

Beijing–Guangzhou–Shenzhen–Hong Kong high-speed railway

The **Beijing–Guangzhou–Shenzhen–Hong Kong high-speed railway** or **Jingguangshengang high-speed railway** from its Chinese name is a high-speed railway corridor of the CRH passenger service, connecting Beijingxi Station in Beijing and Futian Station in Shenzhen. It crosses the border and follows Guangzhou–Shenzhen–Hong Kong Express Rail Link Hong Kong section to West Kowloon Station in Hong Kong. It is 2,230 kilometres (1,390 mi) long, and is the only Chinese high-speed railway to cross a border that requires immigration and customs clearance.^{[1][2][3]} The existing, conventional Jingguang railway runs largely parallel to the line.

The line forms part of the Beijing–Harbin, Beijing–Hong Kong (Macau) passageway, based on the "Eight Verticals and Eight Horizontals" railway master plan announced in 2016.

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History

Construction started in 2005. The Wuhan–Guangzhou section opened in December 2009, the Guangzhou–Shenzhen section opened in December 2011, the Zhengzhou–Wuhan section opened in September 2012, and the Beijing–Zhengzhou section was opened in December 2012. The 36-kilometre (22 mi) cross-border Shenzhen–Hong Kong section opened on the 23rd of September 2018.^[4] The line is the world's longest high-speed rail route.^[5] The high speed rail line cuts travel time by more than half.^[5] The line fully opened on September 23, 2018.^[6]

Through-services with other high-speed lines

Besides trains running between Beijing, Shijiazhuang, Zhengzhou, Wuhan, Changsha, Guangzhou and Shenzhen, the railway also has direct service with other connecting high-speed lines. The direct Xi'an–Zhengzhou–Wuhan–Guangzhou–Shenzhen service started simultaneously with the opening of the Zhengzhou–Wuhan section in September 2012, as well as the direct interline service Xi'an–Zhengzhou–Beijing, Taiyuan–Shijiazhuang–Guangzhou, Taiyuan–Shijiazhuang–Wuhan–Guangzhou.^{[7][8]} Future connections will include Fujian province destinations and possibly Hangzhou with testing of the Hangzhou–Fuzhou–Shenzhen high-speed railway commencing and soon to open.

Connections to local transport

To minimize disruptions to existing urban areas and provide large curve radii, the Beijing–Guangzhou high-speed railway, similar to other such railways in China, was constructed in an alignment somewhat different from the existing Beijing–Guangzhou Railway. In most cities served by the high-speed railway, its trains stop at stations built specifically for the new line, which are away from the urban core and the city's conventional railway station. In some of the larger cities, it may take more than an hour to ride a bus or taxi from the city centre to the high-speed rail station.^[9]

Most of the cities involved have improved the public transit access to the new high-speed rail stations, or plan to do so. Guangzhounan Station is already served by Guangzhou Metro and Beijingxi Station served by Beijing Metro. Wuhan Station is served by Wuhan Metro's Line 4 and Zhengzhoudong Station by Zhengzhou Metro's Line 1, both of which opened in December 2013, and Shijiazhuang Station by Shijiazhuang Metro's Line 3, opened in June 2017.

Transfers to other rail lines

Guangzhounan Station and Wuhan Station are designed as hubs for several high-speed railway (HSR) lines. Frequent service to Zhuhai is available at Guangzhou South, while a connection to Yichang can be made at Wuhan.

Beijing–Guangzhou–Shenzhen–Hong Kong high-speed railway <div>京广深港高速铁路<div>京廣深港高速鐵路</div></div>	
<div></div> <div>CRH高速鐵路<div><i>High Speed Rail</i></div></div>	
<div><div>A CRH380AL trainset departing Beijing for Shenzhen as G71</div></div>	
Overview	
Type	High-speed rail
Status	Operational
Locale	Beijing, Hebei, Henan, Hubei, Hunan, Guangdong, Hong Kong
Termini	Beijingxi <div>(further: Fengtai Station)</div> <div>Hong Kong West Kowloon</div>
Stations	47
Operation	
Opened	December 26, 2012
Owner	China Railway <div>MTR Corporation</div>
Operator(s)	China Railway High-speed <div>MTR (Hong Kong section only)</div>
Depot(s)	Beijing MU Depot <div>Shijiazhuang MU Depot</div> <div>Zhengzhou MU Depot</div> <div>Wuhan MU Depot</div> <div>Changsha MU Depot</div> <div>Guangzhou MU Depot</div> <div>Shenzhen MU Depot</div> <div>Shek Kong Depot</div>
Rolling stock	CRH380A series <div>China Railways CRH380B</div> <div>China Railways CRH380D</div> <div>China Standardized EMU</div>
Technical	
Line length	2,230 km (1,390 mi)
Track gauge	1,435 mm (4 ft 8½ in) standard gauge
Operating speed	350 km/h (220 mph)
Route map	
<div><div><div><div><div><div><div></div><div><div>0 Beijing West</div></div></div></div><div></div>59 Zhuozhou East</div></div></div><div><div><div><div><div><div></div><div><div>84 Gaobeidian East</div></div></div></div><div></div>139 Baoding East</div></div></div><div><div><div><div><div><div></div><div><div>200 Dingzhou East</div></div></div></div><div></div>244 Zhengding Airport</div></div></div><div><div><div><div><div><div></div><div><div>280 Shijiazhuang</div></div></div></div><div></div></div></div></div></div>	

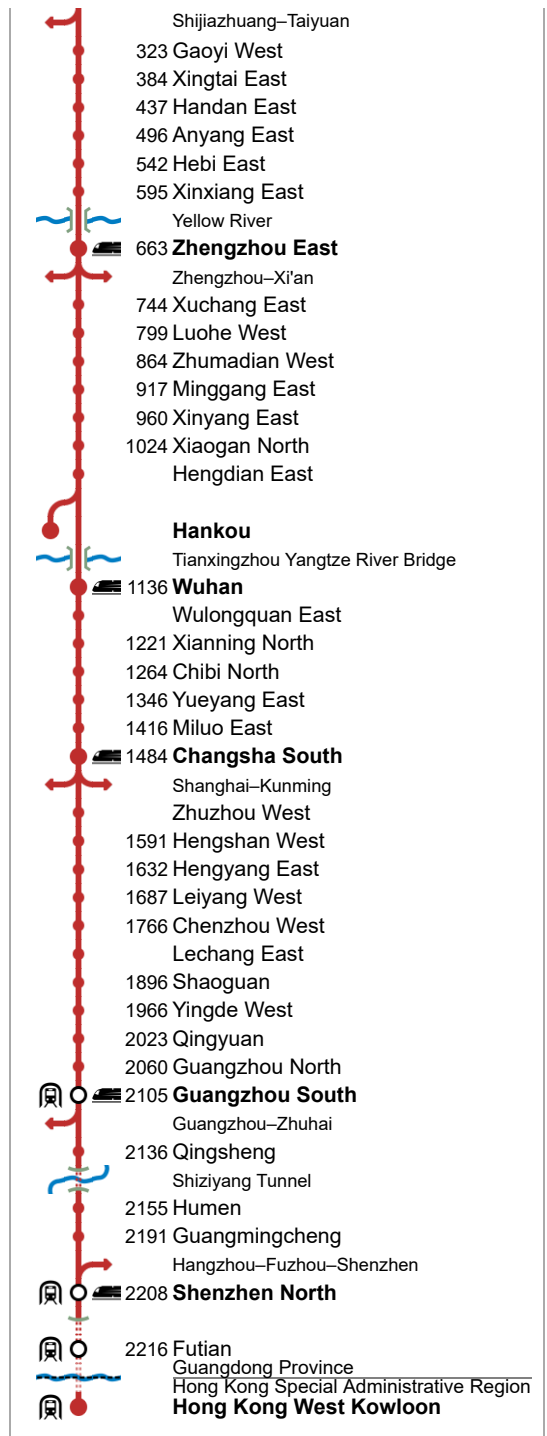
Although the Beijing–Guangzhou HSR largely parallels the older conventional Beijing–Guangzhou line, most of the HSR stations are located away from the local conventional train stations. Therefore, direct transfer to conventional (not high-speed) trains is possible only at a few stations along the route. Among them are Beijing West (which is one of the nation's main passenger railway hubs), Shijiazhuang, Wuhan (which has a few conventional trains, although fewer than the city's two other stations, at Hankou and Wuchang), and Guangzhoubei.

Immigration clearance


As Hong Kong is a Special Administrative Region, the Shenzhen-Hong Kong portion of the high speed rail passes through an immigration control point. The West Kowloon Terminus was designed to allow both Mainland and Hong Kong officials to conduct immigration control in Hong Kong,^[10] but for several years there was an unclear constitutional issue as Mainland officials were thought not to have the constitutional authority to enforce Mainland law in Hong Kong.^{[11][12]} In November 2017, the Government of Hong Kong resolved this question by signing the Co-operation Arrangement for Implementing Co-location Arrangement, designating a portion of West Kowloon railway station as the "Mainland Port Area" that would be subject to Mainland law.^[13] Travelers coming from Hong Kong therefore pass through Mainland immigration and customs clearance before boarding their trains, allowing direct service to the entire Mainland high-speed rail network without having to stop at the Mainland-Hong Kong border.^[14]

Sections

Operational lines in the table below are marked with green background.



Beijing–Guangzhou–Shenzhen– Hong Kong high-speed railway	
Simplified Chinese	京广深港高速铁路
Traditional Chinese	京廣深港高速鐵路
Transcriptions	
Standard Mandarin	
Hanyu Pinyin	Jīngguǎngshēngǎng Gāosù Tiělù
IPA	[tɕiŋ.kwàŋ.ʃén.kàŋ káu.sù tʃjè.lù]
Yue: Cantonese	
IPA	[kɛŋ.kʷɔːŋ.sém.kɔːŋ kóu.tsʰók tʰiːlòu]
Jyutping	ging ¹ gwong ² sam ¹ gong ² gou ¹ cuk ¹ tit ³ lou ⁶

Section	Description	Designed speed (km/h)	Length (km)	Construction start date	Open date	Top trip speed
Beijing–Guangzhou–Shenzhen–Hong Kong high-speed railway 	HSR Corridor connecting North with Central China, consisting of four segments between Beijing, Shijiazhuang, Wuhan, Guangzhou and Hong Kong.	350	2230	2005-09-01	2018	<i>See below</i>
<u>Beijing–Shijiazhuang section</u> (Beijing–Shijiazhuang high-speed railway)	HSR from <u>Beijingxi</u> (further: <u>Fengtai</u>) to <u>Shijiazhuang</u>	350	281	2008-10-08	2012-12-26 ^[15]	-
<u>Shijiazhuang–Wuhan section</u> (Shijiazhuang–Wuhan high-speed railway)	HSR from <u>Shijiazhuang</u> to <u>Wuhan</u> via <u>Zhengzhoudong</u>	350	838	2008-10-15	2012-09-28 (<u>ZZD–WH</u>) 2012-12-26 (<u>SJZ–ZZD</u>)	-
<u>Wuhan–Guangzhou Section</u> (Wuhan–Guangzhou high-speed railway)	HSR from <u>Wuhan</u> to <u>Guangzhounan</u> via <u>Changshanan</u>	350	968	2005-09-01	2009-12-26	313 ^[16]
<u>Guangzhou–Shenzhen–Hong Kong Section</u> <i>Mainland Portion</i> (Guangzhou–Shenzhen–Hong Kong Express Rail Link)	HSR from <u>Guangzhounan</u> to <u>Futian</u> via <u>Shenzhenbei</u>	350 (<u>GZN–SZB</u>) 200 (<u>SZB–FT</u>)	106	2005-12-18	2011-12-26 (<u>GZN–SZB</u>) 2014-07 ^[17] (<u>SZB–FT</u>)	308
<u>Guangzhou–Shenzhen–Hong Kong Section</u> <i>Hong Kong Portion</i> (Guangzhou–Shenzhen–Hong Kong Express Rail Link)	HSR from <u>Futian</u> to <u>West Kowloon</u>	200	36 (26 km in Hong Kong)	2010-01-27	2018-09-23 ^[18]	

Station list

Major railway stations are in **bold**.

Station name	Chinese	Total distance (km)	Travel time		High-speed rail transfers*	Metro transfers*	Platforms	Tracks served by platform	Location	
			250 km/h	350 km/h					Prefecture/City	Province/Territory
<u>Beijing West</u>	北京西	0	0:00 (D2031)	0:00 (G71)	Beijing Underground Cross City Railway				Beijing	Beijing
<u>Zhuozhou East</u>	涿州东 涿州東	59	0:25 (D2021) ^[19]	0:25 (G527) ^[20]					Baoding	Hebei
<u>Gaobeidian East</u>	高碑店东 高碑店東	84	0:30 (D2031) ^[21]	0:30 (G567) ^[22]						
<u>Baoding East</u>	保定东 保定東	139	0:54 (D2031)	0:41 (G71) ^[23]						
<u>Dingzhou East</u>	定州东 定州東	200	2:13 (D2021)	1:01 (G567)						
<u>Zhengding Airport</u>	正定机场 正定機場	244	1:38 (D2031)	1:17 (G6701) ^[24]						
<u>Shijiazhuang</u>	石家庄 石家莊	280	1:54 (D2031)	1:19 (G71)	Shijiazhuang–Taiyuan				Shijiazhuang	
<u>Gaoyi West</u>	高邑西	323	2:12 (D2031)	1:38 (G563) ^[25]						
<u>Xingtai East</u>	邢台东 邢台東	384	2:39 (D2031)	1:58 (G563)					Xingtai	
<u>Handan East</u>	邯郸东 邯鄲東	437	2:58 (D2031)	2:01 (G71)					Handan	
<u>Anyang East</u>	安阳东 安陽東	496	3:17 (D2031)	2:28 (G567)					Anyang	
<u>Hebi East</u>	鹤壁东 鶴壁東	542	3:54 (D2031)	2:31 (G527)					Hebi	
<u>Xinxiang East</u>	新乡东 新鄉東	595	4:12 (D2031)	2:41 (G71)					Xinxiang	
<u>Zhengzhou East</u>	郑州东 鄭州東	663	4:44 (D2031)	3:04 (G71)	Xuzhou–Lanzhou				Zhengzhou	
<u>Xuchang East</u>	许昌东 許昌東	744	5:09 (D2031)	3:31 (G527)					Xuchang	Henan
<u>Luohe West</u>	漯河西	799	5:38 (D2031)	3:50 (G503) ^[26]					Luohe	
<u>Zhumadian West</u>	驻马店西 駐馬店西	864	5:58 (D2031)	3:53 (G71)					Zhumadian	
<u>Minggang East</u>	明港东 明港東	917	6:17 (D2031)						Xinyang	
<u>Xinyang East</u>	信阳东 信陽東	960	6:32 (D2031)	4:22 (G527)						
<u>Xiaogan North</u>	孝感北	1024	6:52 (D2031)	4:33 (G71)						
<u>Hengdian East</u>	横店东 橫店東									
<u>Wuhan</u>	武汉 武漢	1136	7:25 (D2031)	4:17 (G79)	Shanghai–Wuhan–Chengdu				Wuhan	Hubei
<u>Wulongquan East</u>	乌龙泉东 烏龍泉東									
<u>Xianning North</u>	咸宁北 咸寧北	1221	7:49 (D2103) ^[27]	5:32 (G501) ^[28]					Xianning	
<u>Chibi North</u>	赤壁北	1264	8:10 (D2103)	5:46 (C503)						
<u>Yueyang East</u>	岳阳东 岳壁東	1346	8:33 (D2103)	5:58 (G71)					Yueyang	Hunan
<u>Miluo East</u>	汨罗东 汨羅東	1416	8:59 (D2103)	6:19 (G501)						
<u>Changsha South</u>	长沙南 長沙南	1484	9:25 (D2103)	6:34 (G71)	Shanghai–Kunming					Changsha
<u>Zhuzhou West</u>	株洲西	1524	9:46 (D2103)						Zhuzhou	
<u>Hengshan West</u>	衡山西	1591	10:10 (D2103)	7:07 (G71)					Hengyang	
<u>Hengyang East</u>	衡阳东 衡陽東	1632	10:28 (D2103)	7:22 (G71)						

Leiyang West	耒阳西 耒陽西	1687	10:53 (D2103)	7:41 (G71)						
Chenzhou West	郴州西	1766	11:22 (D2103)	8:09 (G71)					Chenzhou	
Lechang East	乐昌东 樂昌東								Shaoguan	
Shaoguan	韶关 韶關	1896	11:55 (D2103)	8:29 (G81) ^[29]						
Yingde West	英德西	1966	12:21 (D2103)						Qingyuan	
Qingyuan	清远 清遠	2023	12:59 (D2103)							
Guangzhou North	广州北 廣州北	2060	13:13 (D2103)							
Guangzhou South	广州南 廣州南	2105	13:55 (D2103)	9:38 (G71)	Guangzhou– Zhuhai				Guangzhou	Guangdong
Qingsheng	庆盛 慶盛	2136								
Humen	虎门 虎門	2155							Dongguan	
Guangmingcheng	光明城	2191								
Shenzhen North	深圳北	2208		10:16 (G71)	Hangzhou– Fuzhou– Shenzhen Maoming– Shenzhen				Shenzhen	
Futian	福田	2216								
Hong Kong West Kowloon	香港西九龍 香港西九龍	2247					 Tung Chung Airport Express (via Kowloon) West Rail (via Austin)		Hong Kong	Hong Kong

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External links

[Ticketing Information \(https://www.it3.mtr.com.hk/b2c/frmNotice.asp?strLang=Eng\)](https://www.it3.mtr.com.hk/b2c/frmNotice.asp?strLang=Eng)

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This page was last edited on 21 February 2019, at 19:28 (UTC).

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