APPENDIX 8 TRANSPORT LEGISLATION, FINANCE AND OPERATION

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A8 TRANSPORT LEGISLATION, AND OPERATION

A8.1 MAJOR LAWS AND REGULATIONS RELATED TO THE TRANSPORT SECTOR IN CAMBODIA

Category	Name of the Laws and Regulations	Promulgated year	Objective	Institution/Organization established based on the Laws	Remarks
Urban Planning & Development	Law on the Country Planning, Urbanization and Construction (CNATUC LAW)	May 1994	To promote the Organization and embellishment of the urban and rural area throughout the country with the purpose of assuring the development of the country in the spirit of; 1) respecting both common and individual interests, private rights, observing laws and regulations, and overseeing on the construction matters, 2) assuring through the development process an equilibrium between the cites/towns and rural areas based on their geographical conditions and special characteristics; and 3) assuring the value of natural and cultural wealth, ensuring the development of the economic and tourist sectors and maintaining the quality of the environment.	- National Committee for Country Planning, Urbanization and Construction - Committee for Planning, Urbanization Construction (Municipality of Phnom Penh)	
Land Law	Land Law	1992	All the land in Cambodia belongs to the State and shall be governed and protected in agreement by the State. The State does not recognize the land property right existing before 1979. The property right and any other rights related to the land shall be governed by this law. (Art.1)		UNTAC
Land Acquisition Law	Land Acquisition Law	Under preparation	nc		
Construction Permit	Sub-Decree on Construction Permit		To serve as a site-specific control on new construction to ensure all future development meets appropriate standards.		
Traffic Law	Law on Overland Traffic	1991	To promote prestige and effectiveness in protecting traffic safety, maintaining public security and social order, protecting public property, lives and interests in legality of individuals and to educate people to love and obey the law to be against and prevent breach of traffic regulations.		New Law is under preparation. Table of Contents is attached as Appendix 8-2.
Motorcycle Registration Procedure	Order on the Price determination for Motorcycle certificate and Plate of Motorcycle	Jan. 2000	To determine and order the price of new motorcycles certificate, new plate and motorcycle's owner replacement		
Environment	Law on Environment Protection and Natural Resources Management (EPNRM)	1996	(See Chapter 9 Environmental Conditions)		

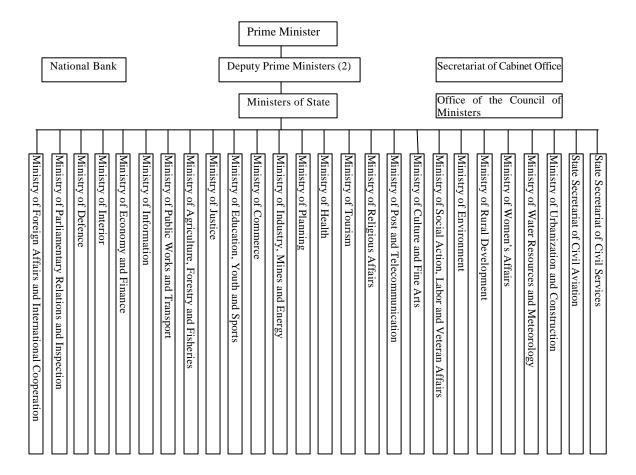
A8.2 DETAILS OF PENALTY PROVISION ON VIOLATION OF TRAFFIC REGULATION

From the stipulation of the Chapter 6, penalty provision on violation of traffic regulation is summarized as followings;

Who	Violation of traffic regulation	Liable for:	Art. No.
1) Driver	Causing accident	1) Penal code or if no one	46
2) Individual entity or		who orders, both the penal	
anyone who orders to		and civil code.	
the driver		2) Civil code	
Any person	Breaching the following articles:	Education or warning	47
Drivers of any kind of	Art. 5 (Right hand side traffic)		
vehicles	Art. 7 (Traffic of the pedestrian)		
Any Vehicle	Art. 9 (Those riding or leading animals)		
	Art. 11 (point 1: Traffic lines in the street) Art. 12 (Banned from driven neck and		
	neck)		
	Art. 15 (Length and gap for group of		
	vehicles in procession)		
	Art. 16 (Length and gap for Motorcycle		
	towing cart, animal-pulled cart)		
	Art. 23 (Vehicles and Commuters to stop		
	on their right and commence traffic of fire		
	trucks, ambulance, police cars and so on)		
	Art. 26 (Priority at the Ferry)		
	Art. 27 (Vehicle traffic crossing the rail		
	road)		
Any person	Contravenes the following articles:	Fine from 500 to 1,000 riel	48
Any driver	Art. 17 (User have to use road set by		
	Provincial People Committee)		
	Art. 18 (Narrow road, passing the another		
	car ahead, at slope, big light turned off at		
	night when vehicles meet each other, etc)		
	Art. 19 (Overtaking on the left, signal for		
	passing another, etc)		
	Art. 20 (Slowing down the speed at road		
	junction, small, narrow, dusty crowded		
	road, crossing bridge, etc)		
	Art. 21 (Speed limit)		
	Art. 22 (Priority for big road with sign)		
	Art. 24 (Priority for vehicle on the right, and vehicle at the roundabout)		
	Art. 25 (Close to and on the Bridge)		
	Art. 28 (Parking)		
	Art. 33 (Number plate and lights)		
	Art. 35 (width, length and load of the		
	vehicle, animal pulled cart, cyclo)		
Any person	Contravenes the following articles:	Fine from 1,001 to 1,500 riel	49
	Art. 11 (point 2: Signal lights, point 3:		
	Sign of traffic controllers)		
	Art. 13 (Chain-wheeled vehicles)		
	Art. 29 (Driver's license)		
	Art. 30 (Five kinds of driver's licenses)		
	Art. 32 (technical characteristics of motor		
	vehicles)		
	Art. 34 (Vehicles with trailers)		
	Art. 36 (Length of vehicles)		
	Art. 37 (Tires)		

Who	Violation of traffic regulation	Liable for:	Art. No.
Any person	Who drinks alcoholic or wine while driving In case of repeated offenses	1) Confiscation of driver's licenses for a term from 1 to 6 months and subject to fine from 1,501 to 12,000 riel 2) Permanent deprivation of driver's license and subject to a tripled fine.	50
1) Any person who let his pets wander for fodder 2) Parents who let their child/children under 6 years old loiter in the public roads	Causing traffic accident	Civil code	51
Any person who stores stuff or equipment	Which hinders the traffic and damaging the state property or others' property	Civil code	52
Any person	Violates Art. 14 (Vehicle which totally weighs over 20 tons)	Fine for 1 ton with 5,000 riel	53
Any person	Violates Art. 10 ()	Education and warning In case of repeated offenses, fine from 10,000 to 20,000 riel.	54
Any person	Use of unlicensed car, falsified car number plate, counterfeited driver's license, Car ID, etc.	A term of imprisonment from 1 to 3 years	55
Any person	Hurting other out of work	A term of one month to 1 year in prison	56
Any person	Causing other disable, some parts of the body hurt, physical disability, loss of limb or sense	From one to 3 years in prison	57
Any person	Drive under the confiscated driver's license or using of other driver's license	From one to 3 years in prison	58
Any driver who violates traffic regulation	Causing others harmful to health, lives and then escaped	Additional imprisonment from one month to one year	59
Any driver	Causes fatal accident to other intentionally	Imprisonment for 1 to 5 years	60

A8.3.1 Governmental Organizations Chart



A8.3.2 Major Governmental Organizations related to the urban transport sector

Name of the Organization	Fetablichod	Poles and Functions	Pomerks
	Year		
Council for the Development of	June 1995	(1) to be the "Etat Major" and the "One-stop Service" of the Royal	The Cambodian
Cambodia (CDC)		Government responsible for rehabilitation, development and	Rehabilitation and
		estment activities,	Development Board
		(2) to guide the preparation and the conception of development	(CRDB) and the
		frameworks and strategies for Cambodia in cooperation with the	Cambodian Investment
		relevant institutions	Board (CIB) are under the
		(3) to coordinate contributing countries, bilateral/multilateral	direct supervision of a
		organizations and NGOs in the National Programme to Rehabilitate	Secretary-General.
		and Develop Cambodia to ensure an efficient acceptance and	
		reallocation of external aid according to the needs and priorities of	The General-Secretariat of
		the nation,	CDC is also under the
		(4) to facilitate and coordinate inter-ministerial activities, as well as	direct supervision of the
		the activities of the ministries and institutions involved with donor	Secretary-General of CDC.
		countries, organizations and investors,	Four divisions, namely
		(5) to provide guidance in the utilization of public and private resources	Legal and Dispute
		in the development process of Cambodia,	Resolution, Finances and
		(6) to facilitate and streamline administrative procedures for donor	Administration, Personal
		countries and investors, and	Management, and Strategic
		(7) to review and decide all the matters pertaining to the rehabilitation	Planning, shall support the
		and development and other public sector investments through the	General-Secretariat.
		"one-stop service" mechanism of CDC.	
		The organizational structure is two Co-chairmen, the First Prime	
		Minister and the Second Prime Minister, and Vice-chairman, senior	
		minister in charge of Rehabilitation and Development, and eight	
Ministry of Economy and Finance	MEF	Ministry of Fronomy and Finance (MFF) is responsible for preparation	
		of the national budget. This includes estimating the total expected	
	MOP	government revenues for the coming year, establish budgetary priorities	
		and activities within the constraints imposed by available revenues and	
		borrowing limit including grants.	
		MEF will also play a key role in programming the Public Investment	

Name of the Organization	Established Year	Roles and Functions	Remarks
		Program with the Ministry of Planning (MOP) who is responsible for economic and social development and statistic practice of the country. In the process of selecting appropriate projects for capital investment, MEF works with line ministries and the MOP to prepare the annual investment budget.	
Ministry of Foreign Affairs and International Cooperation (MFAIC)		The agency responsible for foreign assistance. Any request for foreign assistance is first sent from a respective ministry to the Council for the Development of Cambodia (CDC). The CDC accordingly checks upon discussions with relevant agencies the conformity of the subject request to the national plan, and decides adoption/dismissal, and give priority for the adopted ones. When the request for the foreign assistance is approved, it is sent to the MFAIC.	
CNATUC (Comite National de l'Amenagement du Territoire, d'Urbanisme et de Construction = National Committee for Country Planning, Urbanization and Construction)	May 1994	It is created by "Law on the Country Planning, Urbanization and Construction (CNATUC Law) According to the sub-decree passed in June 1997, the president of CNATUC is the Minister in charge of State, Urbanization and Construction, and the vice president is the Minister of Interior or his/her representative. Permanent members are representatives of the MPWT, MOE, MAFF, MEF, co-ministers of Defense or their representatives, a delegate of the Municipality of Phnom Penh, the co-ministers representing the Council of Ministers, and other concerned Ministers as the President decides.	
Committee for Planning, Urbanization and Construction (CATUC)		It was particularly established for the capital city of Phnom Penh. This Committee is headed by the Chairman of the CNATUC and includes its members a Governor, Vice Governor and a relevant competent technical body. CATUC of the Municipality of Phnom Penh, though not yet organized in reality, is designated to draw up own development master plans for the reorganization and development of the municipality. CATUC is also responsible to establish land use master plans that clearly indicate the areas to be allocated for national defense, agriculture, commerce, industry, handicraft, culture, tourism, religion and administrative and public facilities. The land use master plan shall be firstly approved by CATUC for the municipality and subsequently by the CNATUC.	

A8.4 Public Investment Program for Transport Sector (1998 - 2003)

		Funding	Implement.	Implement.		Pro	gramme	d Investr	Iillion U nent	ΟΨ	Total projec
No.	Project Name	Agency	Agency	Period	1998	1999	2000	2001	2002	2003	Cost
	Asian Highway Phase I (NR1. Neak Luang - Boarder)	ADB	MPWT	1998-2003	4.0	8.0	16.8	13.7	5.0	0.3	52.
27		ADB	MPWT	1994-2000	0.0	2.5	2.5	13.7	5.0	0.5	18.
30		Australian Aid	MPWT	1994-2000	1.5	1.5	1.5	0.0	0.0		12.
35		Australiali Alu	MPWT		0.0	1.3	3.5	0.0	0.0		4.
3.	Provincial and Rural Infrastructure Project	Nego. with WB	MPWT	1996-2000 2002-2006	0.0	1.3	3.3	0.0	1.0	2.0	50.
5/	Phnom Penh Road Improvement	Nego. with wb	MPP	1999-2002	0.0	1.3	2.8	0.0	1.0	2.0	19.
	Rural Infrastructure Improvement	ADB	MRD	1998-2002	6.5	6.7	5.7	6.0	1.3	0.0	
222		ADB	MPWT	2000-2003	0.0	0.7	0.7	0.0	1.3	0.0	25. 8.
235			MPWT	2000-2002	0.0	0.0	0.4				3.
	Reconstruction RN 3		MPWT	2000-2001	0.0						2.
	Route No. 73 Rehabilitation	1DD	MPWT	1999-2000	0.0	1.5	3.6				5.
246		ADB	MPWT	1999-2003	0.0	0.5	2.5				37.
249		ADB	MPWT	1999-2000	0.0	0.6	0.6				1.
250		_	MPWT	1999-2000	0.0	0.8	2.3				3.
	Mekong Bridge at KompongCham	Japan	MPWT	1997-2003	13.7	11.1	19.9	11.1	1.3	0.0	56.
	Highway 1 project	World Bank	MPWT	2001-2006	0.0	3.0	3.4	6.7	11.0	11.5	39.
	Primary Road Network Improvement	ADB	MPWT	1999-2004	0.0	1.2	5.0	31.8	29.7	25.3	88.
290		Japan	MPWT	1997-2000	4.0	8.6	18.2				38.
297	Topographic Reh. & Main. of 411.5Km Rural Road	F/S required	MRD	2002-2005	0.0	0.9	3.0	0.0	2.0	2.0	9.
327	Provincial Towns Improvement Project	ADB	MPWT	2001-2006				4.8	1.8	1.8	5.
430	Rural roads maintenance programme 2,236.85Km	F/S required	MRD	2002-2005			0.0	0.0	1.0	1.5	18.
458	Rehabilitation NR 7K Cham-Thai Tutung	F/S required	MPWT	2002-2005			0.0	0.0	0.6	1.0	14.
459	Improvement of National Highsways NR 6	Japan	MPWT	2002-2005				2.5	10.0	0.0	8.
460	Reconstruction of Bridge No.NR 6A	Japan	MPWT	2001			0.0	4.8	0.0		4.
463	Bridge Construction NR 5	Discuss with Aust. AID	MPWT	2002-2005			0.0	0.0	0.9	1.2	10.
467	Rehabilitation of NR 5	F/S required	MPWT	2002-2005			0.0	0.0	0.0	0.0	29
472		1	MPWT	2002-2005			0.0	0.0	0.0	0.0	0.
	Emergency Repair & Maintain of NR & Provincial roads	F/S required	MPWT	2002-2005			0.0	0.0	1.5	1.7	20.
	Rehabilitation of Rural roads 433.1Km	F/S required	MRD	2002-2005				0.0	1.0	1.2	4.
	Small Repairs-National Road Network	National Budget	MPWT	2002-2005				0.0	1.0	1.0	4.
	Road Maintenance Capability	F/S required	MPWT	2002-2005				0.0	1.0	1.0	3.
660	* * *	ADB	MPWT	2001-2003				16.8	15.0	15.0	46.
662	-	TIDB	MRD	2001-2003				4.6	4.0	4.0	12.
002	Roads Sector Total		mu	2001 2003	29.7	49.3	93.3	102.8	89.0	70.5	656.
	Rodus Sector Total	-			29.1	49.3	93.3	102.0	07.0	70.5	030.
232	Thailand Rail-Link Restoration	Discuss. with Thailand	MPWT	2002-2005	0.0	0.0	0.0	0.0	2.0	2.0	22.
256	Rehabilitation of the southern railway line	F/S required	MPWT	2002-2005	0.0	2.1	3.4		1.4	2.9	29.
	Rehabilitation-Northern Railway Line	F/S required	MPWT	2002-2005				0.0	1.0	1.0	35.
	Rail Total				0.0	2.1	3.4	0.0	4.4	5.9	86.4
31	Upgrading Ferry Facilities	Danish IDA	MPWT	1995-1998	7.0	0.0	0.0				23.
293	Renovation of Sihanouk Ville Quay	Japan	MPWT	2001-2005				15.7	16.9	8.2	42.
	Regional Mekong GIS Data base for Cambodia	F/S required	MPWT	2002-2005				0.0	0.7	1.0	7.
	Dredging access of Mekong Channel & Island	F/S required	MPWT	2002-2005			0.0	0.0	0.0	1.0	4.
	Improvement Waterways Tounlesap Lake	F/S required	MPWT	2002-2005			0.0	0.0	0.1	1.0	11.
	Construction New Cargo Wharf	F/S required	MPWT	2002-2005				0.0	0.4	1.0	22.
638		175 required	1111111	2002 2003	7.0	0.0	0.0	15.7	18.0	12.1	110.
638	IPorts and Waterways Total				7.0	0.0	0.0	15.7	10.0	12.1	110.
638	Ports and Waterways Total										
638	Ports and Waterways Total Improve. Siem Reap Airport	ADB/National	SCA/CAA	1998-2002	1.1	4.6	4.8	5.4	5.1	0.0	17.
5	Improve. Siem Reap Airport	Budget			1.1	4.6					
5	Improve. Siem Reap Airport Mondulkiri Airport		SCA/CAA SCA/CAA				0.0	0.0	0.3	0.6	1.
5	Improve. Siem Reap Airport	Budget			1.1 1.1 37.8	4.6 4.6 55.9					18.5
420	Improve. Siem Reap Airport Mondulkiri Airport Aviation Total	Budget			1.1	4.6	0.0 4.8	0.0 5.4	0.3 5.4	0.6 0.6	17. 1. 18. 872.

A8.4 PRIVATE SECTOR PARTICIPATION

Existing Situation:

Huge and acute demands for rehabilitation and improvement of the transport infrastructure and operations are causing the government into increasing difficult situation for various transport projects implementation. Therefore, the Cambodian government has been vigorously promoting inducement of private sector participation to those projects within the framework of the macroeconomic development strategies.

As discussed in the following section, private sector operators run most of the passenger and cargo land transportations in accordance with the regulations set forth by the government. Also, most of the bus terminals within the Study Area are being developed by the private investors with operational management and control by the Transport Office, Department of Public Works and Transport of the Phnom Penh Municipality.

As for the transport infrastructure, there is a toll road running east-west direction to the south of Pochentong Airport, Phnom Penh. It was developed and operated by a private investor on a BOT (Build, Operate and Transfer) arrangement. Similarly, in the civil aviation sub-sector, runway, terminal and communications facilities of the Pochentong Airport have been improved and rehabilitated by a French company on the BOT arrangement, and this company operates the airport. Same BOT concession agreement has recently been applied to the French company on improvement and operation of the Siem Reap Airport.

In the railway sub-sector, the government has intention to invite private sector participation on a BOT arrangement on a 9.4 km section from Phnom Penh Station for possible commuter service operations. But the government does not work out the details of the arrangement.

Government Policy on Private Participation:

The principal development strategies for private sector participation to the transport sector set forth by the Socioeconomic Development Plan emphasize the private investment in transport infrastructure and operation be promoted and expedited to ensure adequacy of high quality standards and adherence to the operational regulations, management and procedures for convenience and safety of the users. In drawing up a financial package classification, the costs distributions for construction and operations as well as maintenance between public and private sectors shall be carefully taken into account.

A8.5 PUBLIC TRANSPORT OPERTATION

A8.5.1 CLASSIFICATION OF PUBLIC TRANSPORT OPERATIONS

The existing public transport services are catered for by many different modes of transport, namely; passenger road transport for inter-city by bus and multi-purpose vehicles, and for intra-city by taxi and para-transit services like motodop, motorumok and syclo. As for the inter-city cargo transport, track and trailer are playing predominant roles. Railway, civil aviation and inland waterway services are other modes of transport operating mainly for inter-city (aviation includes international services) transport of passengers and cargoes, but their shares are very small due to inferior infrastructure.

With regard to the road public transport by type of operators' entities, they can be classified as follows:

Inter-city Operators:

mode	usage	entity of operator
1) Bus	passenger	public corporation (for international route)
		private corporation & self-owned individual
2) Multi-purpose	passenger	private corporation & self-owned individual
3) Truck	cargo	private corporation

4) Railway passenger/cargo autonomous body (CFRC/CRA) 5) Aviation passenger/cargo autonomous body (CAA)

6) Waterway passenger/cargo private corporation & self-owned individual
7) Ferry passenger/cargo government direct operation for 4 main crossings private corporation and self-owned individual

Intra-city Operators:

1) Taxi(sedan type) passenger private corporation (mainly for airport/city service)
2) Multi-purpose Vehicles passenger private corporation or self-owned individual

3) Para-Transit

Motodop passenger self-owned individual
 Motorumok passenger/cargo self-owned individual

- Cyclo passenger self-owned individual (some rent vehicle)

A8.5.2 BUS OPERATION

Reviews on the business conditions of existing bus transport operations are made on the two (2) typical bus operators in order to grasp the current operational conditions and environments. They are two (2) entities engaging in regular bus transport services with the head office location in Phnom Penh. The first is an autonomous body, Phnom Penh Transport [Authority] (PPT), and the second is Ho Wah Genting Transport Co., Ltd. (HWG).

(1) Phnom Penh Transport [Authority] (PPT):

Entity:

The Phnom Penh Transport [Authority] (PPT) is a public corporation, administered by the Transport Office, Department of Public Works and Transport (DPWT), Municipality of Phnom Penh (MPP). PPT was originally started a direct non-stop international bus transport service in 1983 between Phnom Penh city (PHN) and Ho Chi Minh city (HCM) in Vietnam, under the supervision of the Land Transport Department, General Directorate of Transportation, Ministry of Public Works and Transport (MPWT), endorsed by a friendship treaty between the two countries. Later in 1993 after the general election, the operation of the PPT was transferred from the MPWT to the MPP. There is a committee composed of the senior officials of MPP for supervising the management and operation of PPT. The purposes of this operation are intended for the following:

- To maintain friendly relationship between the two counties,
- To raise available revenue to MPP, and
- To improve the level of service in higher operational frequency and bus fleet in better quality and larger size, after completion of the Asian Highway network

Organization:

PPT is organized by nine (9) staff, comprising 3 managerial staff (1 director, 1 deputy director and 1 chief accountant) and 6 employees of line functions (1 cashier, 3 drivers and 2 co-drivers). The director and the chief accountant are dispatched from the DPWT, MPP and the rest of 7 employees are hired on a contract basis, who may have a chance to be permanently employed depending on the productivity and performance factors. The PPT head office serving also as the PHN terminal, depot and ticketing office is located within the premise of the DPWT building, and is the property of MPP.

Fleet:

For this bilateral international bus transport service, PPT, as the Cambodian side, has one (1) bus with the capacity of 25 passengers. The bus together with some spare parts was given to PPT by MPP at time of the administrative transfer from the MPWT. The fuel for bus operation is also being provided by MPP, while the new spare parts are borrowed from the private sectors. The Vietnamese counterpart has one (1) bus of 15-passenger capacity.

Operations:

The international bus transport service started in April 2000 after operational suspension for several years. The operational frequency of PPT bus is once a week to depart PHN on every Wednesday bound for HCM on RN 1 and its extension in Vietnam for a length of 233 km with the traveling time of approximately eight (8) hours including the times required for ferry ride and clearance formalities at the border. The return from HCM to PHN is on every Saturday on the same route. The Vietnamese counterpart operates with the same frequency on the same departure dates with reverse direction to the PPT bus.

There is no bus stop for getting-on and getting-off of the passengers on this route, with exception of the regulatory stop at the customs and immigration offices at the territorial border. For crossing the border, PPT is given permission by the Ministry of Interior to enter into and return from Vietnam, based on the treaty between the two (2) countries. The PPT drivers should carry with them each time the letter of permission authorizing the border crossing. For crossing the Mekong River at Neak Loeang, the bus uses the ferry service paying the regular fare.

Fare:

The one-way bus fare is set for US \$20.00, but the fare normally discounted for group and poor passengers within a range of approximately 10 %. This discount arrangement seems to maintain competitive position of PPT to the private tour operator whose fare is about US \$16.00. The actual difference of the fare being about US \$2.00 can be forfeited by the advantage of PPT bus which can drive through the border, while the bus of the private tour operators can operate from PHN up to the border where the passengers should change to a Vietnamese bus after walking through the customs and immigration clearances.

This private tour operator is called Kapitol, organizing tours with twice a day departures to Vietnam including hotel accommodation, meals and transportation. It is one of the affiliated companies of Kapitol Group dealing with hotel and packaging tools manufacturing businesses. PPT is investigating on the possibility to organize similar package tours, in particular, historical and cultural tours by improving the quality of service with new and high-grade bus, but seems not possible for the time being due to shortage of investment fund for such improvement.

Passengers and Seat Factor:

The number of passengers on the PPT buses ranges from 7 to 12 persons (seat factor: 28 to 48 %), depending on the traffic demands on seasonal fluctuation for this service. In addition to the transport of normal passengers, as one of the functions of PPT the buses sometimes carry emergency patients and their attendants requiring urgent international transport between the two cities.

Future Plan:

For the purposes of raising investment fund for operational improvement aiming at soliciting more passengers by high quality buses and introduction of the package tours, PPT is looking for private sector investors with whom PPT will establish a joint venture, and extend the service routes, possibly covering the intra-urban areas. But so far this idea has no substantial foundation.

(2) Ho Wah Genting Transport Co., Ltd. (HWG)

Entity:

This bus operator is a Malaysia-based private company, one of the affiliates of the Ho Wah Genting Group, with the core companies dealing with bus assembly and resort development businesses in Malaysia and Indonesia. The company started the intra-city and inter-city bus transport operations in December 1996 based on the exclusive agreements for a period of 25 years, with the Transport Office, DPWT, MTT for intra-city service, and with the Land Transport Department, General Directorate of Transport, MPWT for inter-city service. Regarding the intra-city bus service, the company stopped the entire operations of four (4) routes after 3 months from December 1996 due to huge operational loss.

Organization:

The head office and the main terminal of the HWG is located at the southwestern quadrant of the Central Market in PHN, and led by a managing director. There are three (3) organizational units under him, namely, operations, maintenance, and administration. The marketing activity is supervised by the managing director with the staff of administration unit. The operations unit includes 65 drivers on one-month employment contract basis, conductors and inspectors.

Fleet:

The bus fleet of the HWG consists of 45 air-conditioned buses (10 x 45 passenger capacity, 20 x 25 p.c. and 15 x less 25 p.c.). Those buses of 25 passenger capacity and the less are normally being used for the short distance services, while the buses with larger capacity are used for long haul services.

Operations and Fares:

As described earlier, HWG operated the intra-city bus service for only 3 months from December 1996 and February 1997. This service had been made for 2 circular and 2 radial routes from 6 a.m. to 6 p.m. in Phnom Penh with 8 air-conditioned buses of 35-passenger capacity. The reason for this operational suspension was that HWG could not yield expected operational performance in terms of number of passengers (240 passengers per bus/day) and in traveling speed. In other words, this intra-city bus service could not compete with the so densely dominated and widely prevailed motodop services, which had been catering for door-to-door transport.

Since December 1996 HWG has been operating the inter-city regular services with the main terminal at the Central Market in PHN, catering for the following 10 destinations and returns there from with indication of distances and one-way fares as per Table A8.5-1:

	Table As.J-1	. Inter-City Regular	bus Transport O	peranon
	Destination	Frequency / day	Distance in km	Fare in Riels
1)	Sihanouk Ville	5 departures	230	R. 10,000
2)	Kompong Cham	8 departures	124	R. 5,000
3)	Kompong Chhnang	9 departures	91	R. 4,500
4)	Takeo	9 departures	87	R. 4,500
5)	Neak Loeang	10 departures	60	R. 4,000
6)	Kompong Speu	9 departures	48	R. 4,500
7)	Ou Dong	17 departures	37	R. 2,500
8)	Ro Ka Kaung	23 departures	40	R. 3,000
9)	Timber Factory RN1	25 departures	24	R. 2,000
10)	Takmau	51 departures	15	R. 1,200

Table A8.5-1: Inter-City Regular Bus Transport Operation

Passengers:

According to the managing director of the company, the average number of passengers in total of 10 destinations on the round trip basis ranges 5,000 to 6,000 persons per day, and in the peak season it increases to approximately 7,000 to 8,000 passengers.

It is to be mentioned that the same company started intra-city bus transport operation with 8 air-conditioned buses with the capacity of 35 passengers at the same time with inter-city services, with 2 circular and 2 radial routes from 6 a.m. to 6 p.m. in Phnom Penh. But, it stopped the services in three months due to the fact that it could not secure expected operational performance in terms of number of passengers (240 passengers per bus/day) and in traveling speed. In other words, this intra-city bus service could not compete with the so widely prevailed motodop services.

(3) Other Bus Operators:

Regarding the intra-urban public bus transport services, there is no such service at present either by public or private sector as discussed earlier. However, in 1994 there was a public corporation called Phnom Penh State Enterprise, which was catering the intra-city bus services on the following two (2)

routes with 20 buses.

	Route	Distance	Fare in	n Riel (US \$)
1)	Central Market - Chbar	Ampauv Market	7 km	300	(\$0.12)
2)	Central Market – Takma	ao Terminal	12 km	700	(\$0.28)

The operation of these services was suspended in 1996, due to heavy loss incurred on these two routes.

Apart from the regular bus services, there are many small private companies and self-owned individuals that are operating on-demand type inter-city passenger services to and from Phnom Penh with many more destinations than the regular services by HWG, such as Skun, Kompong Thom, Siem Reap, Pursat and Battambang. There are ten (10) inter-city bus terminals located at the main markets of the city and along the national roads at: Central Market (the largest of all), Olympic Market, Dang Kao Market, Chbar Ampauv Market (RN1), Orussey Market (under construction), Chak Angrae Leu (RN2), Chaom Chau (RN3 & 4), Chrang Chamreh Pir (RN5) and Preaek Lieb (RN6), in addition to the international bus terminal at Traffic Office, DPWT, MPP. The vehicles they are using can be classified as the multi-purpose cars or taxis converted from pick-up, wagon or small truck. Their normal capacity ranging from 7 to 15 persons, but these vehicles are actually accommodating far more than 20 passengers and stop at any place where they can catch passengers on the way to destinations. To the same destinations, their fares are normally much lower than those of the regular services.

A8.5.3 REVIEWS ON FINANCIAL ASPECTS OF THE BUS OPERATORS

Referring to the bus transport operations of the two (2) operators as discussed in Section A8.5-2, the identification and review of their financial status have been attempted in terms of revenue and operational expenditure, as an input datum to the preliminary cost estimate. The basic data and information for this purpose are limited to minimum availability, and therefore, several assumptions have been applied for revenue and expenditure calculations.

(1) Phnom Penh Transport (PPT): International Route

PPT re-started the international bus transport service between Phnom Penh and Ho Chi Minh in Vietnam in April 2000, but due to the deteriorated road conditions on this route caused by the flooding in September PPT suspended the service in October 2000.

The statement on revenues and expenses of this operation for the period of 6 months from April to September 2000 is shown in Table A8.5-2

Expenses No. Month Nos. of Trir Balance Remarks Operation 503 286 April 463 189 749 33 390 -9 46 une 46 40 644 470 100 92 2.717

Table A8.5-2: PPT Revenue & Expenses for 6 Months in 2000

Source: Transport Office. DPWT. MPP

Note: Detais of Expenses: (Salary is not included, see Note 4), and fare varies by discount for poor and group)

- 1) Operational Expenses: Round trip fuels, Ferry fares, Customs documents cost,
- Accommodation charge of drivers (4 days per trip).

 2) Maintenance Expenses: Charged oil. Repair cost
- 3) Others: Visa documents cost, Office materials
- 4) According to the sub-decree, starting from April 2000 during 6-month trial period, the salaries of the PPT will be paid by the government (MPP), and after that period PPT is responsible for salary payment.

This statement shows that the sole revenue source of PPT is bus fare and the operational revenue for 6-month period is US \$2,717, while the total operational expense for the same period accrues US

\$3,125, incurring the loss of US \$408. It is to be mentioned that at time of starting the bus service, all the necessary costs for the initial investment were given by MPP, namely; the bus and spare parts, the office and terminal land spaces and buildings including depot, in addition to the salaries of the PPT staff. Therefore, the review on just the operation, the expense does not include the wages, depreciation and interest.

In addition to above, due to the flooding in the month of September there is no passenger on this route. Therefore, for analytical purpose the estimations of the total revenues and expenses, and those of per-trip are attempted for 5-month period between April and August 2000. For this calculation, the salaries paid by MPP to the PPT staff are added to the operational expenses. The results of the estimations are shown in Tables A8.5-3 and A8.5-4.

The estimation as per Table A8.5-3 shows that the total revenue and expense for 5month period including salaries of 9 PPT staff are US \$2,717 and US \$3,579 respectively, incurring the loss of US \$862. As to the compositions of revenue and expenses, when setting the revised total expense being 100, breakdowns of expenses for operation, maintenance, others and salaries are calculated to be 58.7%, 13.0%, 10.4% and 17.9 % respectively, while the revenue accounted for 75.9 %, indicating 24.1 % of the total expense to be the operational loss. When the compositional base is set on the revenue being 100, the rate of loss is calculated to be 31.7 %.

Table A8.5-3: Estimate of PPT Revenues & Expenses for 5 Months in 2000

[Unit: US \$]

											[Unit.	. ԾՖ ֆ]
No.	Month	Nos. of Trip	Revenue		Expe	enses		Salary	Revised	Balance	Balance	Remarks
NO.	Wolth	Nos. of Trip	Revenue	Operation	Maint.	Others	Total	Salary	Expenses	original	Revised	Kemarks
1	April	5	463	503	57	189	749	128	877	-286	-414	
2	May	4	338	390	0	39	429	128	557	-91	-219	
3	June	4	466	371	49	47	467	128	595	-1	-129	
4	July	5	644	470	100	56	626	128	754	18	-110	
5	August	4	806	366	259	43	668	128	796	138	10	
	Total	22	2,717	2,100	465	374	2,939	640	3,579	-222	-862	
	Share-1 (%)	75.9	58.7	13.0	10.4	82.1	17.9	100.0	-6.2	-24.1	
	Share-2 (%)	100.0	77.3	17.1	13.8	108.2	23.6	131.7	-8.2	-31.7	

Source: JICA Study Team, Jan. 2001 Note; Salary Table as per Appendix 6.1

Table A8.5.4: Estimate of PPT Per-Trip Revenues & Expenses for 5 Months in 2000

[Unit: US \$1

												TUNIT:	02.21
No.	Month	Nos. of Trip	Revenue	Av. nos. o	f pax/trip	Av. Nos of	pax/month		E	xpenses/trip			Balance
INO.	WOTTETT	NOS. OF THE	per trip	Unit \$18	Unit \$20	Fare \$18	Fare \$20	Total	Oper.	Maint.	Others	Salary	per trip
1	April	5	92.6	5.1	4.6	25.7	23.2	175.4	100.6	11.4	37.8	25.6	-82.8
2	May	4	84.5	4.7	4.2	18.8	16.9	139.3	97.5	0.0	9.8	32.0	-54.8
3	June	4	116.5	6.5	5.8	25.9	23.3	148.8	92.8	12.3	11.8	32.0	-32.3
4	July	5	128.8	7.2	6.4	35.8	32.2	150.8	94.0	20.0	11.2	25.6	-22.0
5	August	4	201.5	11.2	10.1	44.8	40.3	199.0	91.5	64.8	10.8	32.0	2.5
	Total	22	123.5	6.9	6.2	30.2	27.2	162.7	95.5	21.1	17.0	29.1	-39.2
Sh	are-1 (%)		75.9					100.0	58.7	13.0	10.4	17.9	-24.1
Sh	are-2 (%)		100.0					131 7	77.3	17 1	13.8	23.6	-317

Source: JICA Study Team, Jan. 2001

The similar estimation on the "Per-Trip Operational Revenue and Expense" in Table A8.5-4 shows that on the same 5-month period the revenue accounts for US \$123.50, while the expense stands for US \$162.70, incurring the loss of US \$29.10 per trip. Also, since the bus fare varies depending on the income level of the passenger and whether the passenger(s) is(are) individuals or group basis, average numbers of passengers are calculated by the variation of average fares, which result in the average number of 6.9 passengers per trip in case of the average fare being US \$18.00, and 6.2 passengers if the average fare being US \$19.00.

Based on above estimations and calculations, estimate of the break-even fare of this international bus transport service has been attempted with an assumption that the average number of passengers being

Table A8.5-5: Break-Even Estimates of PPT Revenues & Expenses for 5 Months in 2000 (with estimations of revenue and expenses according to variations of number of passengers per trip and bus fares)

No.	Month	Nos. of Trip	Nos of pax	Nos of Pax	Revenue		Expenses				Balance	Remarks	
			per trip	per month	per month	Operation	Operation Maint. Others S		Salary	Total			
1	April	5	9	45	810	480	110	85	128	803	7		
2	May	4	9	36	648	384	88	68	128	668	-20		
3	June	4	9	36	648	384	88	68	128	668	-20		
4	July	5	9	45	810	480	110	85	128	803	7		
5	August	4	9	36	648	384	88	68	128	668	-20		
	Total	22	45	198	3,564	2,112	484	374	765	3,735	-171		
(1)	Nos. of pax	22	{9.5] pax	209	3,762	2,112	484	379	765	3,740	22	no. of pax.=9.5/trip	
(2)	Nos. of pax	22	[10] pax.	220	3,960	2,112	484	384	765	3,745	215	no. of pax.=10/trip	
(3)) Fare Rate	22	45	198	3,762	2,112	484	374	765	3,735	27	fare=19.0	
(4) F	are & pax no.	22	[10] pax.	220	4,180	2,112	484	384	765	3,745	435	fare=19.0, pax=10	

Source: JICA Study Team, Jan. 2001

a new tain and the amounts of demociation and interest hairs 10.0% of the total and

10 persons per trip and the amounts of depreciation and interest being 10 % of the total operational expense. The result of the estimate has been calculated to be US \$0.08 per km or US \$0.41 per 5 km, as shown in Table A8.5-5

It is to be pointed out that these break-even fares are just analytical purposes. For practical performance of the bus operations, PPT and any other bus operators have to face very severe competition not only among the bus operators but also with the different transport modes. Therefore, as to the intra-urban bus transport services every effort shall be taken to increase the revenue and to reduce the operational expenses so that the operation shall be on a sound and steady financial standing. As one of the means to increase the operational revenue other than from fares, introduction of the advertisement on outside and inside of the bus and on the bus stops, and the special development charges to the bus terminal developers can be considered. As to the expense reduction, very precise planning to reduce the initial investment costs is the pre-requisites and improvement of operational management shall be implemented so that the bus operation shall be run with the minimum staffing (reduction of fixed expense), while maintaining the service quality. These measures are very hard to accomplish but are worth challenging.

(2) Ho Wah Genting Transport Co., Ltd. (HWG): Intercity Route

According to the managing director of this private company, the total operational expenditure amounts to about US \$80,000 in which employees' salaries and drivers' wages account for about US \$30,000. In addition to the total operational expenditure, it is said that about 15 % of this amount is necessary to continue the inter-city bus service. The numbers of passengers on the total of 10 routes are approximately 5,000 to 6,000 persons in the normal season (7 months), and 7,000 to 8,000 persons in the peak season (5 months).

Judging from above information, estimation of the monthly operational revenue and average fare for the inter-city bus transport service of the company is attempted. As shown in Table A8.5-6, it is calculated that the weighted average one-way fare of 10 destinations is Riel 2,860 or US \$0.714, and in the normal season average monthly revenue is calculated to be approximately US \$118,000 and in the peak season it comes up to US \$161,000.

According to this table, weighted average numbers of passengers per trip are calculated to be 16.6 persons in the normal season and 22.6 persons in peak season. Taking into account the seasonal fluctuation, the average monthly revenue comes to approximately US \$135,700. As to the operational expenditure, it is estimated to be approximately US \$92,000 and the total expenses is to be

Note: (1) Case 1= Estimation by the number of passengers per tirp being 9.5 persons

⁽²⁾ Case 2= Estimation by the number of passengers per trip being 10 persons.

⁽³⁾ Case 3= Estimation by the average bus fare being US \$19.00

⁽⁴⁾ Case 4= Estimation by the number of passengers per trip being 10 persons & average bus fare of US \$19.00.

Referring to Appendix 6.2, Bus Service City Comparison by World Bank Survey, average ratio of depreciation and interest of the bus operators

is estimated to be approximately 10 % of the total operational expense. In consideration of the depreciation and interest, the Break-Even fare is estimated to be approximately US \$0.082/km or US \$0.41/5 km with the average number of passenger per trip being 10 persons.

US\$101,200 taking account the depreciation and interest being about 10 % of the operational expenses. Based on these figures, the profit of the company is calculated to be about US \$34,390 per month or about 25.4 % of the operational revenue, as shown in Table A8.5-7.

Table A8.5-6.: Monthly Revenue and Average Fare Calculation

No	D (1) (1)	Distance	Departure	Trip	Total	Fare	Fare Total	Normal Season	Peak Season
No	Destination	km	per day	RT	oneway	one-way	per pax	persons/day	persons/day
1	Sihanoukville	230	5	2	10	10,000	100,000	166	226
2	Kompong Cham	124	8	2	16	5,000	80,000	265	361
3	Kompong Chhang	91	9	2	18	4,500	81,000	298	407
4	Takeo	87	9	2	18	4,500	81,000	298	407
5	Neak Loeung	60	10	2	20	4,000	80,000	331	452
6	Kompong Speu	48	9	2	18	4,500	81,000	298	407
7	Ou Dong	38	17	2	34	2,500	85,000	563	768
8	Ro Ka Kaung	40	23	2	46	3,000	138,000	762	1,039
9	Timber Factory RN1	24	25	2	50	2,000	100,000	828	1,130
10	Takmau	15	51	2	102	1,200	122,400	1,690	2,304
	Total	757	166		332		948,400	5,500	7,500
	Average Fare (Riel)						2,857		
	Average Fare (US\$)						0.714		
	Monthly operating days						30		
	Average no. of passenger/bus							16.57	22.59
	Average Revenue/month(US\$)							117,836	160,685

Source: Ho Wah Genting Transport Co., Ltd. Dec. 2000

Table A8.5-7: Estimated Revenue and Expenses of HWG's Inter-city Bus Operations

> Source: Ho Wah Genting Transport Co., Ltd., Dec. 2000 Note: Estimation by JICA Study Team, Jan. 2001

The bus fare structures of the 10 routes are also reviewed, as shown in Table A8.5-8. The fare rates per km range from the highest 94 Riels or US \$0.0234 on the Kompon Speu route with the distance of 48 km to 83 Riels or US \$0.021 on the Timber Factory route on RN 1 and the lowest rate of 40 Riels or US \$0.01 on the Kompon Cham route. The fluctuation of the fare rates is also shown in Figure A8.5-1.

It is to be noted that with exception of the rate on the Kompong Speu route with the distance of 48 km, the rates have the tendency of decreasing with increasing of distances.

With regard to the break-even fare based on the operational performance of HWG, it is calculated that the overall average fare of the 10 routes would be 2,130 Riels or US \$0.532 and those of the 10 routes are shown on the Break-even fare rate columns of Table A8.5-8.

Since the information on the details of the initial investment costs, depreciation and interest is not available, these considerations are not included in above estimates. Because of the reason that its parent company having their plants in Malaysia and Indonesia engages in bus manufacturing business, it seems for this company to have quite an advantage for procurement or leasing of the bus fleet at the times of initial investment or for expansion of operations. Also, it is not clear whether the operational expenditure would include depreciation of the facilities (terminal office, garage, ticketing booths, etc.) and vehicles or not. Therefore, it may be too early to determine the profitability of the company, but there may be a chance for private investors to enter into inter-city bus operation business as competitors.

With regard to the break-even fare based on the operational performance of HWG, it is calculated that

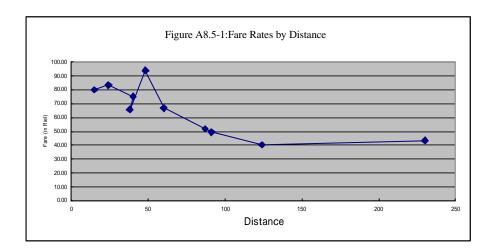
the overall average fare of the 10 routes would be 2,130 Riels or US \$0.532 and those of the 10 routes are shown on the Break-even fare rate columns of Table A8.5-8.

Table A8.5-8: Average Bus Fares & Estimated Break-Even Fare Rates

											Breakeven f	are(oneway)	
No	Destination	Distance	Departure	Trip	Total	Fare	Total Dist.	Fare	rate	One	-way	Fare	rate
NO	Destiliation	km	per day	RT	oneway	one-way	km/day	Riel/km	US \$/km	Riel	US \$	Riel/km	US \$/km
1	Sihanoukville	230	5	2	10	10,000	2,300	43.48	0.0109	7,460	1.865	32.43	0.008
2	Kompong Cham	124	8	2	16	5,000	1,984	40.32	0.0101	3,730	0.933	30.08	0.008
3	Kompong Chhang	91	9	2	18	4,500	1,638	49.45	0.0124	3,357	0.839	36.89	0.009
4	Takeo	87	9	2	18	4,500	1,566	51.72	0.0129	3,357	0.839	38.59	0.010
5	Neak Loeung	60	10	2	20	4,000	1,200	66.67	0.0167	2,984	0.746	49.73	0.012
6	Kompong Speu	48	9	2	18	4,500	864	93.75	0.0234	3,357	0.839	69.94	0.017
7	Ou Dong	38	17	2	34	2,500	1,292	65.79	0.0164	1,865	0.466	49.08	0.012
8	Ro Ka Kaung	40	23	2	46	3,000	1,840	75.00	0.0188	2,238	0.560	55.95	0.014
9	Timber Factory RN1	24	25	2	50	2,000	1,200	83.33	0.0208	1,492	0.373	62.17	0.016
10	Takmau	15	51	2	102	1,200	1,530	80.00	0.0200	895	0.224	59.68	0.015
	Total	757	166		332		251,324						

Source: Ho Wah Genting Transport Co., Ltd.

Note: 1) Estimation by JICA Study Team, Jan. 2001
2) Conversion rate: US \$1.00=Riel 4,000



A8.5.4 TAXI OPERATION

It is to be pointed out that definition of taxi in Cambodia shall be interpreted as the normal sedan type taxi and the multi-purpose vehicles converted from pick-up, wagon, or small truck. It is to be understood that taxi means those vehicles that go to any destinations as passengers' requests.

According to the Transport Office, DPWT, MPP there are 87 sedan type taxis in the municipality, mainly for arrival passenger transport services at the Pochentong Airport to their destinations (mainly to hotels in the city). These taxis are distinctive with the yellow stripes with indication of 5 digit taxi numbers and roof signs. Their services are controlled and confined to the service areas within the metropolitan premise. Also, approximately 20 to 30 taxis of same type are rendering intra-city transport services to the passengers who come to Dang Koa Market, which is one of the inter-city bus terminals.

As discussed in the preceding section, most of the multi-purpose vehicles called taxis are rendering inter-city transport services, and some of them are observed to cater intra-city commuting services when there are such needs arise violating the prevailing municipal traffic regulations. The total number of these taxis coming in to and going out of 10 bus terminals are counted for about 1200 vehicles.

A8.5.5 PARA-TRANSIT OPERATION

In this Study Para Transit is interpreted as on-demand type door-to-door intra-city transport services catered by three types of vehicles, so-called "Motodop", "Motorumok" and "Cyclo". Most of the

operators of these vehicles are self-owned individuals with exception of some of the Cyclos where the drivers should rent them from the owner of several Cyclos.

Motodop

The vehicle of Motodop is a motorcycle with a back seat extended to about 55 cm in length for accommodating as many as 3 passengers. It is supposed to get 1 or 2 passengers, but in many occasions it is accommodating 4 passengers (3 in the back seat and 1 in front). The fares range from Riel 500 for the minimum up to around Riel 2,000 for a distance of 3 km.

Motodop is considered to come into the intra-city transit services just meeting the demands of the consumers for very handy, convenient, and economical means of transport mode. Most of the Cambodian people prefer to choose motodop for their transit services not only in the metropolitan areas but also everywhere in the country. The number of motodop is said to be more than 10,000 vehicles in the municipal areas and its share among the intra-city transport services is dominating and overwhelmingly high, so that for a time being it seems to be very difficult to introduce intra-city bus services without certain traffic restriction of motodop on the primary arteries in the city.

Motorumok

Motorumok is an articulated motorcycle with a 2-wheel cart attached behind, for catering passenger and light cargo transport services between the markets/bus terminals located along the national roads on RNs 1, 2, 3 &4, 5 and the houses in the suburban areas. The number of motorumok is estimated to be about 230 vehicles, and is usually accommodating 10 to 15 passengers per vehicle (normal capacity is 7 persons), but in some of the cases they squeeze up nearly 30 passengers.

Most of the passengers on motorumok are carrying light cargoes of agricultural products to the markets, goods purchased at the markets. Also, students are using motorumok for commuting services. It is observed that many motorumoks are predominant means of suburban transport at Chbar Ampauv Market on RN1, but at Preaek Lieb Market on RN6 these motorumok are rarely found. The fares range from Riel 500 to Riel 1,500.

Cyclo

Cyclo is a three-wheel man-powered slow moving vehicle, for catering passenger and light cargo transport services within the urbanized areas in the municipality. It gives a on-demand type services on the urban streets like normal taxi services found in many of the cities in the world, but its slow travel speed and sporadic maneuvering on the urban streets are quite hazardous to the traffic flows. The fares range from Riel 1,500 to around Riel 4,000.

It is observed that the operation of these para-transit vehicles are not only quite a hazards to the traffic flows on the roads causing heavy congestions at many of the road sections and intersections, but also endangering safety of the passengers and drivers themselves. But since their services are very extensively and deeply popularized in the daily needs of the customers, gradual traffic control and restriction are suggested to streamline the traffic flows on the main urban arteries and for introduction of intra-city bus transport services.

A8.5.6 RAILWAY OPERATION

The national railway is operated by the Chemins de Fer Royaux du Cambodge (CFRC), is in the process of corporatization to be a national operating entity. It is also planned that a Cambodian Railway Authority is to be established by enactment of a law to be the regulator of the railway. CFRC has a total of 14 diesel locomotives, 2 steam engines and 7 shunting locomotives, which are out of use. Regarding passenger transport, there are 2 railcars of German origin, 11 passenger trailers and 22 coaches in use, which requires either replacement or possible repaired. For cargo transport there are 91 wagons in use of 10 tons capacity, some 5-wheel wagons for salt transport and 26 gondola wagons of 20 tons capacity for ballast, bitumen and wood transport. The numbers of employees are shown in Table A8.5-9, indicating 1951 persons in 1995 and 1822 persons in 1999 showing gradual decrease.

CFRC is currently operating passenger and cargo transport services on two lines. The first is the Northern or Old Line constructed from 1929 to 1942, which runs from Phnom Penh for 385 km to the Thai border at Poy Pet. This line suffered from damages during the conflict period on a 15 km section between Poy Pet and Aranyaprathet at Thai border. The line has never been renewed and the track conditions are very poor causing quite a reduction of running speed. The operational frequency of passenger trains is normally 3 times a week, and of cargoes it is irregular depending on the availability of economic volumes for formation of cargo train operations.

	Table A8.5-9: Number of Employees											
No.	Department/Railway District	1995	1996	1997	1998	1999						
A	Administrative Service	310	305	304	304	300						
В	Telecommunication & Exploitation Service	246	239	235	226	224						
C	Bridges and Tracks Service	434	414	404	296	390						
D	Rolling Stock Service	433	410	398	390	389						
E	Kampot District	113	109	109	109	73						
F	Sihanoukville District	77	73	73	73	149						
G	Pursat District	184	179	174	157	157						
Н	Battambang Distrcit	154	149	145	140	140						
	Total	1,951	1,878	1,842	1,695	1,822						
	Male	1,739	1,668	1,632	1,485	1,612						
	Female	212	210	210	210	210						

Source: CFRC

The operational records of the passengers and cargoes on the Northern Line for the years 1993-1999 are shown in Table A8.5-10.

		Table	A8.5-10: Raily	vay Traffic Vol	ume Records 1	993-99		
Transport	Unit	1993	1994	1995	1996	1997	1998	1999
Northern	n Line							
Carda	tons	114,200	48,200	33,290	50,180	102,334	208,010	189,268
Goods	T km	30,100,000	11,400,000	5,306,700	6,303,300	24,620,469	65,109,238	60,284,421
D	persons	611,000	294,000	236,200	200,000	383,175	319,539	301,940
Passengers	P km	58,000,000	18,300,000	17,398,600	14,500,000	34,683,806	3,321,789	38,215,010
T	tons	12,000	7,600	7,200	12,500	10,996	6,540	3,473
Luggages	T km	1,700,000	810,000	693,200	1,365,000	1,225,204	765,157	510,427
Southern	n Line							
C 1 -	tons	15,600	12,000	16,500	25,807	67,149	86,441	80,272
Goods	T km	3,900,000	2,700,000	2,490,900	3,396,500	11,471,190	10,675,772	17,101,116
Daggangang	persons	270,000	220,000	287,500	396,000	147,084	118,065	127,171
Passengers	P km	22,300,000	20,300,000	21,045,000	26,752,500	18,452,057	10,645,000	11,994,224
T	tons	1,800	4,600	5,900	5,400	4,265	1,836	669
Luggages	T km	170,000	550,000	588,700	590,300	599,322	202,782	626,753

Source: CFRC

Note: 1) Northern Line= Phnom Penh - Battanbang - Sisophon

2) Souther Line = Phnom Penh - Sihanoukville

The records reveal that the number of passengers transported on this line fluctuates in the range from 200,000 to 383,000 persons with exception of the year 1993 and does not show increasing trend, while in terms of passenger-kilometers it shows remarkable increase from 18.3 million P km in 1994 to 38.2 P km. As for the cargoes, the tonnages carried also fluctuate between 100,000 and 210,000 tons, and also in terms of ton-kilometers it also show ups and downs in the range from 11.4 million T km to 65.1 T km and does not show steady increase.

The second is the Southern or New Line constructed from 1960 to 1969, which runs from Phnom Penh for 236 km to Sihanouk Ville. This line also suffered from inferior formation on the wooden sleepers and poor embankment that often cause offloading even in the dry season. The line has never been neglected its maintenance for security reasons during and after the internal conflict and barely keeping its operations thereafter. The operational frequency of passenger trains is normally 3 times a week, and of cargoes it is depending on the demand of the cargo customers. The operational records of the passengers and cargoes on the Southern Line for the years 1993-1999 are also shown in Table A8.5-10. The records show that the number of passengers transported on this line fluctuates in the range from

118,000 to 395,000 persons in a decreasing trend in recent years, and this trend is similar in terms of passenger-kilometers in the range from 10.6 million P km to 26.8 million P km. This fact reveals that the rail passenger transport cannot compete the road transport by buses. On the other hand, the cargo tonnages and ton-kilometers have remarkably increased from 12,000 tons and 2.7 T km to 80,300 tons and 17.1 million T km in 1999 due to increased trade activities.

Table A8.5.11 summarizes the financial operational performance of the CFRC for the period of 6 years from 1993 to 1998, which shows continuous deficit ranging from 15 to 47 % of the revenues.

-													
	Table A8.5-11: Operating Revenues & Expenses												
Item	1993	1994	1995	1996	1997	1998							
Revenues	2,580,046	4,614,074	4,594,948	4,326,561	3,968,951	5,820,358							
Expenses	3,047,746	5,363,648	5,306,583	5,683,638	5,844,696	7,193,284							
Balance	-467,700	-749,574	-711,635	-1,357,077	-1,875,745	-1,372,926							
Operating Ratio (%)	118.13	116.25	115.49	131.37	147.26	123.59							

Source: CFRC

It is observed that the Southern Line requires further rehabilitation to reduce excessive operating costs and thereby enable effective competition with road transport. Also additional rolling stock and track maintenance operations together with upgrading of signaling equipment, development of efficiency standards and cost recovery management will be needed in order to cater for the increasing traffic with an adequate level of service.

A8.5.7 INLAND WATERWAY OPERATION

There are 2 departments in MPWT which are administering water transports in the country; Department of Water Transport for ports of Phnom Penh, Sihanoukville and Koh Kong and Department of Inland Waterway mainly for river transport. In this section the Study is confined to the river transportation in the Phnom Penh metropolitan areas.

Cargo Transport:

There are 4 main navigable waterways converging at the Quatre Bras in Phnom Penh, which include the bwer and upper reaches of the Mekong, the Tonle Sap and the Bassac. The lower reach of the Mekong between Phnom Penh and the sea can accommodate vessels of up to 2,000 dwt the whole year, provided that regular dredging at three sites on the Cambodian side of the border is carried out.

The upper reach of the Mekong between Phnom Penh and Kratie can accommodate vessels of only a few hundred mt, due to a lack of dredging in recent years. The stretch between Kratie and Stung Treng is navigable to vessels of 20-50 tons only.

The Tonle Sap can accommodate vessels of up to some 150 tons through the Tonle Sap Lake to Siem Reap at high water. However, the entrance to the lake is heavily silted, with a depth of only 0.5 m in the dry season. The Cambodian side of the Bassac River can accommodate vessels of up to 100 tons.

Phnom Penh's main cargo port is made up of 2 sites, located on the Tonle Sap River in the center of the city. Port No. 1 (Municipal Port) rehabilitated by the Japanese grant aid has a cargo handling capacity of about 0.6 million mt per year, and Port No. 2 with pontoon wharves is mainly used for domestic traffic.

Two separate terminals handle petroleum products, at km 4 and km 13 north of the city on the Tonle Sap River. Most of POL traffic comes from Singapore along the Mekong through Vietnam, in 600-1,000 dwt vessels.

Passenger Transport:

There are 2 wharves for inland water transport administered by the Traffic Office, DPWT, MPP in Phnom Penh. One is located along the RN 5 about 300 m north of the Chruoy Chagvar Bridge, and the

other along the Sisovath Street just south of the Port No. 1. These 2 wharves are catering for the transport of passengers traveling between Phnom and the destinations in the province of Prey Veng located in the vicinity of the metropolis. The vessels used are in the range from some 20 tons to 50 tons and carrying the passengers with small cargoes. The fares range from Riel 500 up to around Riel 2000.

Also, there are 7 piers located close to the municipal passenger wharf along RN 5, which are operating long distance transportation by speedboats. One of the operators has 7 speedboats (6 x 130 passengers capacity and 1 x 60 passengers capacity), and operates from Phnom Penh to 2 destinations, Siem Reap and Kratie. The traveling time to Siem Reap is about 4.5 hours with the fares of US \$25 for foreigners and of Riel 50,000 (US \$12.5) for domestic passengers. For Kratie there are no foreign passengers on this route, and it takes about 5 hours from Phnom Penh with the fare is set at Riel 30,000 (US \$7.5). The average number of passengers per day accounts for about 80 persons on peak season (8 months) and about 50 persons on off-season (4 months). It is estimated that the number of passengers per year would be around 25,200 persons.

(End of Appendix 8)

APPENDIX 10 FUTURE SOCIOECONOMIC FRAMEWORK

APPENDIX 10 FUTURE SOCIOECONOMIC FRAMEWORK

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Table A10.1-1 Demographic and Social Data by Traffic Zone (2000)

				Empl	oyees	Stud	ents
	Traffic Zone	Population	Household	Residence	Work Place	Residence	School
				Base	Base	Base	Base
1	Tonle Basak	46,084	9,233	24,541	27,769	12,972	10,451
2		14,913	2,511	7,942	10,892	4,198	4,204
3	Boeng Keng Kang Pir	12,764	2,195	6,797	1,892	3,593	1,360
4	Boeng Keng Kang Bei	24,035	4,117	12,799	3,977	6,766	3,419
5		10,375	1,681	5,525	8,286	2,921	2,225
6	Toul Svay Prey Muoy	14,214	2,340	7,569	2,682	4,001	1,594
7	Toul Svay Prey Pir	12,271	1,941	6,534	3,627	3,454	4,494
8	Tumnob Tuek	14,204	2,428	7,564	9,138	3,998	1,832
9	Tuol Tumpung Pir	8,796	1,423	4,684	3,689	2,476	4,177
10	Tuol Tumpung Muoy	10,667	1,733	5,681	5,185	3,003	11,091
11	Boeng Trabaek	9,786	1,624	5,211	4,082	2,755	8,740
12		16,832	2,872	8,963	4,580	4,738	7,004
13	Phsar Thmei Muoy	7,622	1,313	4,059	7,317	2,146	C
	Phsar Thmei Pir	7,954	1,362	4,236	3,741	2,239	C
15	Phsar Thmei Bei	13,464	2,358	7,170	4,161	3,790	4,560
16	Boeng Reang	7,986	1,337	4,253	6,146	2,248	8,193
17	Phsar Kandal Muoy	11,355	1,867	6,047	5,418	3,196	5,744
18	Phsar Kandal Pir	8,048	1,387	4,286	4,717	2,265	(
19	Chakto Mukh	12,648	2,210	6,735	8,008	3,560	5,085
20	Chey Chumneah	13,011	2,051	6,928	5,549	3,662	3,712
21	Phsar Chas	8,336	1,410	4,439	2,564	2,346	3,368
22	Srash Chak	34,516	6,095	18,381	11,248	9,716	16,512
23	Voat Phnom	8,870	1,478	4,724	15,882	2,497	4,808
24	Ou Ruessey Muoy	9,335	1,678	4,971	9,157	2,628	(
25	Ou Ruessey Pir	10,974	1,939	5,844	1,406	3,089	(
26	Ou Ruessey Bei	8,719	1,553	4,643	4,373	2,454	(
27	Ou Ruessey Buon	9,338	1,627	4,973	1,550	2,629	(
28	Monourom	13,286	2,298	7,075	2,417	3,740	(
29	Mittapheap	12,395	2,202	6,601	8,857	3,489	(
30	Veal Vong	22,401	3,915	11,929	13,243	6,306	19,051
31	Boeng Prolit	12,575	2,037	6,697	4,031	3,540	2,866
32	Phsar Depou Muoy	10,765	1,741	5,733	4,393	3,030	(
33	Phsar Depou Pir	10,477	1,849	5,579	1,960	2,949	73:
34	Phsar Depou Bei	10,333	1,768	5,503	4,881	2,909	(
35	Tuek L'ak Muoy	13,795	2,436	7,346	6,369	3,883	18,602
36	Tuek L'ak Pir	11,578	1,801	6,165	2,335	3,259	(
37	Tuek L'ak Bei	17,689	3,011	9,420	8,184	4,979	7,148
38	Boeng Kak Muoy	18,935	3,049	10,083	7,893	5,330	8,049
39	Boeng Kak Pir	27,547	4,678	14,669	3,413	7,754	7,933
40	Phsar Daeum Kor	16,939	2,841	9,020	5,986	4,768	3,025
41	, ,	25,496	4,640	13,578	3,307	7,177	6,030
- 10	Total of Urbanized Area	591,329	102,029	314,898	254,301	166,456	186,019
42	Dangkao Trapeang Krasang	11,291 3,722	2,177 672	5,463 1,801	9,310 11,718	3,178 1,048	4,129
44	Kouk Roka	5,456	1,108	2,640	220	1,536	2,013
45	Phleung Chheh Rotech	4,496	847	2,175	177	1,266	
46	Chaom Chau	24,385				1,200	
47	Kakab	24,363		11 707		6 964	
		10 750	4,176 3,514	11,797	29,934 25,700	6,864 5,562	1,704 7,153
		19,759	3,514	9,559	25,799	5,562	7,153 4,706
48	Pong Tuek	6,869	3,514 1,273	9,559 3,323	25,799 185	5,562 1,934	7,153 4,706 2,734
48 49	Pong Tuek Prey Veang	6,869 3,155	3,514 1,273 590	9,559 3,323 1,526	25,799 185 49	5,562 1,934 888	7,153 4,706 2,734 1,497
48 49 50	Pong Tuek Prey Veang Samraong Kraom	6,869 3,155 4,508	3,514 1,273 590 859	9,559 3,323 1,526 2,181	25,799 185 49 226	5,562 1,934 888 1,269	7,153 4,706 2,734 1,497 2,004
48 49	Pong Tuek Prey Veang Samraong Kraom Prey Sa	6,869 3,155 4,508 5,214	3,514 1,273 590	9,559 3,323 1,526	25,799 185 49	5,562 1,934 888	7,153 4,706 2,734 1,497
48 49 50 51 52	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong	6,869 3,155 4,508 5,214 3,194	3,514 1,273 590 859 1,058 600	9,559 3,323 1,526 2,181 2,523 1,545	25,799 185 49 226 1,204 219	5,562 1,934 888 1,269 1,468 899	7,153 4,706 2,734 1,497 2,004 2,249 1,274
48 49 50 51 52 53	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro	6,869 3,155 4,508 5,214 3,194 2,158	3,514 1,273 590 859 1,058 600 476	9,559 3,323 1,526 2,181 2,523 1,545	25,799 185 49 226 1,204 219	5,562 1,934 888 1,269 1,468 899 608	7,153 4,706 2,734 1,497 2,004 2,249 1,274 1,036
48 49 50 51 52 53 54	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang	6,869 3,155 4,508 5,214 3,194 2,158 4,440	3,514 1,273 590 859 1,058 600	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148	25,799 185 49 226 1,204 219 79	5,562 1,934 888 1,269 1,468 899 608 1,250	7,15: 4,700 2,73 ² 1,497 2,00 ² 2,249 1,27 ² 1,030 1,35 ²
48 49 50 51 52 53 54 55	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov	6,869 3,155 4,508 5,214 3,194 2,158	3,514 1,273 590 859 1,058 600 476	9,559 3,323 1,526 2,181 2,523 1,545	25,799 185 49 226 1,204 219	5,562 1,934 888 1,269 1,468 899 608	7,15: 4,700 2,732 1,491 2,004 2,248 1,272 1,030 1,355 83:
48 49 50 51 52 53 54 55	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010	3,514 1,273 590 859 1,058 600 476 906	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973	25,799 185 49 226 1,204 219 79 172 34	5,562 1,934 888 1,269 1,468 899 608 1,250	7,15: 4,700 2,73- 1,497 2,000 2,249 1,27- 1,030 1,35: 83: 1,39-
48 49 50 51 52 53 54 55 56	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413	3,514 1,273 590 859 1,058 600 476 906 423 1,147	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619	25,799 185 49 226 1,204 219 79 172 34 49	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524	7,15: 4,700 2,734 1,497 2,000 2,249 1,274 1,036 83: 1,394 7,825
48 49 50 51 52 53 54 55 56 57	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969	25,799 185 49 226 1,204 219 79 172 34 49 16,149	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037	7,15: 4,700 2,73- 1,497 2,000 2,244 1,27- 1,030 1,35: 83: 1,39- 7,82: 5,26i
48 49 50 51 52 53 54 55 56 57	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186	3,514 1,273 590 859 1,058 600 476 906 423 1,147 6,798	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023	25,799 185 49 226 1,204 219 79 172 34 49 16,149	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905	7,15: 4,704 2,734 1,499 2,004 2,244 1,274 1,036 1,355 8 3: 1,399 7,825 5,266 3,438
48 49 50 51 52 53 54 55 56 57 58 59	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419	7,153 4,706 2,734 1,497 2,004 2,249 1,274
488 499 500 511 522 533 544 555 566 577 588 599 600	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 5,797	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093	7,15: 4,704 2,735 1,497 2,000 2,249 1,277 1,036 1,355 8.3: 1,399 7,822 5,266 3,438 2,699 3,466
48 49 50 51 52 53 54 55 56 57 58 59 60 61	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937	3,514 1,273 590 889 1,058 600 446 906 423 1,147 6,798 6,193 2,126 1,863 4,693	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 5,797 7,421	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301	7,15: 4,704 2,734 1,497 2,000 2,249 1,274 1,036 1,355 8,3: 1,394 7,825 5,266 3,438 2,695
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 5,797 7,421 15,382	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892	7,153,44,700,41,71,71,71,71,71,71,71,71,71,71,71,71,71
488 499 500 511 522 533 544 555 566 577 588 599 600 611 622 633	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chak Angrae Leu Chak Angrae Leu Chak Angrae Kraom	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042 3,452	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 5,797 7,421 15,382 15,971	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037	7,153,400,400,400,400,400,400,400,400,400,40
488 499 500 511 522 533 544 555 566 577 588 599 600 611 622 633 644	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,3042 3,452 2,663	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 5,797 7,421 15,382 15,991 1,356	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118	7,15;2 4,700 2,73- 1,497 2,000 2,240 2,240 1,277 1,030 8,33 1,39- 3,43 3,43 3,43 3,46 6,111 2,288
488 499 500 511 522 533 544 555 566 577 588 600 61 62 63 64 65	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100	3,514 1,273 590 889 1,088 600 476 906 423 1,147 6,798 6,193 2,126 1,863 3,042 3,452 2,663 1,500	9,559 3,323 1,526 2,181 2,523 1,546 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 5,797 7,421 1,5382 15,971 1,4356 4,845	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118	7,15; 4,700 2,73- 1,497 2,000 2,244 1,27- 1,030 1,355 8,33 1,39- 7,828 5,26 3,343 2,690 3,346 3,346 4,55 2,59
48 49 50 51 52 53 54 55 56 60 61 62 63 64 65 66	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Cheur Ampov Pir Chak Angrae Leu Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,1863 3,042 2,663 3,3452 2,663 1,500	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 5,797 7,421 15,382 15,971 1,356 4,845 35,923	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030	7,153,44 4,700 4,700 2,000 2,244 1,272 1,335 1,335 1,335 1,335 2,266 3,346 6,1118 6,1286 1,2866 1,19
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526 13,058	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042 2,663 1,500 4,926 2,266 4,926 2,209	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 3,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 6,317	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 5,797 7,421 15,382 15,971 1,356 4,845 35,923 14,863	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676	7,153,44,700,451,470,470,470,470,470,470,470,470,470,470
48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526 13,058 16,518	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042 3,452 2,663 1,500 4,926 2,309 2,946	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 13,801 13,807	25,799 185 49 226 1,204 219 79 172 34 4,9 16,149 10,487 2,367 7,421 15,382 15,971 1,356 4,845 35,923 14,863 6,170	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650	7,153, 4,700, 4,
48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chhar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaett Lekh Prammuoy Phum Penh Thmei	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526 13,058 16,518 21,903	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 3,042 3,452 2,663 1,500 4,926 2,309 2,946 3,933	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 6,317 7,991	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 7,421 15,382 15,971 1,356 4,845 35,923 14,863 6,170 12,786	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650 6,166	7,153 4,700 4,700 2,73 1,49 2,000 2,244 1,323 1,333 1,339 7,822 2,699 5,066 6,111 1,919 1,
48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69 70	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Ack Stueng Mean Chey Boeng Tumpun Preack Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,1000 28,526 13,058 16,518 16,518 21,903 22,711	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 3,042 3,452 2,663 1,500 4,926 2,309 2,946 3,3933 4,107	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 6,317 7,951 10,987	25,799 185 49 226 1,204 219 79 1172 34 49 10,487 2,367 5,797 7,421 15,382 15,971 1,356 4,845 35,923 14,863 6,170 6,1706 11,166	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650 6,166 6,393	7,153 4,70 4,70 2,73 1,49 2,00 2,244 1,03 1,355 1,355 1,355 5,26 3,46 3,46 3,46 4,31 1,96 1,197 9,44 4,33 1,39 4,7 1,97 1,96 1,97 1,97 1,96 1,97 1,97 1,97 1,97 1,97 1,97 1,97 1,97
48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69 70 71	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phaum Penh Thmei Russesy Kaev Tuek Thla	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526 13,058 16,518 21,903 22,711 40,157	3,514 1,273 590 889 1,058 600 446 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,3042 2,2663 1,500 4,926 2,349 2,246 3,452 2,2663 1,500 4,926 2,349 2,246 3,349 2,246 3,349 2,246 3,349 2,246 3,349 2,246 3,349 2,246 3,349 2,246 3,349 2,246 3,349 2,246 3,349 2,246 3,349 2,246 4,2	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 7,991 10,596 10,987	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 5,797 7,421 15,382 15,971 1,356 4,845 35,923 14,863 6,170 12,786 49,725	5,562 1,934 888 1,269 1,468 8899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650 6,166 6,393 11,304	7,153 4,700 2,73-4,700 1,494 2,000 2,244 1,27- 1,030 1,355 83 83 7,822 5,266 3,434 3,466 6,111 2,288 1,966 4,196 4,354 1,97- 1
48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 67 70 71 72	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526 13,058 16,518 21,903 22,711 40,157	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042 3,452 2,663 1,500 4,926 2,309 2,946 3,933 4,107 6,698 2,2051	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 6,317 7,991 10,596 10,987	25,799 185 49 226 1,204 219 79 172 34 4,9 16,149 10,487 2,367 7,421 15,382 15,971 1,356 4,845 35,923 14,863 6,170 12,786 11,166 49,725 11,056	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,449 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650 6,166 6,593 11,304 3,446	7,15 4,70 4,70 4,70 4,70 4,70 4,70 4,70 4,70
488 499 500 511 522 533 544 555 566 577 588 600 611 622 636 666 677 688 699 700 711 722 733	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chhar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phaum Penh Thmei Ruessey Kaev Tuek Tha	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526 13,058 16,518 21,903 22,711 40,157	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042 3,452 2,663 1,500 4,926 2,309 2,946 3,933 4,107 6,698	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 6,317 7,991 10,596 10,987 19,427 5,922 2,500	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 7,421 15,382 15,971 1,356 4,845 35,923 14,863 6,170 12,786 11,166 49,725 11,056	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650 6,166 6,393 11,304 3,446 1,455	7,15 4,70 4,70 4,70 2,73 1,49 2,00 2,24 1,27 1,03 1,35 1,39 7,82 5,26 3,46 6,11 2,28 4,35 1,99 1,97 1,97 1,97 1,97 1,97 1,97 1,97
488 499 500 511 522 533 544 555 566 577 588 600 611 622 636 646 657 701 722 733 744	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Ack Stueng Mean Chey Boeng Tumpun Preack Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Prack Lieab Prack Lieab Prack Ta Sek Chrouy Changva	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,1000 28,526 13,058 16,518 21,903 22,711 40,157 12,241 5,168	3,514 1,273 590 8859 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042 3,452 2,663 1,500 4,926 2,309 2,946 3,933 4,107 6,698 2,051	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 3,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 10,596 10,987 19,427 5,520 8,882	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 5,797 7,421 15,382 15,971 1,356 4,845 4,845 11,166 49,725 11,056 16,169	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650 6,166 6,393 11,304 3,445 1,455 5,168	7,153 4,70 4,70 4,70 4,70 4,70 4,70 4,70 4,70
488 499 500 511 522 533 544 555 566 577 588 599 600 61 62 63 63 64 65 66 66 67 70 71 72 73 74 75 75	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Ta Sek Chrouy Changva Chrang Changva	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526 11,6518 21,903 22,711 40,157 12,241 5,168 18,3600 7,744	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042 3,452 2,663 1,500 4,926 2,309 2,946 3,933 4,107 6,698 2,051 954 3,367	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 6,317 7,991 10,596 10,987 19,427 5,922 2,500 8,882 3,746	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 7,421 15,382 15,971 1,356 4,845 35,923 14,863 6,170 12,786 11,166 49,725 11,056 162 1,831 1,831	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650 6,166 6,393 11,304 3,446 1,455 5,168	7,153,44,700 4,700
488 499 500 511 522 533 544 555 566 577 588 600 611 622 636 666 667 701 722 733 744 755 76	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chhar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaert Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Ta Sek Chrouy Changva Chrang Chamreh Muoy Chrang Cha	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526 13,058 16,518 21,903 22,711 40,157 12,241 5,168 18,360 17,744 13,623	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042 3,452 2,663 1,500 4,926 2,309 2,946 3,933 4,107 6,698 2,069 1,954 3,337 1,1402 2,245	9,559 3,323 1,526 2,181 2,523 1,546 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 6,317 7,991 10,596 10,987 19,427 5,922 2,500 8,882 3,746 6,591	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 5,797 7,421 15,382 15,971 1,386 4,845 35,923 14,863 6,170 12,786 11,166 49,725 11,056 1,1831 1,281 1,281 1,284	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650 6,166 6,393 11,304 3,3446 1,455 5,168 2,180 3,835	7,153 4,700 2,733 1,494 2,000 2,244 1,033 1,335 1,339 7,822 2,699 5,066 6,111 1,979 9,44 4,351 1,034 1,034 1,035 1,034 1,035 1,036 1
488 499 500 511 522 533 544 555 566 577 588 600 61 622 636 666 667 71 72 73 74 75 76 77	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Lieab Praek Ta Sek Chrouy Changva Chrang Chamreh Muoy Chrang Chamreh Muoy Chrang Chamreh Pir Kandal Stueng	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526 13,058 16,518 21,903 22,711 40,157 12,241 5,168 18,360 7,744 15,168 18,360 7,744 13,623 9,475	3,514 1,273 590 8859 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042 2,663 1,500 4,926 2,309 2,946 3,933 4,107 6,698 2,051 1,954 3,367 1,402 2,345 1,1402 2,345 1,1915	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 3,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 10,596 10,987 19,427 5,250 8,882 3,746 6,591	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 5,797 7,421 15,382 15,971 1,356 4,845 4,845 11,166 49,725 11,056 11,166 10,162 1,831 6,740 5,430 5,430 374	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650 6,166 6,393 11,304 3,445 1,455 5,168 2,180 3,383 5,5168	7,153,44,700,451,470,470,470,470,470,470,470,470,470,470
488 499 500 511 522 533 534 555 566 577 588 599 600 616 626 636 666 667 717 72 737 74 757 76 77 78	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preack Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Russey Kaev Tuek Thla Praek Lieab Praek Ta Sek Chrouy Changva Chrang Chamreh Pir Kandal Stueng Kind Suyay Kandal Stueng Kind Suyay Kandal Stueng Kind Suyay Chrang Chamreh Muoy Chrang Chamreh Muoy Chrang Chamreh Muoy Kandal Stueng Kind Suyay	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526 13,0588 16,518 21,903 22,711 40,157 12,241 5,168 18,360 7,744 13,623 9,475 24,215	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042 2,663 1,500 4,926 2,309 2,946 3,393 4,107 6,698 2,051 9,544 3,367 1,402 2,345 2,345 2,669 1,500	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 5,316 12,548 8,408 10,375 7,077 3,919 13,801 7,991 10,596 10,987 19,427 5,922 2,500 8,882 3,746 6,591	25,799 185 49 226 1,204 2119 79 172 34 49 16,149 10,487 5,797 7,421 15,382 15,971 1,356 4,845 35,923 14,863 6,170 12,786 11,166 49,725 11,056 162 1,831 6,740 1,831	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650 6,166 6,393 11,304 3,446 1,455 5,168 2,180 3,383 3,383 2,667 6,816	7,153 4,70 4,70 4,70 4,70 4,70 4,70 4,70 4,70
488 499 500 511 522 533 544 555 566 577 588 600 611 622 636 647 71 722 733 757 767 777 78	Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chhar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Ta Sek Chrouy Changva Chrang Chamreh Muoy Chrang Chamreh Muoy Chrang Chamreh Muoy Chrang Chamreh Micy Kien Svay Ta Khmau	6,869 3,155 4,508 5,214 3,194 2,158 4,440 2,010 5,413 39,208 35,186 12,147 10,988 25,937 17,380 21,446 14,628 8,100 28,526 13,058 16,518 21,903 22,711 40,157 12,241 5,168 18,360 7,744 13,623 9,475 24,215 36,190	3,514 1,273 590 889 1,058 600 476 906 423 1,147 6,798 6,193 2,126 1,863 4,693 3,042 3,452 2,663 1,500 4,926 2,309 2,946 3,933 4,107 6,698 2,051 954 3,367 1,402 2,345 1,915 4,700 6,512	9,559 3,323 1,526 2,181 2,523 1,545 1,044 2,148 973 2,619 18,969 17,023 5,877 1,023 5,877 1,031 13,801 10,375 7,077 3,919 13,801 10,596 10,987 19,427 5,922 2,500 2,802 3,746 6,591 4,15,15	25,799 185 49 226 1,204 219 79 172 34 49 16,149 10,487 2,367 7,421 15,382 15,971 1,356 4,845 35,923 14,863 6,170 12,786 11,166 49,725 11,056 1621 1,831 6,740 5,43	5,562 1,934 888 1,269 1,468 899 608 1,250 566 1,524 11,037 9,905 3,419 3,093 7,301 4,892 6,037 4,118 2,280 8,030 3,676 4,650 6,166 6,393 31,304 3,446 1,458 5,168 2,180 3,3835 2,687 6,616	7,153 4,70 4,70 4,70 4,70 4,70 4,70 4,70 4,70

Table A10.1-2 Demographic and Social Data by Traffic Zone (2005)

			Empl	oyees	Stude	ents
Traffic Zone	Population	Household	Residence	Work Place	Residence	School
4	50 505	10.455	Base	Base	Base	Base
1 Tonle Basak 2 Boeng Keng Kang Muoy	50,797 16,438	10,465 2,821	26,130 8,456	31,538 12,332	13,810 4,469	12,68
3 Boeng Keng Kang Pir	16,438	2,632	7,660	2,461	4,469	2,67
4 Boeng Keng Kang Pil	28,041	4,947	14,425	4,519	7,623	5,61
5 Oulampik	12,104	2,077	6,226	10,113	3,291	2,93
6 Toul Svay Prey Muoy	16,130	2,738	8,297	2,927	4,385	2,91
7 Toul Svay Prey Pir	14,316	2,385	7,364	4,174	3,892	4,73
8 Tumnob Tuek	15,657	2,708	8,054	10,395	4,257	2,90
9 Tuol Tumpung Pir	9,403	1,577	4,837	4,009	2,556	3,83
10 Tuol Tumpung Muoy	11,403	1,917	5,866	5,631	3,100	8,73
11 Boeng Trabaek	10,787	1,822	5,549	4,596	2,933	7,11
12 Phsar Daem Thkov	18,553	3,206	9,544	4,999	5,044	6,79
13 Phsar Thmei Muoy	8,148	1,548	4,191	7,972	2,215	
14 Phsar Thmei Pir	8,502	1,534	4,373	4,306	2,311	
15 Phsar Thmei Bei	14,392	2,606	7,403	4,565	3,913	4,94
16 Boeng Reang	8,803	1,531	4,528	6,810	2,393	6,85
17 Phsar Kandal Muoy	11,751	2,018	6,045	5,867	3,195	5,41
18 Phsar Kandal Pir	8,328	1,493	4,284	4,989	2,264	
19 Chakto Mukh	13,089	2,326	6,733	8,935	3,558	5,10
20 Chey Chumneah	13,103	2,193	6,740	5,863	3,562	4,12
21 Phsar Chas	8,482	1,479	4,363	3,106	2,306	3,45
22 Srash Chak 23 Voat Phnom	35,720 9,180	6,544 1,588	18,375 4,722	12,915 17,187	9,711 2,496	18,53
						4,3.
24 Ou Ruessey Muoy 25 Ou Ruessey Pir	9,979 11,731	1,849 2,135	5,133	9,525	2,713	
25 Ou Ruessey Pir 26 Ou Ruessey Bei	9,321	1,718	6,035 4,795	1,516 4,529	3,189 2,534	
27 Ou Ruessey Buon	9,321	1,718	5,135	1,696	2,714	
28 Monourom	14,202	2,554	7,306	2,610	3,861	
29 Mittapheap	12,613	2,298	6,488	9,928	3,429	
30 Veal Vong	25,421	4,609	13,077	15,276	6,911	20.5
31 Boeng Prolit	14,271	2,445	7,341	4,717	3,880	5,9
32 Phsar Depou Muoy	11,866	2,028	6,104	5,013	3,226	
33 Phsar Depou Pir	11,199	2,003	5,761	2,195	3,045	2,2
34 Phsar Depou Bei	11,219	1,973	5,771	5,292	3,050	
35 Tuek L'ak Muoy	14,977	2,658	7,704	6,989	4,072	16,4
36 Tuek L'ak Pir	12,570	2,050	6,466	2,552	3,417	
37 Tuek L'ak Bei	18,909	3,237	9,727	9,118	5,141	7,4
38 Boeng Kak Muoy	26,470	4,435	13,616	8,855	7,196	9,6
39 Boeng Kak Pir	34,656	5,932	17,827	3,847	9,422	10,3
40 Phsar Daeum Kor	19,762	3,389	10,166	7,183	5,373	4,9
41 Boeng Salang	27,682	4,957	14,240	3,656	7,526	7,6
Total of Urbanized Area	654,848	116,228	336,859	284,706	178,027	203,8
42 Dangkao	12,532	2,414	6,447	11,245	3,407	4,8
43 Trapeang Krasang	4,387	783	2,257	12,543	1,193	1,2
44 Kouk Roka	5,740	1,145	2,953	241	1,560	1,9
45 Phleung Chheh Rotech 46 Chaom Chau	5,299	989 4,909	2,726	3,046	1,441	1,7
46 Chaom Chau 47 Kakab	28,739 21,709	3,824	14,784 11,167	31,559 27,522	7,813 5,902	7,8 5,0
48 Pong Tuek	8,096	1,480	4,165	741	2,201	2,8
49 Prey Veang	3,288	616	1,691	133	894	1,4
50 Samraong Kraom	4,787	905	2,462	3,253	1,301	1,9
51 Prey Sa	6,869	1,334	3,533	1,445	1,867	2,3
52 Krang Thnong	3,391	634	1,744	301	922	1,2
53 Krang Pongro	2,292	490	1,179	2,788	623	9
54 Prateah Lang	5,233	1,038	2,692	6,608	1,423	1,4
55 Sak Sampov	2,095	434	1,078	37	570	8
56 Cheung Aek	5,819	1,201	2,993	56	1,582	1,4
57 Stueng Mean Chey	61,613	10,534	31,694	23,731	16,750	12,8
58 Boeng Tumpun	53,633	9,323	27,589	11,735	14,581	10,1
59 Preaek Pra	14,550	2,596	7,485	2,828	3,956	3,0
60 Chbar Ampov Muoy	12,820	2,191	6,595	6,249	3,485	2,9
61 Chbar Ampov Pir	31,067	5,489	15,981	8,019	8,446	5,3
62 Chak Angrae Leu	19,724	3,428	10,146	23,515	5,362	3,5
63 Chak Angrae Kraom 64 Nirouth	26,341	4,355 3,074	13,550 8,539	28,881 1,464	7,161 4,513	5,9 5,3
	16,600					
65 Khmuonh 66 Tuol Sangkae	10,081 32,372	1,857 5,632	5,186 16,652	5,002 39,437	2,741 8,801	2,0
67 Svay Pak	32,372 15,641	2,755	8,046	21,301	4,252	2,8
68 Kiloumaetr Lekh Prammuoy	25,957	4,685	13,352	8,426	7,057	3,9
69 Phnum Penh Thmei	28,856	5,170	14,844	14,451	7,845	5,9
70 Ruessey Kaev	34,618	6,501	17,808	13,952	9,411	10,6
71 Tuek Thla	61,210	10,310	31,487	61,743	16,641	11,1
72 Praek Lieab	14,947	2,582	7,689	11,762	4,064	5,0
73 Praek Ta Sek	5,555	1,021	2,858	242	1,510	1,0
74 Chrouy Changva	21,581	4,023	11,101	2,446	5,867	5,
75 Chrang Chamreh Muoy	9,276	1,683	4,772	9,641	2,522	2,
76 Chrang Chamreh Pir	17,139	3,037	8,816	7,639	4,659	3,
77 Kandal Stueng	11,170	2,228	5,746	518	3,037	2,
	26,085	5,029	13,418	4,060	7,091	5,0
78 Kien Svay	20,000				10.000	13,9
	46,673	8,202	24,009	12,581	12,689	13,
78 Kien Svay		8,202 0	24,009 0	12,581 246	12,689	13,
78 Kien Svay 79 Ta Khmau	46,673					169,

Table A10.1-3 Demographic and Social Data by Traffic Zone (2010)

1				Empl	oyees	Stud	ents
	Traffic Zone	Population	Household	Residence	Work Place	Residence	School
ĺ				Base	Base	Base	Base
—	Tonle Basak	55,510	11,696	28,606	35,307	14,298	14,526
2	Boeng Keng Kang Muoy	17,963	3,130	9,257	13,773	4,627	4,900
	Boeng Keng Kang Pir	17,018	3,069	8,770	3,030	4,383	4,077
	Boeng Keng Kang Bei	32,047	5,776	16,515	5,060	8,255	7,885
	Oulampik	13,833	2,474	7,128	11,940	3,563	3,586
6	1 1 1	18,047	3,135	9,300	3,172	4,648	4,324
7	Toul Svay Prey Pir	16,361	2,828	8,431	4,721	4,214	4,692
8	Tumnob Tuek	17,110	2,989	8,817	11,652	4,407	4,140
9	Tuol Tumpung Pir	10,010	1,732	5,158	4,328	2,578	3,150
10	Tuol Tumpung Muoy	12,138	2,102	6,255	6,077	3,126	5,281
11	Boeng Trabaek	11,788	2,020	6,075	5,111	3,036	4,665
	Phsar Daem Thkov	20,274	3,541	10,448	5,418	5,222	6,077
13	Phsar Thmei Muoy Phsar Thmei Pir	8,673 9,051	1,783	4,469 4,664	8,627 4,871	2,234 2,331	0
15	Phsar Thmei Bei	15,321	1,707 2,854	7,895	4,969	3,946	5,076
16	Boeng Reang	9,620	1,726	4,957	7,475	2,478	4,763
17	Phsar Kandal Muoy	12,147	2,169	6,260	6,316	3,129	4,651
18	Phsar Kandal Pir	8,609	1,598	4,436	5,262	2,217	1,001
19	Chakto Mukh	13,530	2,442	6,972	9,862	3,485	4,782
20	Chey Chumneah	13,194	2,336	6,799	6,178	3,398	4,343
21	Phsar Chas	8,628	1,548	4,446	3,649	2,222	3,320
22	Srash Chak	36,924	6,993	19,028	14,582	9,511	19,701
23	Voat Phnom	9,489	1,698	4,890	18,492	2,444	3,863
24	Ou Ruessey Muoy	10,622	2,020	5,474	9,892	2,736	0
25	Ou Ruessey Pir	12,488	2,330	6,435	1,627	3,217	(
26	Ou Ruessey Bei	9,922	1,883	5,113	4,686	2,556	C
27	Ou Ruessey Buon	10,626	1,978	5,476	1,841	2,737	C
28	Monourom	15,119	2,811	7,791	2,803	3,894	0
29	Mittapheap	12,830	2,393	6,612	10,999	3,305	C
30	Veal Vong	28,442	5,304	14,657	17,311	7,326	20,980
31	Boeng Prolit	15,966	2,853	8,228	5,404	4,112	9,256
32	Phsar Depou Muoy	12,967	2,315	6,682	5,632	3,340	0
33	Phsar Depou Pir	11,922	2,156	6,144	2,430	3,071	3,911
34 35	Phsar Depou Bei Tuek L'ak Muoy	12,105 16,160	2,178 2,880	6,238 8,328	5,703 7,610	3,118 4,162	12,780
36	Tuek L'ak Pir	13,563	2,000	6,989	2,769	3,494	12,780
37	Tuek L'ak Bei	20,128	3,463	10,372	10,051	5,185	7,219
38	Boeng Kak Muoy	34,005	5,820	17,524	9,817	8,759	10,966
39	Boeng Kak Pir	41,765	7,187	21,522	4,280	10,758	12,475
40	Phsar Daeum Kor	22,585	3,936	11,639	8,380	5,817	6,894
41		29,867	5,274	15,391	4,005	7,693	9,066
	Total of Urbanized Area	718,367	130,426	370,191	315,112	185,035	211,350
42	Dangkao	15,014	2,889	7,737	15,116	3,867	6,331
43	Trapeang Krasang	5,051	894	2,603	13,368	1,301	1,366
44	Kouk Roka	6,024	1,182	3,104	263	1,552	1,923
45	Phleung Chheh Rotech	6,102	1,132	3,145	5,914	1,572	1,862
46	Chaom Chau	33,094	5,641	17,054	33,183	8,524	8,529
47	Kakab	23,659	4,134	12,192	29,245	6,094	5,419
48	Pong Tuek	9,322	1,686	4,804	1,298	2,401	2,942
49	Prey Veang	3,421	642	1,763	217	881	
50	Samraong Kraom	5,066					1,348
51	Prey Sa	10.10-	950	2,611	6,280	1,305	1,348 1,863
52	V Th	10,180	1,887	5,246	6,280 1,928	1,305 2,622	1,348 1,863 2,554
	Krang Thnong	3,589	1,887 667	5,246 1,849	6,280 1,928 383	1,305 2,622 924	1,348 1,863 2,554 1,210
53	Krang Pongro	3,589 2,425	1,887 667 504	5,246 1,849 1,250	6,280 1,928 383 5,497	1,305 2,622 924 625	1,348 1,863 2,554 1,210 949
53 54	Krang Pongro Prateah Lang	3,589 2,425 6,026	1,887 667 504 1,170	5,246 1,849 1,250 3,105	6,280 1,928 383 5,497 13,044	1,305 2,622 924 625 1,552	1,348 1,863 2,554 1,210 949 1,592
53 54 55	Krang Pongro Prateah Lang Sak Sampov	3,589 2,425 6,026 2,180	1,887 667 504 1,170 444	5,246 1,849 1,250 3,105 1,123	6,280 1,928 383 5,497 13,044 40	1,305 2,622 924 625 1,552 562	1,348 1,863 2,554 1,210 949 1,592
53 54 55 56	Krang Pongro Prateah Lang Sak Sampov Cheung Aek	3,589 2,425 6,026	1,887 667 504 1,170 444 1,310	5,246 1,849 1,250 3,105 1,123 3,417	6,280 1,928 383 5,497 13,044 40	1,305 2,622 924 625 1,552	1,348 1,863 2,554 1,210 949
53 54 55	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey	3,589 2,425 6,026 2,180 6,630 84,018	1,887 667 504 1,170 444 1,310	5,246 1,849 1,250 3,105 1,123 3,417 43,296	6,280 1,928 383 5,497 13,044 40 70 31,314	1,305 2,622 924 625 1,552 562 1,708 21,641	1,348 1,863 2,554 1,210 949 1,592 770 1,496 17,847
53 54 55 56 57	Krang Pongro Prateah Lang Sak Sampov Cheung Aek	3,589 2,425 6,026 2,180 6,630	1,887 667 504 1,170 444 1,310	5,246 1,849 1,250 3,105 1,123 3,417	6,280 1,928 383 5,497 13,044 40	1,305 2,622 924 625 1,552 562 1,708	1,348 1,863 2,554 1,210 949 1,592 770 1,496
53 54 55 56 57 58 59	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra	3,589 2,425 6,026 2,180 6,630 84,018 72,080	1,887 667 504 1,170 444 1,310 14,271 12,453	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983	1,305 2,622 924 625 1,552 562 1,708 21,641	1,348 1,863 2,554 1,210 949 1,592 770 1,496 17,847 14,954
53 54 55 56 57 58 59	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953	1,887 667 504 1,170 444 1,310 14,271 12,453 3,066	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367	1,348 1,863 2,554 1,210 945 1,592 770 1,496 17,847 14,954 3,792
53 54 55 56 57 58 59 60	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953	1,887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774	1,348 1,863 2,554 1,210 945 1,592 770 1,496 17,847 14,954 3,792 3,201
53 54 55 56 57 58 59 60 61 62 63	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236	1,887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,550 6,285 3,814 5,258	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046	1,348 1,863 2,554 1,210 944 1,592 77 1,496 17,847 14,954 3,792 3,201 7,321 4,492 6,771
53 54 55 56 57 58 59 60 61 62	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067	1,887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520 6,285 3,814	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684	1,348 1,863 2,554 1,210 945 1,592 770 1,496 17,847 14,954 3,792 3,201 7,321 4,492
53 54 55 56 57 58 59 60 61 62 63 64 65	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 18,573	1.887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520 6,285 3,814 5,258 3,485 2,214	5,246 1,849 1,250 3,100 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107	1,348 1,863 2,554 1,212 9,459 1,592 770 17,847 14,954 3,792 4,923 4,492 6,771 4,466 5,771
53 54 55 56 57 58 59 60 61 62 63 64 65 66	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 18,573 12,062 36,219	1.887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520 6,285 3,814 5,258 3,485 2,214 6,339	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 42,952	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107 9,329	1.348 1.863 2.5554 1.2101 1.902 1.949 1.592 1.777 1.490 1.490 1.490 1.4903 3.792 3.201 4.4929 6.777 4.566
53 54 55 56 57 58 59 60 61 62 63 64 65	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 18,573 12,062 36,219 18,224	1,887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520 6,285 3,814 5,258 3,485 2,214 6,339 3,201	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 42,952 27,740	1,305 2,622 924 625 1,552 1,552 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107 9,329 4,694	1,348 1,863 2,2554 1,210 949 1,593 1,593 1,496 1,495 3,201 7,732 1,499 4,567 4,567 2,996 6,919 3,733
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Eu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 18,573 12,062 36,219 18,224 35,396	1.887 667 504 1,170 444 1.310 14,271 12,453 3,066 2,520 6,285 3,814 5,258 3,485 2,214 6,339 3,201 6,424	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 42,952 27,740 10,682	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107 9,329 4,694 9,117	1,348 1,863 2,554 1,212 949 1,592 177 1,496 17,847 14,954 3,202 1,322 4,492 4,567 1,577 4,567 1,577 1,
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 18,573 12,062 36,219 18,224 35,396 42,763	1.887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520 6,285 3,814 5,258 3,485 2,214 6,339 3,201 6,424 7,644	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 22,037	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 42,952 27,740 10,682 17,781	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107 9,329 4,694 9,117 11,015	1,348 1,863 2,554 1,212 9,459 1,599 17,70 14,954 14,954 14,954 14,954 14,954 14,954 14,954 14,954 15,732 16,771 16
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phum Penh Thmei Ruessey Kaev	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 18,573 12,062 36,219 18,224 35,396 42,763 42,763	1.887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520 6,285 3,814 5,258 3,814 6,339 3,201 6,424 7,644 8,895	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 2,20,37 23,975	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 42,952 27,740 10,682 17,781 16,738	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107 9,329 4,694 9,117 11,015 11,984	1,348 1,863 2,554 1,210 949 1,593 1,593 1,496 1,593 3,201 7,321 4,567 4,567 4,567 6,771 4,567 6,771 4,567 6,915 3,733 7,048
533 544 555 566 577 588 599 600 61 62 63 64 64 65 666 667 70 71	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Sueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuoh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phaum Penh Thmei Ruessey Kaev Tuek Thla	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 18,573 12,062 36,219 18,224 45,35,396 42,763 46,525 82,263	1,887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520 6,285 3,814 5,258 3,485 2,214 6,339 3,201 6,424 7,644 8,895	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,530 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 22,037 23,975 42,392	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 42,952 27,740 10,682 17,781 16,788 73,761	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 4,784 3,107 9,329 4,694 9,117 11,015 11,984 21,189	1,348 1,863 2,554 1,210 949 1,592 1,777 1,499 1,784 1,954 1,955 1,329 1,329 1,320 1,
53 54 55 56 56 57 57 58 59 60 61 62 63 65 66 66 67 70 71 72	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 12,067 31,236 12,067 31,236 42,763 46,525 82,263 20,360	1.887 667 504 1.170 444 1.310 14.271 12.453 3.066 2.520 6.285 3.814 5.258 3.485 2.214 6.339 3.201 6.424 7.644 8.8955 13.921 3.3644	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 22,037 23,975 42,302 10,492	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 42,952 27,740 10,682 17,781 16,738 16,738 13,737 13,761	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107 9,329 4,694 9,117 11,015 11,984 21,189 5,244	1,348 1,863 2,554 1,863 2,555 1,592 1,949 1,592 1,770 1,4994 1,4954 1,4954 3,202 1,321 1,3
53 54 55 56 56 57 57 58 59 60 61 62 63 65 66 67 70 71 72 73	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Mir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Lieab	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 36,219 18,273 12,062 36,219 42,763 42,763 46,525 82,263 20,360 6,329	1.887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520 6,285 3,814 5,258 3,485 2,214 6,339 3,201 6,424 7,644 8,895 13,921 3,644 1,155	5,246 1,849 1,250 3,100 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 22,037 23,975 42,392 10,492 3,261	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 42,952 27,740 10,682 17,781 16,738 73,761 13,173	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107 9,329 4,694 9,117 11,015 11,984 21,189 5,244 1,630	1,344 1,865 2,555 1,210 944 1,599 1,777 777 1,499 1,495 1,399 1,30
533 544 555 566 577 588 599 60 61 62 63 64 64 65 66 67 70 71 72 73 74	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Pir Chak Angrae Leu Chak Angrae Leu Chak Angrae Krom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Lieab Praek Ta Sek Chrouy Changva	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 18,573 12,062 36,219 18,224 35,396 42,763 46,525 82,263 20,360 6,329 28,023	1.887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520 6,285 3,814 5,258 3,814 6,339 3,201 6,424 7,644 8,895 13,921 3,641 1,155 5,334	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 2,037 23,975 42,392 10,492 3,261 14,441	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 10,682 27,740 10,682 17,781 16,738 73,761 13,173 40] 3,677	1,305 2,622 924 625 1,552 1,552 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107 9,329 4,694 9,117 11,015 11,984 21,189 5,244 1,630 7,218	1,344 1,86 2,55- 2,25- 2,210 944 1,592 1,499 1,499 1,499 3,200 3,200 4,499 4,500 4,500 1,7
533 544 555 566 577 600 611 622 633 644 655 666 677 717 722 733 744 755	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chhar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Russey Kaev Tuek Thla Praek Lieab Praek I a Sek Chrouy Chanyva Chrang Chanyva Chrang Chanyva Chrang Chamreh Muoy	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,983 14,651 36,198 22,067 31,236 18,573 12,062 36,219 18,224 35,396 42,763 42,763 42,763 20,360 6,329 28,023 10,807	1.887 667 504 1.170 444 1.310 14.271 12.453 3.066 2.520 6.285 3.814 5.258 3.485 2.214 6.339 3.201 6.424 7.644 8.895 5.334 1.155 5.334	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 22,037 23,975 42,392 10,492 3,261 14,441 5,569	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 27,740 10,682 17,781 16,738 73,761 13,173 401 3,677 12,542	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 4,784 3,107 9,329 4,694 9,117 11,015 11,984 21,189 5,244 1,630 7,218	1,344 1,362 2,55- 1,212 1,212 1,394 1,599 1,599 1,399
533 544 555 566 577 588 60 61 62 63 64 64 65 66 66 67 70 71 72 72 74 75 76	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Mir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Ta Sek Chrouy Changva Chrang Channeh Muoy	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 36,219 18,224 35,396 42,763 46,525 82,63 20,360 6,329 28,023 10,807 20,654	1.887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520 6,285 3,814 5,228 3,485 2,214 6,339 3,201 6,424 7,644 8,895 13,921 3,644 1,155 5,334 1,964 3,729	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 22,037 23,975 42,392 10,492 3,261 14,441 5,5699 10,643	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 42,952 27,740 10,682 17,781 16,738 73,761 13,173 401 3,677 12,542 9,828	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107 9,329 4,694 9,117 11,015 11,984 21,189 5,244 1,630 7,218 1,2784 5,320	1,344 1,865 2,555 1,210 944 1,599 1,499 1,
533 544 555 566 577 600 611 622 633 644 655 666 677 717 722 733 744 755	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Pir Chak Angrae Leu Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Ta Sek Chrouy Changva Chrang Chamreh Muoy Chrang Chamreh Muoy Chrang Chamreh Pir Kandal Stueng	3,589 2,425 6,026 2,180 6,630 8,4,018 72,080 16,953 14,651 36,198 22,067 31,236 18,573 12,062 36,219 18,224 35,396 42,763 46,525 82,263 20,360 6,329 28,023 10,807 20,654	1.887 667 504 1.170 444 1.310 14.271 12.453 3.066 2.520 6.285 3.814 5.258 3.814 6.339 3.201 6.424 7.644 8.895 13.921 3.644 1.155 5.334 1.964 3.729 2.542	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 22,037 23,975 42,392 10,492 3,261 14,441 5,569	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 27,740 10,682 17,781 16,738 73,761 13,173 401 3,677 12,542	1,305 2,622 924 625 1,552 1,552 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107 9,329 4,694 9,117 11,015 11,984 21,189 5,244 1,630 7,218 2,784 1,630 7,218	1,344 1,86 2,55- 2,25- 2,210 944 1,592 1,499 1,499 1,499 3,200 3,200 1,499 4,499 1,496 1,496 1,1
533 544 555 566 569 600 611 622 666 677 717 722 733 744 776 777	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Mir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Ta Sek Chrouy Changva Chrang Channeh Muoy	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 36,219 18,224 35,396 42,763 46,525 82,63 20,360 6,329 28,023 10,807 20,654	1.887 667 504 1,170 444 1,310 14,271 12,453 3,066 2,520 6,285 3,814 5,228 3,485 2,214 6,339 3,201 6,424 7,644 8,895 13,921 3,644 1,155 5,334 1,964 3,729	5,246 1,849 1,250 3,100 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 22,037 23,975 42,392 10,492 3,261 14,441 5,5693 10,643	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 10,682 27,740 10,682 17,781 16,738 73,761 13,173 40,10 3,677 12,542 9,828	1,305 2,622 924 625 1,552 562 1,708 21,641 18,566 4,367 3,774 9,324 5,684 8,046 4,784 3,107 9,329 4,694 9,117 11,015 11,984 21,189 5,244 1,630 7,218 1,2784 5,320	1,348 1,863 2,554 1,210 949 1,592 1,777 1,499 1,784 1,954 1,955 1,329 1,329 1,320 1,
533 544 555 566 577 578 588 599 600 611 62 633 644 655 666 677 70 711 722 733 744 755 766 777 778	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chhar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Russesy Kaev Tuek Thla Praek Lieab Praek Ta Sek Chrouy Chanyva Chrang Chamreh Muoy Chrang Chamreh Pir Kandal Stueng Kien Svay Ta Khmau	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 18,573 12,062 36,219 18,224 35,396 42,763 46,525 82,263 20,360 6,329 28,023 10,807 20,654	1.887 667 504 1.170 444 1.310 14.271 12.453 3.066 2.520 6.285 3.814 5.258 3.485 2.214 6.339 3.201 6.424 7.644 8.895 13.921 3.644 1.155 5.334 1.964 3.729 2.542 5.687	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 22,037 23,975 42,393 10,492 3,261 14,441 5,569 10,632 10,632 11,370	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 42,952 27,740 10,682 17,781 16,7388 73,761 13,173 401 3,677 12,542 9,828 661	1,305 2,622 924 625 1,552 562 1,758 21,641 18,566 4,367 3,774 9,324 5,684 4,784 3,107 9,329 4,694 9,117 11,015 11,984 21,189 5,244 1,630 7,218 2,784 5,320 3,313 7,682	1,344 1,86: 2,55- 1,212 944 1,599 1,599 1,777 1,499 1,499 1,499 1,33,200 1,320 1,499
533 544 555 566 577 588 599 60 61 62 63 64 64 65 66 66 67 70 71 72 73 73 74 75 77 78	Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Ta Sek Chrouy Changva Chrang Channeh Pir Kandal Stueng Kinnag Channeh Kandal Stueng Kinnag Channeh Kinnag Channeh Kinnag Channeh Kinnag Channeh Kinnag Channeh Kinnag Channeh Kinnag Channeng Kinnag Ch	3,589 2,425 6,026 2,180 6,630 84,018 72,080 16,953 14,651 36,198 22,067 31,236 18,573 12,062 36,219 18,224 36,30 42,763 46,525 82,663 20,360 6,329 28,023 10,807 20,654 12,864 12,865 57,156	1.887 667 504 1.170 444 1.310 14.271 12.453 3.066 2.520 6.285 3.814 5.258 3.485 2.214 6.339 3.201 6.424 7.644 8.895 5.334 1.155 5.334 1.1964 3.729 2.542 2.549 9.893	5,246 1,849 1,250 3,105 1,123 3,417 43,296 37,144 8,736 7,550 18,654 11,372 16,097 9,571 6,216 18,664 9,391 18,240 22,037 23,975 42,392 10,492 3,261 14,441 5,569 10,643 6,6370 29,454	6,280 1,928 383 5,497 13,044 40 70 31,314 12,983 3,289 6,702 8,618 31,648 41,790 1,572 5,160 42,952 27,740 10,682 17,781 16,738 73,761 13,173 401 3,677 12,542 9,828 661 2,545 13,568	1,305 2,622 924 625 1,552 562 1,758 21,641 18,566 4,367 3,774 9,324 5,684 4,784 3,107 9,329 4,694 9,117 11,015 11,984 21,189 5,244 1,630 7,218 2,784 5,320 3,313 7,682	1,344 1,86: 2,55- 1,212 944 1,599 1,599 1,777 1,499 1,499 1,499 1,33,200 1,320 1,499

Table A10.1-4 Demographic and Social Data by Traffic Zone (2015)

				Empl	oyees	Stud	lents	
	Traffic Zone	Popualtion	Household	Residence	Work Place	Residence	School	
				Base	Base	Base	Base	
- 1	Tonla Donali	57 967	12,312	31,989	37,192			
	Tonle Basak Boeng Keng Kang Muoy	57,867 18,727	3,285	10,352	14,493	15,133 4,897	16,80 5,43	
	Boeng Keng Kang Pir	18,083	3,288	9,996	3,314	4,897	5,25	
	Boeng Keng Kang Pri Boeng Keng Kang Bei	34,050	6,191	18,823	5,331	8,905	9,88	
	Oulampik	14,699	2,672	8,125	12,854	3,844	4,20	
	Toul Svay Prey Muoy	19,005	3,334	10,506	3,295	4,970	5,52	
7		17,384	3,050	9,610	4,994	4,546	5,0	
	Tumnob Tuek	17,836	3,129	9,860	12,281	4,664	5,18	
9	Tuol Tumpung Pir	10,313	1,809	5,701	4,488	2,697	2,9	
10	Tuol Tumpung Muoy	12,506	2,194	6,914	6,300	3,271	3,6	
11	Boeng Trabaek	12,288	2,119	6,793	5,368	3,213	3,5	
12	Phsar Daem Thkov	21,135	3,708	11,684	5,628	5,527	6,1	
13	Phsar Thmei Muoy	8,936	1,901	4,940	8,954	2,337		
14		9,325	1,793	5,155	5,153	2,439		
15		15,785	2,978	8,726	5,171	4,128	5,5	
	Boeng Reang	10,028	1,823	5,544	7,807	2,623	3,8	
	Phsar Kandal Muoy	12,345	2,245	6,825	6,540	3,228	4,5	
	Phsar Kandal Pir	8,749	1,651	4,837	5,399	2,288		
19		13,751	2,500	7,602	10,326	3,596	4,9	
20		13,240	2,407	7,319	6,335	3,462	4,8	
21	Phsar Chas	8,701	1,582	4,810	3,920	2,276	3,5	
22	Srash Chak Voat Phnom	37,527 9,644	7,217 1,753	20,745 5,331	15,416 19,144	9,814 2,522	22,0	
							3,/	
	Ou Ruessey Muoy	10,944	2,105	6,050	10,076	2,862		
25 26	Ou Ruessey Pir Ou Ruessey Bei	12,866 10,223	2,428 1,966	7,113 5,651	1,682 4,764	3,365 2,673		
20	Ou Ruessey Bei	10,223	2,066	6,052	1,914	2,863		
28	Monourom	15,577	2,000	8,611	2,900	4,074		
29	Mittapheap	12,939	2,939	7,153	11,534	3,384		
30	Veal Vong	29,952	5,651	16,557	18,328	7,833	22,9	
	Boeng Prolit	16,814	3,057	9,295	5,747	4,397	11,9	
32	Phsar Depou Muoy	13,517	2,458	7,473	5,942	3,535		
33		12,283	2,233	6,790	2,548	3,212	5,2	
34	•	12,548	2,281	6,936	5,909	3,281		
35	Tuek L'ak Muoy	16,751	2,991	9,260	7,920	4,381	11,5	
36	Tuek L'ak Pir	14,059	2,424	7,772	2,878	3,677		
	Tuek L'ak Bei	20,738	3,576	11,464	10,518	5,423	7,0	
	Boeng Kak Muoy	37,773	6,513	20,881	10,298	9,878	12,6	
39	Boeng Kak Pir	45,319	7,814	25,052	4,497	11,851	14,7	
40	Phsar Daeum Kor	23,997	4,210	13,266	8,979	6,276	8,6	
+0								
	Boeng Salang	30,960	5,432	17,115	4,180	8,096	10,6	
	Boeng Salang Total of Urbanized Area	30,960 750,130	5,432 137,526	17,115 414,678	4,180 330,315	196,170	232,	
41	Total of Urbanized Area Dangkao	750,130 16,875	137,526 3,245	414,678 9,329	330,315 18,019	196,170 4,413	232,9 776	
41 42 43	Total of Urbanized Area Dangkao Trapeang Krasang	750,130 16,875 9,039	137,526 3,245 1,558	414,678 9,329 4,997	330,315 18,019 18,318	196,170 4,413 2,364	232, 776 2,	
41 42 43 44	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka	750,130 16,875 9,039 7,730	137,526 3,245 1,558 1,405	414,678 9,329 4,997 4,273	330,315 18,019 18,318 391	196,170 4,413 2,364 2,021	232, 776 2, 1,	
41 42 43 44 45	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech	750,130 16,875 9,039 7,730 10,920	137,526 3,245 1,558 1,405 1,985	414,678 9,329 4,997 4,273 6,037	330,315 18,019 18,318 391 23,125	196,170 4,413 2,364 2,021 2,856	232, 776 2, 1,	
42 43 44 45 46	Total of Urbanized Area Dangkao Trapeang Krasang Krasang Krasang Phleung Chheh Rotech Chaom Chau	750,130 16,875 9,039 7,730 10,920 59,220	137,526 3,245 1,558 1,405 1,985 10,037	414,678 9,329 4,997 4,273 6,037 32,737	330,315 18,019 18,318 391 23,125 42,931	196,170 4,413 2,364 2,021 2,856 15,487	232, 776 2, 1, 2, 13,	
42 43 44 45 46 47	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab	750,130 16,875 9,039 7,730 10,920 59,220 35,358	137,526 3,245 1,558 1,405 1,985 10,037 5,993	414,678 9,329 4,997 4,273 6,037 32,737 19,546	330,315 18,019 18,318 391 23,125 42,931 39,584	196,170 4,413 2,364 2,021 2,856 15,487 9,247	232, 776 2, 1, 2, 13,; 7,	
42 43 44 45 46 47 48	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363	232, 776 2, 1, 2, 13,3 7,	
42 43 44 45 46 47 48 49	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Prey Veang	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103	232; 776 2, 1, 2, 13, 7, 3,	
42 43 44 45 46 47 48 49 50	Total of Urbanized Area Dangkao Trapeang Krasang Kkouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103	232; 776 2, 1; 2, 13,3 7,9 3; 9	
42 43 44 45 46 47 48 49 50	Total of Urbanized Area Dangkao Trapeang Krasang Koke Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796	414,678 9,329 4,997 4,273 6,037 32,737 119,546 9,222 2,332 3,725 7,000	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312	232, 7766 2, 1, 2, 13, 7, 3, 5 1, 2,	
41 42 43 44 45 46 47 48 49 50 51 52	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312	232, 7766 2, 1, 2, 13, 7, 3, 3, 5 1, 2, 1,	
41 42 43 44 45 46 47 48 49 50 51 52 53	Total of Urbanized Area Dangkao Trapeang Krasang Koke Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302	414,678 9,329 4,997 4,273 6,037 32,737 119,546 9,222 2,332 3,725 7,000	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312	232, 776 2, 1, 2, 13, 7, 3, 9 1, 2,4	
41 42 43 44 45 46 47 48 49 50 51 52 53 54	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750	196,170 4,413 2,364 2,021 2,886 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820	232; 776 2,4 1; 2,4 13,3 7; 3, 9 1; 2,4 1,1 2,4	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55	Total of Urbanized Area Dangkao Trapeang Krasang Kkouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 12,663 4,738 12,663 4,773 3,226	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,788 5,960	330,315 18,019 18,318 3991 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658	196,170 4,413 2,364 2,021 2,886 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820	232; 7766 2,4 1; 2,- 13,; 3; 5; 1,- 2,- 1,4 2,- 1,4 2,- 1,4 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	Total of Urbanized Area Dangkao Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 4,218 12,663 4,773 3,226 10,782 2,688	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 566	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703	232; 776 24 11; 13; 13; 14; 15; 16; 16; 17; 18; 18; 19; 19; 19; 19; 19; 19; 19; 19; 19; 19	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 11,2663 4,773 3,226 10,782 2,688 7,238	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 80	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893	232; 776 24 11; 24 13.33; 74 14; 25 14 15 26 16 16 16 16 21 21 21 21 21 21 21 21 21 21 21 21 21	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638	330,315 18,019 18,318 3919 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 80 35,105	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 844 2,820 703 1,893 24,901	232, 776 24 24 13, 777 13, 777 14, 12, 12, 13, 14, 15, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 80 35,105 13,607	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,444 2,820 703 1,893 2,4,901 21,262	232; 7762 24 11; 22; 13; 33; 45; 14; 12; 24; 14; 15; 16; 17; 18; 18; 18; 18; 18; 18; 18; 18; 18; 18	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chibar Ampov Muoy Chbar Ampov Pir	750,130 16,875 9,039 7,730 10,920 59,220 35,358 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 11,5,567 38,763	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 888 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429	330,315 18,019 18,318 3919 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 56 80 35,105 13,607 3,520 6,928 8,917	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 844 2,820 703 1,893 24,901 21,262 4,747 4,071 10,137	232, 7776 24 24 13, 13, 13, 13, 13, 14 24 25 26 27 27 29 20 20 20 20 20 20 20 20 20 20 20 20 20	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Muoy Chbar Ampov Muoy Cha Marang Leu	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 4,218 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,900 507 1,392 16,139 14,018 3,301 2,684 6,683 4,007	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 12,846	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 50 35,105 13,607 3,520 6,928 8,917 35,715	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 24,901 21,262 4,747 4,071 10,137 6,077	232; 7762 24 11; 22; 13.3 3; 5 5 14; 22; 14; 15; 16; 17; 18; 44; 43; 43; 44; 45; 46; 47; 47; 47; 47; 47; 47; 47; 47; 47; 47	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Vaang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Booeng Tumpun Preack Pra Chbar Ampov Pir Chak Angrae Leu Chak Angrae Leu Chak Angrae Leu Chak Angrae Leu Chak Angrae Kraom	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 32,323	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 596 1,960 507 1,392 14,018 3,301 2,684 6,683 4,007 5,709	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 12,846 18,621	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 80 35,105 13,607 3,520 6,928 8,917 35,715 48,245	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 24,901 21,262 4,747 4,071 10,137 6,077 8,809	232; 776 24 11; 24 13:3 13:3 15:5 16:5 16:5 17:7 18:5 18:4 14:4 18:8 18:8 18:8 18:8 18:8 18:8	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preack Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Exnom Nirouth	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239 33,684 19,559	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 4,007 5,709 3,690	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 12,846 18,621 10,813	330,315 18,019 18,318 319 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 30 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 24,901 21,262 4,747 4,071 10,137 6,077 8,809	232, 776 24 13.7 13.7 14.7 15.7 16.7 16.7 17.7 18.8 18.8 18.8 18.8 18.9 19.9 19.9 19.9	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65	Total of Urbanized Area Dangkao Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Muoy Chak Angrae Kraom Nirouth Khmuonh	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239 33,684 19,559 23,948	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 4,007 5,709 3,690 4,354	414,678 9,329 4,997 4,273 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 12,846 18,621 10,831 11,831 13,239	330,315 18,019 18,318 391 18,318 39,584 4,635 720 24,444 2,290 876 21,750 51,658 56 80 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 24,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263	232; 776 2.0 11; 2.2 13.3 13.3 15; 11; 2.2 2.1 11; 14; 15; 2.2 2.1 14; 15; 16; 17; 18,8 18,8 18,8 18,8 18,8 18,8 18,8 18,	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	Total of Urbanized Area Dangkao Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preack Pra Chbar Ampov Muoy Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239 33,684 19,559 23,948 38,142	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 4,007 5,709 3,690 4,334	414,678 9,329 4,997 4,273 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 12,846 18,621 10,813 13,239 21,085	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 56 80 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 24,901 21,262 4,747 4,071 10,137 6,077 8,899 5,115 6,263 9,975	232; 776 23 11; 22 13,3 13,3 14; 15 15 16 17 11 10 17 11 10 17 11 11 11 11 11 11 11 11 11 11 11 11	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 60 61 62 63 64 66 67	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Pir Chak Angrae Leu Chak Angrae Leu Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 181,154 15,567 38,763 23,239 33,684 19,559 23,948 38,142 19,515	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 4,007 5,709 3,690 4,3534 6,692 3,424	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 11,284 6,01 11,284 11,283 11,28	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 80 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103 44,709 30,959	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 24,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263 9,975 5,104	232; 776 23 11; 24 13:31 15; 16 16 16 17 17 24 25 26 19 19 19 19 19 19 19 19 19 19 19 19 19	
412 433 444 455 466 477 488 499 500 511 522 533 544 555 566 577 588 599 600 616 626 636 646 656 667 688	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preack Pra Chbar Ampov Muoy Chbar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239 33,684 19,515 23,948 38,142 19,515 40,116	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 4,007 5,709 3,690 4,354 6,692 3,424 7,294	414,678 9,329 4,997 4,273 32,737 19,546 9,222 2,332 3,725 7,000 2,638 4,991 1,486 4,001 10,035 8,606 21,429 12,846 18,621 10,813 13,239 21,085 10,788 21,085 10,788 21,085 10,788 21,085 10,788 22,176	330,315 18,019 18,318 391 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103 44,709 30,959 11,810	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,444 2,820 703 1,893 2,4,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491	232; 776 23 11; 22 13; 13; 3; 5 1; 22 14; 14 14 15 24 25 27 27 21 21 21 21 21 21 21 21 21 21 21 21 21	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 67 68 69	Total of Urbanized Area Dangkao Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chhar Ampov Pri Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phaum Penh Thmei	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 4,218 4,218 4,218 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239 33,684 19,559 23,948 38,142 19,515 40,116 53,193	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,900 507 1,392 16,139 14,018 3,301 2,684 6,683 4,007 5,709 3,690 4,354 6,692 3,424 7,294	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 12,846 18,621 10,813 13,239 21,085 10,786 20,786 20,786 20,786 20,786 20,786 20,786 20,406 20,786 20,406 20,	330,315 18,019 18,318 391 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 80 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103 44,709 30,959 11,810 20,278	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 24,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491 13,911	232; 776 24 11; 22, 13.3 15; 5 14 22; 14 15 16 17 24 25 26 27 27 27 27 27 27 27 27 27 27 27 27 27	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 60 61 62 63 64 65 66 67 70	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chbar Ampov Muoy Chbar Ampov Muoy Chak Angrae Leu Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiolumaetr Lekh Prammuoy Phonum Pen Thmei Ruessey Kaev	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 32,328 33,684 19,559 23,948 38,142 19,515 40,116 53,193 52,478	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 3,690 4,354 6,692 3,424 7,294 9,499	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 12,846 18,621 10,813 13,239 21,085 10,788 22,176 29,406 29,010	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 56 80 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103 44,709 30,959 11,810 20,278	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 24,901 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491 13,712	232; 776 23 11; 24 13; 15; 3; 4; 16; 16; 17; 24 24; 24; 24; 24; 24; 25; 26; 26; 27; 28; 28; 29; 29; 29; 29; 29; 20; 20; 20; 20; 20; 20; 20; 20; 20; 20	
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 66 63 64 65 66 67 70 71	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preack Pra Chbar Ampov Pir Chak Angrae Leu Chak Angrae Krom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phanum Penh Thmei Russesy Kaev Tuek Thla	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 181,154 15,567 38,763 23,239 33,684 19,559 23,948 38,142 19,515 40,116 53,193 52,478	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 4,007 5,709 3,690 4,354 6,692 3,424 7,294 9,499	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 11,2846 18,621 10,813 13,239 21,085 10,788 22,176 29,406 29,406 29,010 51,295	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,638 80 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103 44,709 30,959 11,810 20,278 18,131 79,770	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 2,4,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491 13,911 13,724	232; 776 23 11; 24 13:3 13:3 15:5 16 16 16 17 17 18 18 18 18 18 18 18 11 11 11 11 11 11	
412 433 444 455 466 477 50 51 51 52 53 55 55 56 60 61 62 63 64 65 66 66 67 70 71 72	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chha Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thau Praek Lieab Praek Lieab	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239 33,684 19,5159 23,948 38,142 19,515 40,116 53,193 52,478 92,789	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 8,688 5,866 1,960 5,07 1,392 16,139 14,018 3,301 2,684 4,007 5,709 3,690 4,354 6,692 3,424 7,294 9,499 10,092 15,727 4,440	414,678 9,329 4,997 4,273 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 6,108 11,429 12,846 18,621 10,813 13,239 21,085 10,788 22,176 29,406 29,010 51,295 13,499	330,315 18,019 18,318 391 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 56 80 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103 44,709 30,959 11,810 20,278 18,131 79,770 14,231	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 24,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491 13,911 13,724	232, 777 2, 11, 2, 13, 13, 14, 2, 2, 11, 1, 21, 18, 4, 4, 3, 3, 5, 7, 7, 4, 4, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	
412 433 444 455 466 477 50 51 52 53 55 55 56 60 61 62 63 64 65 66 67 70 71 72 73	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preack Pra Chbar Ampov Muoy Chhar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Preack Lieab Praek Lieab	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 31,304 18,154 15,567 38,763 23,239 33,684 19,559 23,948 38,142 19,515 40,116 53,193 52,478 92,789 92,789 24,419	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 4,007 5,709 3,690 4,354 6,692 3,424 7,294 9,499 10,092 15,727 4,440	414,678 9,329 4,997 4,273 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 12,846 18,621 10,813 13,239 21,085 10,788 22,176 29,406 29,010 51,295 3,820 3,820	330,315 18,019 18,318 391 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 50 35,105 48,245 1,627 6,103 44,709 30,959 11,810 20,278 18,131 79,770 14,231	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 24,901 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491 13,911 13,724 24,266 6,386 1,807	232, 7770 2, 11, 2, 13, 3, 1, 1, 2, 2, 2, 1, 1, 1, 21, 1, 3, 3, 8, 8, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,	
41 42 43 44 45 50 51 52 53 54 55 56 60 61 62 63 64 65 66 67 70 71 72 73 74	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Vaang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preack Pra Chbar Ampov Pir Chak Angrae Leu Chak Angrae Leu Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phaum Pham Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Lieab Praek Ta Sek Chrouy Changva	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239 33,684 19,559 23,948 38,142 19,515 40,116 53,193 52,478 92,789 24,419 6,910 32,854	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 4,007 5,709 3,690 4,354 4,007 4,354 4,007 1,002 1,003 1,002 1,002 1,002 1,002 1,003 1,002 1,002 1,003 1,002 1,003 1,002 1,003 1,0	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 11,883 13,239 21,085 10,788 22,176 29,406 29,010 51,295 13,499 3,820 18,162	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 80 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103 44,709 30,959 11,810 20,278 18,131 79,770 14,231 5,201 4,600 4,600	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 2,4,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491 13,911 13,724 24,266 6,386 6,386 6,386 6,386 6,386	232, 7776 2, 1, 1, 2, 1, 3, 3, 4, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	
412 433 444 455 466 477 50 51 52 53 554 55 56 67 62 63 64 65 66 67 70 71 71 72 73 74 75	Total of Urbanized Area Dangkao Nouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Sueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chhar Ampov Muoy Chhar Amgor Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaætr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Tila Praek Lieab Praek Chrouy Chamya Chrang Chamreh Muoy Chrang Chrangva Chrang Chaparya	750,130 16,875 9,039 7,730 10,920 59,220 315,358 16,683 4,218 6,738 12,663 4,773 3,226 610,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239 33,684 19,515 40,116 53,193 52,478 92,789 24,419 6,910 32,854 11,573	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 8,688 8,688 5,866 1,960 5,07 1,392 16,139 14,018 3,301 2,684 6,683 4,007 5,709 3,690 4,354 6,692 3,424 7,294 9,499 10,092 15,727 4,440 1,256 6,318 2,104	414,678 9,329 4,997 4,273 3,2737 3,2737 19,546 9,222 2,332 3,725 7,000 2,638 4,783 5,960 1,486 4,001 52,638 44,945 10,035 8,606 21,429 12,846 18,621 10,788 22,176 29,406 29,406 29,010 51,295 13,499 3,820 13,429 3,820 13,429 3,820 13,429 3,820 13,439 3,820 18,162 6,338	330,315 18,019 18,318 391 18,318 39,584 4,635 720 24,444 2,290 876 21,750 51,658 30 35,105 13,607 3,520 48,245 48,245 1,627 6,103 44,709 30,959 11,810 20,278 18,131 79,770 14,231 520 4,600 13,992	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 2,4,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491 13,911 13,724 4,266 6,386 1,807	232, 7770 2, 13, 13, 13, 14, 22, 11, 1, 21, 18, 4, 4, 4, 5, 7, 7, 7, 11, 11, 121, 11, 121, 121, 13, 14, 14, 15, 16, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	
412 433 444 456 477 488 499 500 511 522 533 544 606 61 62 636 64 656 667 70 71 72 73 74 75 76	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chhar Ampov Pir Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Preaek Ieab Praek Ieab Praek Ieab Praek Ieab Praek Ieab Praek Ta Sek Chrony Changva Chrang Changrae Chrang Changva Chrang Channeth Muoy Chrang Channeth Pir	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 4,218 4,218 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239 33,684 19,559 23,948 38,142 19,515 40,116 53,193 52,478 92,789 92,789 24,419 6,910 32,854	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 2,684 6,683 4,007 5,709 3,690 4,354 6,692 3,424 7,294 9,499 10,092 15,727 4,440 1,256 6,318 2,104 4,075	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 5,033 8,606 21,429 12,846 18,621 10,813 13,239 21,085 10,788 22,176 29,406 29,406 29,409 3,820 18,162 6,398 12,389	330,315 18,019 18,318 391 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 80 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103 44,709 30,959 11,810 20,278 18,131 79,770 14,231 520 4,600 13,992 14,231	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 24,901 10,137 6,077 8,869 5,115 6,263 9,975 5,104 10,491 13,911 13,724 24,266 6,386 1,807 8,599 3,026 6,386	232, 7770 2, 11, 2, 13, 3, 1, 1, 2, 2, 2, 1, 1, 1, 21, 1, 1, 2, 1, 4, 4, 4, 4, 4, 4, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,	
412 433 444 445 466 477 50 51 52 53 54 55 55 56 66 66 66 67 70 71 72 73 74 75 76	Total of Urbanized Area Dangkao Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Char Ampov Muoy Chbar Ampov Muoy Chbar Ampov Mio Chak Angrae Leu Chak Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Thla Praek Lieab Praek Ta Sek Chrouy Changva Chrang Chamreh Muoy Chrang Chamreh Pir Kandal Stueng	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 33,684 19,559 23,948 38,142 19,515 40,116 53,193 52,478 92,789 24,419 6,910 32,854 11,573 22,411 6,910	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 3,690 4,354 6,692 3,424 7,294 4,420 11,256 6,318 2,104 4,075	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 1,0035 8,606 21,429 11,0813 13,239 21,085 10,788 22,176 29,010 51,295 13,499 3,820 18,162 6,398 12,389 12,389	330,315 18,019 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 50 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103 44,709 30,959 11,810 20,278 18,131 79,770 14,231 520 4,600 13,992 14,200 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 14,201 15,202 16,203 16,203 16,203 16,203 17,203 18,104 18,1	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 2,4,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491 13,911 13,724 24,266 6,386 6,386 1,807 8,592 3,026 5,861 1,807	232; 776 23 11; 24 13; 13; 3; 4; 14; 25 14; 27 14; 28 29 14; 21; 21; 21; 21; 21; 21; 21; 21; 21; 21	
412 433 444 445 466 477 50 51 52 55 55 56 57 58 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 77	Total of Urbanized Area Dangkao Dangkao Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Situeng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chhar Ampov Muoy Chhar Ampov Muoy Chauf Sangkae Sway Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Tiba Praek Lieab Praek I a Sek Chrouy Changva Chrang Chanreh Pir Kandal Stueng Kang Chanreh Pir Kandal Stueng	750,130 16,875 9,039 7,730 10,920 59,220 315,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239 33,684 38,142 19,515 40,116 53,193 52,478 92,789 24,419 6,910 6,910 32,854 11,573 22,412 23,032 32,632	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 4,007 5,709 3,690 4,354 6,692 3,424 7,294 9,499 10,092 15,727 4,440 1,256 6,318 2,104 4,075 4,421 6,180	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 4,997 1,486 4,001 51,263 1,486 1,035 8,606 21,429 112,846 18,621 10,788 22,176 29,406 29,406 29,010 51,295 13,499 3,820 18,162 6,398 12,389 12,389 12,389 12,389	330,315 18,019 18,318 391 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 30,105 13,607 3,520 6,9228 8,917 35,715 48,245 1,627 6,103 44,709 30,959 11,810 20,278 18,131 79,770 14,231 520 1,922 1,923 1,522 1,409	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,444 2,820 703 1,893 2,4,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491 13,911 13,724 24,266 6,386 1,807 8,592 3,026 5,861 6,023 8,534	232; 776 23 11; 24 13; 13; 3; 5; 11; 22; 14; 14; 15; 24; 16; 17; 18, 18, 18, 18, 11; 11; 11; 11; 12; 12; 14; 15; 15; 16; 17; 17; 18; 18; 18; 18; 18; 18; 18; 18; 18; 18	
412 433 444 456 466 477 515 525 535 545 556 566 661 626 636 647 707 717 727 737 747 757 767	Total of Urbanized Area Dangkao Trapeang Krasang Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Stueng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chha Angrae Kraom Nirouth Khmuonh Tuol Sangkae Svay Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Tiba Praek Lieab	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 33,684 19,559 23,948 38,142 19,515 40,116 53,193 52,478 92,789 24,419 6,910 32,854 11,573 22,411 6,910	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 6,683 3,690 4,354 6,692 3,424 7,294 4,420 11,256 6,318 2,104 4,075	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,960 1,486 4,001 52,638 1,0035 8,606 21,429 11,0813 13,239 21,085 10,788 22,176 29,010 51,295 13,499 3,820 18,162 6,398 12,389 12,389	330,315 18,019 18,318 391 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 80 35,105 13,607 3,520 6,928 8,917 35,715 48,245 1,627 6,103 44,709 30,959 11,810 20,278 18,131 79,770 14,231 520 4,600 13,992 1,522 1,409	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,44 2,820 703 1,893 2,4,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491 13,911 13,724 24,266 6,386 6,386 1,807 8,592 3,026 5,861 1,807	232; 776 23 11; 24 13; 13; 3; 4; 14; 25 14; 27 14; 28 29 14; 21; 21; 21; 21; 21; 21; 21; 21; 21; 21	
412 434 445 466 477 488 499 500 515 55 55 566 61 62 63 64 65 66 67 70 71 72 73 74 75 77 78	Total of Urbanized Area Dangkao Dangkao Kouk Roka Phleung Chheh Rotech Chaom Chau Kakab Pong Tuek Prey Veang Samraong Kraom Prey Sa Krang Thnong Krang Pongro Prateah Lang Sak Sampov Cheung Aek Situeng Mean Chey Boeng Tumpun Preaek Pra Chbar Ampov Muoy Chhar Ampov Muoy Chhar Ampov Muoy Chauf Sangkae Sway Pak Kiloumaetr Lekh Prammuoy Phnum Penh Thmei Ruessey Kaev Tuek Tiba Praek Lieab Praek I a Sek Chrouy Changva Chrang Chanreh Pir Kandal Stueng Kang Chanreh Pir Kandal Stueng	750,130 16,875 9,039 7,730 10,920 59,220 35,358 16,683 4,218 6,738 12,663 4,773 3,226 10,782 2,688 7,238 95,220 81,304 18,154 15,567 38,763 23,239 33,684 19,559 23,948 38,142 19,515 52,478 92,789 24,419 6,910 32,854 11,573 22,412 23,032 23,033 23,239 24,419 6,910	137,526 3,245 1,558 1,405 1,985 10,037 5,993 2,927 796 1,225 2,302 868 586 1,960 507 1,392 16,139 14,018 3,301 2,684 4,007 5,709 3,690 4,354 6,692 3,424 7,294 9,499 10,092 15,727 4,440 1,256 6,318 2,104 4,075 4,421 6,188 10,738	414,678 9,329 4,997 4,273 6,037 32,737 19,546 9,222 2,332 3,725 7,000 2,638 1,783 5,996 1,486 4,001 52,638 44,945 10,035 8,606 21,429 12,846 18,621 10,813 13,239 21,085 10,788 22,176 29,406 29,010 51,295 13,499 3,820 18,162 6,398 12,389 12,389 12,389	330,315 18,019 18,318 391 18,318 391 23,125 42,931 39,584 4,635 720 24,444 2,290 876 21,750 51,658 30,105 13,607 3,520 6,9228 8,917 35,715 48,245 1,627 6,103 44,709 30,959 11,810 20,278 18,131 79,770 14,231 520 1,922 1,923 1,522 1,409	196,170 4,413 2,364 2,021 2,856 15,487 9,247 4,363 1,103 1,762 3,312 1,248 8,444 2,820 703 1,893 2,4,901 21,262 4,747 4,071 10,137 6,077 8,809 5,115 6,263 9,975 5,104 10,491 13,911 13,724 24,266 6,386 1,807 8,592 3,026 5,861 6,023 8,534	232; 776 23 11; 24 13; 13; 3; 5; 11; 22; 14; 14; 15; 24; 16; 17; 18, 18, 18, 18, 11; 11; 11; 11; 12; 12; 14; 15; 15; 16; 17; 17; 18; 18; 18; 18; 18; 18; 18; 18; 18; 18	

Table A10.2-1 Land Use by Traffic Zone (2000)

	Traffic Zone	Total	Land	Residential	Commercial	Industrial	Institution	Parks & Recreation	Open Space	Agriculture& Livestock	Flood Area	Water Surface Area
	Tonle Basak	316	283	131.3	82.9	30.1	21.9	2.9	0.0	13.7	0.0	33.0
2	Boeng Keng Kang Muoy Boeng Keng Kang Pir	100	100 34	61.6 25.4	36.4 8.6	0.0	2.0	0.0	0.0	0.0	0.0	0.0
4	Boeng Keng Kang Bei	64	64	44.8	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Oulampik	30	30	7.3	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Toul Svay Prey Muoy	56	56	39.6	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	Toul Svay Prey Pir	38	38	22.2	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	Tumnob Tuek Tuol Tumpung Pir	82 45	82 45	31.2 24.9	25.4 20.1	0.0	25.4	0.0	0.0	0.0	0.0	0.0
10	Tuol Tumpung Muoy	59	59	40.5	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Boeng Trabaek	49	41	24.1	15.9	0.2	1.0	0.0	0.0	0.0	0.0	8.0
12	Phsar Daem Thkov	86	65	43.4	21.6	0.0	0.0	0.0	0.0	0.0	0.0	21.0
13	Phsar Thmei Muoy	18	18	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	Phsar Thmei Pir	11 34	11 34	0.0 9.7	11.0 20.1	0.0	0.0 4.2	0.0	0.0	0.0	0.0	0.0
15	Phsar Thmei Bei Boeng Reang	38	38	8.6	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	Phsar Kandal Muoy	41	27	2.7	24.1	0.0	0.0	0.2	0.0	0.0	0.0	14.0
18	Phsar Kandal Pir	15	15	4.5	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	Chakto Mukh	111	86	47.4	31.6	0.0	0.0	7.0	0.0	0.0	0.0	25.0
20	Chey Chumneah	77	50	12.3	2.2	0.0	32.3	3.2	0.0	0.0	0.0	27.0
21	Phsar Chas	10 315	10 195	0.0 119.6	7.9 33.2	0.0 7.3	2.1 27.3	0.0 7.7	0.0	0.0	0.0	120.0
23	Srash Chak Voat Phnom	64	55	119.0	15.6	0.0	10.7	10.7	0.0	0.0	0.0	9.0
24	Ou Ruessey Muoy	8	8	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	Ou Ruessey Pir	8	8	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	Ou Ruessey Bei		5	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	Ou Ruessey Buon Monourom	10	10 16	0.0	10.0 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	Monourom Mittapheap	16 40	40	12.3	16.0	0.0	15.6	0.0	0.0	0.0	0.0	0.0
30	Veal Vong	96	91	40.8	50.2	0.0	0.0	0.0	0.0	0.0	0.0	5.0
31	Boeng Prolit	37	36	20.8	12.2	0.0	3.0	0.0	0.0	0.0	0.0	1.0
32	Phsar Depou Muoy	32	32	11.3	20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	Phsar Depou Pir	20	20	11.8	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	Phsar Depou Bei Tuek L'ak Muoy	30 91	30 89	0.0 20.8	20.8	0.0	9.2 37.6	0.0	0.0	0.0	0.0	0.0 2.0
36	Tuek L'ak Pir	44	44	29.5	13.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0
37	Tuek L'ak Bei	113	111	82.9	22.5	5.6	0.0	0.0	0.0	0.0	0.0	2.0
38	Boeng Kak Muoy	160	157	127.0	0.0	24.9	0.0	5.0	0.0	0.0	0.0	3.0
39	Boeng Kak Pir	169	168	144.5	12.7	10.8	0.0	0.0	0.0	0.0	0.0	1.0
40	Phsar Daeum Kor	47 89	47 80	24.6 68.6	22.4 11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0 9.0
41	Boeng Salang Total of Urbanized Area	2,708	2428	1313.9	791.6	79.9	192.3	36.7	0.0	13.7	0.0	280.0
42	Dangkao	1,383	1107	429.1	41.5	54.2	11.4	0.0	0.0	572.7	86.8	189.2
43	Trapeang Krasang	905	905	163.9	0.0	66.8	0.0	88.7	0.0	587.0	0.0	0.0
44	Kouk Roka	3,267	1657	309.4	0.0	0.0	0.0	0.0	0.0	1,356.6	1,341.5	268.5
45	Phleung Chheh Rotech	963	961	253.8	0.0	0.0	0.0	0.0	0.0	710.2	0.0	2.0
46	Chaom Chau Kakab	2,260 888	2260 888	610.1 194.0	62.6 51.8	338.6 385.6	48.2 0.0	0.0	0.0	1,198.0 255.8	0.0	0.0
48	Pong Tuek	1,114	1114	263.7	0.0	0.0	0.6	0.0	0.0	852.7	0.0	0.0
49	Prey Veang	907	902	198.1	0.0	0.0	10.6	0.0	0.0	693.2	0.0	5.0
50	Samraong Kraom	1,219	1219	216.1	0.0	26.8	0.0	151.1	0.0	826.3	0.0	0.0
51	Prey Sa	1,323	1315	250.4	0.0	6.3	0.0	0.0	0.0	1,061.3	0.0	8.0
52	Krang Thnong	660 696	660 653	44.3 129.8	0.0	0.0	0.0	0.0 103.5	0.0	615.7 418.6	0.0	0.0 43.0
54	Krang Pongro Prateah Lang	842	832	129.8	0.0	0.0	10.7	0.0		418.6 686.6		10.0
55	Sak Sampov	586	544	127.5	0.0	0.0	0.0	0.0	0.0	419.5	0.0	42.0
56	Cheung Aek	1,324	753	370.3	0.0	0.0	6.5	0.0		384.1	441.3	129.7
57	Stueng Mean Chey	1,200	1153	376.0	29.9	152.4	0.0	0.0	39.6	552.9	0.0	47.0
58	Boeng Tumpun	443	404	217.1	68.6	13.2 9.0	0.0	0.0	0.0	104.3	0.0	39.0
59 60	Preaek Pra Chbar Ampov Muoy	839 49	254 41	155.6 2.8	7.7 38.1	9.0	0.0	0.0	0.0	81.5 0.0	356.0 0.0	229.0 8.0
61	Chbar Ampov Pir	132	90	28.0	47.7	0.0	0.0	0.0	0.0	14.3	0.0	42.0
62	Chak Angrae Leu	309	86	27.1	12.2	46.4	0.0	0.0	0.0	0.0	105.8	117.2
63	Chak Angrae Kraom	953	156	70.2	0.0	85.8	0.0	0.0	0.0	0.0	523.1	273.9
64	Nirouth	1,161	361	290.3	10.0	0.0	0.0	0.0	0.0	60.6	363.8	420.2
65	Khmuonh Tuol Sangkae	1,991 276	1335 252	356.8 0.0	0.0 37.8	30.1 195.8	0.0 20.1	0.0	0.0	948.1 0.0	527.5 0.0	128.5 24.0
67	Svay Pak	397	208	115.6	0.0	92.4	0.0	0.0		0.0	133.4	55.6
68	Kiloumaetr Lekh Prammuoy	564	459	160.2	8.4	37.0	8.9	0.0	10.2	234.3	51.9	53.1
69	Phnum Penh Thmei	2,055	1644	585.0	19.4	65.2	0.0	0.0		974.4	243.2	167.8
70	Ruessey Kaev	518	399	172.0	8.6	62.5	9.2	0.0	0.0	146.8	20.4	98.6
71	Tuek Thla	674 2,013	674 1150	134.0	45.0 75.7	269.0 9.6	0.0	0.0	227.4 0.0	0.0 801.1	0.0 245.8	0.0 617.2
73	Praek Lieab Praek Ta Sek	2,013 1,511	853	263.6 109.6	0.0	9.6	0.0	0.0	0.0	743.4	245.8 455.6	202.4
7.3	Chrouy Changva	962	514	197.4	10.8	0.0	0.0	0.0	0.0	305.8	0.0	432.0
75	Chrang Chamreh Muoy	230	188	146.8	0.0	41.2	0.0	0.0	0.0	0.0	29.3	12.7
76	Chrang Chamreh Pir	414	274	183.2	0.0	30.9	0.0	0.0	14.2	45.7	96.0	44.0
77	Kandal Stueng	1,945	1804	167	0	0	0	0		1,653	0	141
78 79	Kien Svay Ta Khmau	2,462 1,295	1469 953	486 366	0 74	22 17	56	28 10		932 391	423 213	556 130
80	(Airport area)	454	454	0.0	0.0	0.0	454.0	0.0	0.0	0.0	0.0	0.0
	Total of Suburban Area	41,184	30945	8307.6	650.0	2058.6	636.0	381.3	330.4	18,626.8	5,657.4	4,536.0
	Ground Total	43,892	33,373	9,621	1,442	2,139	828	418	330	18,641	5,657	4,816

Table A10.2-1 Land Use by Traffic Zone (2015)

Traffic Zone		Total	Land	Residential	Commercial	Industrial	Institution	Parks & Recreation	Open Space	Agriculture& Livestock	Swamp Area	Water Surface Area
1	Tonle Basak	316	283	131.3	82.9	30.1	21.9	2.9	0.0	13.7	0.0	33.0
2	Boeng Keng Kang Muoy	100	100	61.6	36.4	0.0	2.0	0.0	0.0	0.0	0.0	0.0
	Boeng Keng Kang Pir	34	34	25.4	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Boeng Keng Kang Bei	64	64	44.8	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Oulampik	30	30	7.3	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Toul Svay Prey Muoy Toul Svay Prey Pir	56 38	56 38	39.6 22.2	16.4 15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Tumnob Tuek	82	82	31.2	25.4	0.0	25.4	0.0	0.0	0.0	0.0	0.0
	Tuol Tumpung Pir	45	45	24.9	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Tuol Tumpung Muoy	59	59	40.5	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Boeng Trabaek	49	41	24.1	15.9	0.2	1.0	0.0	0.0	0.0	0.0	8.0
	Phsar Daem Thkov	86	65	43.4	21.6	0.0	0.0	0.0	0.0	0.0	0.0	21.0
13	Phsar Thmei Muoy	18	18	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	Phsar Thmei Pir	11	11	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	Phsar Thmei Bei	34	34	9.7	20.1	0.0	4.2	0.0	0.0	0.0	0.0	0.0
16	Boeng Reang	38	38	8.6	29.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	Phsar Kandal Muoy	41	27	2.7	24.1	0.0	0.0	0.2	0.0	0.0	0.0	14.0
	Phsar Kandal Pir	15	15	4.5	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Chakto Mukh	111	86	47.4	31.6	0.0	0.0	7.0	0.0	0.0	0.0	25.0
	Chey Chumneah	77	50	12.3	2.2	0.0	32.3	3.2	0.0	0.0	0.0	27.0
	Phsar Chas	10	10	0.0	7.9	0.0	2.1	0.0	0.0	0.0	0.0	0.0
	Srash Chak Voat Phnom	315 64	195 55	119.6 18.0	33.2 15.6	7.3 0.0	27.3 10.7	7.7 10.7	0.0	0.0	0.0	120.0
	Ou Ruessey Muoy	8	8			0.0					0.0	
		8	8	0.0	8.0 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ou Ruessey Pir Ou Ruessey Bei	5	5	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ou Ruessey Buon	10	10	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Monourom	16	16	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mittapheap	40	40	12.3	12.1	0.0	15.6	0.0	0.0	0.0	0.0	0.0
	Veal Vong	96	91	40.8	50.2	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	Boeng Prolit	37	36	20.8	12.2	0.0	3.0	0.0	0.0	0.0	0.0	1.0
32	Phsar Depou Muoy	32	32	11.3	20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	Phsar Depou Pir	20	20	11.8	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Phsar Depou Bei	30	30	0.0	20.8	0.0	9.2	0.0	0.0	0.0	0.0	0.0
	Tuek L'ak Muoy	91	89	20.8	30.3	0.3	37.6	0.0	0.0	0.0	0.0	2.0
	Tuek L'ak Pir	44	44	29.5	13.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0
	Tuek L'ak Bei	113	111	82.9	22.5	5.6	0.0	0.0	0.0	0.0	0.0	2.0
	Boeng Kak Muoy	160	157	127.0	0.0	24.9	0.0	5.0	0.0	0.0	0.0	3.0
	Boeng Kak Pir Phsar Daeum Kor	169 47	168 47	144.5 24.6	12.7 22.4	10.8	0.0	0.0	0.0	0.0	0.0	0.0
	Boeng Salang	89	80	68.6	11.4	0.0	0.0	0.0	0.0	0.0	0.0	9.0
	Total of Urbanized Area	2,708	2428	1,313.9	791.6	79.9	192.3	36.7	0.0	13.7	0.0	280.0
42	Dangkao	1,383	1107	560.0	51.5	54.2	11.8	2.5	0.0	428.9	86.8	189.2
	Trapeang Krasang	905	905	361.9	10.0	106.8	0.4	89.9	0.0	337.4	0.0	0.0
	Kouk Roka	3,267	1657	386.5	12.0	0.0	0.4	15.0	0.0	1,252.1	1,341.5	268.5
45	Phleung Chheh Rotech	963	961	363.8	10.0	250.0	0.4	15.0	0.0	324.8	0.0	2.0
46	Chaom Chau	2,260	2260	940.1	93.6	565.0	48.6	8.0	0.0	603.2	0.0	0.0
	Kakab	888	888	354.0	64.8	400.0	0.4	4.4	0.0	63.7	0.0	0.0
	Pong Tuek	1,114	1114	329.6	12.0	44.0	1.0	12.0	0.0	718.4	0.0	0.0
	Prey Veang	907	902	209.1	10.0	0.0	10.9	10.0	0.0	661.8	0.0	5.0
	Samraong Kraom	1,219	1219	232.3	12.0	243.0	0.4	161.1	0.0	571.5	0.0	0.0
	Prey Sa	1,323	1315	371.4	10.0	56.3	0.4	10.0	0.0	869.9	0.0	8.0
	Krang Thnong	660 696	660 653	64.3 189.8	10.0	0.0	0.4	0.4 103.8	0.0	585.0 348.0	0.0	43.0
	Krang Pongro Prateah Lang	842	832	189.8 307.6	10.0	210.0	0.4 11.1	103.8	0.0	348.0 286.2	0.0	10.0
	Sak Sampov	586	544	132.4	10.0	0.0	0.4	5.0	0.0	399.2	0.0	42.0
	Cheung Aek	1,324	753	343.5	10.0	40.0	6.9	19.0	0.0	341.5	441.3	129.
	Stueng Mean Chey	1,200	1153	800.0	69.9	200.0	0.4	23.0	39.6	17.9	0.0	47.0
	Boeng Tumpun	443	404	299.4	79.6	13.2	0.4	10.7	0.0	0.0	0.0	39.0
59	Preaek Pra	839	254	221.8	12.7	9.0	0.4	9.9	0.0	0.0	356.0	229.0
	Chbar Ampov Muoy	49	41	2.8	38.1	0.0	0.0	0.0	0.0	0.0	0.0	8.0
	Chbar Ampov Pir	132	90	40.4	48.7	0.0	0.4	0.5	0.0	0.0	0.0	42.0
	Chak Angrae Leu	309	86	27.1	12.2	46.4	0.0	0.0	0.0	0.0	105.8	117.
	Chak Angrae Kraom	953	156	70.2	0.1	85.8	0.0	0.0	0.0	0.0	523.1	273.5
	Nirouth	1,161	361	319.8	20.0	45.0	0.4	18.0	0.0	140.7	180.8	420.
	Khmuonh Tuol Sangkae	1,991	1335 252	460.4 0.0	15.0 37.8	80.1 195.8	0.4 20.0	25.5 0.0	0.0	753.6	527.5 0.0	128.:
	Svay Pak	276 397	252	115.6	0.0	195.8 92.4	0.0	0.0	0.0	0.0	133.4	55.0
	Kiloumaetr Lekh Prammuoy	564	459	397.0	37.1	37.0	9.6	20.0	10.2	0.1	0.0	53.
	Phnum Penh Thmei	2,055	1644	810.0	54.4	110.2	0.4	30.0	0.0	639.0	243.2	167.
	Ruessey Kaev	518	399	307.9	32.6	62.5	9.5	6.9	0.0	0.0	0.0	98.
	Tuek Thla	674	674	304.7	50.0	309.0	0.4	2.0	9.3	0.0	0.0	0.0
	Praek Lieab	2,013	1150	390.6	85.7	9.6	0.4	3.2	0.0	660.6	245.8	617.
	Praek Ta Sek	1,511	853	122.2	10.0	0.0	0.4	5.0	0.0	715.4	455.6	202.
74	Chrouy Changva	962	514	341.2	22.8	0.0	0.4	7.0	0.0	142.7	0.0	432.
7.5	Chrang Chamreh Muoy	230	188	146.8	0.0	41.2	0.0	0.0	0.0	0.1	29.3	12.
	Chrang Chamreh Pir	414	274	218.8	7.8	30.9	0.4	2.0	14.2	0.0	96.0	44.
	Kandal Stueng	1,945	1804	254.0	15.0	50.0	0.4	20.0	0	1,480.1	0	14
	Kien Svay	2,462	1469	593.0	15.0	72.3	0.4	47.9	0	739.5	423	55
	Ta Khmau (Airport area)	1,295 454	953 454	610.3	99.2 0.0	37.3 0.0	58.3 454.0	20.2	39 0.0	88.3	212.6	0.0
- 00	(Airport area) Total of Suburban Area	41,184	30945	12,000	1,100	3,497	454.0 650	0.0 718	112	0.0 13,170	0.0 5.402	4,53
-	Total of Suburban Area Ground Total	41,184	33,373	12,000	1,100	3,497	842	718	112	13,170	5,402 5,402	4,53
1	Ground Total	45,892	22,3/3	13,314	1,891	3,5//	842	/54	112	13,184	3,402	4,81

Table A10.3 Number of Household, Population and Household Size by Traffic Zone (2000-2015)

		1	7 01 110	1998		1	2010			2005		1	2010			2013)		
Traffic Case Code	Pagulation Census Code	Dárteict/ Conuncions	Number of Household	Population	Household Size	Number of Household		Mosnehold Size	htumber of Hossebols		Household Size	Number of Housekold	Population	Howethald Sign	t-lumber of Havesbold		Plowethol Size	
	0101	Turie Encalc	8,823	44,513	5.05	9,331	46,084	4.86	10,260	51,012	4.87	11,316	53,039	4.78	12,313	57,167	4.3	
	0102	Boeng Keng Kang Muoy Boeng Keng Kang Pir	2,403 2,049	14,405	5.98 5.88	2,511	14,913	5.94	2,769 2,559	11,114	5.84 5.68	3,837	17,455 16,310	5.77	3,285	18,727	5.7 5.5	
	0104	Boeng Keng Kang Dei	3,841	22,701	5.91	9,117	24,035	5.14	4,809	27,374	5.69	5,380	30,712	5.56	191,0	34,850	55	
	0105	Outemptit:	1,549 2,208	9,799	6.33 6.15	1,631 2,348	10,375 14,214	6.17	2,012 2,6T2	11,816	5.87	3,342	13,257 17,408	5.66 5.80	2,672 3,334	14,499	55	
	0107	Two Sway Prey Muoy Two Sway Prey Pur	1,793	11,580	6.46	1,941	12,271	6.31	2,310	13,975	6.05	2,610	15,579	5.85	3,050	[7,384	5.7	
	0103	Tenarob Toek	2,334	13,721	5.88	2,428	14,204	5.85	2,661	15,415	5.79	2,885	16,625 9,807	534	3,129	17,136	5.7	
	0102	Tuol Tumpung Fir Tuol Tumpung Muoy	1,371	3,594	6.27	1,423	8,796 10,667	6.15	1,551	11,210	5.98	1,61D 2,841	11,893	5.84 5.83	1,809	13,506	5.7	
	Ditt	Borng Trabuck	1,558	9,452	6.07	1,624	9,786	6.01	1,789	18,610	5.94	1,354	11,454	5.86	2,119	13,388	5.8	
	0112	Phone Duen Thère Phone Three Mary	2,760 1,234	7,447	5.89	1,311	7,623	5.16	3,150 1,500	10,266	5.80	1,715	19,701	5.75	3,708	11,135	5.7	
	0303	Phone Throm Por	1,305	7,771	5.95	1,361	7,054	5.84	1,506	1,411	5.58	1,650	2,863	5.38	1,793	8,325	5.0	
	0203	Phone Three Bet Boeng Rosan	2,275 1,273	7.714	5.78	1,337	7,980	5.97	2,565	14,217	5.55 5.18	1,771	9,348	5.42 5.63	1,823	15,785	53	
	0205	Phoar Kandai Muoy	1,575	11,223	6.18	1,867	11,355	CH	1,993	11,815	5.86	2,119	13,015	5.67	2,345	11,145	33	
	0206	Photo Kandal Per	1,352	7,954	5,88	1,387	8,048	5.88	1,475	1,212	5.61 5.64	1,563	8,515	5.45	1,651	1,749	5	
	0207	Chalcio Miskh Chey Chomarsh	2,171	12,501	5.76 6.48	2,218	12,648 13,011	6.34	2,307 2,110	13,016	6.03	1,483	13,383	5.57 5.75	2,500	13,751	55	
	0209	Phsar Chas	1,387	8,287	5.91	1,411	8,336	5.13	1,467	1,458	5.76	1,515	8,579	5.63	1,582	1,781	55	
	0210	Starth Chale Vest Phrom	5,945 1,441	34,115	5.74	6,095 1,478	34,516 8,870	5.66 6.16	6,469 1,510	35,510 9,138	5.49 5.82	6,843	36,523 9,386	5.34 5.65	7,217	37,527 5,644	53	
	030t	Du Ruessey Musy	1,621	9,121	5.63	1,671	9,335	5.56	1,820	9,871	5.42	1,962	10,408	5.30	2,105	11,544	5.	
	0302	Du Raistrey Per Du Raistrey Bei	1,874	8,514	5.72 5.69	1,938	10,974 8,719	5.66 5.61	2,102 1,691	4,311	5.52 5.45	1,345	9,733	5.40	1,966	13,166	5.5	
	0304	Du Rosecosy Burn	1,569	9,121	5.81	1,637	0,333	5.24	1,373	1,814	5.57	1,910	10,411	5.42	3,066	11,148	5.	
	0305	Monourem	2,212	12,981	5.87	2.291	13,296	5.78	2.511	14,050	5.59	1,715	14,814	5.44	2,939	15,577	5	
	0308	Mitaphesp Vesi Vong	2,170 3,684	21,323	5.68 5.61	2,201 3,915	12,395 22,401	5.92 5.72	2,252	12,577 24,916	5.51 5.54	2,362 5,873	12,750 27,435	5.40 5.41	2,44E 5,65E	12,539	5.	
	0308	Borng Prolit	1,901	12,011	6.32	2,037	12,575	1.17	2,317	13,915	5.88	1,717	15,401	5.67	3,057	14,134	33	
	0401	Phsar Depou Mary Phsar Depou Pir	1,645	10,391	6.32 5.69	1,741	10,765 10,477	5.67	1,980	11,612	5.90 5.60	2,219	12,600	5.68	2,458	13,517	5:	
	0403	Phsar Depou Be.	1,600	10,031	5.91	1,761	10,333	5.85	1,939	11,071	5.71	2,110	11,809	5.60	2,281	13,548	5:	
	0404	Turk L'ak Muoy	2,362	13,401	5.67 6.55	1,801	13,795	5.66 6.43	2,621	14,711	5.64 6.18	2,316	15,766	5.62 5.97	2,991 2,424	16,751	5:	
	0406	Tude L'alk For Tude L'alk Bo	1,718 2,936	17,232	5.89	3,011	17,689	5.87	3,199	11,415	5.85	2,216 3,387	19,722	5.82	3,576	14,859 26,738	5	
	0407	Boung Kak Morry	2,587	16,423	6.35	3,048	18,935	6.21	4,203	25,214	6.00	5,358	31,494	5.88	6,513	17,773	5.	
	0403	Boeng Kak Pir Phoar Doesta Kar	4,260 2,658	25,177	5.91	4,671 2,841	27,547 16,939	5.88 5.86	5,723 3,297	33,471 19,292	5.85 5.85	6,768 3,754	39,395	5.82 5.77	7,214 4,210	45,310 33,597	5	
	0410	Boeng Salang	4,535	24,761	5.46	4,046	25,496	3.49	4,904	27,316	5.57	5,188	29,139	5.64	5,432	31,560	- 3	
	0501	Denghao Trayeng Krasang	2,035	3,013	5.18 5.44	2,177 671	11,291 5,722	5.1.9 5.54	2,533 968	13,133	5.19 5.68	1,889	15,014 T,267	5.20 5.75	3,245 1,558	5,139	5.	
	0503	Krok Rolso	1,068	5,153	4.53	1,101	5,456	4.93	1,207	6,214	5.15	1,316	6,972	5.34	1,405	7,730	33	
	0504	Phleung Chibel. Rotels	695	3,641	5.24	347	4,496	5.31	1,276	8,638	5.41	1,616	8,779	5.47	1,985	18,820	5:	
	0505	Chaom Chau Kalab	3,305	17,671	5.81 5.55	4,178 3,514	24,385	5.84 5.61	6,130 4,341	35,986 34,959	5.87 5.75	8,884 5,167	4T,608 30,158	5.89 5.84	10,037 5,993	58,320 35,358	5	
	0507	Pong Turk	1,053	5,561	5,28	1,273	6,869	5.38	1,825	13,141	5.56	3,376	13,412	5.65	2,927	11,183	5.	
	0503	Prey Veacag Samraong Kraom	563 810	3,013	5.35 5.20	598 858	3,155 4,508	5.34 5.25	659 981	3,589 5,251	5.33	727	3,864 5,994	5.31 5.43	1,225	4,118 6,738	5.	
	0510	Proy Su	892	4,221	4.73	1,051	5,214	4.93	1,473	7,687	5.23	1,888	10,180	5.39	2,302	11,663	5.5	
	0511	Emag Throng	564	2,931	5.29	601	3,194	5.33	629	1,710	5.40	778	4,246	5.46	268	4,333	55	
	0512	Krang Pongro Prateah Lang	461 765	3,594	4.37 4.70	47s	2,158 4,440	4.54	513 1,257	3,514 3,554	4.90 5.21	550	2,870 3,568	5.22 5.39	586 1,960	1.126	5:	
	0514	Sak Sampov	412	1,921	4.00	423	2,010	4.75	451	2,216	4.96	479	2,462	5.14	507	7,688	33	
	0515	Choung Ads Strong Mess Chey	1,114 5,552	31,741	4.64 5.72	6,791	5,413 39,208	4.72 5.77	9,911	57,879	4.90	1,310	6,630 76,549	5.88	1,392	7,138 95,120	5.	
	0602	Boeng Tumpun	5,150	29,037	5.64	6,193	35,186	5.60	8,801	51,559	5.74	11,410	65,931	5.78	14,018	\$1,304	5.	
	D603 D604	Preside Pra	1,069	11,346	5.76	2,126	12,147	5.71 5.8L	2,517	14,149	5.62	7,119	16,151	5.55 5.82	3,301	11,154	5:	
	0604	Citizar Assignor Muny Citizar Assignor Per	1,754 4,428	10,374	5.92 5.47	1,863	25,937	5.53	2,137 5,357	12,515 31,212	5.86 5.64	1,410 6,810	14,04L 34,488	5.73	2,684 6.683	31,763	3	
	0606	Chalc Angrar Leu	2,913	16,591	5.70	3,041	17,380	5.71	3,363	18,333	5.15	1,615	21,286	5.78	4,007	13,139	51	
	0607 0603	Chale Angrae Kraoen Newath	3,151 2,526	19,814	6.29 5.53	3,451 2,663	21,446	6.21 5.48	4,204 3,005	25,515 16,272	6.07 5.41	4,857 3,348	29,604 17,916	5.97 5.38	5,709	18,550	53	
	0701	Ehresonh	1,120	5,937	5.35	1,501	8,100	5.41	2,452	13,313	5.46	1,413	18,665	5.40	4,354	11,548	5.5	
	0702	Two Sangkae	4.691 2.160	27,244	5.81	4,926	28,526	5.79	5,515	31,731	5.75	6.183	34,936	5.72	6,692 : 3,424	31,142	5.	
	0704	Sway Pak Kiloumaetr Leith Prummary	2,160	13,372	5.65 5.65	2,946	15,058 16,518	5.81	4,395	24,314	5.67	5,152 5,144	17,363 32,350	5.52	7,394	48,315	3	
	0705	Phrom Peah Three	3,191	17,731	5.56	3,931	21,903	5.57	5,788	32,333	5.59	7,544	43,763	5.59	9,499	57,193	5	
	0705	Risestey Klaev Twee This	3,309 5,494	33,131	5.66 6.03	4,107	22,711 40,157	5.53	6,102 9,708	32,633 57,781	5.35 5.94	12,717	42,555 75,245	5.26 5.92	10,092	51,478 11,780	5	
	0703	Prack Lisab	1,733	10,617	6.13	2,051	12,241	5.93	2,848	16,380	5.72	3,644	20,360	5.50	4,440	34,419	5	
	0709	Prack Ta Sek Chrony Changva	914 2,974	4,936	5.40	954 3,367	5,168 18,360	5,41 5,45	1,055	5,749 23,181	5.45 5.33	1,156 5,335	6,330	5.48 5.25	1,256 6,318	6,51D 31,854	5	
	0711	Chrang Charuch Musy	1,308	7,233	5.53	1,401	7,244	5.51	1,636	9,010	5.51	1,870	10,296	5.51	2,104	11,573	5	
_	0712 0801	Chrang Charush Per	2,114	12,451	5.80 4.85	1,915	13,623 9,475	5.81 4.85	2,921	16,553	5.67	3,452	19,482	5.57	4,075	11,412	5.	
	0803	Kandal Storing Earn Sway	4,583	7,661	5.13	4,708	24,215	5.15	5,193	37,010	5.20	3,516 5,687	29,836	5.25	4,421 6,180	13,832 31,632	5	
	1180	Ta Khmeu	5,949	32,696	5,50	6.51.1	36,190	5.56	7,921	44,916	5.67	3,330	53,662	5.75	10,738	61,198	- 5	
	0516	(Amint Area)	0		-		. 0		0)		-	0	0	-	0	- 0	-	
	8100	Charakter Mon	32,366	187,082	5.78	34,098	194,942	5.72	38,429	214,592	5.58	43,760	234,241	5.48	47,092	257,891	5.	
	0200	Descri Penh	22,383	131,913	5.94	22,861	133,880	5,85	24,529	138,550	5.65	26,190	143,191	5.47	27,851	148,832	5.5	
	0300	Prampir Makikara	16,529	96,192	5.82	17,249	99,824	5.74	19,050	106,103	5.57	20,851	113,183	5.43	22,653	120,263	5.	
	8400	Tuel Keek	26,198	154,968	5.92	27,814	163,554	5,88	31,853	185,011	5.81	35,892	286,481	5.15	39,931	221,845	9.	
ntral		Subtotal	91,296	570,155	5.86	102,029	591,329	5.80	113,861	644,263	5.66	125,694	691,196	5.55	137,526	750,130	5.	
	1200	Dongkae	17,565	92,461	5.26	19.821	306,071	5.55	25,481	140,098	5.50	31,135	174,124	5.59	76,788	285,150		
	0000	Mean Chey	27,443	157,112	5.13	30,830	176,921	5,74	39,297	226,444	5.16	47,764	275,966	5.78	56,231	325,489	5	
	0700	Russey Kasy	31,374	180,076	5.74	36,539	308,108	5.70	49,451	278,188	5.63	62,362	348,268	5.58	75,274	418,349	5	
	1800	Kamdad	12,033	63,456	5.21	13,128	69,880	5.32	15,865	85,941	5.42	18,602	102,001	5.48	21,330	118,862	5.5	
hurb		Subtotal	88,415	493,105	5.58	100,323	560,980	5.99	130,093	730,610	5.62	159,863	990,300	5.63	189,633	1,070,050	5.	
130		Total	185,711	1,063,260	5.73	102,352	1,152,300	5.69	243,954	1,374,933	5.64	285,55T	1,591,556	5.59	327,150	1,820,180	5.	
nen Pe	nh da	Subtotal	113,618	100,000	5.76	189,224	1,082,429	5.72	228,880	1,288,992	5.65	266,955	1,495,555	5.60	305,820	1,702,118	5.5	

APPENDIX 14 ROAD DEVELOPMENT PLAN

APPENDIX 14 ROAD DEVELOPMENT PLAN

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A14 ROAD IMPROVEMENT PLAN

A14.1 CONSTRUCTION OF MISSING LINKS

The urban road network in the Study Area is well developed and does not need large scale construction of a new street. The following two projects are proposed as the construction of missing links.

(1) Connection between Tuol Kork Residential Area and Russian Blvd.

Presently, there are only three streets connecting the residential area in Tuol Kork District, on the west of Boeng Kak Lake, and the center of the urbanized area; Kim Il Sung Blvd and Inner Ring Road (St.598). The traffic concentrates on these streets and these streets are congested especially during peak hours. There is a minor street from Russian Blvd to Tuol Kork residential area, which scarcely allows passage of 4-wheel vehicles, about 800 m east to the intersection with Kim Il Sung Blvd, where J. Nerhu Blvd intersects Russian Blvd (Figure A14.1-2).

Because of its narrowness, this road cannot shoulder the traffic on Kim II Sung Blvd and Inner Ring Road. By Year 2015, the VCR on these three (3) streets exceeds the critical value of 1.5. To disperse the traffic on these streets, the existing narrow street is proposed to be widened to full 4-lane street. In addition, a new street is proposed to be extended, traversing the west coast of Boeng Kak Lake. The proposed street is also expected to allow the traffic coming from the west of the urbanized area to detour to the eastern section of the Inner Ring Road (Street No. 70).

(2) Shortcut Between Preah Monivong Blvd and Inner Ring Road

When Project Road No. A12, Tumpum Dike Road will be improved, large volume of traffic is expected to flow from Preah Monivong Blvd to Inner Ring Road. Present intersection of Monivong Blvd and Inner Ring Road has very small intersecting angle, and it is very hard to turn. To mitigate this problem and also to shorten the travel time between Monivong Blvd and Tumpum Dike Road, a new street is proposed to be constructed on the west side of "Mekong Committee" building (Figure A14.1-3). This street is expected to encourage diversion of the traffic on the route of S. Monireth Blvd - Toll Road to Tumpum Dike Road – Monivong Blvd route.

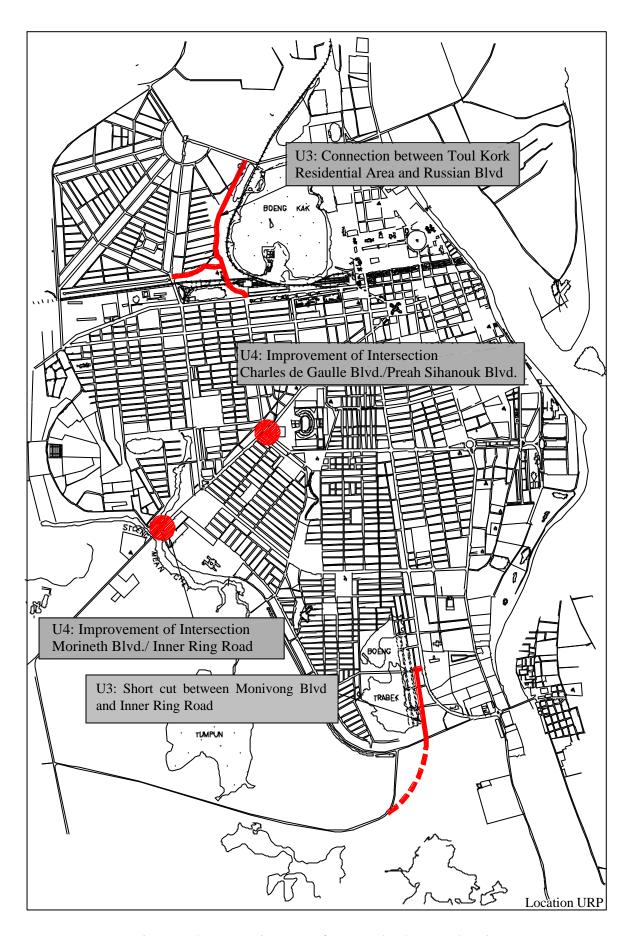


Figure A14.1-1 Location Map of Proposed Urban Road Project

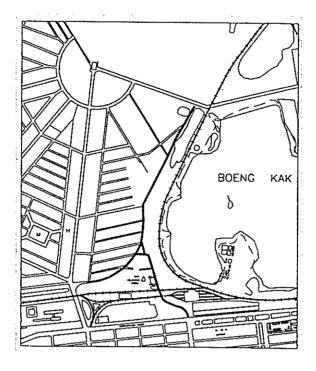


Figure A14.1-3 Shortcut between Preah Monivong Blvd and Inner Ring Road

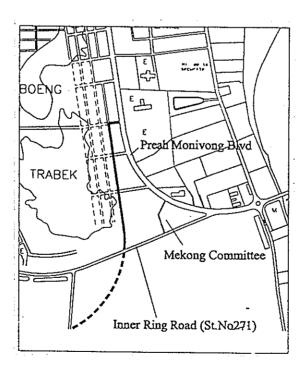


Figure A14.1-2 Connection Between Tuol Kouk Residential Area and Russian Blvd

A14.2 IMPROVEMENT OF INTRSECTION

There are several intersections with undesirable configuration. Here, two (2z9 intersections are proposed to be improved.

(1) Intersection in front of Olympic Stadium

This is the intersection of Samdach Preah Sihanouk Blvd and Charles de Gaulle Blvd. This is a roundabout-type intersection and the rotary island is located eccentric. Traffic congestion is occurring, especially during peak hours, and is expected to be amplified as the traffic volume increases. Improvement of this intersection can be done with relatively small work; move the rotary island to the proper position (to coincide with the center line of the street). (Figure A14.2-1)

(2) Intersection of Samdach Monireth Blvd and Inner Ring Road

This intersection is a staggered intersection. It is not bottleneck at present, but when the Inner Ring Road will be improved and the traffic volume on the Inner Ring Road will increase, this intersection will become a serious bottleneck. Also, the Seung Mean Chey Bridge which is close to this interchange is proposed to be improved to relieve the present traffic congestion. Without improvement of this intersection, the congestion on the bridge will not be reduced. Therefore, it is proposed to improve this intersection at same time with the improvement of the Inner Ring Road and/or Steung Mean Chey Bridge. (Figure A14.2-2)

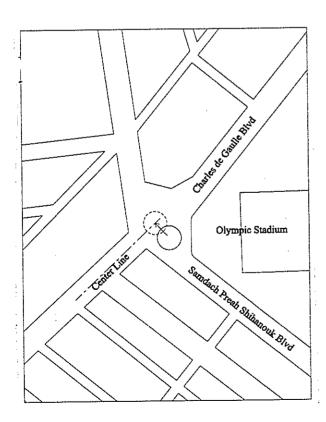


Figure A14.2-1 Improvement of Intersection in front of Olympic Stadium

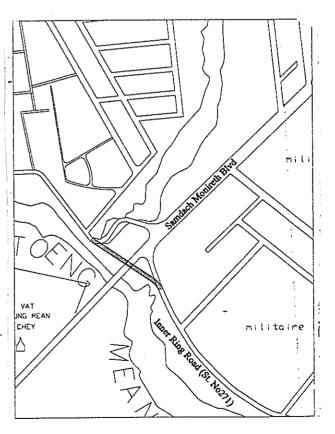


Figure A14.2-2 Improvement of Intersection of Monireth Blvd and Inner Ring Road

A14.3 DESCRIPTION OF SUBURBAN ROAD PROJECTS

In contrast to the urban road network, suburban road network is undeveloped and incomplete. To solve the problems of the suburban rod network, thirty-eight (38) projects are proposed. Table A14.3-1 show the list of the proposed suburban road projects. Figure A14.3-1 shows the location of the project roads. The outlines of the Projects are described in the following pages.

Table A14.3-1 List of Proposed Road Project

	Taon	JA14.5-1	Present Condition		Proposed Improvement		
No.	Road Name	Length (km)	Present Condition		Proposed Improvement		
			No. of	Surface	No. of	Surface Condition	Type of
		()	Lanes	Condition	Lanes	*	Target**
Arterial Road							
A1	Inner Ring Road	13.9	2	Improved, destroyed	2	AC	N
A2	Outer Ring Rd sec-1	8.6	0	New construction	2	AC	N
A3	Outer Ring Rd Sec-2	13.4	2	Gravel/Earth	2	AC	N
A4	Outer Ring Rd Sec-3	3.7	2	Gravel/Earth	2	AC	D
A5	Outer Ring Rd Sec-4	2.0	0	New construction	2	AC	D
A6	Outer Ring Rd Sec-5	8.8	2	Gravel/Earth	2	AC	N
A7	Outer Ring Rd Sec-6	11.2	0	New construction	2	AC	N
A8	Northern New Trunk Road	11.0	2-1	Laterite/Earth	2	AC	D
A9	Southern New Trunk Rd	7.4	0	New construction	4	AC	D
A10	Phnom Penh Thmei Rd-1	3.0	2	Gravel/Laterite	4	AC	D
A11	Phnom Penh Thmei Rd-2	4.3	2 (Part. 0)	Gravel/Laterite	4	AC	D
A12	Tumpum Dike Rd	4.2	2	Gravel/Earth	4	AC	D
A13	Cheung Aek Bypass	10.3	2	Gravel/Earth	4/2	AC	C
	Sub Total	101.8			-, -		
Collector Road							
C1	Russei Kaev Bypass	6.6	2	Gravel/Earth	4	AC	С
C2	Khmuonh Rd	9.2	2	Earth	2	AC	N
C3	Tang Krasang Rd	8.4	2 - 0.5	Gravel/Earth	2	AC	N
C4	Krang Thnong-Dei Thmei Rd	9.0	2-0.5	Laterite/None	4	AC	D
C5	Northbridge Rd	6.9	0	New construction	2	AC	D
C6	Trapeang Rumchek Rd	4.5	2	Gravel/Earth	2	AC	N
C7	Prey Sa Rd	7.3	2-1	Gravel/Earth	2	AC	N
C8	Tuol Sambo Rd	1.8	2	Gravel/Earth	2	AC	N
C9	Phnom Penh-Kandal Bypass	4.8	0	New construction	2/4	AC	C
C10	Preaek Pra Rd	6.7	2-1	AC, Damaged/Earth	2	AC	N
C11	Veal Sbov Bypass	7.1	0	New construction	2	AC	С
	Sub Total	70.1					
Major Local Road							
L1	Russei Kaev Rd	2.2	2 – 1	Gravel/Earth	2	AC	D
L2	Tuol Sangkae Rd	7.1	2 – 1	Gravel/Earth	2	AC	D
L3	Samarong Rd	4.3	0	New construction	2	AC	N
	Poung Peay Rd	3.6	0	New construction	2	AC	D
L5	Dei Thmei Rd	2.1	2 - 1	Gravel/Earth	2	AC	D
L6	Kouk Chambak Rd	3.5	2 - 1	Gravel/Earth	2	AC	D
L7	Trapeang Chrey Rd	6.0	0	New construction	2	AC	D
L8	Prey Tea Rd	3.6	0	New construction	2	AC	D
	•			Gravel/Earth/			
L9	Ou Baek Kaam Rd	3.0	2 (Part. 0)	New construction	2	AC	D
L10	Boeng Krop Rd	1.6	2-1	Gravel/Earth	4	AC	C
L11	Chaom Chau Rd	1.5	2 - 1	Gravel/Earth	2	AC	D
L12	Krang Pongro-Sak Sampov -Baku Rd	13.9	1 - 0.5	Gravel/Earth	2	AC	N
L13	Tuol Kei Rd	4.1	2 - 1	Gravel/Earth	2	AC	N
L14	Preah Ponlea Rd	2.6	2-1	Gravel/Earth	2	AC	C
	Sub Total	59.1					
Total 231.1							
* AC: Asphalt Concrete ** Type of Target: C: Congestion A lleviation N: Network Formation D: Development Promotion							

^{*} AC: Asphalt Concrete ** Type of Target: C; Congestion Alleviation N; Network Formation D; Development Promotion

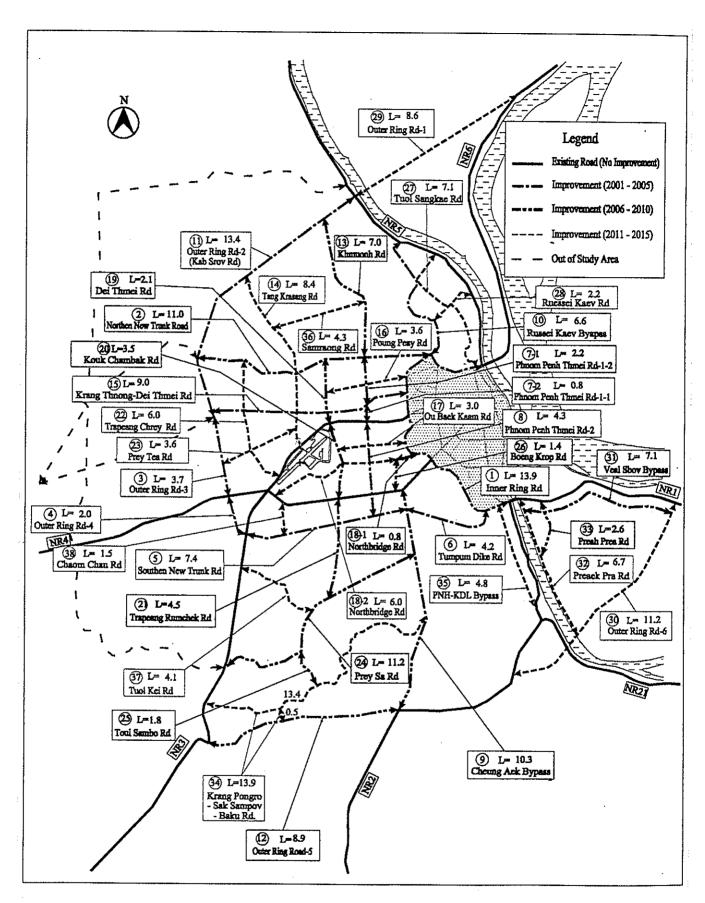


Figure A.14-3-1 Location Map of Project Road

(1) Arterial Road

A1: Inner Ring Road (IRR)

This road is very important arterial both in the urban and suburban road networks. Nevertheless, the present surface condition is very poor. The travel speed on this road is in the proximate of 20 km/hr. There are several important public facilities including two (2) major hospitals where major portion of the existing ambulance vehicles in the City are stationed, two (2) major schools, and pumping stations to protect the urbanized area from flooding. Improvement of pavement is urgent requirement. The both sides of the road is densely populated, and relocation of these houses becomes necessary if this road is to be widened to full four (4) lanes. This relocation is expected to give considerably large social impact. It is proposed to improve pavement for 2 lanes urgently and widen after 2015 when the traffic volume approaches 20,000 veh/day levels. Because the roadside is densely populated, land acquisition may not be easy, and, thus, early start of the action to acquire the additional right of way needed for 4-lane is recommended so that the works of widening can be quickly implemented as the widening becomes necessary.

A2: Outer Ring Road Section 1

This section is the future extension of the Outer Ring Road (ORR) connecting NR 5 and NR 6. The alignment passes mostly swampy area and extensive work of soft ground treatment will be necessary. Considerable portion may have to be constructed as viaducts or bridges. Also, a bridge of about 700 meter needs to be constructed to cross Tonle Sap River. Accordingly, the construction cost is supposed to be considerably higher than other projects. Judging from the forecast traffic volume, tentative 2-lane construction can cater the demand. The length is estimated to be about 8.6 km

A3: Outer Ring Road Section 2 (Kab Srov Dike Road)

The existing road for this section of the ORR is Kab Srov Dike which is the premier protection line against the flooding to the north of the city. In the future, this road is expected form a part of the Asian Highway System and caters the traffic, which needs to detour Phnom Penh, coming from the Cambodia-Thailand border and going to Ho Chi Min City, Viet Nam. Therefore, international standard (4 lanes) is required. However, the forecast traffic volume indicates tentative 2 lane construction sufficient up to Year 2015.

A4: Outer Ring Road Section 3

This is the 6.5 km-long section of the ORR which stretches from its intersection with NR 4 towards north and connected to the proposed Northern New Trunk Road. This road forms an important part of the future network. The existing road is unpaved road of about 7 m wide. The functional class of this road (arterial), divided 4-lane structure is appropriate. However, the projected traffic volume does not warrant 4 lanes and tentative 2-lane construction is recommended. Even so, minor, additional low embankment works for widening to full 2 lane and pavement is needed. Effort to acquire additional right of way needed for future widening should be started as early as possible.

A5: Outer Ring Road Section 4

Presently, this is "missing link" of ORR between NR 3 and NR 4 and needs completely new construction. This section needs to be completed to form a circular route together with the proposed Northern New Trunk Road (A8) and Southern New Trunk Road (A9). The length of the road is about 2.0 km. Like Project Road A4 (ORR Sec 3), tentative 2-lane construction is recommended considering the projected traffic volume.

A6: Outer Ring Road Section 5

This road is the southeastern end section of ORR connecting NR 2 and NR 3 in the southwestern suburbs of Phnom Penh. The existing road is earth road of 7 to 8 meter wide. Again, 4-lane structure is appropriate as an arterial road, but the projected traffic volume shows that tentative 2-lane is sufficient.

A7: Outer Ring Road Section 6

This section is the southeastern end section of ORR, connecting NRs 2 and 21 to NR 1. This project

needs a construction of a 700 meter-long bridge to cross Bassac River near Kandal City. The east-end section of this road can utilize the existing Tiger Road, but for more than two thirds of the section needs relocation of the houses along the narrow exiting road. To avoid the relocation of large number of houses, the alignment of the project road needs to pass about 500 meter to 1 km southeast of the existing road. Also here, tentative 2-lane construction is considered to be sufficient.

A8: Northern New Trunk Road
This road connects IRR and ORR, passing the northern periphery of the future development area. The length of the road is about 11.0 km. The eastern half of this road can utilize the existing road which is 8 m wide laterite road. The This road, together with the proposed Southern New Trunk Road, will become the main traffic line to support the development towards west. High geometric standard is desired to be applied on this road. At the same time, the road should be provided with environmental buffer zone on the both sides to protect the roadside environment and, thus, promote desirable form of development. Tentative 2-lane construction is proposed considering the forecast traffic volume.

A9: Southern New Trunk Road

This road is another main traffic line to promote the development. Entire section will be new construction. The proposed alignment starts at the intersection of Tumpum Dike Road and the future Cheung Aek Bypass, and passes 500 meter to 1 km south of the existing Toll Road This road is to form a circular route together with ORR and Northern New Trunk Road. The area along the route is mostly rice field presently. However, the adjacent area is being developed rapidly and this area will be developed soon. Therefore, at least the right of way should be secured as soon as possible. High geometric standard should be applied. The length is 7.4 km.

A10: Phnom Penh Thmei Road 1 and A11: Phnom Penh Thmei Road 2

These roads are to connect the Northern New Trunk Road, Airport Road, Toll Road and Southern New Trunk Road at about 1.8 km west of IRR. To the north, they are to be extended as Project Road C2 (Khmuonh Road) and connected to ORR Section 2. These roads are to function as collector streets in the presently being developed area adjacent to the present urbanized area, and are expected to help sound development of the area. Entire section of Project Road A10 is to be constructed on the exiting road with right of way about 10 m wide. For the northern half of the Project Road A12, from Airport Road to the intersection with Northbridge Road (about 1.3 km), there is a paved existing road. From this intersection to about 100 m north of Toll Road, unpaved road with a width of about 12 to 15 m exists. Hence, construction of these roads is relatively easy.

A12: Tumpum Dike Road

This is to widen and improve the existing Tumpum Dike Road which is currently used as a 2-lane road with earth surface. The dike has been proposed to be reinforced in the JICA Study on Flood Control and Drainage Rehabilitation. It is proposed that this road be widened to divided 4 lane as an arterial road because of the traffic demand grows. Length of the road is 4.2 km.

A13: Cheung Aek Bypass

This road is intended as the bypass for NR 2 by connecting NR 2 and the extension of Samdech Monireth/ Charles de Gaulle Blvd. There is an existing road from beginning at the Toll Road at its east end (extension of Samdech Monireth Blvd) and extends to the intersection of NR 2 with the Outer Ring Road. The roadside areas on the both sides of the northern half of the existing road are residential areas and old trees on the both sides hedge the road. The width of the existing road is about 5 to 7 meters, and the trees of either side may have to be cut to secure sufficient lane widths. The monument of "Killing Field" is located along this road at about 5 km south from its intersection with the Toll Road. Because of very rough surface condition, vehicles (buses, cars and even motodops) carrying tourists going to the Killing Field Monument are forced to travel at very slow speed, making this one of the principal tourist spot difficult place to visit. Improvement of this road is important also from the viewpoint of tourism. About 1 km-long section between the Toll Road and proposed Southern New Trunk Road is proposed to be widened to be divided 4 lane, and 2-lane construction is recommended for the remaining section. There is a destroyed bridge (Wat Bakou Br.) where this road crosses Preak

Tnaot River, and this bridge needs to be repaired. The estimated length of this bridge is about 135 meter. To the south of the river, there is an scarcely-used, poorly-maintained existing road with width of 5 to 6 meter.

(2) Collector Road

C1: Ruessei Kaev Bypass

This is an improvement of the existing road, which is about 10-meter wide gravel road. This road is expected to function as the bypass for NR 5 to cater the traffic entering/exiting the urbanized area from/to the north. Four (4) lanes are needed.

C2: Khmounh Road

This is an extension of Project Road No. A10 (Phnom Penh Thmei Road-1) and reach to the Project Road No. A3 (ORR Section 2). The present land use of the roadside area is sparsely populated villages. This area is planned to be residential area in future development plan. This road is expected to serve to the traffic between the future development area and northern out skirt of the city via ORR. The existing road is about 6-meter wide earth/ laterite road. Tentative 2-lane can cater the traffic demand.

C3: Tang Krasang Road

This road, like Project Roads No. A11 and C2, is to connect the future development area to the outer ring road. Opposed 2-lane structure is considered to be enough. Then, the project is mostly improvement pavement of the existing road.

C4: Krang Thong-Dei Thmei Road

This is the main collector road running through the future development area in east-west direction along the railroad on its north side. The entire length is estimated to be about 9 km. Considering the estimated traffic volume, the entire section), needs to be constructed as a 4-lane road. For about 1.8 km-long section on its east end (between the Inner Ring Road and Project Road No. A10 there is an existing road for this section is about 7 to 8 meter wide, and with acquisition of additional right of way, this road can be used as a part of the project road. From Project Road A10 to west, new construction is needed, but land acquisition does not seem to be serious problem at present.

C5: Northbridge Road

The eastern half of this road (Inner Ring Road ~ Kouk Chambak/ Wat Oung Ta Meung) runs approximately parallel to the Toll Road at 700 m~1 km north of the Toll Road. The western half is proposed to take the route along the southern fence of the Airport and then take the route of the existing road to reach the Toll Road at Chaom Chau (about 500 m east of the intersection of BOT Road and Airport Road). The roadside area of the eastern half of this road is being rapidly developed and several land plots for factory have been constructed. Therefore, ROW should be secured as early as possible. On the other hand, the area along the western half of this road is still undeveloped, and land acquisition does not seem to be difficult. The entire section is proposed to be constructed as a tentative 2-lane road.

C6: Trapeang Rumchek Road

This road is to serve as a collector street connecting the Toll Road, Southern New Trunk Road, Project Road No.L6 and Project Road No. C7. This project is mainly widening and improvement of the existing road.

C7: Prey Sa Road

This road is to serve as the main collector street traversing the southwestern suburbs, and connect Project Road A13 and NR 3. Accordingly, this road is expected to shoulder some portion of the traffic on NR 3 and Toll Road. The project is mainly widening and improvement of the existing road which is mostly earth road about 7 meter wide. Rehabilitation of one small bridge is necessary. The length of the project road is about 7.3 km.

C8: Toul Sambo Road

This road is to connect Project Road C7 and Project Road L12 and serve to the remote area in the southwest of the Municipality. The length of the road is about 1.8 km.

C9: Phnom Penh-Kandal Bypass

This project is to construct a bypass to ease the congestion on the section of NR 2 between the intersection on the west of Monivong Bridge and Kandal City. The narrow zone, with a width of about 100 to 200 meters, on the west side of the existing road is densely populated and expanding towards west (to Boeng Ansaong Andael) The proposed alignment passes the boundary between the populated zone and the Boeng to minimize relocation of houses. A considerable portion of the project road may need to be constructed in the swampy area. Tentatively estimated road length is about 10.3 km. About 1 km-long section at the north end of this road needs to be constructed as 4-lane, while tentative 2-lane is sufficient for the remaining section.

C10: Preaek Pra Road

This project is widening and improvement of the existing road to serve the traffic on the east bank of Bassac River. The length of the project road is 6.7 km.

C11: Veal Sbov Bypass

This project is to construct a bypass for NR 1 to avoid the congestion on the east side of the Bassac River (Mean Chey). The bypass is recommended rather than widening of the existing NR 1 to avoid extensive relocation of houses. However, moderate extent of relocation of houses may become necessary depending on the alignment. The length of the tentatively proposed route is about 7 km. The entire length can be constructed as a 2-lane road.

(3) Local Road

L1: Russei Kaev Road and L2: Toul Sangkae Road

These roads are major local streets traversing the future residential area of Ruessei Kaev. The projects are mainly widening and improvement of the existing roads. The lengths of the roads are 7.1 km and 1.6 km, respectively.

L3: Samarong Road

This project is to construct a major local street connecting Project Roads No. 13 and 14 in the northern suburbs and serve to the villages in this area. The selection of alignment has a substantial freedom owing to the present land use, which is agricultural. The length of the tentatively proposed alignment is 4.3 km.

L4: Poung Peay Road

This road is to serve as a major local street in the northern half of the future development area adjacent to the present urbanized area. Entire section of about 3.6 km needs to be newly constructed.

L5: Dei Thmei Road and L6: Kouk Chambak Road

These roads are to serve as major local streets running in north-south direction at the middle of the future development area. These roads are to connect the Northern New Trunk Road and the Toll Road, and further to the Southern New Trunk Road via Project Road No. C6. Project Road L5 can be constructed by widening and improving the exiting road of 4.5 to 6 meters wide. Moderate extent of relocation will be needed especially near the intersection with the Airport Road. Length of the road is about 2.1 km. Project Road L6 needs a new construction. Land use along the assumed route is mostly agriculture and land acquisition does not seems to be a serious problem except near the intersection with the Airport Road. The length of the road is estimated to be about 3.5 km.

L7: Trapeang Chrey Road and L8: 23 Prey Tea Road

These roads are to serve as the major local streets in the western part of the future development area. The exact alignment should be determined together with the development plan of the area. The lengths of tentatively proposed routes are about 6 km and 3.6 km, respectively. Present land use is mostly agriculture, but there is an area used as a military facility.

L9: Ou Baek Kaan Road (Northbridge Road)

This road connects the Inner Ring Road and L6 Road at about 1.3 km south of Airport Road. The eastern half of this road is already exists with laterite surface. About 250 m section between the intersection with Project Road A12 and Northbridge International School is paved. To the west of the intersection with Project Road A12, there is an unpaved road with a width of about 8.5 m up to the connection point with Project Road No. L9. The projected traffic volume indicates that this road needs four (4) lanes.

L10: Boeng Krop Road

This road is a major local street in the area currently being developed in the immediate west of the present urbanized area. The project is mainly widening and improvement of the existing road which is about 4 to 6 meter wide. The Length is about 1.6 km.

L11: Chaom Chau Road

This project is to strengthen the existing road connecting the Project Road C7 and NR 3, and to improve the service to the nearby area. The length of the road is 4.1 km.

L12: Krang Pongro - Sak Sampov- Baku Road

This road is the major road serving the villages along the north bank of Preak Tnaot River. The existing road is earth road about 3 meters wide. Substantial volume of embankment is necessary to widen the existing road. The total length of the road is about 14. 4 km including the branch road to cross the Preak Tnaot Rive and connecting with ORR.

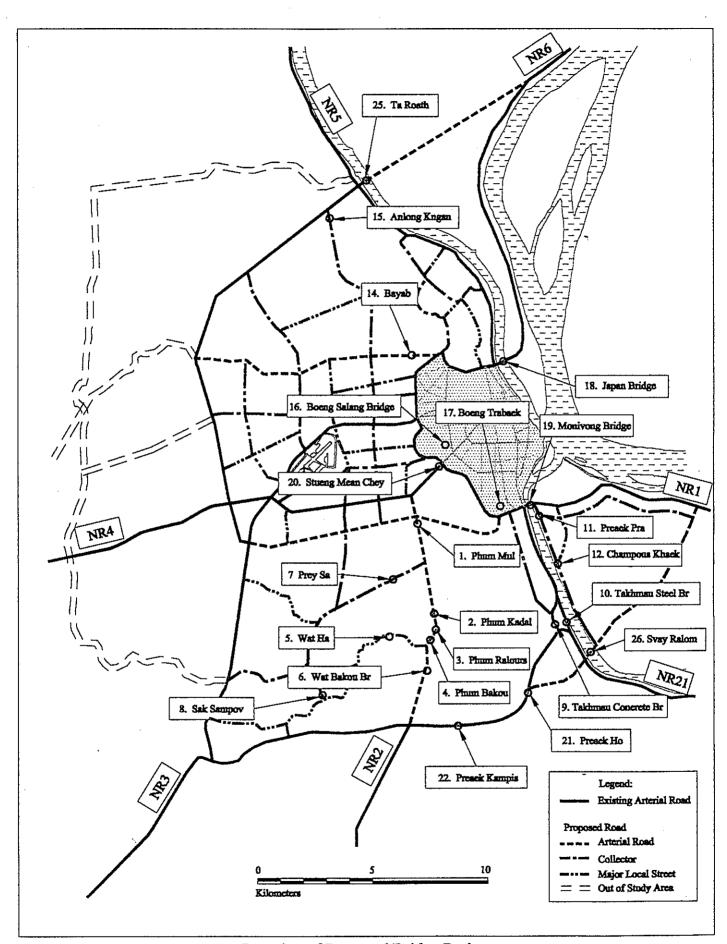
L13: Toul Kei Road

This road is to connect the Toll Road and the Southern New Trunk Road on the east side of the NR 3 for better flow of traffic. The entire section of about 1.5 km long is to be a new construction.

No. L14 Preah Ponlea Road

This project, like Project No. C10, is widening and improvement of the existing road to serve the traffic on the east bank of Bassac River. This project includes renewal of two small bridges. The length of the project road is 2.6 km.

A14.4 GENERAL VIEW OF PROPOSED BRIDGES



Location of Proposed Bridge Projects

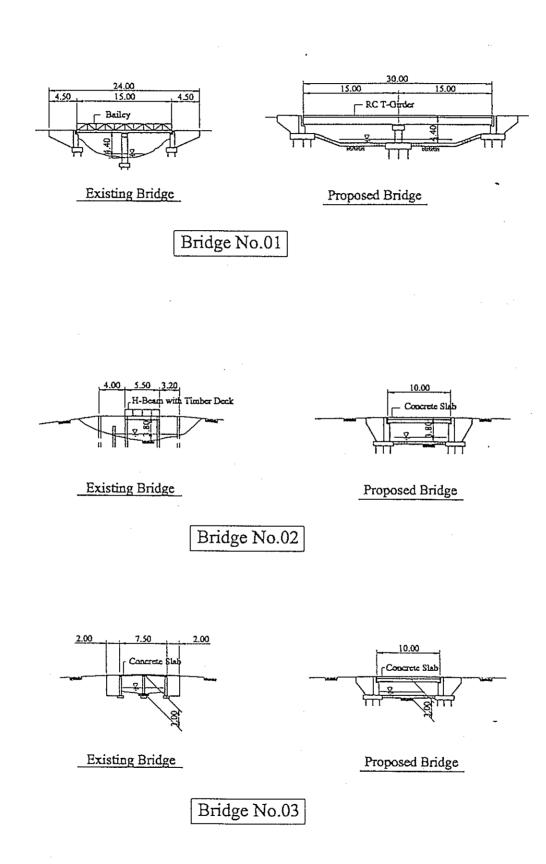


Figure A5.1 General View of Proposed Project Bridges (1/7)

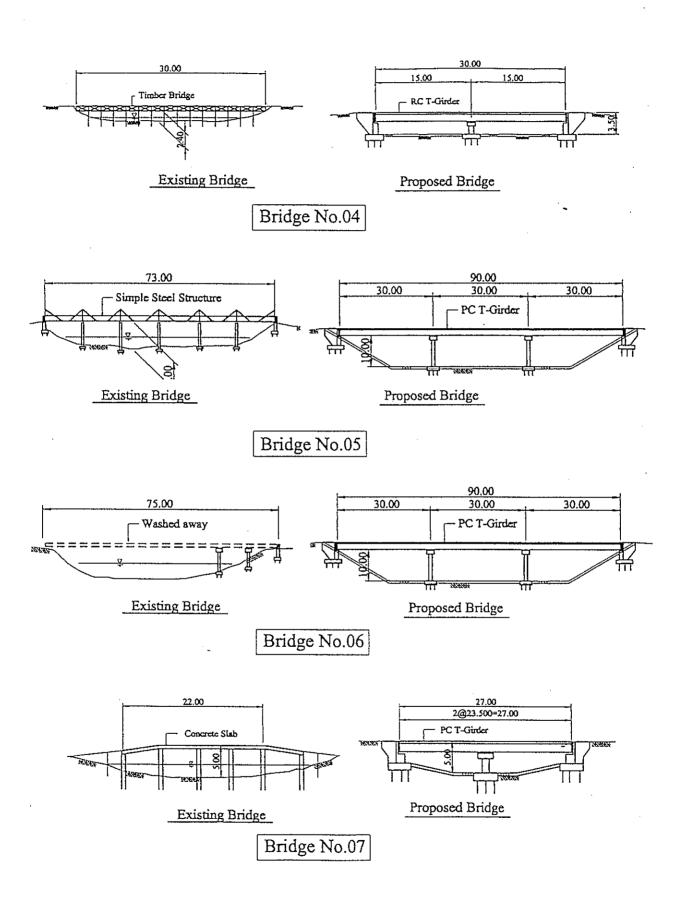


Figure A5.1 General View of Proposed Project Bridges (2/7)

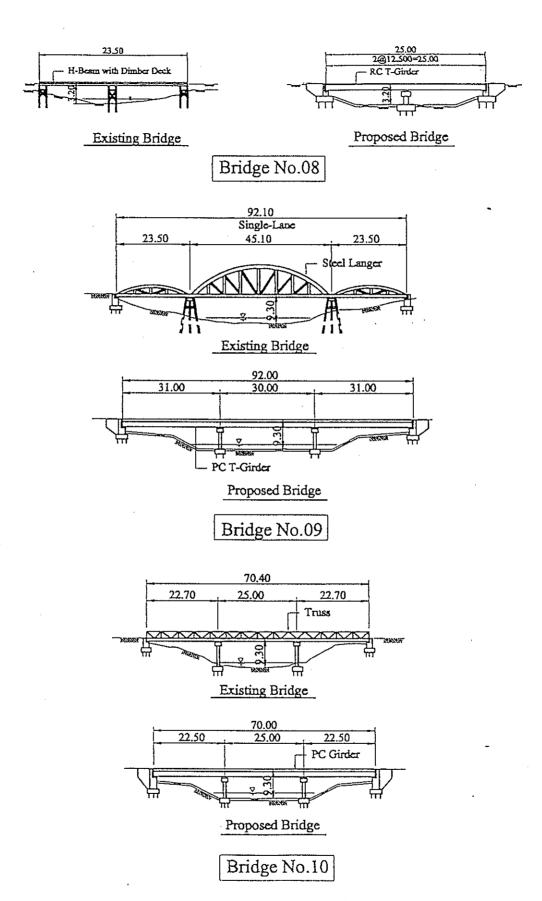


Figure A5.1 General View of Proposed Project Bridges (3/7)

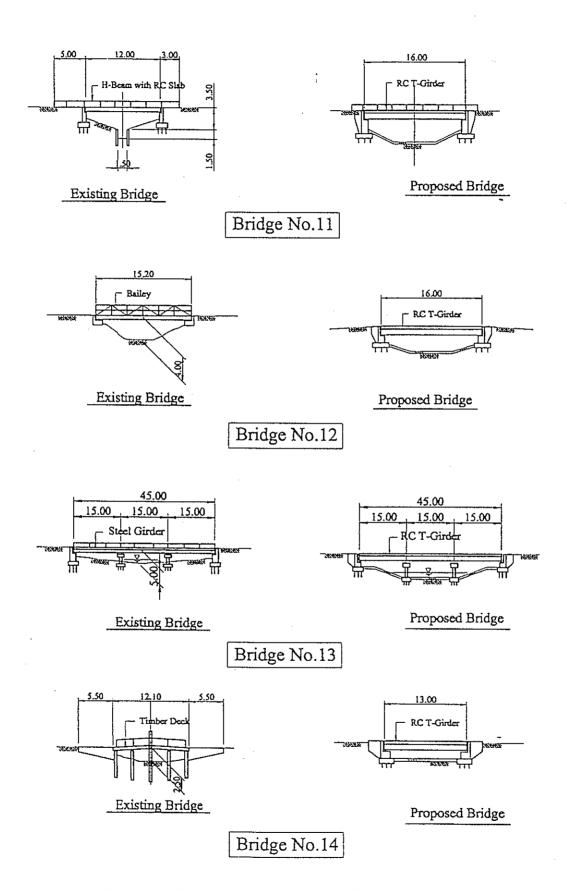


Figure A5.1 General View of Proposed Project Bridges (4/7)

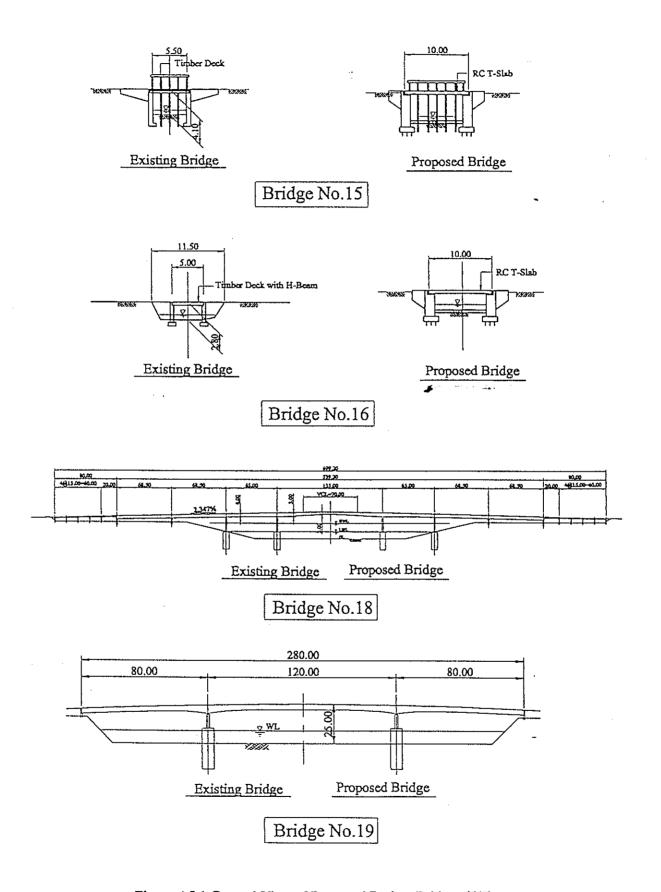
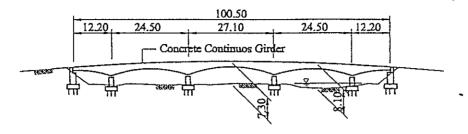
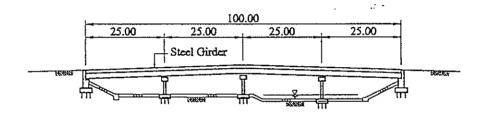


Figure A5.1 General View of Proposed Project Bridges (5/7)



Existing Bridge



Proposed Bridge

Bridge No.20

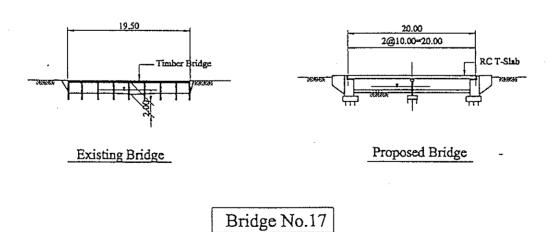


Figure A5.1 General View of Proposed Project Bridges (6/7)

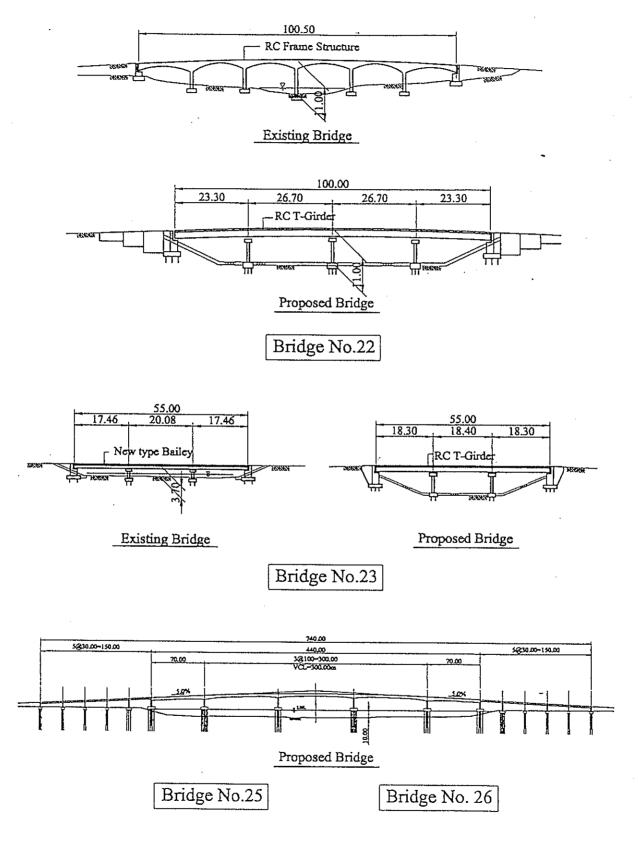


Figure A5.1 General View of Proposed Project Bridges (7/7)