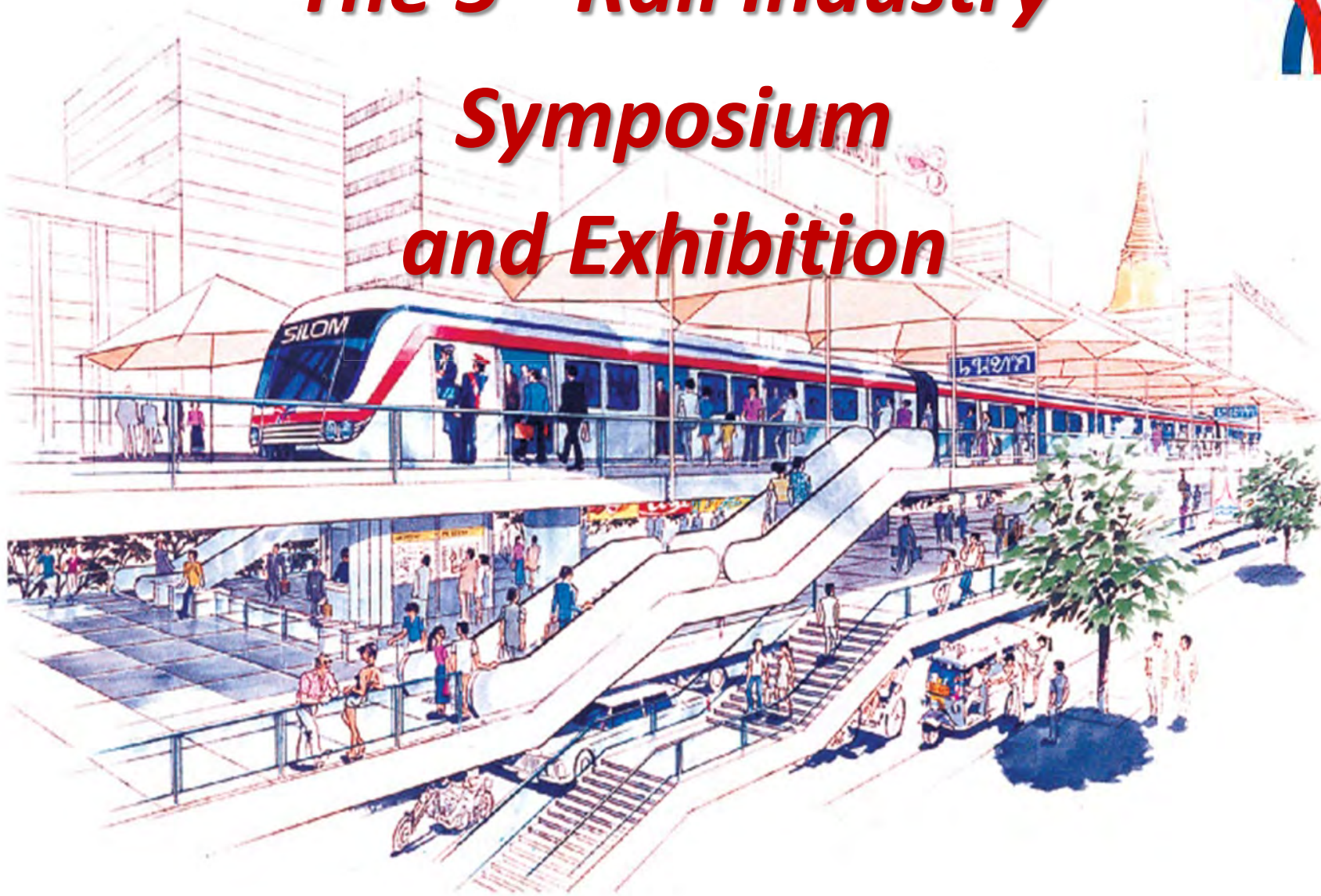


The 5th Rail Industry Symposium and Exhibition

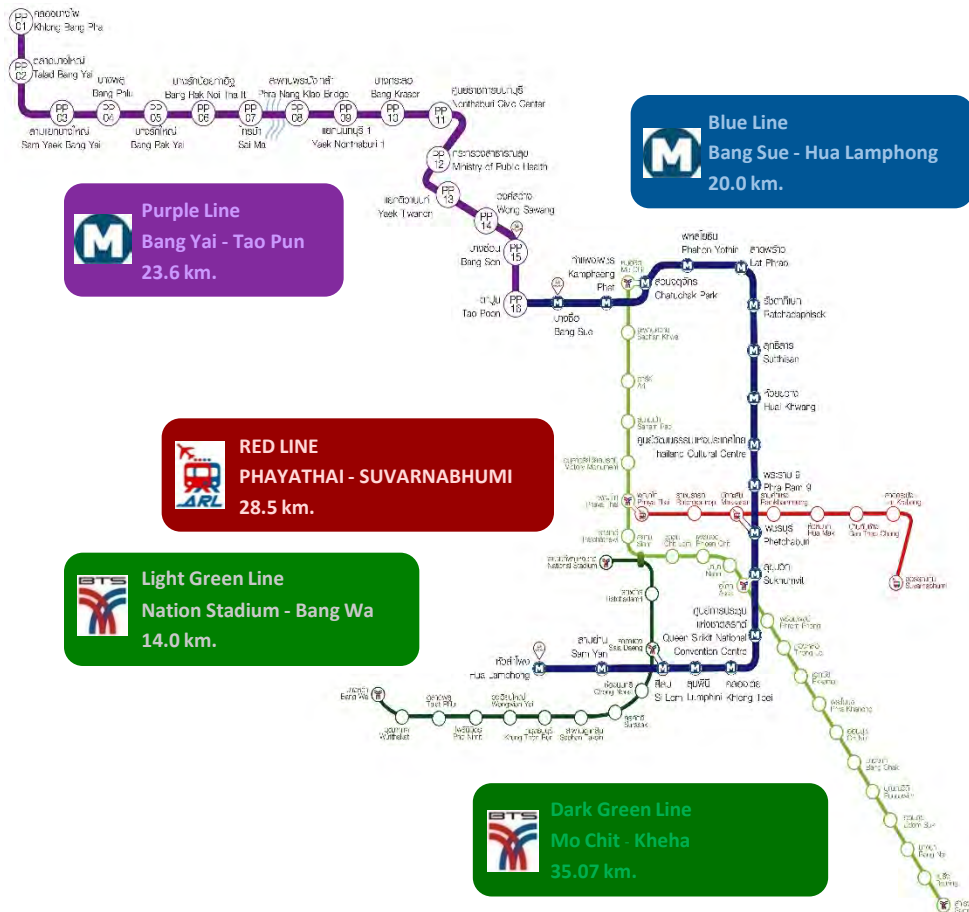


Existing Bangkok Mass Transit Network

Network Length 121.17 km., 85 Stations



LINE	ROUTE	DISTANCE (KM)	OPERATING SINCE
 DARK GREEN (CORE)	MO CHIT ON NUT	17.00	DEC 99
 LIGHT GREEN (CORE)	NATIONAL STADIUM SAPHAN TAKSIN	6.50	DEC 99
 BLUE MRT	BANG SUE HUA LAMPHONG	20.00	JUL 04
 LIGHT GREEN (EXTENSION)	SAPHAN TAKSIN WONGWIAN YAI	2.20	MAY 09
 RED LINE AIRPORT RAIL LINK	PHAYATHAI SUVARNAHUMI	28.50	AUG 10
 DARK GREEN (EXTENSION)	ON NUT BEARING	5.30	AUG 11
 LIGHT GREEN (EXTENSION)	WONGWIAN YAI BANG WA	5.30	DEC 13
 DARK GREEN (EXTENSION)	BEARING SAMRONG	1.77	APR 17
 PURPLE MRT	BANG YAI TAO PUN	23.60	AUG 17
 DARK GREEN (EXTENSION)	PU CHAO KHEHA	11.00	DEC 18



CORE NETWORK

EXTENSIONS TO OUR CURRENT CORE NETWORK



BTS 49.07 km.
(SkyTrain)



MRT 43.60 km.



SRT 28.50 km.
(Airport Rail Link)

BTS SkyTrain Information

EXISTING LINES : 49.05 KM, 43 STATIONS



Service Frequency

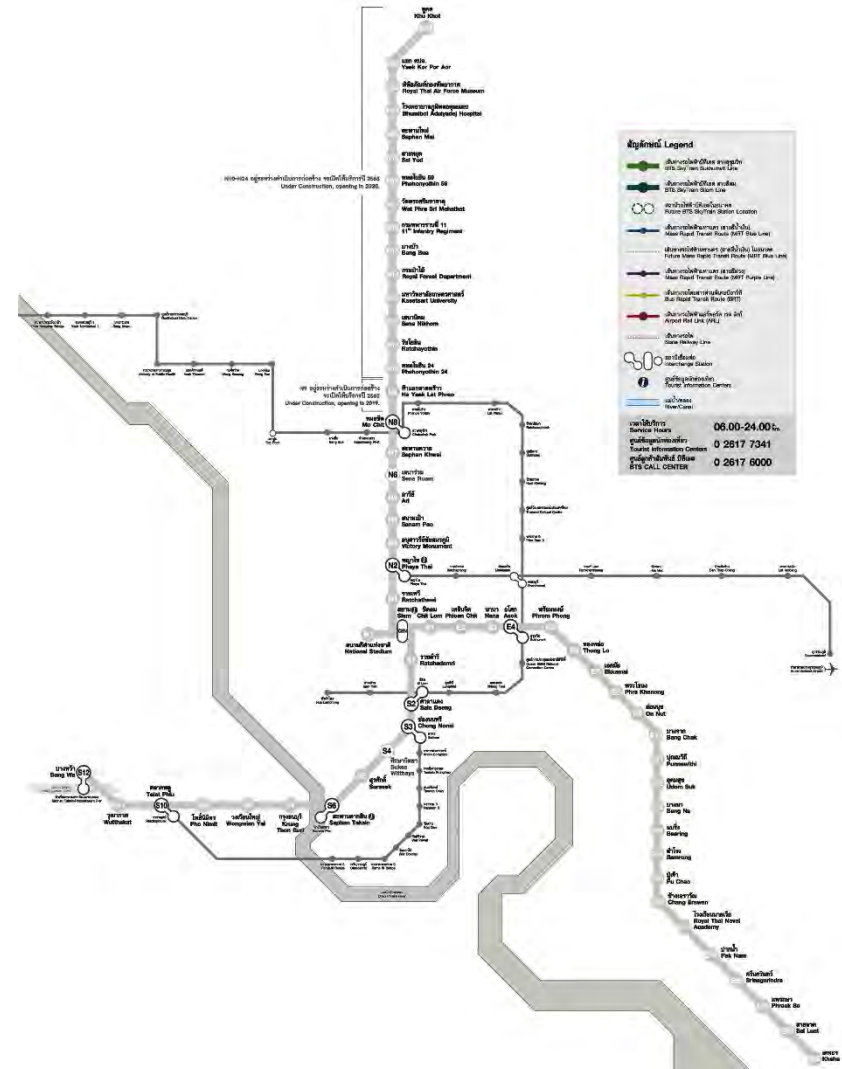
- Sukhumvit Line : 2 min 40 sec (Peak)
: 6 min 30 sec (Off Peak)
- Silom Line : 3 min 45 sec (Peak)
: 6 min 30 sec (Off Peak)

No. of Train

Current : 52 Trains

Future : 46 Trains

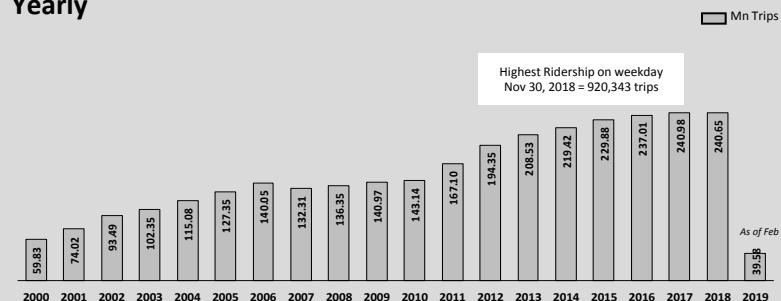
(22 Trains by Siemens, 24 Trains by CRRC)



BTS Ridership



Yearly



Jul, 2004

- Opening of Bangkok MRT System (Blue line)

Mar, 2007

- First fare rate increase

May, 2009

- Opening of Silom line extension

May, 2010

- Opening of Bangkok BRT
- Thai political protests

Aug, 2010

- Opening of Airport Rail Link

Aug, 2011

- On Nut - Bearing extension opening

Oct - Nov, 2011

- Flood

Apr, 2013

- Sale of net fare box revenue to BTS/GIF

Jun, 2013

- Fare increase

Nov, 2013

- Thai political protests

Dec, 2013

- Wongwian Yai - Bang Wa Extension opening

Jan, 2014

- Shut Down Bangkok

May, 2014

- Military takeover

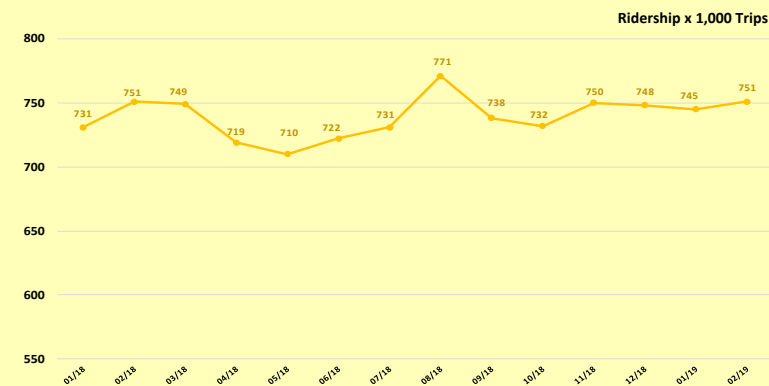
Aug, 2015

- Bomb @ Rachprasong

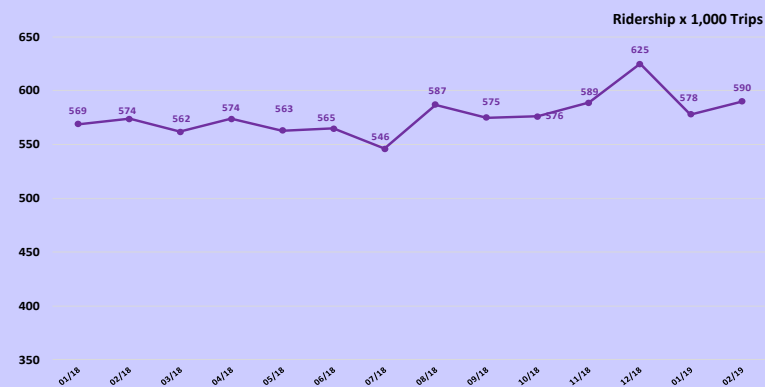
Apr, 2017

- Samrong extension opening

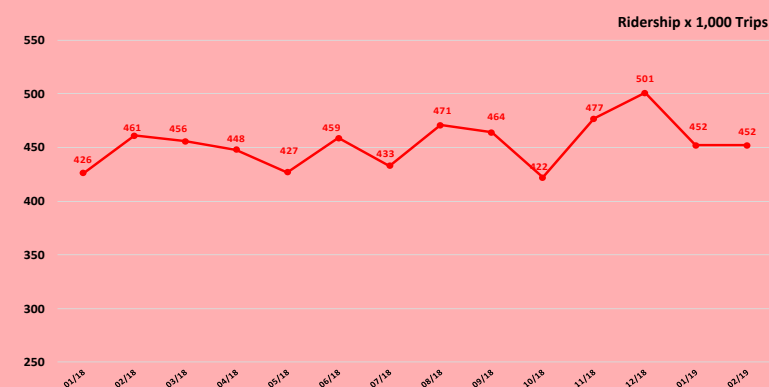
Weekday



Saturday



Sunday / Holiday



BTS Extensions and Future Projects

PINK LINE

- Khae Rai - Min Buri
- 34.5 (+2.8) km., 30 (+2) stations
- Civil works progress : 28.02% as of Feb 2019
- Target operation : Sep 2021

PPP NET COST WITH SUBSIDY

- Invest in civil work, E&M works and rolling stocks and provide O&M services
- Gov't subsidy not exceed civil works
- 30-year concession awarded
- Receive farebox revenue

ADDITIONAL EXTENSION

CORE NETWORK

CURRENT EXTENSION

DARK GREEN NORTH LINE

- (Mo Chit - Saphan Mai - Khukhot)
- 18.4 km., 16 Stations
- Civil works progress : 98.26% as of Feb 2019
- Target operation : Aug 2019 to N9, Dec 2019 to N13 and 2020 to N24

O&M CONTRACT

- Invest in rolling stocks and provide O&M services
- Finance E&M works on behalf of the BMA first
- Civil work invested by gov't

YELLOW LINE

- Lat Phrao - Samrong
- 30.4 (+2.6) km., 23 (+2) stations
- Civil works progress : 27.14% as of Feb 2019
- Target operation : Sep 2021

PPP NET COST WITH SUBSIDY

- Invest in civil work, E&M works and rolling stocks and provide O&M services
- Gov't subsidy not exceed civil works
- 30-year concession awarded
- Receive farebox revenue

DARK GREEN SOUTH LINE

- Bearing - Samut Prakarn
- 12.8 km., 9 stations
- Samrong (E15) operated in Apr 2017
- Pu Chao (E16) to Kheha (E23) operated in Dec 2018

O&M CONTRACT

- Invest in rolling stocks and provide O&M services
- Finance E&M works on behalf of the BMA first
- Civil work invested by gov't

Dark Green Line (North Extension)

Mo Chit - Saphan Mai - Khukhot



- **Distance : 18.4 km.**
- **Station : 16 stations**
- **Civil works progress : 98.26% as of Feb 2019**
- **Target operation : Aug 2019 to N9, Dec 2019 to N13, 2020 to N24**



Dark Green Line (North Extension)

Mo Chit - Saphan Mai – Khukhot(1st train into Lad Phrao, 8 July 2019)



Pink Line

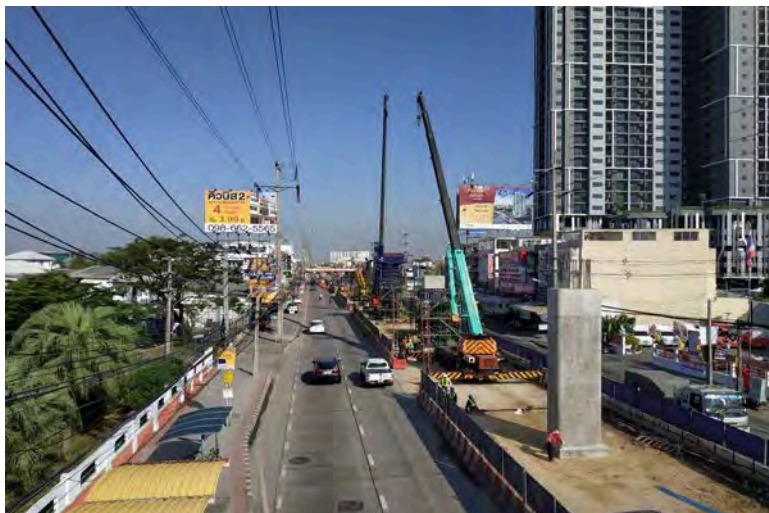
Khae Rai - Min Buri



- **Distance : 34.5 (+2.8) km.**
- **Station : 30 (+2) stations**
- **Civil works progress : 28.02% as of Feb 2019**
- **Target operation : Sep 2021**

Pink Line

Khae Rai - Min Buri

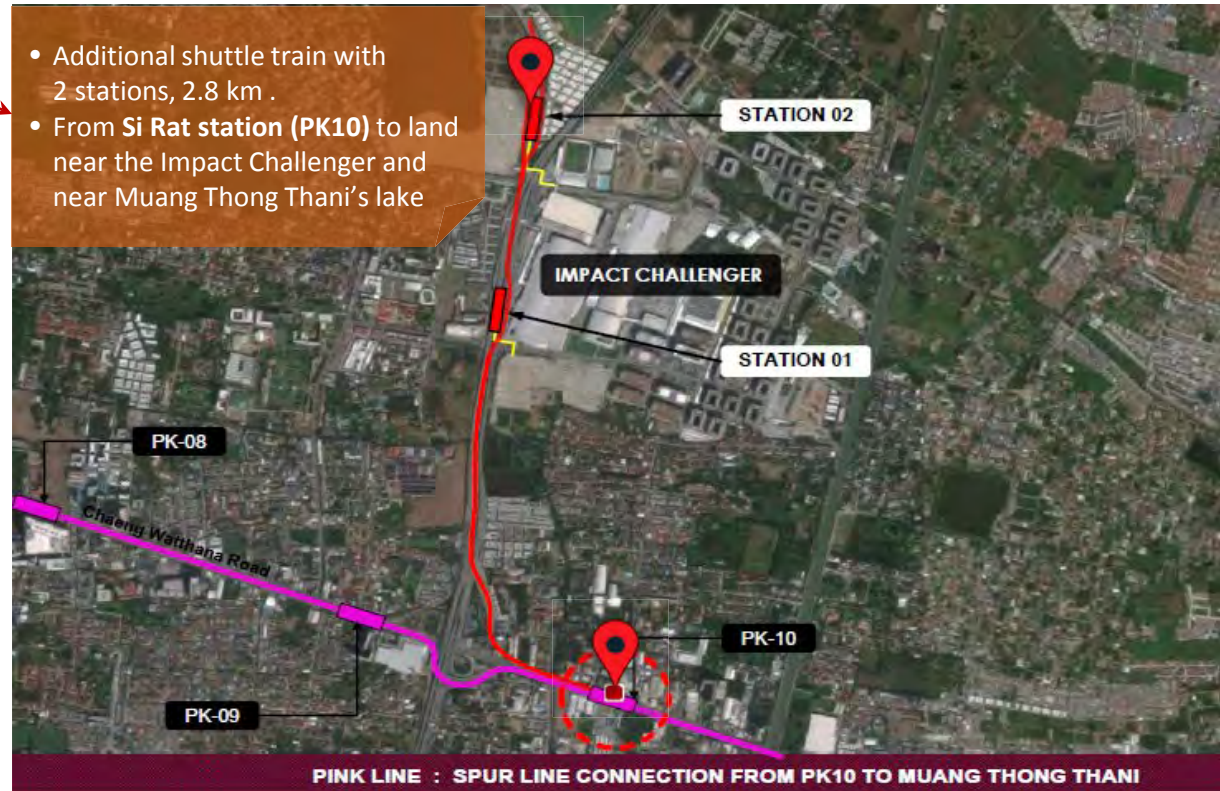


Pink Line

Khae Rai - Min Buri



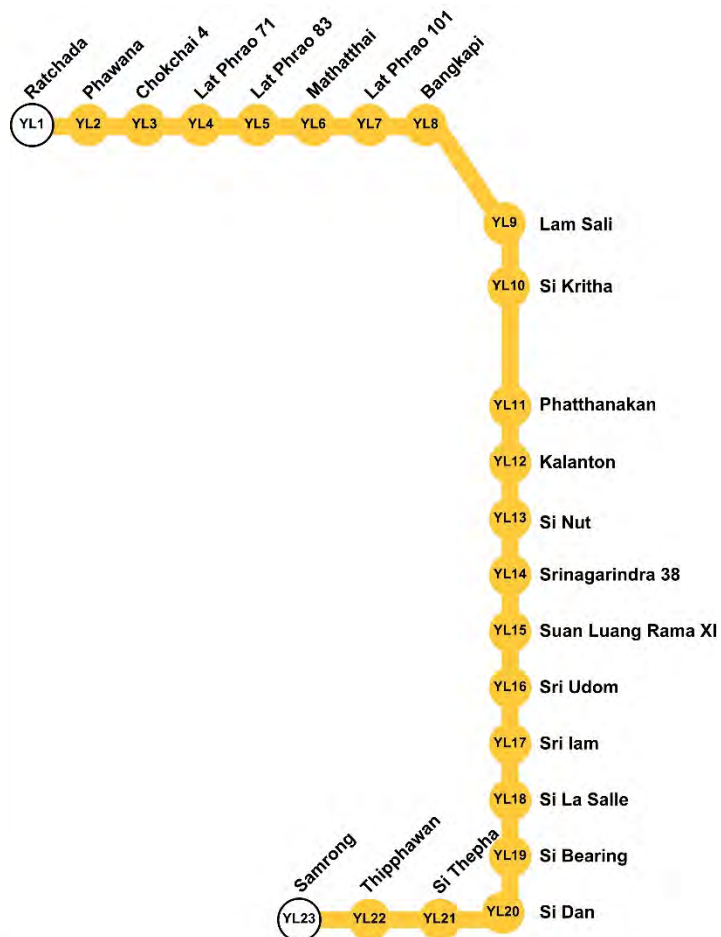
- Additional shuttle train with 2 stations, 2.8 km .
- From **Si Rat station (PK10)** to land near the Impact Challenger and near Muang Thong Thani's lake



REMARKS : These additional proposal of the Pink and Yellow line is approved by MRTA.

Yellow Line

Lat Phrao - Samrong



- **Distance : 30.4 (+2.6) km.**
- **Station : 23 (+2) stations**
- **Civil works progress : 27.14% as of Feb 2019**
- **Target operation : Sep 2021**



Yellow Line

Lat Phrao - Samrong



Yellow Line

Lat Phrao - Samrong



- Extend 2.6 km. (2 stations)
- from **Ratchada station** of yellow line to **Ratchayothin Station** of the Green North extension



REMARKS: These additional proposal of the Pink and Yellow line approved by MRTA.

Gold Line



Phase 1 : 1.8 Km., G1 - G3 (Thonburi - Charoen Nakorn - Taksin Hospital)

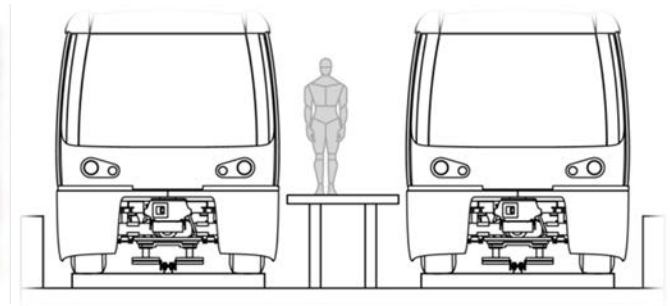
Phase 2 : 0.9 Km., G4

The Gold Line Project is to be interconnection route to BTSC at station S7 (Krung Thongburi), which will extend from the initial stage, Thonburi Station (G1) including depot area with two stops at the first launch G2 Charoen Nakorn station (Icon Siam) and G3 Taksin Hospital while another one stop will be added later in phase 2 and the station named G4. The route runs along an elevated guideway. The distance approximately 1.8 km. Total distance 2.7 km.



Gold Line

Rolling Stock : Bombardier INNOVIA APM 300



Gold Line



- **Distance : 1.8 km.**
- **Station : 3 stations**
- **Works progress : 17.2% as of Feb 2019**
- **Target operation : March 2021**



Ticketing Information

Contactless Smart Card (Stored-Value)

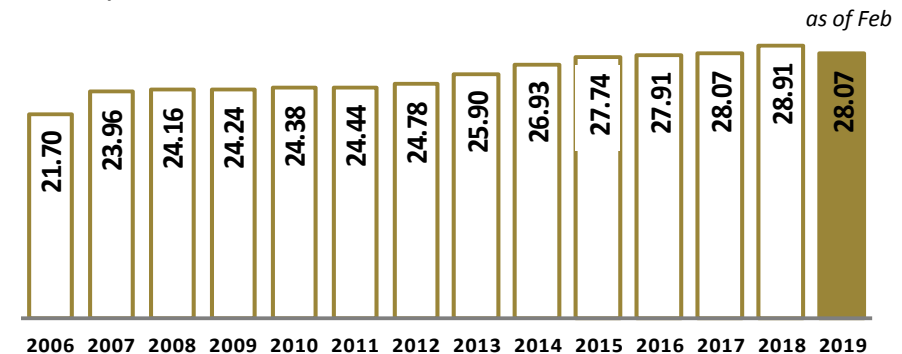


Common Ticketing

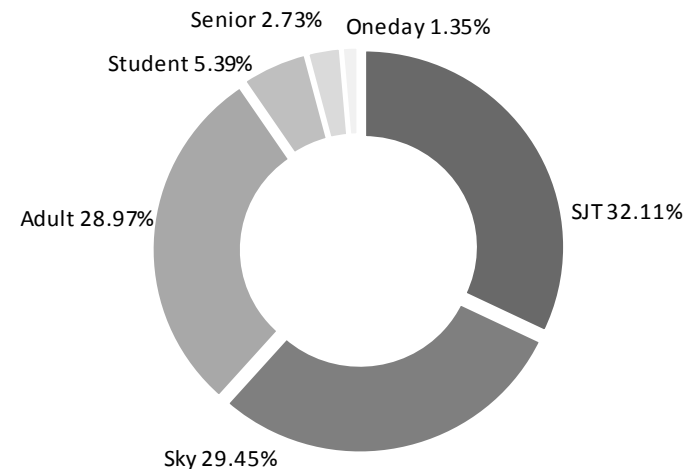
- In April 2007 upgrade magnetic ticket to contactless smart card.
- Applications include BTS, BTS Extensions, BRT and retails.
- Interoperability with other public transportations.
- The number of rabbit cards increased from **1 million to 10 million cards** and coverage extends to over 200 brands with more than 10,000 outlets.

HISTORICAL AVERAGE FARE

THB / Trip



RIDERSHIP BY TICKET TYPES



AFC Thin Card Project



Rabbit Line Pay X BTS



NO QUEUE

A black and white photograph showing the lower legs and feet of a group of people standing in a line, suggesting a queue at a transit station.

ACCEPT CREDIT CARD

A black and white photograph showing a hand holding a credit card and another hand holding a smartphone, illustrating the payment process.

CHECK BALANCE

A black and white photograph of a person wearing a dark shirt, holding a smartphone in their right hand and gesturing with their left hand.

**LOSING CARD,
NOT LOSING MONEY**

A black and white photograph showing a hand holding a credit card, with the text 'LOSING CARD, NOT LOSING MONEY' overlaid.

Thank You



QUESTIONS, you can ask or mail me later

Noppapoln@bts.co.th