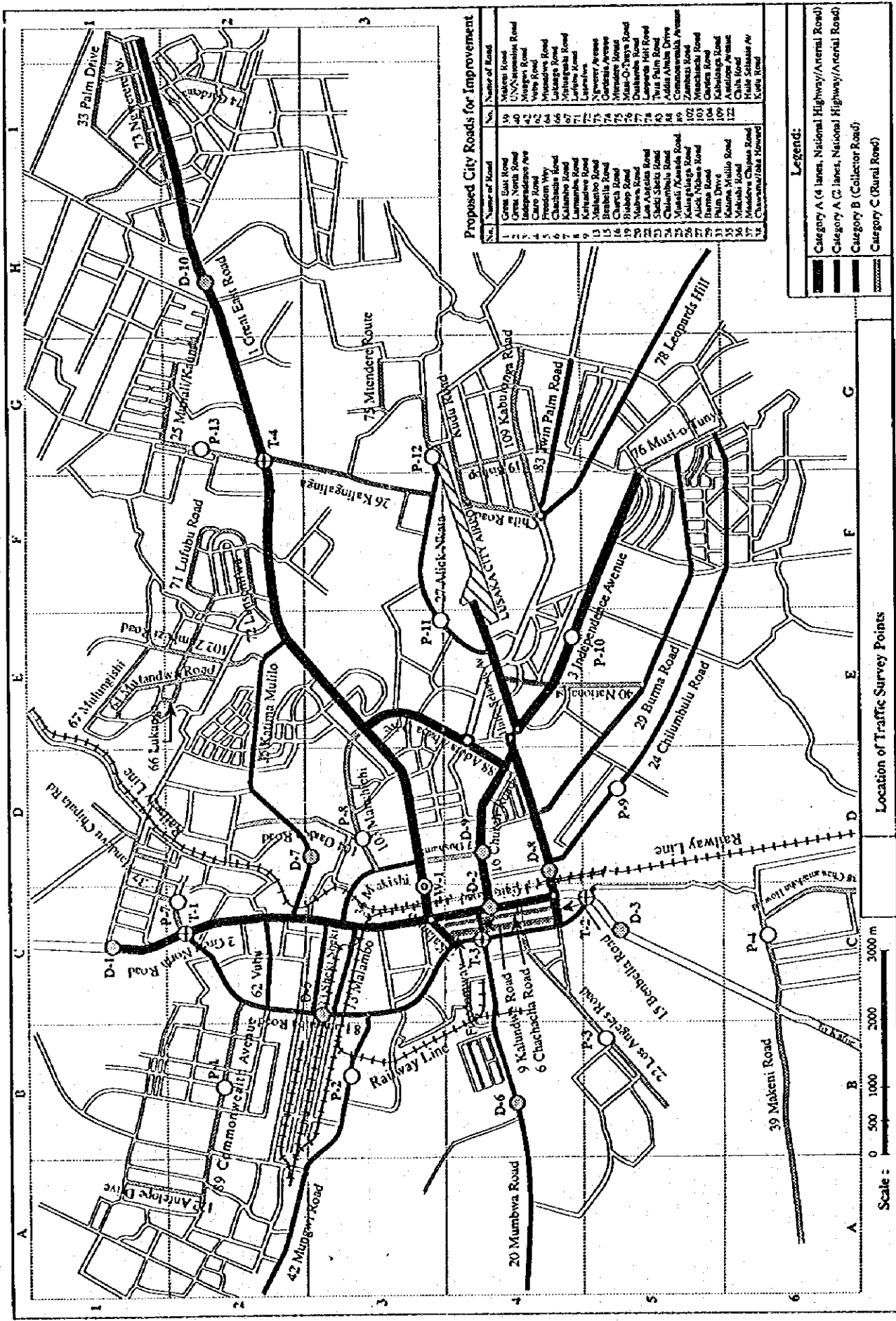


資料C-3：交通量調査結果

- (1) 交通量調査地点図
- (2) 交通量計測結果
- (3) 軸重調査結果

(1) Location of Traffic Survey Points



(2) Result of Traffic Count Survey

24 Hours Traffic Volume (7:00-7:00)

No.	Direction	(1).Car	(2) LGV	(3)MGV	(4)HGV	(5).Min Bus	(6).Med Bus	(7).Hev Bus	(8).M/C	(9).Bicycle	(10).Others	Total	HV.(3)+(4)+(6)+(7)	% of HV
W-1	To East	5720	2284	196	52	471	792	33	34	7	9	9598	1073	0.112
Daytime	To West	6570	2526	278	32	553	797	46	38	6	3	10849	1153	0.106
	Total	12290	4810	474	84	1024	1589	79	72	13	12	20447	2226	0.109
W-1	To East	707	231	20	9	132	122	6	11	5	0	1243	157	0.126
Nighttime	To West	547	195	29	5	141	114	5	8	13	0	1057	153	0.145
	Total	1254	426	49	14	273	236	11	19	18	0	2300	310	0.135
W-1	To East	6427	2515	216	61	603	914	39	45	12	9	10841	1230	0.113
Whole Day	To West	7117	2721	307	37	694	911	51	46	19	3	11906	1306	0.110
	Total	13544	5236	523	98	1297	1825	90	91	31	12	22747	2536	0.111

(3) Result of Axle Load Survey

Unit: Kg

Vehicle Type	First Axle	Second Axle	Third Axle	Fourth Axle	Fifth Axle	Total
Truck/Bus	6641	17211				23852
Semi Trailer	6025	17926	26594			50545
Drabar Trailer(4 axle)	5937	17191	21146	24084		68358
Drabar Trailer(5 axle)	6222	17734	22467	8493	12114	67030

Peak Hour Traffic Volume

No.	Direction	(1)Car	(2)LGV	(3)MGV	(4)HGV	(5)Min Bus	(6)Med Bus	(7)Hiv Bus	(8)M/C	(9)Bicycle	(10)Others	Total	HV:(3)+(4)+(6)+(7)	% of HV	
P-6 One-way	Peak Hour	To North													
		To South	289	68	15	1	14	8	2	3	3	2	405	26	0.064
		Total	289	68	15	1	14	8	2	3	3	2	405	26	0.064
	Expansion Factor 0.1														
12 Hours	To North														
	To South	2890	680	150	10	140	80	20	30	30	20	4050	260	0.064	
	Total	2890	680	150	10	140	80	20	30	30	20	4050	260	0.064	
P-7	Peak Hour	To East	64	30	4	0	73	23	3	4	12	0	213	30	0.141
		To West	46	25	4	0	68	17	1	0	8	0	169	22	0.130
		Total	110	55	8	0	141	40	4	4	20	0	382	52	0.136
	Expansion Factor 0.1														
12 Hours	To East	640	300	40	0	730	230	30	40	120	0	2130	300	0.141	
	To West	460	250	40	0	680	170	10	0	80	0	1690	220	0.130	
	Total	1100	550	80	0	1410	400	40	40	200	0	3820	520	0.136	
P-8	Peak Hour	To East	94	57	12	1	38	38	2	1	28	0	271	53	0.196
		To West	132	8	3	1	19	21	3	6	46	16	255	28	0.110
		Total	226	65	15	2	57	59	5	7	74	16	526	81	0.154
	Expansion Factor 0.1														
12 Hours	To East	940	570	120	10	380	380	20	10	280	0	2710	530	0.196	
	To West	1320	80	30	10	190	210	30	60	460	160	2550	280	0.110	
	Total	2260	650	150	20	570	590	50	70	740	160	5260	810	0.154	
P-9	Peak Hour	To East	230	82	4	1	74	56	1	1	0	0	449	62	0.138
		To West	143	44	5	8	68	40	3	0	5	0	316	55	0.177
		Total	373	126	9	9	142	96	4	1	5	0	765	118	0.154
	Expansion Factor 0.1														
12 Hours	To East	2300	820	40	10	740	560	10	10	0	0	4490	620	0.138	
	To West	1430	440	50	80	680	400	30	0	50	0	3160	560	0.177	
	Total	3730	1260	90	90	1420	960	40	10	50	0	7650	1180	0.154	
P-10	Peak Hour	To East	258	77	4	0	16	4	0	2	8	0	369	8	0.022
		To West	627	167	15	2	23	11	2	1	0	0	848	30	0.035
		Total	885	244	19	2	39	15	2	3	8	0	1217	38	0.031
	Expansion Factor 0.1														
12 Hours	To East	2580	770	40	0	160	40	0	20	80	0	3690	80	0.022	
	To West	6270	1670	150	20	230	110	20	10	0	0	8480	300	0.035	
	Total	8850	2440	190	20	390	150	20	30	80	0	12170	380	0.031	

Peak Hour Traffic Volume

No.	Direction	(1)Car	(2)LGV	(3)MGV	(4)HGV	(5)Min Bus	(6)Med Bus	(7)Hiv Bus	(8)M/C	(9)Bicycle	(10)Others	Total	HV:(3)+(4)+(6)+(7)	% of HV	
P-11	Peak Hour	To East	221	161	30	4	77	99	5	1	32	1	631	138	0.219
		To West	238	225	49	8	101	111	5	12	49	0	798	173	0.217
		Total	459	386	79	12	178	210	10	13	81	1	1429	311	0.218
	Expansion Factor 0.281														
12 Hours	To East	786	573	107	14	274	352	18	4	114	4	2246	491	0.219	
	To West	847	801	174	28	359	395	18	43	174	0	2840	616	0.217	
	Total	1633	1374	281	43	633	747	36	46	288	4	5085	1107	0.218	
P-12	Peak Hour	To East	211	192	25	3	77	48	7	5	36	1	605	83	0.137
		To West	286	26	17	0	46	30	2	0	10	0	417	49	0.118
		Total	497	218	42	3	123	78	9	5	46	1	1022	132	0.129
	Expansion Factor 0.3216														
12 Hours	To East	656	597	78	9	239	149	22	16	112	3	1881	258	0.137	
	To West	889	81	53	0	143	93	6	0	31	0	1297	152	0.118	
	Total	1545	678	131	9	382	243	28	16	143	3	3178	410	0.129	
P-13	Peak Hour	To North	112	97	4	0	23	51	1	4	15	0	307	56	0.182
		To South	103	9	1	0	14	25	1	7	4	0	164	27	0.165
		Total	215	106	5	0	37	76	2	11	19	0	471	83	0.176
	Expansion Factor 0.1538														
12 Hours	To North	728	631	26	0	150	332	7	26	98	0	1996	364	0.182	
	To South	670	59	7	0	91	163	7	46	26	0	1066	176	0.165	
	Total	1398	689	33	0	241	494	13	72	124	0	3062	540	0.176	

Lumumba (market) Based on Traffic Count in 1992	Peak Hour	To North												
		To South												
		Total												
	Expansion Factor 0.1													
12 Hours	To North													
	To South													
	Total	6941	5936	1132	371	2472	1692	293	159	248	71	19515	3688	0.189

12 Hours Traffic Volume (7:00 - 19:00)

No.	Direction	(1)Car	(2) LGV	(3)MGV	(4)HGV	(5)Min Bus	(6)Med Bus	(7)Hev Bus	(8)M/C	(9)Bicycle	(10)Others	Total	H.V.(3)+(4)+(6)+(7)	% of HV
D-1	To North	985	864	249	110	139	79	29	16	14	7	2492	467	0.187
	To South	1067	826	226	79	175	130	38	11	20	9	2581	473	0.183
	Total	2052	1690	475	189	314	209	67	27	34	16	5073	940	0.185
D-2	To North	9630	3722	234	6	265	242	75	93	33	14	14314	557	0.039
	To South	9715	3726	230	33	282	189	49	102	25	10	14361	501	0.035
	Total	19345	7448	464	39	547	431	124	195	58	24	28675	1058	0.037
D-3	To North	4373	3220	476	247	702	766	65	37	2	18	9906	1554	0.157
	To South	4160	2674	510	199	758	684	36	18	2	16	9057	1429	0.158
	Total	8533	5894	986	446	1460	1450	101	55	4	34	18963	2983	0.157
D-4	To North	3100	1570	170	15	752	919	14	33	20	22	6615	1118	0.169
	To South	3292	875	154	25	800	508	24	23	16	5	5722	711	0.124
	Total	6392	2445	324	40	1552	1427	38	56	36	27	12337	1829	0.148
D-5	To North	1870	1527	379	136	675	540	93	45	44	16	5325	1148	0.216
	To South	1939	1728	391	109	680	498	39	41	93	20	5538	1037	0.187
	Total	3809	3255	770	245	1355	1038	132	86	137	36	10863	2185	0.201
D-6	To East	715	543	105	55	57	25	6	18	21	8	1553	191	0.123
	To West	679	614	130	45	73	38	5	19	42	19	1664	218	0.131
	Total	1394	1157	235	100	130	63	11	37	63	27	3217	409	0.127
D-7	To East	1114	527	128	26	28	23	7	15	39	9	1916	184	0.096
	To West	1287	622	134	15	79	50	5	7	65	9	2273	204	0.090
	Total	2401	1149	262	41	107	73	12	22	104	18	4189	388	0.093
D-8	To East	10366	3592	420	142	1726	961	73	95	4	18	17397	1596	0.092
	To West	7198	3750	500	87	1437	960	60	70	13	18	14093	1607	0.114
	Total	17564	7342	920	229	3163	1921	133	165	17	36	31490	3203	0.102
D-9	To East	7327	2146	139	6	201	74	24	56	6	8	9987	243	0.024
	To West	8145	3405	255	16	210	100	45	52	19	8	12255	416	0.034
	Total	15472	5551	394	22	411	174	69	108	25	16	22242	659	0.030
D-10	To East	3678	2294	282	51	381	670	58	37	41	8	7500	1061	0.141
	To West	3670	1945	282	38	265	537	41	32	62	6	6878	898	0.131
	Total	7348	4239	564	89	646	1207	99	69	103	14	14378	1959	0.136

Peak Hour Traffic Volume

No.	Direction	(1)Car	(2) LGV	(3)MGV	(4)HGV	(5)Min Bus	(6)Med Bus	(7)Hev Bus	(8)M/C	(9)Bicycle	(10)Others	Total	H.V.(3)+(4)+(6)+(7)	% of HV
P-1	To East	170	78	10	0	75	58	10	2	0	0	403	78	0.194
	To West	108	52	9	0	72	71	6	0	0	0	318	86	0.270
	Total	278	130	19	0	147	129	16	2	0	0	721	164	0.227
Expansion Factor 0.1538														
12 Hours	To East	1105	507	65	0	488	377	65	13	0	0	2620	507	0.194
	To West	702	338	59	0	468	462	39	0	0	0	2068	559	0.270
	Total	1808	845	124	0	956	839	104	13	0	0	4688	1066	0.227
P-2	To East	104	39	4	0	21	16	2	1	0	0	187	22	0.118
	To West	96	51	0	0	28	25	3	1	0	0	204	28	0.137
	Total	200	90	4	0	49	41	5	2	0	0	391	50	0.128
Expansion Factor 0.1														
12 Hours	To East	1040	390	40	0	210	160	20	10	0	0	1870	220	0.118
	To West	960	510	0	0	280	250	30	10	0	0	2040	280	0.137
	Total	2000	900	40	0	490	410	50	20	0	0	3910	500	0.128
P-3	To East	209	95	1	4	30	42	3	3	3	0	390	50	0.128
	To West	237	74	7	1	30	32	5	2	3	1	392	45	0.115
	Total	446	169	8	5	60	74	8	5	6	1	782	95	0.121
Expansion Factor 0.1738														
12 Hours	To East	1203	547	6	23	173	242	17	17	17	0	2244	288	0.128
	To West	1364	426	40	6	173	184	29	12	17	6	2255	259	0.115
	Total	2566	972	46	29	345	426	46	29	35	6	4499	547	0.121
P-4	To East	49	22	4	1	16	52	1	1	2	0	148	58	0.392
	To West	90	37	9	1	12	59	4	1	2	2	217	73	0.336
	Total	139	59	13	2	28	111	5	2	4	2	365	131	0.359
Expansion Factor 0.1														
12 Hours	To East	490	220	40	10	160	520	10	10	20	0	1480	580	0.392
	To West	900	370	90	10	120	590	40	10	20	20	2170	730	0.336
	Total	1390	590	130	20	280	1110	50	20	40	20	3650	1310	0.359
P-5	To North	329	119	13	3	25	17	1	3	3	3	516	34	0.066
	To South	306	150	8	1	69	51	2	2	0	1	590	62	0.105
	Total	635	269	21	4	94	68	3	5	3	4	1106	96	0.087
Expansion Factor 0.1														
12 Hours	To North	3290	1190	130	30	250	170	10	30	30	30	5160	340	0.066
	To South	3060	1500	80	10	690	510	20	20	0	10	5900	620	0.105
	Total	6350	2690	210	40	940	680	30	50	30	40	11060	960	0.087

資料C-4 : 参考資料リスト

- (1) Lusaka Urban Development Plan, 1975
- (2) Topographic Map with a scale of 1: 5,000
- (3) Pavement Design Guide, 1994, Roads Department, Ministry of Works and Supply
- (4) Standard Specifications for Roads and Bridges, Dec. 1973, Roads Department
- (5) Manual of the Highway Design Standards, Sep. 1985, Rads Department
- (6) Specifications for Civil Engineering Works, Engineering Services, Lusaka City Council
- (7) Bus Route Map
- (8) Location of Sewerage System
- (9) Drawing prepared by Electric Cable (Zambia Electricity Supply Corporation Ltd.)
 - Proposed reticulation for industrial plots between Kafue Rd and Los Angels Rd
Drawing No. P333 date 16-9-92
 - Index No. 27A/1/1, No. 27A/1/6, No. 27A/1/7, No. 27A/1/12, No. 27A/3/11, No. 27A/3/12,
No. 27A/3/21, No.A 4264/3/16
- (10) Drawing of Telephone Cable
 - Kusaka Main Duct Plan (5/6/89), PTC, Zambia
Woodlands exchange duct extension to CAB 19 & 20., Makeni exchange duct plan No. 07/87
Chinika exchange duct plan No. 10/86, Emmasdale exchange duct plan dev No. 03/87,
Roma duct dev. No. 14/86,
Inset (C8 Road junction by York Farm to C11 near bus shelter after XCBC)
- (11) Water main
- (12) Sewerage system in City
- (13) Proposed bus terminal plan
- (14) Geological Map of the Lusaka City (1/100,000)
- (15) Organization chart of Lusaka City Engineering Services Department

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