 43 12 91 KA-42 Nyandehun Jct Pendembu 18 19 45 12 94 KA-43 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-43 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-44 Segbwema - Baru Jct. 156 389 39 3 587 KA-45 Segbwema - Begbwema 9 12 3 4 28 KA-46 Segbwema - Pendembu Fy. 11 13 2 2 28 KA-47 Jagbwema - Kainkordu 144 16 159 93 392 KA-48	KA-36	Panguma - Gorala	15	17	22	9	73
KA-39 Pendembu Jct Manowa Fy. 17 22 31 17 87 KA-40 Nyandehun Jct Daru 20 26 30 16 92 KA-41 Nyandehun Jct Joru 17 19 43 12 91 KA-42 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-43 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-44 Segbwema - Daru Jct. 156 389 39 3 587 KA-45 Segbwema - Begbwema 9 12 3 4 28 KA-45 Segbwema - Begbwema 9 12 3 4 28 KA-46 Segbwema - Pendembu Fy. 11 13 2 2 28 KA-46 Segbwema - Pendembu Fy. 11 13 2 2 28 KA-47 Jagbwema - Kainkordu 144 16 159 93 392 KA-48 Jagbwema - Koindu 140 149 153 101 543 KA-5	KA-37	Pendembu Jct Kailahun	47	75	41	32	189
KA-40 Nyandehun Jct Daru 20 26 30 16 92 KA-41 Nyandehun Jct Joru 17 19 43 12 91 KA-42 Nyandehun Jct Pendembu 18 19 45 12 94 KA-43 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-44 Segbwema - Daru Jct. 156 389 39 3 587 KA-45 Segbwema - Begbwema 9 12 3 4 28 KA-45 Segbwema - Hegbwema 9 12 3 4 28 KA-46 Segbwema - Pendembu Fy. 11 13 2 2 28 KA-47 Jagbwema - Kainkordu 144 16 159 93 392 KA-48 Jagbwema - Saiama 254 294 294 346 1188 KA-49 Jagbwema - Koindu 140 149 153 101 543 KA-50 Boajibu - Blama 57 38 17 2 124 KA-51	KA-38	Pendembu Jct Pendembu	24	66	77	17	184
KA-41 Nyandehun Jct Joru 17 19 43 12 91 KA-42 Nyandehun Jct Pendembu 18 19 45 12 94 KA-43 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-44 Segbwema - Daru Jct. 156 389 39 3 587 KA-45 Segbwema - Begbwema 9 12 3 4 28 KA-46 Segbwema - Hegbwema 9 12 3 4 28 KA-46 Segbwema - Rainkordu 144 16 159 93 392 KA-47 Jagbwema - Saiama 254 294 294 346 1188 KA-48 Jagbwema - Koindu 140 149 153 101 543 KA-50 Boajibu - Blama 57 38 17 2 124 KA-51 Boajibu - Ngogbebu 8 1 2 - 11 KA-52 Boajibu - Ngogbebu 8 1 2 - 1 KA-53 Boajibu	KA39	Pendembu Jct Manowa Fy.	17	22	31	17	87
KA-42 Nyandehun Jct Pendembu 18 19 45 12 94 KA-43 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-44 Segbwema - Daru Jct. 156 389 39 3 587 KA-45 Segbwema - Hegbwema 9 12 3 4 28 KA-46 Segbwema - Pendembu Fy. 11 13 2 2 28 KA-47 Jagbwema - Kainkordu 144 16 159 93 392 KA-48 Jagbwema - Saiama 254 294 294 346 1188 KA-49 Jagbwema - Koindu 140 149 153 101 543 KA-50 Boajibu - Blama 57 38 17 2 124 KA-51 Boajibu - Ngogbebu 8 1 2 - 11 KA-52 Boajibu - Konta 35 54 25 2 116 KA-53 Boajibu - Dodo - - - - - - - - -	KA-40	Nyandehun Jct Daru	20	26	30	16	92
KA-43 Nyandehun Jct Pendembu Fy. 4 3 1 6 14 KA-44 Segbwema - Daru Jct. 156 389 39 3 587 KA-45 Segbwema - Hegbwema 9 12 3 4 28 KA-46 Segbwema - Pendembu Fy. 11 13 2 2 28 KA-47 Jagbwema - Kainkordu 144 16 159 93 392 KA-48 Jagbwema - Saiama 254 294 294 346 1188 KA-49 Jagbwema - Koindu 140 149 153 101 543 KA-50 Boajibu - Blama 57 38 17 2 124 KA-51 Boajibu - Ngogbebu 8 1 2 - 11 KA-52 Boajibu - Ngogbebu 8 1 2 - 11 KA-53 Boajibu - Ngogbebu 8 1 2 - 11 KA-54 Waida - Wondu 80 52 19 3 151 KA-55 Waida - Yengema	KA-41	Nyandehun Jct Joru	17	19	43	12	91
KA-44 Segbwema - Daru Jct. 156 389 39 3 587 KA-45 Segbwema - Hegbwema 9 12 3 4 28 KA-46 Segbwema - Pendembu Fy. 11 13 2 2 28 KA-47 Jagbwema - Kainkordu 144 16 159 93 392 KA-48 Jagbwema - Saiama 254 294 294 346 1188 KA-49 Jagbwema - Koindu 140 149 153 101 543 KA-50 Boajibu - Blama 57 38 17 2 124 KA-51 Boajibu - Ngogbebu 8 1 2 - 11 KA-52 Boajibu - Konta 35 54 25 2 116 KA-53 Boajibu - Dodo - - - - - - - KA-54 Waida - Wondu 80 52 19 3 151 KA-55 Waida - Yengema 176 60 45 16 296 KA-57 <t< td=""><td>KA-42</td><td>Nyandehun Jct Pendembu</td><td>18</td><td>19</td><td>45</td><td>12</td><td>94</td></t<>	KA-42	Nyandehun Jct Pendembu	18	19	45	12	94
KA-45 Segbwema - Hegbwema 9 12 3 4 28 KA-46 Segbwema - Pendembu Fy. 11 13 2 2 28 KA-47 Jagbwema - Kainkordu 144 16 159 93 392 KA-48 Jagbwema - Saiama 254 294 294 346 1188 KA-49 Jagbwema - Koindu 140 149 153 101 543 KA-50 Boajibu - Blama 57 38 17 2 124 KA-51 Boajibu - Ngogbebu 8 1 2 - 11 KA-52 Boajibu - Konta 35 54 25 2 116 KA-53 Boajibu - Dodo - - - - - KA-54 Waida - Wondu 80 52 19 3 151 KA-55 Waida - Yengema 176 60 45 16 296 KA-56 N'jaima - Kaugama 154 39 24 63 287 KA-58 Bumpe Jct Bumpe 6	KA-43	Nyandehun Jct Pendembu Fy.	4	3	1	6	14
KA-46 Segbwema - Pendembu Fy. 11 13 2 2 28 KA-47 Jagbwema - Kainkordu 144 16 159 93 392 KA-48 Jagbwema - Saiama 254 294 294 346 1188 KA-49 Jagbwema - Koindu 140 149 153 101 543 KA-50 Boajibu - Blama 57 38 17 2 124 KA-51 Boajibu - Ngogbebu 8 1 2 - 11 KA-52 Boajibu - Konta 35 54 25 2 116 KA-53 Boajibu - Dodo - - - - - - KA-54 Waida - Wondu 80 52 19 3 151 KA-55 Waida - Yengema 176 60 45 16 296 KA-56 N'jaima - Kangama 154 39 24 63 287 KA-58 Bumpe Jct Bumpe 614 57 49 68 788 KA-60 Buedu - Foya (KA-44	Segbwema - Daru Jct.	156	389	39	3	587
KA-47 Jagbwema - Kainkordu 144 16 159 93 392 KA-48 Jagbwema - Saiama 254 294 294 346 1188 KA-49 Jagbwema - Koindu 140 149 153 101 543 KA-50 Boajibu - Blama 57 38 17 2 124 KA-51 Boajibu - Ngogbebu 8 1 2 - 11 KA-52 Boajibu - Konta 35 54 25 2 116 KA-53 Boajibu - Dodo - - - - - - KA-54 Waida - Wondu 80 52 19 3 151 KA-55 Waida - Yengema 176 60 45 16 296 KA-56 N'jaima - Kangama 154 39 24 63 287 KA-57 Njaima - Koindu 169 24 10 17 229 KA-58 Bumpe Jct Bumpe 614 57 49 68 788 KA-60 Buedu - Kailahun </td <td>KA-45</td> <td>Segbwema - Hegbwema</td> <td>9</td> <td>12</td> <td>3</td> <td>4</td> <td>28</td>	KA-45	Segbwema - Hegbwema	9	12	3	4	28
KA-48 Jagbwema - Saiama 254 294 294 346 1188 KA-49 Jagbwema - Koindu 140 149 153 101 543 KA-50 Boajibu - Blama 57 38 17 2 124 KA-51 Boajibu - Ngogbebu 8 1 2 - 11 KA-52 Boajibu - Konta 35 54 25 2 116 KA-53 Boajibu - Dodo - - - - - - KA-54 Waida - Wondu 80 52 19 3 151 KA-55 Waida - Yengema 176 60 45 16 296 KA-56 N'jaima - Kangama 154 39 24 63 287 KA-57 Njaima - Koindu 169 24 10 17 229 KA-58 Buedu - Foya (Dawa) 81 89 84 65 319 KA-60 Buedu - Kailahun 93 91 88 60 332 KA-61 Buedu - Koindu	KA-46	Segbwema - Pendembu Fy.	11	13	2	2	28.
KA-49 Jagbwema - Koindu 140 149 153 101 543 KA-50 Boajibu - Blama 57 38 17 2 124 KA-51 Boajibu - Ngogbebu 8 1 2 - 11 KA-52 Boajibu - Konta 35 54 25 2 116 KA-53 Boajibu - Dodo - - - - - - KA-54 Waida - Wondu 80 52 19 3 151 KA-55 Waida - Yengema 176 60 45 16 296 KA-56 N'jaima - Kangama 154 39 24 63 287 KA-57 Njaima - Koindu 169 24 10 17 229 KA-58 Bumpe Jct Bumpe 614 57 49 68 788 KA-59 Buedu - Foya (Dawa) 81 89 84 65 319 KA-60 Buedu - Kailahun 93 91 88 60 332 KA-61 Buedu - Koindu <	KA-47	Jagbwema - Kainkordu	144	16	159	93	392
KA-50 Boajibu - Blama 57 38 17 2 124 KA-51 Boajibu - Ngogbebu 8 1 2 - 11 KA-52 Boajibu - Konta 35 54 25 2 116 KA-53 Boajibu - Dodo - </td <td>KA-48</td> <td>Jagbwema - Saiama</td> <td>254</td> <td>294</td> <td>294</td> <td>346</td> <td>1188</td>	KA-48	Jagbwema - Saiama	254	294	294	346	1188
KA-51 Boajibu - Ngogbebu 8 1 2 - 11 KA-52 Boajibu - Konta 35 54 25 2 116 KA-53 Boajibu - Dodo - - - - - - - KA-54 Waida - Wondu 80 52 19 3 151 KA-55 Waida - Yengema 176 60 45 16 296 KA-56 N'jaima - Kangama 154 39 24 63 287 KA-57 Njaima - Koindu 169 24 10 17 229 KA-58 Bumpe Jct Bumpe 614 57 49 68 788 KA-59 Buedu - Foya (Dawa) 81 89 84 65 319 KA-60 Buedu - Kailahun 93 91 88 60 332 KA-61 Buedu - Koindu 90 84 88 63 325	KA-49	Jagbwema - Koindu	140	149	153	101	543
KA-52 Boajibu - Konta 35 54 25 2 116 KA-53 Boajibu - Dodo - 1	KA-50	Boajibu - Blama	57	38	17	2	124
KA-53 Boajibu - Dodo -	KA-51	Boajibu - Ngogbebu	8	1	2	-	11
KA-54 Waida - Wondu 80 52 19 3 151 KA-55 Waida - Yengema 176 60 45 16 296 KA-56 N'jaima - Kangama 154 39 24 63 287 KA-57 Njaima - Koindu 169 24 10 17 229 KA-58 Bumpe Jct Bumpe 614 57 49 68 788 KA-59 Buedu - Foya (Dawa) 81 89 84 65 319 KA-60 Buedu - Kailahun 93 91 88 60 332 KA-61 Buedu - Koindu 90 84 88 63 325	KA-52	Boajibu - Konta	35	54	25	2	116
KA-55 Waida - Yengema 176 60 45 16 296 KA-56 N'jaima - Kangama 154 39 24 63 287 KA-57 Njaima - Koindu 169 24 10 17 229 KA-58 Bumpe Jct Bumpe 614 57 49 68 788 KA-59 Buedu - Foya (Dawa) 81 89 84 65 319 KA-60 Buedu - Kailahun 93 91 88 60 332 KA-61 Buedu - Koindu 90 84 88 63 325	KA-53	Boajibu - Dodo	·	-		_	-
KA-56 N'jaima - Kangama 154 39 24 63 287 KA-57 Njaima - Koindu 169 24 10 17 229 KA-58 Bumpe Jct Bumpe 614 57 49 68 788 KA-59 Buedu - Foya (Dawa) 81 89 84 65 319 KA-60 Buedu - Kailahun 93 91 88 60 332 KA-61 Buedu - Koindu 90 84 88 63 325	KA-54	Waida - Wondu	80	52	19	3	151
KA-57 Njaima - Koindu 169 24 10 17 229 KA-58 Bumpe Jct Bumpe 614 57 49 68 788 KA-59 Buedu - Foya (Dawa) 81 89 84 65 319 KA-60 Buedu - Kailahun 93 91 88 60 332 KA-61 Buedu - Koindu 90 84 88 63 325	KA-55	Waida - Yengema	176	60	45	16	296
KA-58 Bumpe Jct Bumpe 614 57 49 68 788 KA-59 Buedu - Foya (Dawa) 81 89 84 65 319 KA-60 Buedu - Kailahun 93 91 88 60 332 KA-61 Buedu - Koindu 90 84 88 63 325	KA-56	N'jaima - Kangama	154	39	24	63	287
KA-59 Buedu - Foya (Dawa) 81 89 84 65 319 KA-60 Buedu - Kailahun 93 91 88 60 332 KA-61 Buedu - Koindu 90 84 88 63 325	KA-57	Njaima - Koindu	169	24	10	17	229
KA-60 Buedu - Kailahun 93 91 88 60 332 KA-61 Buedu - Koindu 90 84 88 63 325	KA-58	Bumpe Jct Bumpe	614	57	49	68	788
KA-61 Buedu - Koindu 90 84 88 63 325	KA-59	Buedu - Foya (Dawa)	81	89	84	65	319
	KA-60	Buedu - Kailahun	93	91	88	60	332
KA-62 Sandaru Jct Sandaru 18 50 30 4 102	KA-61	Buedu - Koindu	90	84	88	63	325
	KA-62	Sandaru Jct Sandaru	18	50	30	4	102
KA-63 Mende Jct Mende 17 28 28 9 82	KA-63	Mende Jct Mende	17	28	28	9	82

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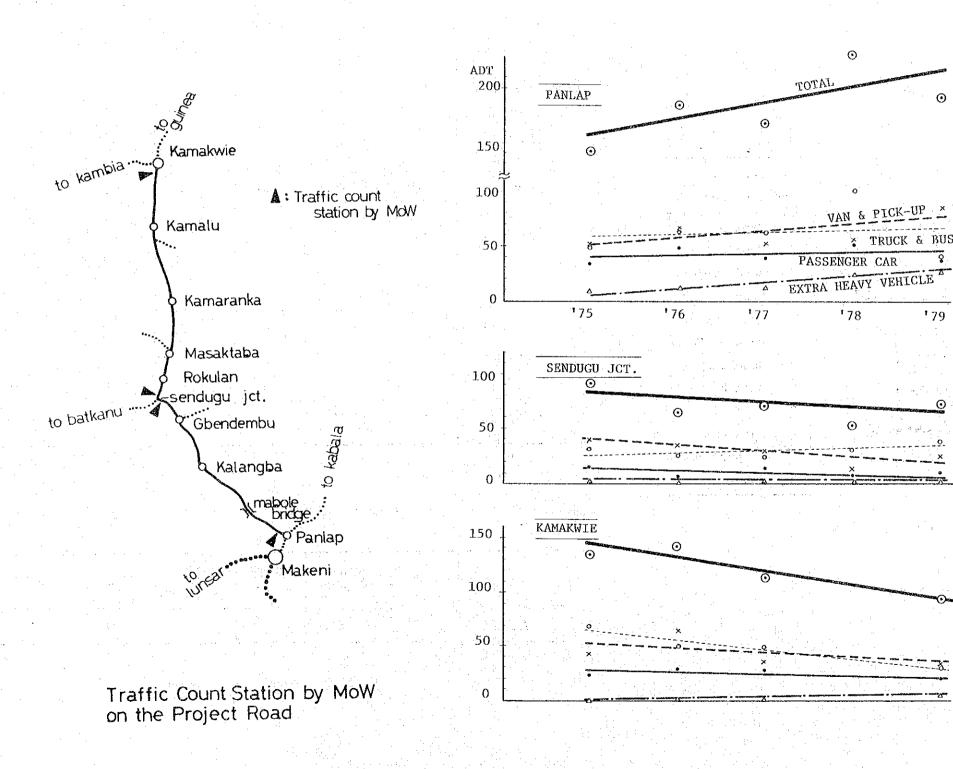
STATION NO.	ROAD	CARS	VANS AND PICKUPS	TRUCKS AND BUSES	EXTRA HEAVY VEHICLES	TOTAL
KA-64	Mamboma - Jokibu	8	7	13	6	34
KA-65	Mamboma - Daru	23	11	21	. 8	52
KA66	Mamboma – Foindu	10	7 -	9	3	29
KA-67	Mamboma - Mobai	. 6	7	13	3	29
KA-68	Yawiema – Saarma	17	16	21	6,	63
KA-69	Yawiema – Senehun	25	21	31	11	89
KA-70	Nyandehun - Senehun	:22	22	46	14	104
KA-71	Blama - Jembe	1 52	113	108	69	440
KA-72	Gofor - Baoma Koya	56	64	48	16	178
KA-73	Giema – Tikonko	22	23	38	12	96
KA-74	Giema - Konia	12	13	. 31	6	64
KA-75	Kamboma - Foindu	. 9	5 .	2	-	17
KA76	Gendema – Langu	-	-:			-
KA-77	Dodo - Banda	9	14	8	4	36
KA-78	Dodo - Gbado	12	26	17	6	61
KA-79	Gbangoma - Levuma	142	99	46	26	305
кA-80	Lime - Gandohun	111	108	70	58	347
KA-81	Victoria – Nyagbebo	138	106	94	67	405
KA-82	Woama - Baiama	38	26	21	14	99
KA-83	Semabu - Wilima	15	15	9	1	40
KA-84	Jojoima Jct. – Jojoima	95	72	90	51	308
KA-85	Laoma - Baiwala	65	43	38	1.5	162
KA-86	Koardu - Komiendu	398	433	450	340	1621
KA-87	Malema - Liberia Border	66	50	14	2	132
KA-88	Malema – Fairo	59	45	12		116
KA-89	Zimmi - Dar-Es-Salam	11	10	15	11	47
KA-90	Kenema - Luyama	7	12	3	1	23
KA-91	Kpuwabu - Nomo	21	54	13	16	104
KA-92	Wai - Kpende	5	5	3	- .	13
KA-93	Kouma - Fanima	1	. 1	6	-	8
KA-94	Njaiama - Bumpe	328	46	27	62	463
KA-95	New Daru Bridge - Nyandehun Jct.	63	118	131	48	360
KA-96	Nyandehun Jct New Daru Bridge	53	93	119	49	314

NO. ROAD CARS PICKUPS BUSES VEHICLES NA- 1 Mile 91 - Magbosi 207 189 166 34 NA- 2 Mile 91 - Moyamba Jct. 184 146 170 37 NA- 3 Mile 91-Kumrabai Jct. 100 127 74 26 NA- 4 Moyamba Jct Mile 91 133 118 100 50 NA- 5 Moyamba Jct Taiama 139 118 99 42 NA- 6 Moyamba JctNjabgahun 53 62 42 20 NA- 7 Yonibana - Yonibana Jct. 94 45 18 11 NA- 8 Yonibana - Roruks 80 39 17 9 NA- 9 Njagbahun JctMoyamba 26 42 16 7 NA-10 Njagbahun JctMoyamba Jct. 6 49 29 7 NA-12 Moyamba - Mokure Jct. 42 50 15 7	596 537 327 401 398 177 168 145 91
NA- 2 Mile 91 - Moyamba Jct. 184 146 170 37 NA- 3 Mile 91-Kumrabai Jct. 100 127 74 26 NA- 4 Moyamba Jct Mile 91 133 118 100 50 NA- 5 Moyamba Jct Taiama 139 118 99 42 NA- 6 Moyamba Jct Njabgahun 53 62 42 20 NA- 7 Yonibana - Yonibana Jct. 94 45 18 11 NA- 8 Yonibana - Roruks 80 39 17 9 NA- 9 Njagbahun Jct Moyamba 26 42 16 7 NA-10 Njagbahun Jct Moyamba Jct. 6 49 29 7 NA-11 Njagbahun Jct Kangahun 9 20 20 3	537 327 401 398 177 168 145 91
NA- 3 Mile 91-Kumrabai Jct. 100 127 74 26 NA- 4 Moyamba Jct Mile 91 133 118 100 50 NA- 5 Moyamba Jct Taiama 139 118 99 42 NA- 6 Moyamba Jct Njabgahun 53 62 42 20 NA- 7 Yonibana - Yonibana Jct. 94 45 18 11 NA- 8 Yonibana - Roruks 80 39 17 9 NA- 9 Njagbahun Jct Moyamba 26 42 16 7 NA-10 Njagbahun Jct Moyamba Jct. 6 49 29 7 NA-11 Njagbahun Jct Kangahun 9 20 20 3	327 401 398 177 168 145 91
NA- 4 Moyamba Jct Mile 91 133 118 100 50 NA- 5 Moyamba Jct Taiama 139 118 99 42 NA- 6 Moyamba JctNjabgahun 53 62 42 20 NA- 7 Yonibana - Yonibana Jct. 94 45 18 11 NA- 8 Yonibana - Roruks 80 39 17 9 NA- 9 Njagbahun JctMoyamba 26 42 16 7 NA-10 Njagbahun JctMoyamba Jct. 6 49 29 7 NA-11 Njagbahun JctKangahun 9 20 20 3	401 398 177 168 145 91
NA- 5 Moyamba Jct Taiama 139 118 99 42 NA- 6 Moyamba JctNjabgahun 53 62 42 20 NA- 7 Yonibana - Yonibana Jct. 94 45 18 11 NA- 8 Yonibana - Roruks 80 39 17 9 NA- 9 Njagbahun JctMoyamba 26 42 16 7 NA-10 Njagbahun JctMoyamba Jct. 6 49 29 7 NA-11 Njagbahun JctKangahun 9 20 20 3	398 177 168 145 91
NA- 6 Moyamba JctNjabgahun 53 62 42 20 NA- 7 Yonibana - Yonibana Jct. 94 45 18 11 NA- 8 Yonibana - Roruks 80 39 17 9 NA- 9 Njagbahun JctMoyamba 26 42 16 7 NA-10 Njagbahun JctMoyamba Jct. 6 49 29 7 NA-11 Njagbahun JctKangahun 9 20 20 3	177 168 145 91
NA- 7 Yonibana - Yonibana Jct. 94 45 18 11 NA- 8 Yonibana - Roruks 80 39 17 9 NA- 9 Njagbahun JctMoyamba 26 42 16 7 NA-10 Njagbahun JctMoyamba Jct. 6 49 29 7 NA-11 Njagbahun JctKangahun 9 20 20 3	168 145 91
NA- 8 Yonibana - Roruks 80 39 17 9 NA- 9 Njagbahun JctMoyamba 26 42 16 7 NA-10 Njagbahun JctMoyamba Jct. 6 49 29 7 NA-11 Njagbahun JctKangahun 9 20 20 3	145 91
NA- 9 Njagbahun JctMoyamba 26 42 16 7 NA-10 Njagbahun JctMoyamba Jct. 6 49 29 7 NA-11 Njagbahun JctKangahun 9 20 20 3	91
NA-10 Njagbahun JctMoyamba Jct. 6 49 29 7 NA-11 Njagbahun JctKangahun 9 20 20 3	
NA-11 Njagbahun JctKangahun 9 20 20 3	91
MA-II Magbanda occ. Ranganan	
NA 12 Movemba - Mokure Tet 42 50 15 7	52
NA-12 POYAMBA FORUTE Sec.	114
NA-13 Moyamba - Njagbahum Jct. 67 109 30 5	211
NA-14 Moyama - Sembehun Jct. 15 12 16 5	48
NA-15 Mategema JctMogbomo Jct. 58 71 61 104	294
NA-16 Mategema JctMokaba Jct. 67 93 48 37	225
NA-17 Mategema JctMokanji 64 78 67 183	392
NA-18 Mokaba Jct Mategema Jct. 12 15 14 9	50
NA-19 Mokaba Jct Momaligie 9 10 11 3	33
NA-20 Mokaba Jet Mattru Fy. 15 15 14 9	53
NA-21 Bauya - Moyamba 23 39 23 12	97
NA-22 Bauya - Bradford 31 48 25 14	118
NA-23 Bauya - Roruks 18 37 26 16	97
NA-24 Kumrabai JctMagbolo Fy. 24 33 10 9	76
NA-25 Kumrabai JctMile 91 24 53 10 11	98
NA-26 Kumrabai JctRobol Jct. 31 57 17 14	119
NA-27 Kumrabai - Mabang 5 7 2 3	17
NA-28 Malanchor - Makundu 5 11 35 6	57
NA-29 Makite - Makarankay 5 9 6 8	28
NA-30 Bradford Jct Ribby Fy 26 20 17 17	80
NA-31 Bradford JctRotifunk 32 22 18 16	88

MILE 91 AREA

STATION			VANS	TRUCKS	EXTRA	
NO.	ROAD	CARS	AND PICK-UPS	AND BUSES	HEAVY VEHICLES	TOTAL
NA-32	Bradford Jct Mofengere	22	18	19	16	75
NA-33	Foya - Mabang	25	14	11	8	58
NA-34	Rotifunk - Motobong	22	100	25	21	168
NA-35	Sembehuwo JctMoyamba	21	26	36	12	95
NA-36	Sembehuwo JctSembehuu	15	26	30	10	81
NA-37	Sembehuwo JctMoselolo	10	14	15	5	44
NA-38	Mogbomo JctGbangbaia	24	25	22	. 2	73
NA-39	Mogbomo JctGbangbatoke	42	45	35	4	126
NA-40	Romagbut JctRoruks	24	36	.8	2	70
NA-41	Romagbut Jct Rauya	.36	45	16	13	110
NA-42	Romagbut Jct Magbosie	25	33	9	5	72
NA-43	Roruks - Mafokoya	5	7	7	1	20
NA-44	Yoyeima - Gondama	11	9	8	7	35
NA-45	Mosari - Bantamokele		_	4	-	4
NA-46	Rochen Jct Rochen Malal	10	11	10	6	37
NA-47	Mathoir - Makonkary	13	16	12	6	47
NA-48	Makabanda - Bomotoke	_	5	1	-	6
NA-49	Mathoir - Rokel Fy.	42	45	24	17	138
NA-50	Rochen JctRochen Kamanda	111	5	12	-	28
NA~51	Konta Kuma - Rokon	4	11	16	7	38
NA-52	mosepkendeh - Levuma	12	14	11	9	46
NA-53	Mokorewo Jct Mogbenka	11	13	9	3	36
NA54	Masorie - Berimbeh	4	7	16		27
NA-55	Kangahun - Manjehun Jct.	7	8	7	3	25
NA-56	Bongoya - Kawaya Jct.	7	4	4	. 2	17

APPENDIX G ADT BY MINISTRY OF WORKS ON THE PROJECT ROAD



(PANLAP)

YEAR	CARS	VANS & PICKUPS	TRUCKS & BUSES	EXTRA HEAVY VEHICLES	TOTAL
1.975	34	51	51	4	142
1976	48	64	62	12	186
1977	40	.53	63	13	169
1978	52	56	102	25	235
1979	38	85	40	28	191

(SENDUGU JUNCTION)

(2EMDOGO JONGTION)									
YEAR	CARS	VANS & PICKUPS	TRUCKS & BUSES	EXTRA HEAVY VEHICLES	TOTAL				
1975	17/15	37/43	30/32	3/3	87/95				
1976	7/6	38/34	19/26	1/1	65/67				
1977	15/12	32/28	29/22	3/5	. 79/67				
1978	9/7	13/14	30/32	2/2	54/55				
1979	10/9	27/23	36/41	0/0	73/73				

NOTE: UP ...a, DOWN ...b

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YEAR	CARS	VANS & PICKUPS	TRUCKS & BUSES	EXTRA HEAVY VEHICLES	TOTAL
1975	24	44	68	2	135
1976	28	63	51	4	1,46
1977	27	37	51	2	11.7
1978	65	80	98	11	254
1979	20	34	32	7	93

Source: Ministry of Works

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Day	CARS	VANS AND PICK-UPS	TRUCKS AND BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
25/9/179	9	34	25	11	79	·
26/9/'79	15	33	28	. 9	85	
27/9/179	(14) 13	(52) 43	(35) 33	(15) 11	(116) 100	()is 24 hrs Traffics
28/9/179	5	43	31	5	84	
29/9/179	18	30	34	13	95	
30/9/'79	53	44	24	10	131	
1/10/'79	16	31	41	22	110	
TOTAL	129	258	216	81	684	
AVERAGE	19	37	31	12	99.	

(St.-2) MABOLE

12 hours Traffic

	CARS	VANS PICK-UPS	TRUCKS BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
25/9/'79	9	33	25	10	77	

12 hours Traffic

		the second second second		*	3.2	HIGHER
Day	CARS	VANS PICKUPS	TRUCKS BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
25/9/179	4	31	16	10	61	
26/9/'79	0	21	22	11	54	
27/9/179	5	29	20	9	63	
28/9/'79	1	34	20	2	57	
29/9/'79	5	15	23	3	46	i
30/9/179	16	33	22	9	80	
1/10/179	2	21	20	10	53	
TOTAL	33	184	143	54	413	
AVERAGE	5	27	21	8	61	

12 hours Traffic

					TZ HOULS	ITALLIC
Day	CARS	VANS PICKUPS	TRUCKS BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
25/9/179	3	29	14	10	56	
26/9/179	0	17	23	13	53	:
27/9/'79	5	24	24	10	63	
28/9/'79	1	32	16	0	49	
29/9/179	4	17	19	2	42	
30/9/'79	10	23	22	7	62	
1/10/'79	2	21	20	8	51	
TOTAL	25	163	138	50	376	
AVERAGE	4	24	20	8	56	

12 hours traffic

			The second second second	*.		
Day	CARS	VANS PICKUPS	TRUCKS BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
25/9/179	2	3	6	0	11	
26/9/179	5	11	10	2	28	
27/9/'79	2	8	7	0	17	
28/9/'79	0	8	4	1	13	
29/9/179	2	4	7	2	15	: ::
30/9/179	7	14	3	0	24	
1/10/'80	1	8	9	3	21	
TOTAL	19	56	46	8	129	
AVERAGE	3	8	7	2	20	

(St. 6) BATKANU FERRY

12 hours traffic

Day	CARS	VANS PICKUPS	TRUCKS BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
25/9/179	0	1	3	0	4	

12 hours traffic

Day	CARS	VANS PICKUPS	TRUCKS BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
25/9/'79	2	22	15	11	50	

(St. 9) KENENDI

12 hours traffic

Day	CARS	VANS PICKUPS	TRUCKS BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
25/9/179	2	27	8	0	37	

(St. 8) BANKABI

12 hours traffic

Day	CARS	VANS PICKUPS	TRUCKS BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
25/9/179	2	23	15	3	43	

12 hours traffic

Day	CARS	VANS PICKUPS	TRUCKS BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
25/9/179	2	30	8	0	40	. :
26/9/179	0 .	29	10	0	39	
27/9/'79	(8) 4	(34) 23	(28) 11	(4)	(74) 40	() is 24 hrs. Traffics
28/9/179	8	22	8	0	38	
29/9/179	5	14	14	0	33	
30/9/179	3	18	21	5	47	
1/10/'79	2	26	11	4	43	
TOTAL	24	162	83	11	280	
AVERAGE	4	24	12	2	42	

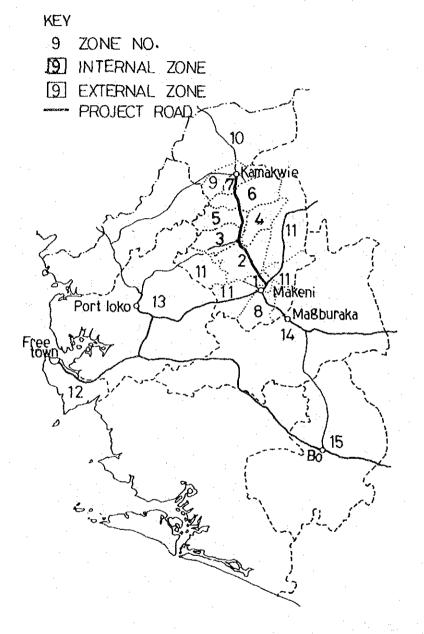
12 hours traffic

Day	CARS	VANS PICKUPS	TRUCKS BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
2/10/179	2	16	2	6	26	

(St. 12) KABBA FERRY

12 hrs Traffic

Day	CARS	VANS PICKUPS	TRUCKS BUSES	EXTRA HEAVY VEHICLES	TOTAL	REMARKS
4/10/'79	1	11	0	4	16	



- 1. Makari Gbanti Chiefdom
- 2. Gbendembu Gowahun Chiefdom 10. Tambaka Chiefdom
- 3. Sanda Tenraran Chiefdom
- 4. Magbaiamba Chiefdom
- Gbanti Kamaranka Chiefdom
- 6. Sanda Loko Chiefdom
- Sela Limba Chiefdom
- 8. Bombali Sebora Chiefdom

- 9. Sela Limba Chiefdom (except Kamakwie)
- 11. Bombali District Except above Zones.
- 12. Western Area (Freetown)
- 13. Port Loko District
- 14. Tonkolili District
- 15. Bo District.

CARS O-D MATRIX (O-D SURVEY as of September, 25)

Zone	1	2	3.	4 .	5	6	7	8	9	10	11	12	13	14	Total
1								1							1
2	:							. 2				1			3
3					,	1		1							1
4															
5	:										14.				
6												a .			
7															
8	1	2	1						1						5
9					-									1	1
10															
11															
1.2															
13															
14					_										
Total	1 .	2	1			 		4	1			1		1	11

VANS O-D MATRIX (O-D SURVEY as of September, 25)

Zone	1	2	3	4	5	6	7	8	9	10	11	: 12	13	14	Total
1		1													1
2	. 1							1							2
3															
4		-													
5						:							- 1		. 1
6							1		2						3
7									2						2
8		1	2						8						11
9		:				2	2	7					1		12
10						<u>-</u>			<u> </u>						
11															
12															
13		:	_					: <u>.</u>		·					
14									i.						
Total	1	2	2			2	3	8	12				2		32

BUSES 0 - D MATRIX (0 - D SURVEY as of September, 25)

TRUCKS O - D MATRIX (O - D SURVEY as of September, 25)

Zone	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Tota1
1																
2	2 .								1			2				5
3					1			1	1							3
4																
5						1		1				2				4
6					- 2			2								4
7																
8			1						1					 		2
9																
10															:	·
11																
12		2				-			1							3
13									1				. :			1
14																
15									2							2
Total	2	2	1		3	1		4	7			4			· · · ·	24

Zone	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
1		1														1
2	1							3								4
3							-		1							1
4																
5								1								1
6					1		1		1							3
7						1										1
8	1	3	:		1				1							6
9			1			1.		1								3
10																
11							·						,			
12						·										
13																
14																
15				·												
Total.	2	4	1		2	2	1	5	3		:.					20

PICK UPS O - D MATRIX (O - D SURVEY as of September, 25)

EXTRA HEAVY VEHICLES O - D MATRIX (O - D SURVEY as of Sept.,25)

												. *	4 3			
Zone	1	2	3	. 4	5	6	7	8	9	10	11	12	13	14	15	Total
1.																
2	1	2						1	1				:			5
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4								:								
5				:				1	11. 1			1: .				1
6									1	- 11				. :		1
7											-					
8		1	1		1	- :			4							7
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10						1	,									
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12								. 1								
13									i z							
14		:	1													
15					:											
Total	1	4	1		3	1		4	6	;		1		-		21

Zone	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
1		1									1					- 2
2																
3		:			1		:									1
4								-								
5						1		2				3				6
6												1				1
7	1, -		**!***													
8					3.										·	3
9																
10							10 / 10 10 / 1									
11	1					41.										1.
12		1		·		1										2
13																
14															1.	
15																,
Total	1	2			4	2		2			1	. 4				16

APPENDIX J PROPOSED FEEDER ROAD PROJECTS IN NORTHERN AREA FOR 1978~'81

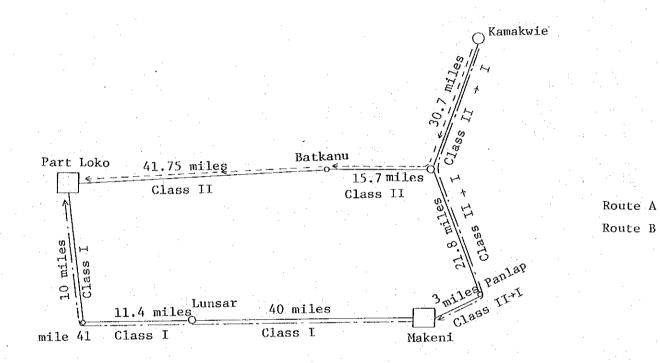
S1.No.	Road From - To	Chiefdom	Length in Miles	Maps & Co-ordinates	Comments	Justification
Ņ1	Matotoka-Mabis-Mapaki-Masint- Mabobo-Makent-Sengbe-Mangi	Tane Gbonkolenken	9.6	Sheet 55,50/60 by 75/86		Village-9 Houses-304, Population-3,774, Swamp-1,864 acres Upland-3,703 acres, Groundnuts-325 acres, High Agricultural development potential.
N2	Mapaki-Makeni-Matinke Masaful-Makona-Mafari	Tane	8.25	55 50/55 by 83/89		Village-6, Houses-122, Population-1, 193, Swamp-593 acres, Upland-989 acres, Groundnut-125 acres, High Agricultural development potential.
N3	Tane-Manuke-Makne Konta-Masuba-Fotani	Bombali Sebora	7.25	44,55 65/73 by 64/68	Already approved Tane- Manuko(4 mls) extended upto Fotani	Village-6, Houses-319, Population-3,020, Swamp-60 acres Upland-150 acres, Groundnut-90 acres, High Agricultural development potential.
N4	Myan junction (Abu Road) Myan-Mamara	Tane	4.0	55 80/83 by 58/60		Village-3, Houses-29, Population 294, Swamp-265 acres, Upland-110 acres, Groundnut-84 acres. High Agricultural development potential.
N5	Mapaki-Yima-Makanbri Mabai-Mawria-Mankore- Binkolo	Paki Masabong Safroko Limba	14.0	73/91 by 80/88	Already approved.	
N6	Binkolo-Kotela-Bunka Matinka-Bombali bana-Panlap	Safroko Limba Makari Gbanti	10.0	43, 44 81/94 by 87/94	Already approved.	
N7	Matotoka-Polo-Mabamp-Mafuri- Malako-Matunkara-Mafori- Mabai-Makufri-Mabene-Makkele	Tane	14.0	44, 55, 56 86/98 by 58/70		Village-11, Houses-295, Population-3,890, Swamp- 1,828 acres, Upland-4,240 acres, Groundnut-812 acres. Very high agricultural development potential.
N8	Matura-Lumgba-Madibi-Masint- Mamila-Mayata-Mayemberi	Kholifa	7.75	55 80/86 by 53/67		Village-7, Houses-109, Population-1,260, Swamp-3,705 acres, Upland-230 acres, Groundnut-650 acres. Very high agricultural development potential.
N9	Abu-Road-Mabai-Masabong-Masati- Madina-Masabangpil	Paki Masabong	4.5	54, 55 63/68 by 70/74		Village-5, Houses-181, Population-1,752, Swamp-100 acres, Upland-300 acres, Groundnut-180 acres. Very high agricultural development potential.
N10	Mapaki junction (Abu Road) - Konto-Rosanda-Buma-Masongbo	Paki Masabong	4.5	44 70/75 by 73/76		Village-4, Houses-227, Population-2,175, Swamp-90 acres, Upland-180 acres, Groundnut-95 acres. High agricultural development potential.
N11.	Mabai-Tanta-Katribana-Takeye	Paki Masabong Safroko Limba	4.0	44 82/86 by 75/81		Village-4, Houses-119, Population-3,325, Swamp-60 acres, Upland-150 acres, Groundnut-95 acres. High agricultural development potential.
N12	Mapaki-Masima-Mafina-Sint- Makota-Manria Sebana- Mayanlew-Mabala	Paki Masabong	5.0	44,55 66/73 by 75/80	Already approved.	

S1.No	Road From - To	Chiefdom	Length in Miles	Maps & Co-ordinates	Comments	Justification
N13	Mayagba(Abu Road) Airfield - Makuna-Makeni-Mayendeh (second one to south) Makeni-Makinta Makankoi	Paki Masabong Bombali Sebora	9.6	44,54,55 62/69 by 64/74	Already approved but extended	Village-4, Houses-86, Population 840, Swamp-80 a Upland-350 acres, Groundnut-200 acres. Very hig agricultural development potential.
N14	Main road-Mabunt-Rolunk- Waribana	Bombali Sebora	5.0	43, 54 14/21 by 68/70		Village-4, Houses-124, Population-1,230, Swamp-1 acres, Upland-150 acres, Groundnut-100 acres. High agricultural development potential.
N1.5	Makama-Mankane-Mabure-Mabaisor- Mafenka-Rogbore-Mabidungung	Bombali Sebora	4.75	43 74/81 by 20/24		Village-7, Houses-145, Population-1,408, Swamp-1 acres, Upland-250 acres, Groundnut-150 acres. High agricultural development potential
N16	Main road-Mabanta-Masimera- Maforke-Manke-Matumbu-Masantigi- Maranka-Mamara-Rokon	Bombali Sebora Makari Gbanti	8.5	43 84/91 by 17/24		Village-9, Houses-210, Population-2,117, Swamp-8 acres, Upland-250 acres, Groundnut-150 acres. High agricultural development potential.
N17	Masungbo-Masapri-Laia-Makene- Yenkin-Makeh.		5.5	43 82/75 by 15/18		Village-6, Houses-339, Population-2,925, Swamp-8 acres, Upland-200 acres, Groundnut-100 acres. High agricultural development potential.
N18	Masungbo-Makendaw-Magbingbi- Matekre-Matoko-Magbonde-Makerifi- Pundung-Mukundu.	Makari Gbanti	7.2	43 82/90 by 13/18		Village-8, Houses-447, Population-4,895, Swamp-acres, Upland-280 acres, Groundnut-200 acres. Very high agricultural development potential.
N19	Binkolo-Mafari-Kamanka-Masama- Madu-Masunbum-Mapari-Bare- Mankaw, Yasi-Kadala-Gbankaki- Masapi.	Safroko Limba	16.5	32,44 91/03 by 73/95		Village-13, Houses-383, Population-4,650, Swamp-acres, Upland (800) acres, Groundnut- (400)acres. The road is partly motorable. Agricultural development potential is very high.
N20	Kamanke-Bumba-Kabonka-Kambaya- Kitori-Kasengbe.	Safroko Limba	9.0	32,44 92/04 by 75/84		Village-6, Houses-191, Population-1,917, Swamp acres Upland-(500) acres, Groundnut(200) acres. High agricultural development potential.
N21	Katankina-Kanobo-Makane- Mafuita-Maseli	Safroko Limba	6.5	31,32 96/00 by 25/74		Village-5, Houses-118, Population-940, Swamp-37 acres, Upland-34 acres, Groundnut-13 acres. Hi agricultural development potential.
N22	Kamabai-Mafure-Manlokoko- Mabunke-Mafunke-Kamaron- Bunbande-Makedi-Madantili- Kamakita-Kayele.	Biriwa	12.0	31,32 2/10 by 26/74		Village-11, Houses-279, Population-2,500, Swampacres, Upland-300 acres, Groundnut-200 acres. High agricultural development potential.
N23	Main road-Bonaia-Karina Wari- Mayanga-Mayobi-Manyoro-Main road.	Biriwa	13.5	20, 31, 32 16/26 by 29/74		Village-10, Houses-394, Population-2,503, Swamp acres, Upland-103 acres, Groundnut-144 acres. High agricultural development potential.
N24	Kanike-Manani-Makaimaia- Kabake.	Biriwa	4.5	20 26/30 by 85/88		Village-5, Houses-161, Population-1,010, Swamp-acres, Upland-92 acres, Groundnut-21 acres. Hagricultural development potential.

S1. No.	Road From - To	Chiefdom	Length in Miles	Maps & Co-ordinates	Comments	Justification
N25	Main Road South Kabara- Kakia-Kamatugu-Kakayu	Biriwa	8.25	20 32/46 by 86/87		Village-8, Houses-243, Population-695, Swamp-28 acres, Upland-9 acres, Groundnut-9 acres. Very high agricultural development potential.
N26	Main road-Mamasiki-Maleni- Karakana-Kagbangona	Biriwa	8,25	20 31/45 by 80/81	٠.	Village-5, Houses-179, Population-935, Swamp-4 acres, Upland-13 acres, Groundnut-13 acres. Very high agricultural development potential.
N27	Kalangba-Sagorema-Nguhun- Suinya-Mangua-Makite-Mahumbu- Madina.	Gbendembu Gowahun	10.0	31 00/07 by 2/25		Village-8, Houses-93, Population-800, Swamp-none, Upland-35 acres, Groundnut-30 acres. High agricultural development potential.
N28	Tambianu-Makeribohun-Makawgo- Kaiange-N27	Gbendembu Gowahun	5.0	31 96/02 by 18/19		Village-4, Houses-68, Population-545, Swamp-6 acres, Upland-40 acres, Groundnut-10 acres. High agricultural development potential.
N28A	Mango-Matogo-Bekeum-Ngingilu- Maberi-Makump-Mafure-Makite	Gbendembu Gowahun	10.0	31 20/21 by 93/100		Village-8, Houses-120, Population-450, Swamp-nil, Upland-nil, Groundnut-nil, High agricultural potential.
N29	Manfaga-Masungbo-Matintinga- Kagbori-Mabana.	Gbendembu Gowahun	5.75	31,43 92/97 by 9/12		Village-5, Houses-61, Population-420, Swamp-9 acres, Upland-20 acres, Groundnut-9 acres. High agricultural potential.
N30	Kalangba-Gberi-Tanehun-Mabana- Mabombo-Mangowka.	Gbendembu Gowahun	7.5	31, 42, 43 92/00 by 2/12		Village-6, Houses-56, Population-500, Swamp-100 acres Upland-nil, Groundnut-nil. High agricultural potential.
N31	Makambi-Matogo-Maketi-Mameka- Mamuli-Mafe-Masuri-Mabulo.	Gbendembu Gowahun	10.00	30,31 00/11 by 95/00		Village-8, Houses-93, Population-1,200, Swamp-20 acres, Upland-60 acres, Groundnut-nil. High agricultural development potential.
N32	Pendembu-Makwi-Magbana-Lohindi- Kotohun-Makako-Mawanwa-Mayake- Mabala-Mabole river.	Gbendembu Gowahun	16.0	31 07/27 by 08/15	M.O.W.Road	
N33	Lohindi-Mange-Bangahun-Mamaia- Mahambola.	Gbendembu Gowahun	3.25	31 10/14 by 14/17		Village-5, Houses-41, Population-104, Swamp-nil, Upland-nil, Groundnut-nil. Agricultural potential high.
N34	Kalangba-Bumba-Makeha-Maharigo	Gbendembu Gowahun	8.0	31 00/10 by 12/14		Village-4, Houses-200, Population-930, Swamp-22 acres, Upland-30 acres, Groundnut-15 acres. High agricultural potential.
N35	Mahanwa-Guhan-Manangbe- Masaingbe-Maduri	Gbendembu Gowahun	4.75	31 11/17 by 20		Village-5, Houses-50, Population-150, Swamp-nil, Upland-nil, Groundnut-nil. High agricultural potential.
N36	Pendembu/Port Loko road at Matiti-Bom-Gbene-Sindugu-Manaipe	Sanda Tendaran	5.5	30, 31 00/03 by 10/16		Village-5, Houses-90, Population-740, Swamp-15 acres, Upland-10 acres, Groundnut-nil. Very high agricultural potential. (Cattle Problem).

Sl. No.	Road From - To	Chiefdom	Length in Miles	Maps & Co-oridinates	Comments	Justification
N37	Kamakwie road at Ribia Gbin-Masungbu-Sanao-Mabala	Sanda Rendaren	3.17	31 17/20 by 04/07		Village-4, Houses-120, Population-1,190, Swamp- 25 acres, Upland-25 acres, Groundnut-30 acres. High agricultural development potential.
N38	Kamakwie road at Masaktaba- Kalangba-Makuri-Gbanti- Kuntai-Makumre-Mawanti-Rogbanti- Makalikiri-Makonya-Makaranki- Marata-Kanipo.	Sanda Tendaren Gbanti Kamaranka	13.25	30,31 22/23 by 86/07		Village-13, Houses-264, Population-4,447, Swamp- 100 acres, Upland-250 acres, Groundnut-200 acres. Very high agricultural development potential.
N39	Makumre-Mafuri-Gbane-Manp-Aibe- Kalogbo-Marampa	Sanda Tendaren	7.0	30 16/23 by 91/98		Village-10, Houses-100, Population-1,000, Swamp- 45 acres, Upland-6 acres, Groundnut-50 acres. Very high agricultural development potential.
N40	Kamakwie road at Kamaranka- Mawula-Petifu-Matefu-Makilon- Kambia-Mahera	Gbanti Kamaranka	7.5	18, 19 28/34 by 97/07		Village-9, Houses-370, Population-2,130, Swamp-58 acres, Upland-33 acres, Groundnut-111 acres. Very high agricultural development potential.
N41	Kamakwie road at Makaiba- Gblan-Mayanba-Yema.	Sanda Tendaren Gbanti Kamaranka	3.75	19, 31 28/34 by 07/12		Village-6, Houses-95, Population-1,394, Swamp-23 acres, Upland-24 acres, Groundnut-20 acres. High agricultural potential.
N42	Matham-Rogbosse-Masokoni- Marako-Kalmaro.	Kholifa	10.0	44 83/95 by 70/74		Village-5, Houses-150, Population-698, Swamp-600 acres, Upland-2,360 acres, Groundnut-960 acres. High agricultural development potential.
N43	Kunso-Magbankane-Barbana- Bantamu.	Makari Gbanti	3.75	43 22/25 by 90/94		Village-4, Houses-100, Population-910, Swamp-47 acres, Upland-49 acres, Groundnut-18 acres. High agricultural development potential.

APPENDIX K COMPETITIVE ROUTES FOR DIVERTED TRAFFIC



Route	Distance Present	by hour Future	Kamakwie→Port	Loko	Sandngn→Port	Loko
Α .	3.53	2.77	Mile 88.15	:s	57.45	
В	3.17	1.80	116.90		86.20	
	1.1	1.5	1.3			

Running Velocity Class I65 mile/hour Class II25 mile/hour

Reduction of Running Cost

Type of Vehicle		rite	Le/Vehicle Paved Good	Reduction of Running Cost Fair	Le/No. Bad
CAR	19.84	24.04	17.25	2.59	6.79
VAN PICKUP	24.05	28.84	21.61	2.44	8.23
BUS TRUCK	31.62	38.10	28.52	3.10	9.58
E.H.R.	49.31	62.02	44.34	4.97	17.68