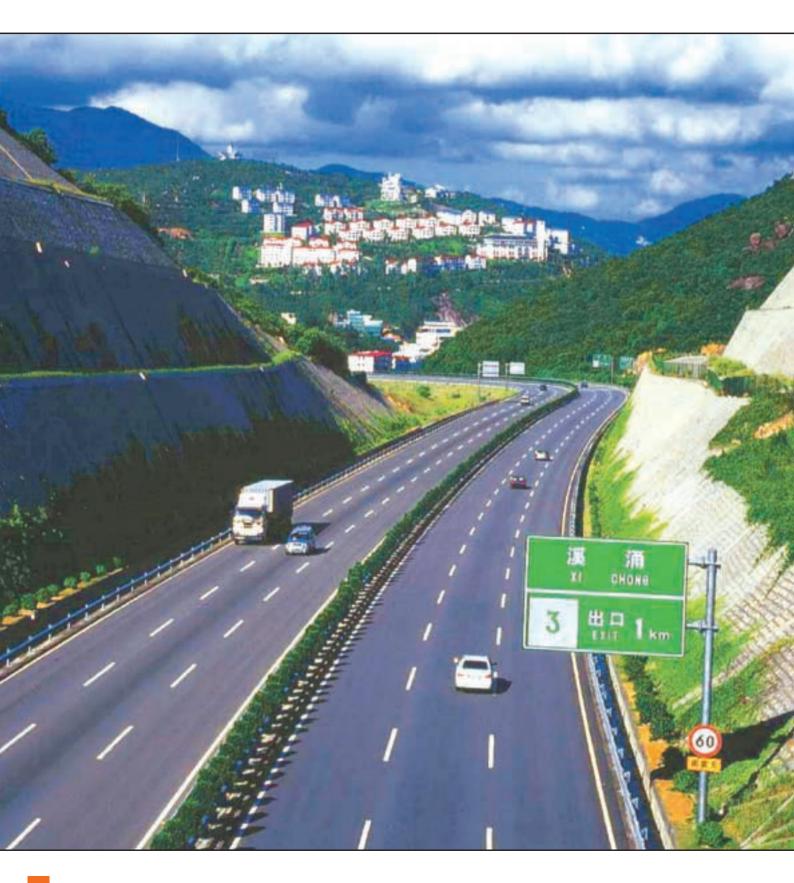
# **Basic Information of Toll Highways**



## **Basic Information of Toll Highways**



The principal assets of the Group and its jointly controlled entities and associated companies are all toll highway projects, of which Meiguan Expressway, Jihe East, Jihe West, Yanba A & B in Shenzhen City, Yangmao Expressway and Guangwu Expressway in other areas of Guangdong Province, Changsha Ring Road in Hunan Province as well as Geputan Bridge in Hubei Province are in operations and Yanpai Expressway, Nanguang Expressway, Yanba C and Shuiguan Extension in Shenzhen City, Jiangzhong Expressway and GZ W2 Expressway in other areas of Guangdong Province as well as Nanjing Third Bridge in Jiangsu Province are under construction or planning. Apart from investment, operation and management of toll highway projects, the Group has been entrusted by the government to be responsible for the construction and management of Nanping Project and Hengping Project.

		Length	Interests	No. of		
Toll Highways	Location	(km)	Held	Lane(s)	Condition	Operation Period
Meiguan Expressway	Shenzhen	19.30	95%	6/4	Operation	May 1995 – Mar 2027
Jihe East	Shenzhen	23.30	55%	6	Operation	Oct 1997 - Mar 2027
Jihe West	Shenzhen	21.00	100%	6	Operation	May 1999 – Mar 2027
Yanba A&B	Shenzhen	18.80	100%	6	Operation	Apr 2001 – Dec 2031
Shuiguan Expressway	Shenzhen	20.14	40%	6	Operation	Feb 2002 – Dec 2025
Yangmao Expressway	Guangdong	79.76	25%	4	Operation	Nov 2004 – Jul 2027
Guangwu Expressway*	Guangdong	36.50	30%	4	Operation	Dec 2004 – Nov 2027
Changsha Ring Road	Hunan	34.52	51%	4	Operation	Nov 1999 – Dec 2029
Geputan Bridge	Hubei	0.58	42%	4	Operation	Apr 2002 – Mar 2017
Yanpai Expressway	Shenzhen	15.20	100%	6	Construction	-
Nanguang Expressway	Shenzhen	31.20	100%	6	Planning	-
Yanba C	Shenzhen	9.80	100%	6	Planning	-
Shuiguan Extension	Shenzhen	5.25	40%	6	Construction	-
Jiangzhong Expressway	Guangdong	32.38	25%	4	Construction	-
GZ W2 Expressway	Guangdong	39.13	25%	6	Construction	-
Nanjing Third Bridge	Jiangsu	15.60	25%	6	Construction	-
Nanping Project	Shenzhen	19.13	Entrusted Construction	8	Construction	-
			Management Services			
Hengping Project	Shenzhen	17.18	Entrusted Construction	4	Construction	-
			Management Services			

The acquistion of Guangwu Expressway was approved by an ordinary resolution at the extraordinary general meeting of the Company held on 18 February 2005.

Note: With the same number of lanes, the differences in design standard such as design speed and surface quality may cause differences in design capacity. Generally, the design capacity of four-lane expressway is approximately 100,000 small vehicles per day while the capacity of six-lane expressway is approximately 120,000 small vehicles per day.

## **Highways in Operation**

#### **Meiguan Expressway**

Meiguan Expressway is a main trunk running from south to north in the central part of Shenzhen City. It connects with Huanggang Immigration and Customs Control, the largest immigration and customs control in Asia in the south and Guanshen Expressway running from Dongguan City to Shenzhen City in the north, whilst Dongguan is known as an exports processing centre in Guangdong Province and Pearl River Delta Region. Meiguan Expressway intercepts Jihe Expressway and is the main route for ground transportation between Hong Kong and Mainland. Meiguan Expressway which was completed and commenced operation in May 1995, is constructed by the Company.

## Jihe Expressway

Jihe Expressway is an outer ring expressway connecting the east and west of Shenzhen, and is part of the coastal national trunk highway from Tongjiang, Heilongjiang Province to Sanya, Hainan Province. It connects with Shenshan Expressway, Shenhui Expressway and class 1 highway – NH 205 in the east and links Guangshen Expressway, class 1 highway – NH 107 and Shenzhen International Airport in the west. The whole section of Jihe Expressway was divided into the eastern section and the western section for construction and operation and were completed and commenced operation in October 1997 and May 1999 respectively.

## Classification of Vehicles and Toll Rates of Meiguan Expressway and Jihe Expressway:

			Toll Rates
Class	Vehicles	Coefficient	(RMB/KM)
1	Vans, jeeps, small-size lorries, motorcycles	1	0.60
2	Mini buses, station wagons, light vans, small-sized passenger-cars	2	1.20
3	Medium-sized passenger-cars, large-sized passenger-cars,	3	1.80
	medium vans and large-sized luxury passenger-cars		
4	Large-sized lorries, large-sized tractors and vehicles towing	4	2.40
	20-foot container		
5	Heavyweight lorries, heavy weight tractors and vehicles towing	6	3.60
	40-foot container		

#### Yanba Expressway

Yanba Expressway is a coastal expressway in the east of Shenzhen City. It connects Shenzhen Yantian Port and Shenzhen downtown in the west and links Pingxi Class 1 Highway in Dapeng, Huishen Coastal Expressway and Shenshan Expressway in the east. The whole section of Yanba Expressway was constructed by the Company, which was divided into three phases of construction. Yanba A and Yanba B were commenced operation in March 2001 and June 2003 respectively. The Company is now engaging in the preliminary preparation work for construction of Yanba C.

## Shuiguan Expressway

Shuiguan Expressway is the only expressway that connects with Shenzhen downtown and the Longgang Industrial Zone, which is an important industrial zone in Shenzhen. It runs from southern west towards northern east and is the trunk expressway in the direction from Longgang to its peripheral areas. It commenced operation in February 2002 and is operated by Qinglong Company. The Company acquired 40% equity interest in Qinglong Company in December 2002.

## Classification of Vehicles and Toll Rates of Yanba Expressway and Shuiguan Expressway:

		Standard of C	lassification				
			Head	Wheelbase			Toll Rates
Class	Axle	Wheels	height (m)	(m)	Vehicles	Coefficient	(RMB/KM)
1	2	2-4	<1.3	<3.2	Vans, jeeps, small-size lorries, motorcycles	1	0.60
2	2	4	≥1.3	≥3.2	Mini buses, station wagons, light vans, small-sized passenger	1.5	0.90
					vehicles		
3	2	6	≥1.3	≥3.2	Medium-sized passenger vehicles, large-sized passenger	2	1.20
					vehicles, medium-sized lorries, large-sized luxury passenger vehicles		
4	3	6-10	≥1.3	≥3.2	Large-sized lorries, large-sized tractors, vehicles towing	3	1.80
					20-foot container		
5	>3	>10	≥1.3	≥3.2	Heavy-weight lorries, heavy-weight tractors, vehicles towing	4	2.40
					40-foot container		

#### Yangmao Expressway

Yangmao Expressway is part of the Guangdong section of the coastal national trunk highway that begins from Tongjiang, Heilongjiang Province to Sanya, Hainan Province. It also forms part of an important passage linking Guangdong Province, Hainan Province and other provinces in southwestern part of the PRC. Yangmao Expressway commenced operation in November 2004, linking Kaiyang Expressway which commenced operation in 2003 and Maozhan Expressway which commenced operation in 2001.

#### **Guangwu Expressway**

Guangwu Expressway is a part of national trunk highway from Shantou, Guangdong Province to Qingshuihe, Yunnan Province, linking Guangzhao Expressway which commenced operation in 2003 and the second phase of Guangwu Expressway which is under planning. Guangwu Expressway, which commenced operation in December 2004, is one of the major expressway projects planned under the "Tenth Five-Year Plan" (十五規劃) of Guangdong Province. Total investment of Guangwu Expressway was estimated at RMB1,420 million.

Standard of Classification							
Class	Axle	Wheels	Head height (m)	Wheelbase (m)	Vehicles	Coefficient	Toll Rates (RMB/KM)
1	2	2-4	<1.3	<3.2	Vans, jeeps, small-size lorries, motorcycles	1	0.45
2	2	4	≥1.3	≥3.2	Mini buses, station wagons, light vans, small-sized passenger vehicles	1.5	0.675
3	2	6	≥1.3	≥3.2	Medium-sized passenger vehicles, large-sized passenger vehicles, medium-sized lorries, large-sized luxury passenger vehicles	2	0.90
4	3	6-10	≥1.3	≥3.2	Large-sized lorries, large-sized tractors, vehicles towing 20-foot container	3	1.35
5	>3	>10	≥1.3	≥3.2	Heavy-weight lorries, heavy-weight tractors, vehicles towing 40-foot container	4	1.80

## Classification of Vehicles and Toll Rates of Yangmao Expressway and Guangwu Expressway:

## Classification of Vehicles and Toll Rates of Changsha Ring Road:

		Toll Rates
Class	Vehicles	(RMB/KM)
1	Lorries with a capacity of 2 tonnes or below,	
	passenger cars with 12 seats or below	0.40
2	Lorries with a capacity of 2 to 6 tonnes,	
	passenger cars with 13 to 19 seats	0.70
3	Lorries with a capacity of 6 to 11 tonnes,	
	passenger cars with 20 to 49 seats	1.00
4	Lorries with a capacity of 11 to 18 tonnes,	
	passenger cars with 50 seats or above	1.30
5	Lorries with a capacity of 18 to 25 tonnes	1.60
6	Lorries with a capacity of 25 tonnes or above	1.90

## **Changsha Ring Road**

Changsha Ring Road is northwestern section of Hunan Changsha Ring Road, linking Jingzhu (Beijing-Zhuhai) Expressway, NH 107 (Changsha Section) in the northeast and Changyi (Changsha-Yiyang) Expressway, National Highway 319 (Changsha Section) and southwestern section of Hunan Changsha Ring Road in the west, serves as an important infrastructure facility of Changsha City.

#### **Geputan Bridge**

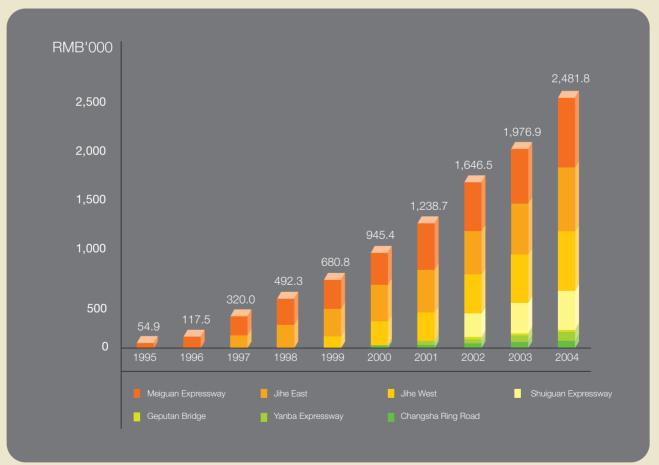
Geputan Bridge, located at the cross-border between Yingcheng City and Yunmeng Town in Xiaogan City, Hubei Province, is a large bridge on the Fu River, a tributary of the Yangtze River, linking National Highway 316 and commenced operation in April 2002. It is constructed and operated by Yungang Company with a total investment of RMB43million. From November 2003, the Company owns 42% equity interest of Yungang Company through Mei Wah Company, a wholly-owned subsidiary of the Company.

(Units: No./Day)

## Summary of Daily Mixed Traffic Flow of Toll Highways

2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 Meiguan Expressway 64,199 46,397 37,566 33,634 23,659 22,760 18,736 12,938 7,522 3,016 Jihe East 44,446 33,308 26,547 25,103 21,602 16,799 13,598 6,152 \_ \_ Jihe West 28,284 12,787 10,028 35,257 21,809 16,134 \_ \_ \_ Yanba A and B 9,427 7,357 5,343 5,762 \_ \_ \_ \_ \_ \_ Shuiguan Expressway 39,733 30,397 22,762 \_ \_ \_ \_ \_ Changsha Ring Road 4,623 3,454 2,576 1,373 1,302 \_ \_ \_ \_ \_ Geputan Bridge 2,888 2,706 2,488 \_ \_ \_ \_

## **Comparison of Daily Average Toll Income**



## **Road under Construction or Planning**

#### Yanpai Expressway

Yanpai Expressway also known as the Yantian Port Feeder Road of Jihe Expressway starting from Yantian Port, after intersecting with NH 205 and Shuiguan Expressway, towards north through Paibang Interchange connecting with Jihe East and Boshen Expressway which is under planning. The estimated investment of Yanpai Expressway is RMB1,149 million, which construction has been commenced from 2003, which is expected to be completed by the end of 2005.

## **Nanguang Expressway**

Nanguang Expressway is a radiating expressway of the outer-ring expressways of the Pearl River Delta region, starting from south in Nanshan District, Shenzhen City, towards south connecting with Shenzhen-Hong Kong Western Corridor, Tung Kok Tou Coastal Area under planning, Dachanwan Port and ports area in Shekou and towards north via Longda Expressway and Changhu Expressway linking with Guangshen Expressway, NH 107 and Guanshen Expressway. The investment of Nanguang Expressway is about RMB2,876 million that is expected to be commenced construction in first half of year 2005 and be completed in two and half years.

## Yanba C

Yanba C is the last section of Yanba Expressway, which connects Yanba A, Yanba B and Huishen Coastal Expressway, with investment of RMB515 million. The Company is now engaging in the preliminary preparation work of Yanba C. Detialed information relating to Yanba C is set out on page 52 of this report.

## **Shuiguan Extension**

Shuiguan Extension connects Bulong Interchange of Shuiguan Expressway and newly established Shenzhen Qingshuihe Special Zone Checkpoint and links with the two largest warehouse areas in Shenzhen downtown, i.e. Qingshuihe and Sungang. The capital investment of Shuiguan Extension is RMB510 million, which is expected to be commenced operation in mid-2005.

## **Jiangzhong Expressway**

Jiangzhong Expressway includes construction of the expressway between Zhongshan and Jiangmen ("Zhongjiang Expressway") and Phase II of the expressway between Jiangmen and Heshan ("Jianghe Expressway"). Zhongjiang Expressway releases the heavy traffic running between Zhongshan City and Jiangmen City, optimizes the investment and construction environment of areas along as well as enhancing the economic activities between western Guangdong Province and Pearl River Delta. Jianghe Expressway links with Zhongjiang Expressway and Guangzhan Expressway. After completion, Jiangzhong Expressway will form as main trunk road network in southwest region of Guangdong Province together with Phase I of Jianghe Expressway, Jingzhu Expressway Guangzhu Section, Humen Bridge and the expressway between Changping and Humen. The construction of Zhongjiang Expressway and Phase II of Jianghe Expressway requires investment of RMB2,710 million and 464 million respectively, which are both expected to be fully completed by October 2005.

#### **GZ W2 Expressway**

GZ W2 Expressway is a section of Pearl River Delta Ring Expressway and a ring road surrounding Guangzhou City, which starts from the Guangsan Expressway in Nanhai District of Foshan City and ends at Baiyun District of Guangzhou City, linking Guangzhou Northern Second Ring Expressway. When GZ W2 Expressway commences operation, it will connect Guangzhou Northern Second Ring Expressway, Jingzhu Expressway, Guanghua Expressway, New Airport Expressway, Guangsan Expressway and National Highways 324, 321, 105, 106 and 107. It serves as the only passageway running from western region in Guangzhou to Huadu International Airport. The capital costs of GZ W2 Expressway are estimated to be approximately RMB3,003 million and its construction is expected to be completed by mid-2007.

## **Nanjing Third Bridge**

The main part of Nanjing Third Bridge is located at Dashengguan which is 19km upstream of Nanjing Yangtze River Bridge, connecting with Ninghe Expressway and Ninghuai Expressway (under construction) in the north as well as linking with Ningma Expressway in the south with Huning Expressway via Nanjing First Ring Expressway and with Ninghang Expressway and Ninggao Expressway through Nanjing Airport Expressway. The estimated capital investment of Nanjing Third Bridge is RMB3,301 million which is expected to commence operation in 2006.

## **Entrusted Construction Project**

## **Nanping Project**

Nanping Project is a key municipal construction project invested by the Shenzhen Municipal Government, which comprises a trunk expressway with a total length of 14.96 km. The trunk expressway begins from No.9 Daxuecheng Road, Tanglangshan and ends at Longjing Interchange of Shuiguan Expressway with a feeder road of a total length of 4.17 km which begins from No.9 Daxuecheng Road, Tanglangshan to Interchange of Shenyun Road and Guangshen Expressway. The construction of the project has been started from 30th December 2003, and is expected to be completed in 12 months for the trunk expressway while 18 months for the feeder road. If the project cannot be completed as expected and such cause is not caused by the Company, then the term of the agreement will be accordingly extended.

#### **Hengping Project**

Hengping Project is a section of Hengping Highway's main trunk. The whole Hengping Highway starts from the Henggang exit of Shuiguan Expressway, runs westward until the outbound road of Longgang City, and connects with Huiyan Expressway in the southwest. It consists of a main trunk with a total length of 45.84 km, and a feeder road of approximately 4.55 km. The Company will be responsible for project administration for the construction of the section with a total length of 17.18 km. The construction period of the project starts from the date when all tenders with respect to road foundation and tunnel construction were completed and the notices of awards are issued to the winner. It will take 18 months to complete the construction of the main trunk. If the project cannot be completed as expected and such cause is not caused by the Company, then the term of the agreement will be accordingly extended.