

11 OCTOBER 2021

THAILAND / TRANSPORT & LOGISTICS

BANGKOK EXPRESSWAY AND METRO

BEM TB

BUY
UNCHANGED

TARGET PRICE	THB9.90
CLOSE	THB9.05
UP/DOWNSIDE	+9.4%
PRIOR TP	THB8.70
CHANGE IN TP	+13.8%
TP vs CONSENSUS	+2.1%

จุดที่เลวร้ายที่สุดน่าจะผ่านไปแล้ว

กำไร 3Q21 น่าจะเป็นจุดต่ำสุด

ใน 3Q21 เราคาดว่ารายได้ของ BEM จะลดลง 10% q-q เป็น 2.2 พัน ลบ. เนื่องจาก 1) รายได้จากธุรกิจทางด่วนอาจลดลง 9% q-q จากปริมาณจราจรที่ลดลง 13% q-q ซึ่งเป็นอัตราการลดที่ต่ำลงเมื่อเทียบกับ 2Q21 เนื่องจากมีวันหยุดที่บริษัท ยกเว้นค่าผ่านทางน้อยกว่าใน 3Q21; และ 2) รายได้จากธุรกิจรถไฟฟ้าจะลดลง 12% q-q เนื่องจากตัวเลขผู้โดยสารลดลงในช่วงปิดเมืองถึง 72% q-q ในด้านต้นทุนเราคาดว่าค่าใช้จ่ายของ BEM จะลดลงต่อเนื่องจากไตรมาสก่อนหน้า บริษัท ได้เลื่อนต้นทุนบำรุงรักษาทางด่วนและลดค่าใช้จ่ายการขายและการบริหารมากยิ่งขึ้นในช่วงปิดเมือง ท้ายที่สุด BEM จะได้รับรายได้เงินปันผลจาก TTW (TTW TB, NR) จำนวน 263 ลบ. ซึ่งอาจช่วยให้บริษัท บันทึกกำไรได้เล็กน้อยที่ 24 ลบ. (-97% y-y, -88% q-q)

สัญญาณฟื้นตัวที่ดีในเดือน ก.ย. 2021

BEM ประกาศตัวเลขปริมาณจราจรและผู้โดยสารต่อวันในเดือน ก.ย. 21 ที่ 0.78 ล้าน (+32% m-m) และ 0.1 ล้าน (+60% m-m) ตามลำดับ ซึ่งแสดงให้เห็นถึงการฟื้นตัวที่ดีจากเดือน ส.ค. 21 จากการผ่อนคลายมาตรการปิดเมืองของรัฐ หลังตัวเลขผู้ติดเชื้อ Covid อยู่ในระดับที่ควบคุมได้มากยิ่งขึ้นและการระดมฉีดวัคซีน เราเชื่อว่ากระแสการฟื้นตัวนี้จะเกิดต่อเนื่องในเดือนต่อมา BEM คาดว่าในช่วงวันทำงานในเดือน ต.ค. 21 ปริมาณจราจรและผู้โดยสารต่อวันน่าจะอยู่ที่ 0.96 ล้านและ 0.14 ล้านตามลำดับ

เสถียรระยะสั้นแต่ได้ระยะยาว

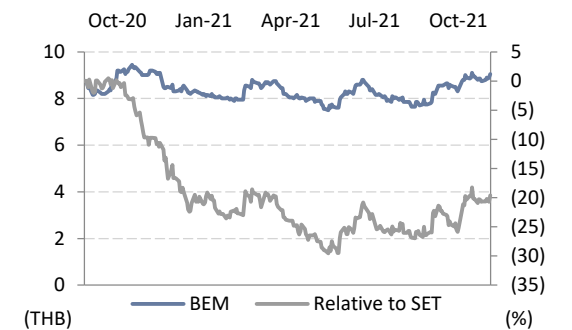
เราปรับลดประมาณการรายได้ของ BEM ในปี 2021 และ 2022 เพื่อสะท้อนผลกระทบของ Covid-19 ปัจจุบันเราคาดว่ารายได้ของ BEM จะลดลง 47% และ 20% ในปี 2021 และ 2022 ตามลำดับ อย่างไรก็ตามเราปรับเพิ่มประมาณการกำไรตั้งแต่ปี 2023 ขึ้นเล็กน้อย เนื่องจากเราเชื่อว่าบริษัท น่าจะสามารถรักษาต้นทุนได้อย่างมีประสิทธิภาพมากขึ้นหลัง Covid บังคับให้บริษัท ลดต้นทุน เราคิดว่าแนวโน้มของ BEM จะยังดีในระยะยาวหลังทุกอย่างกลับเป็นปกติ

คำแนะนำซื้อที่ราคาเป้าหมายปี 2022 ที่ 9.90 บาท

เราเชื่อว่าผลประกอบการในด้านกำไรที่แย่ที่สุดของ BEM ได้ผ่านพ้นไปแล้ว สอดคล้องกับสถานการณ์ Covid ที่ดีขึ้นในประเทศไทย เราเห็นว่าปริมาณจราจรและผู้โดยสารและกำไรของบริษัท น่าจะปรับตัวดีขึ้นในทุกไตรมาสนับจากนี้ นอกจากนี้รัฐบาลน่าจะสรุปโครงการรถไฟฟ้าในอนาคตได้ในเร็ววัน ซึ่งอาจเป็นอีกปัจจัยบวกสำหรับบริษัท เราคงแนะนำซื้อหลังปรับราคาเป้าหมายเป็น 9.90 บาท (SOTP)

KEY STOCK DATA

YE Dec (THB m)	2020	2021E	2022E	2023E
Revenue	13,489	11,072	14,422	17,484
Net profit	2,048	966	3,176	5,286
EPS (THB)	0.13	0.06	0.21	0.35
vs Consensus (%)	-	(7.7)	(4.1)	22.4
EBITDA	5,925	3,519	6,306	8,883
Core net profit	2,048	966	3,176	5,286
Core EPS (THB)	0.13	0.06	0.21	0.35
Chg. In EPS est. (%)	-	(47.6)	(20.3)	10.6
EPS growth (%)	(24.7)	(52.8)	228.8	66.4
Core P/E (x)	67.6	143.2	43.5	26.2
Dividend yield (%)	0.6	0.3	1.1	1.9
EV/EBITDA (x)	34.7	57.9	31.7	22.0
Price/book (x)	3.6	3.6	3.5	3.2
Net debt/Equity (%)	176.8	170.1	153.3	132.1
ROE (%)	5.3	2.5	8.1	12.8



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	7.7	14.6	3.4
Relative to country (%)	7.8	7.9	(19.6)
Mkt cap (USD m)	4,085		
3m avg. daily turnover (USD m)	10.7		
Free float (%)	53		
Major shareholder	CH.Karnchang PCL (31%)		
12m high/low (THB)	9.50/7.40		
Issued shares (m)	15,285.00		

Sources: Bloomberg consensus; FSSIA estimates



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PREPARED BY FSS INTERNATIONAL INVESTMENT ADVISORY SECURITIES CO LTD (FSSIA). ANALYST CERTIFICATION AND IMPORTANT DISCLOSURES CAN BE FOUND AT THE END OF THIS REPORT

บทวิเคราะห์ฉบับนี้แปลมาจากบทวิเคราะห์ของ FSSIA ฉบับวันที่ 11 ตุลาคม 2021

Investment thesis

BEM is the only public company that has been granted concessions to construct and operate expressways, which presently total 87.56km. The company has also secured two mass transit lines (Blue and Purple), and is ranked as the second largest mass transit operator in Thailand.

The company has solid historical growth, and we expect that momentum to continue thanks to Bangkok's continued expansion and its citizens' demand for public transportation.

We expect the company to have a solid recovery on both expressway traffic and the ridership on its Blue mass transit line, following more visible signs of recovery, in line with the improving Covid-19 situation.

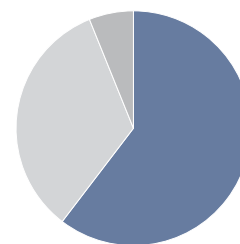
Company profile

Construction and operation of the Expressway and the operational management of the Mass Rapid Transit System, including related businesses.

www.bemplc.co.th

Principal activities (revenue, 2020)

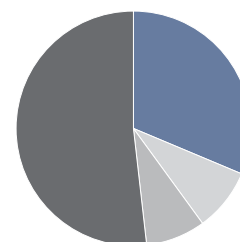
- Expressway - 60.4 %
- Mass transit - 33.5 %
- Commercial development - 6.1 %



Source: Bangkok Expressway and Metro

Major shareholders

- CH.Karnchang PCL - 31.3 %
- Thai NVDR - 8.7 %
- Mass Rapid Transit Authority of Thailand - 8.2 %
- Others - 51.8 %



Source: Bangkok Expressway and Metro

Catalysts

- Gaining the upper hand in the bidding for the MRT Orange Line.
- Traffic and ridership should have a strong recovery after Covid-19 is under control.

Risks to our call

The key downside risks to our SoTP-based TP are 1) traffic and ridership recovering more slowly than our expectation; and 2) the company being unable to win the new mass transit project bids.

Event calendar

Date	Event
Early Nov-21	Oct-21 traffic and ridership announcement
Nov-21	3Q21 results announcement

Key assumptions

	2020	2021E	2022E	2023E
Toll traffic (m trips/day)	1.06	0.86	1.06	1.18
Toll traffic growth (%)	(14.4)	(18.8)	23.4	10.9
Mass transit ridership (m trips/day)	0.26	0.15	0.32	0.47
Mass transit ridership growth (%)	(22.6)	(42.5)	113.3	45.8

Source: FSSIA estimates

Earnings sensitivity

- For every 10,000-passenger increase in average daily expressway traffic, we project 2021 earnings to rise by 1.6%, and vice versa, all else being equal;
- For every 10,000-passenger increase in average daily mass transit ridership, we project 2021 earnings to rise by 1.8%, and vice versa, all else being equal.

Source: FSSIA estimates

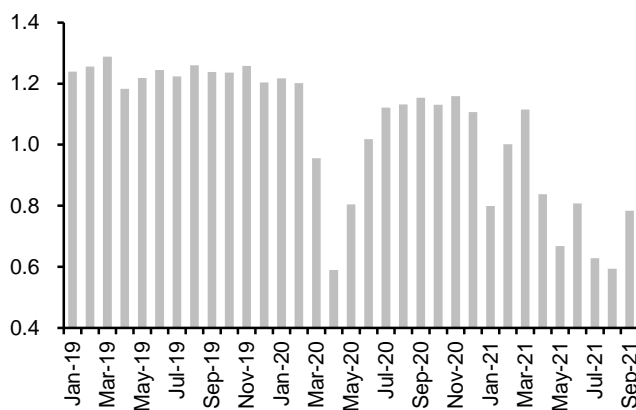
Exhibit 1: 3Q21E results preview

	3Q20	2Q21	3Q21E	Change		9M20	9M21E	Change	2021E
	(THB m)	(THB m)	(THB m)	(q-q%)	(y-y%)	(THB m)	(THB m)	(y-y%)	(THB m)
Expressway revenue	2,148	1,403	1,279	(8.8)	(40.5)	5,953	4,555	(23.5)	6,797
Rail revenue	1,210	801	704	(12.1)	(41.8)	3,319	2,527	(23.9)	3,447
Commercial development revenue	214	199	189	(5.2)	(11.9)	586	603	3.0	828
Revenue	3,572	2,403	2,171	(9.6)	(39.2)	9,858	7,685	(22.0)	11,072
Operating costs	(2,026)	(1,723)	(1,654)	(4.0)	(18.3)	(6,341)	(5,334)	(15.9)	(7,400)
Gross profit	1,546	680	517	(23.9)	(66.5)	3,516	2,351	(33.1)	3,672
SG&A expenses	(300)	(283)	(254)	(10.3)	(15.3)	(945)	(851)	(9.9)	(1,175)
EBIT	1,247	396	263	(33.6)	(78.9)	2,571	1,500	(41.7)	2,497
Depn & amort.	378	253	326	29.0	(13.9)	1,468	903	(38.5)	1,022
EBITDA	1,625	649	589	(9.2)	(63.7)	4,039	2,403	(40.5)	3,519
<i>EBITDA margin (%)</i>	45	27	27	nm	nm	41	31	nm	32
Interest expense	(560)	(549)	(551)	0.3	(1.6)	(1,563)	(1,632)	4.4	(2,078)
Other income	294	339	318	(6.1)	8.0	727	731	0.5	769
Associates	0	0	0	nm	nm	4	0	(100.0)	0
Extra items	981	186	30	(83.6)	(96.9)	1,738	598	(65.6)	1,188
Pretax profit	(148)	15	(6)	(141.1)	(95.9)	(242)	(67)	(72.3)	(220)
Tax	(15)	8	(20)	nm	nm	(14)	(11)	nm	(19)
<i>Tax rate (%)</i>	2	0	0	(27.5)	(94.3)	5	1	(80.1)	2
Minority interests	832	200	24	(87.9)	(97.1)	1,492	530	(64.5)	966
Net profit	832	200	24	(87.9)	(97.1)	1,489	530	(64.4)	966
Core net profit	0.05	0.01	0.00	(87.9)	(97.1)	0.10	0.03	(64.5)	0.06
EPS (THB)	0.05	0.01	0.00	(87.9)	(97.1)	0.10	0.03	(64.4)	0.06
Core EPS (THB)	2,148	1,403	1,279	(8.8)	(40.5)	5,953	4,555	(23.5)	6,797

Sources: BEM; FSSIA estimates

Exhibit 2: Expressway traffic

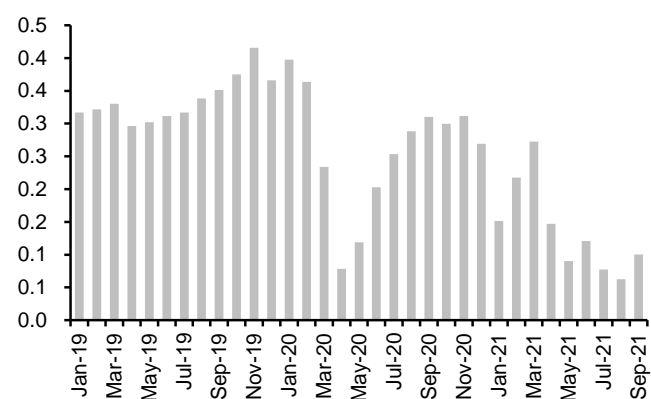
(m trips)



Source: BEM

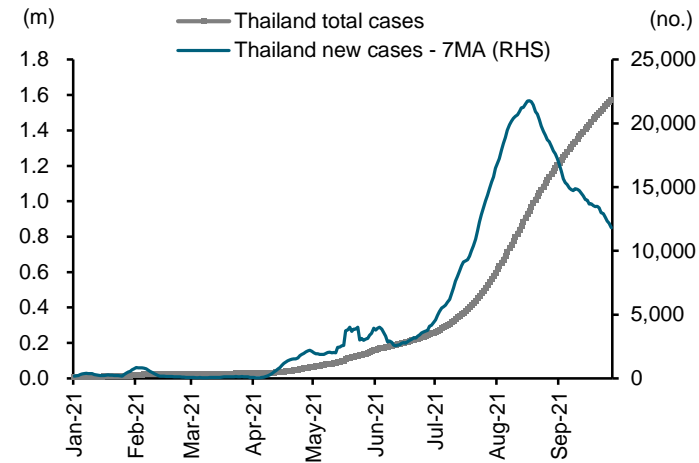
Exhibit 3: Mass transit ridership

(000' trips)



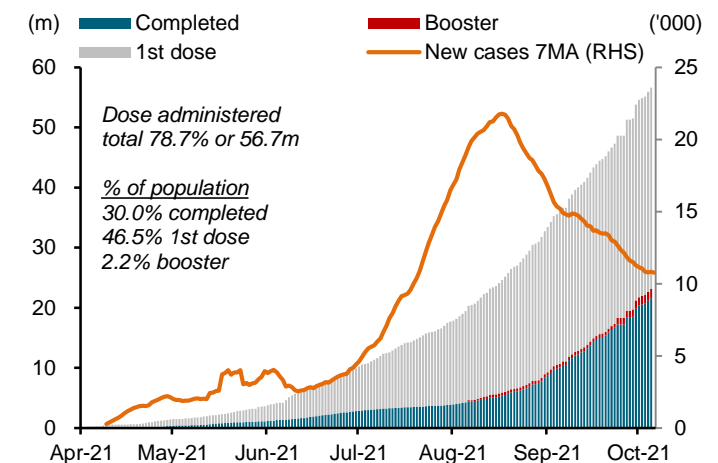
Source: BEM

Exhibit 4: Daily Covid cases in Thailand



Source: Worldometers.info

Exhibit 5: Vaccination rollout in Thailand



Source: Worldometers.info

Exhibit 6: Assumption and forecast changes

	Current			Previous			Change		
	2021E (THB m)	2022E (THB m)	2023E (THB m)	2021E (THB m)	2022E (THB m)	2023E (THB m)	2021E (%)	2022E (%)	2023E (%)
Expressway traffic (trips/day)	860,302	1,061,830	1,177,958	951,625	1,111,350	1,127,960	(9.6)	(4.5)	4.4
Mass transit ridership (trips/day)	150,000	320,000	466,522	184,550	414,111	466,522	(18.7)	(22.7)	0.0
Revenue	11,072	14,422	17,484	12,236	15,997	17,175	(9.5)	(9.8)	1.8
Gross profit*	3,672	6,451	9,268	4,626	7,414	8,400	(20.6)	(13.0)	10.3
EBITDA	3,519	6,306	8,883	4,473	7,129	8,042	(21.3)	(11.5)	10.5
Net profit	966	3,176	5,286	1,844	3,987	4,779	(47.6)	(20.3)	10.6
Margin	(%)	(%)	(%)	(%)	(%)	(%)	(ppt)	(ppt)	(ppt)
Gross profit margin	33.2	44.7	53.0	37.8	46.3	48.4	(4.6)	(1.6)	4.6
Net profit margin	8.7	22.0	30.2	15.1	24.9	27.6	(6.3)	(2.9)	2.6

*Including depreciation and amortisation

Source: FSSIA estimates

Exhibit 7: BEM – SOTP valuation

Cost of equity assumptions		(%)	Cost of debt assumptions		(%)
Risk-free rate		3	Pretax cost of debt		3.9
Market risk premium		8	Marginal tax rate		20.0
Stock beta		1			
Cost of equity, Ke		11	Net cost of debt, Kd		3.12
Weight applied		45	Weight applied		55
WACC		6.7			
SOTP valuation	(THB m)		(THB/share)	Comments	
Mass transit	85,851		5.62	WACC 6.7%, beta 0.99, zero terminal growth	
Expressway	97,597		6.39	WACC 7.1%, beta 1, zero terminal growth	
Commercial development	10,711		0.70	WACC 7.9%, beta 1.05, 2% terminal growth	
Investment	18,134		1.19	17% stake in CKP using FSSIA TP of THB6.6 and 18% stake in TTW using market price	
Net debt	(61,550)		(4.03)	At end-2022E	
Total	150,742				
Number of shares (m)	15,285				
TP (THB)	9.9				

Sources: BEM; Bloomberg; FSSIA estimates

Financial Statements

Bangkok Expressway and Metro

Profit and Loss (THB m) Year Ending Dec	2019	2020	2021E	2022E	2023E
Revenue	16,107	13,489	11,072	14,422	17,484
Cost of goods sold	(5,890)	(6,218)	(6,378)	(6,832)	(7,062)
Gross profit	10,217	7,271	4,694	7,589	10,421
Other operating income	-	-	-	-	-
Operating costs	(1,336)	(1,347)	(1,175)	(1,284)	(1,539)
Operating EBITDA	8,881	5,925	3,519	6,306	8,883
Depreciation	(4,420)	(2,209)	(1,022)	(1,138)	(1,153)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	4,460	3,716	2,497	5,168	7,730
Net financing costs	(1,330)	(1,816)	(1,833)	(1,790)	(1,643)
Associates	173	0	0	0	0
Recurring non-operating income	487	534	524	543	560
Non-recurring items	3,590	0	0	0	0
Profit before tax	7,207	2,433	1,188	3,921	6,647
Tax	(1,755)	(382)	(220)	(725)	(1,329)
Profit after tax	5,452	2,051	968	3,196	5,317
Minority interests	(17)	(4)	(2)	(19)	(32)
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
Reported net profit	5,435	2,048	966	3,176	5,286
Non-recurring items & goodwill (net)	(2,716)	0	0	0	0
Recurring net profit	2,719	2,048	966	3,176	5,286
Per share (THB)					
Recurring EPS *	0.18	0.13	0.06	0.21	0.35
Reported EPS	0.36	0.13	0.06	0.21	0.35
DPS	0.15	0.05	0.03	0.10	0.17
Diluted shares (used to calculate per share data)	15,285	15,285	15,285	15,285	15,285
Growth					
Revenue (%)	3.2	(16.3)	(17.9)	30.3	21.2
Operating EBITDA (%)	2.1	(33.3)	(40.6)	79.2	40.9
Operating EBIT (%)	(0.4)	(16.7)	(32.8)	107.0	49.6
Recurring EPS (%)	(15.4)	(24.7)	(52.8)	228.8	66.4
Reported EPS (%)	2.2	(62.3)	(52.8)	228.8	66.4
Operating performance					
Gross margin inc. depreciation (%)	36.0	37.5	33.2	44.7	53.0
Gross margin of key business (%)	36.0	37.5	33.2	44.7	53.0
Operating EBITDA margin (%)	55.1	43.9	31.8	43.7	50.8
Operating EBIT margin (%)	27.7	27.5	22.6	35.8	44.2
Net margin (%)	16.9	15.2	8.7	22.0	30.2
Effective tax rate (%)	24.4	16.0	18.5	18.5	20.0
Dividend payout on recurring profit (%)	84.3	40.1	50.0	50.0	50.0
Interest cover (X)	3.7	2.3	1.6	3.2	5.0
Inventory days	-	-	-	-	-
Debtor days	11.3	13.9	14.5	9.7	10.0
Creditor days	112.2	108.1	89.9	77.6	79.1
Operating ROIC (%)	(1,125.7)	372.5	231.6	761.1	1,016.2
ROIC (%)	3.9	3.1	2.2	4.3	6.4
ROE (%)	7.3	5.3	2.5	8.1	12.8
ROA (%)	3.5	3.1	2.2	4.1	5.9

* Pre-exceptional, pre-goodwill and fully diluted

Revenue by Division (THB m)	2019	2020	2021E	2022E	2023E
Expressway	10,302	8,145	6,797	8,251	9,465
Mass transit	5,022	4,520	3,447	5,268	6,877
Commercial development	783	825	828	904	1,143

Sources: Bangkok Expressway and Metro; FSSIA estimates

Financial Statements

Bangkok Expressway and Metro

Cash Flow (THB m) Year Ending Dec	2019	2020	2021E	2022E	2023E
Recurring net profit	2,719	2,048	966	3,176	5,286
Depreciation	4,420	2,209	1,022	1,138	1,153
Associates & minorities	(156)	4	2	19	32
Other non-cash items	2,430	1,938	33	33	32
Change in working capital	(1,672)	(846)	480	1,492	1,450
Cash flow from operations	7,741	5,352	2,503	5,859	7,953
Capex - maintenance	(47)	(128)	(80)	(80)	(180)
Capex - new investment	(707)	(827)	0	0	0
Net acquisitions & disposals	(35)	(11)	0	0	0
Other investments (net)	(6,774)	(2,758)	(230)	(230)	(210)
Cash flow from investing	(7,563)	(3,724)	(310)	(310)	(390)
Dividends paid	(2,293)	(1,376)	(483)	(1,588)	(2,643)
Equity finance	0	0	0	0	0
Debt finance	3,922	2,696	172	(1,097)	(4,904)
Other financing cash flows	(1,630)	(2,038)	6	24	37
Cash flow from financing	(1)	(717)	(305)	(2,661)	(7,510)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	(125)	(933)	0	0	0
Movement in cash	53	(23)	1,888	2,888	53
Free cash flow to firm (FCFF)	1,901.59	3,740.02	4,270.47	7,593.51	9,460.62
Free cash flow to equity (FCFE)	2,345.57	1,352.69	2,370.85	4,475.82	2,695.98
Per share (THB)					
FCFF per share	0.12	0.24	0.28	0.50	0.62
FCFE per share	0.15	0.09	0.16	0.29	0.18
Recurring cash flow per share	0.62	0.41	0.13	0.29	0.43
Balance Sheet (THB m) Year Ending Dec	2019	2020	2021E	2022E	2023E
Tangible fixed assets (gross)	775	888	938	988	1,138
Less: Accumulated depreciation	(463)	(508)	(581)	(658)	(747)
Tangible fixed assets (net)	311	379	356	330	391
Intangible fixed assets (net)	75,373	77,195	76,506	75,705	74,881
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	17,097	15,841	15,841	15,841	15,841
Cash & equivalents	1,861	1,838	3,726	6,613	6,667
A/C receivable	2,131	2,199	1,983	2,084	2,177
Inventories	-	-	-	-	-
Other current assets	455	1,007	266	332	385
Current assets	4,448	5,044	5,975	9,029	9,228
Other assets	14,468	15,157	13,753	12,497	11,260
Total assets	111,697	113,616	112,431	113,402	111,601
Common equity	38,781	37,991	38,476	40,084	42,759
Minorities etc.	42	42	44	63	95
Total shareholders' equity	38,823	38,034	38,521	40,147	42,854
Long term debt	57,416	57,728	61,000	63,000	56,000
Other long-term liabilities	4,028	4,120	2,558	2,919	3,179
Long-term liabilities	61,445	61,848	63,558	65,919	59,179
A/C payable	1,938	1,745	1,399	1,507	1,553
Short term debt	8,916	11,360	8,260	5,164	7,260
Other current liabilities	574	629	693	666	755
Current liabilities	11,429	13,734	10,352	7,336	9,568
Total liabilities and shareholders' equity	111,697	113,616	112,431	113,402	111,601
Net working capital	73	832	157	243	253
Invested capital	107,322	109,404	106,613	104,616	102,626
* Includes convertibles and preferred stock which is being treated as debt					
Per share (THB)					
Book value per share	2.54	2.49	2.52	2.62	2.80
Tangible book value per share	(2.39)	(2.56)	(2.49)	(2.33)	(2.10)
Financial strength					
Net debt/equity (%)	166.1	176.8	170.1	153.3	132.1
Net debt/total assets (%)	57.7	59.2	58.3	54.3	50.7
Current ratio (x)	0.4	0.4	0.6	1.2	1.0
CF interest cover (x)	3.3	2.2	2.3	3.5	2.6
Valuation	2019	2020	2021E	2022E	2023E
Recurring P/E (x) *	50.9	67.6	143.2	43.5	26.2
Recurring P/E @ target price (x) *	55.7	73.9	156.6	47.6	28.6
Reported P/E (x)	25.5	67.6	143.2	43.5	26.2
Dividend yield (%)	1.7	0.6	0.3	1.1	1.9
Price/book (x)	3.6	3.6	3.6	3.5	3.2
Price/tangible book (x)	(3.8)	(3.5)	(3.6)	(3.9)	(4.3)
EV/EBITDA (x) **	22.8	34.7	57.9	31.7	22.0
EV/EBITDA @ target price (x) **	24.3	36.9	61.6	33.8	23.4
EV/invested capital (x)	1.9	1.9	1.9	1.9	1.9
* Pre-exceptional, pre-goodwill and fully diluted ** EBITDA includes associate income and recurring non-operating income					

Sources: Bangkok Expressway and Metro; FSSIA estimates

Corporate Governance report of Thai listed companies 2020

EXCELLENT LEVEL										
AAV	ADVANC	AF	AIRA	AKP	AKR	ALT	AMA	AMATA	AMATAV	ANAN
AOT	AP	ARIP	ARROW	ASP	BAFS	BANPU	BAY	BCP	BCPG	BDMS
BEC	BEM	BGRIM	BIZ	BKI	BLA	BOL	BPP	BRR	BTS	BWG
CENTEL	CFRESH	CHEWA	CHO	CIMBT	CK	CKP	CM	CNT	COL	COMAN
COTTO	CPALL	CPF	CPI	CPN	CSS	DELTA	DEMCO	DRT	DTAC	DTC
DV8	EA	EASTW	ECF	ECL	EGCO	EPG	ETE	FNS	FPI	FPT
FSMART	GBX	GC	GCAP	GEL	GFPT	GGC	GPSC	GRAMMY	GUNKUL	HANA
HARN	HMPRO	ICC	ICHI	III	ILINK	INTUCH	IRPC	IVL	JKN	JSP
JWD	K	KBANK	KCE	KKP	KSL	KTB	KTC	LANNA	LH	LHFG
LIT	LPN	MAKRO	MALEE	MBK	MBKET	MC	MCOT	METCO	MFEC	MINT
MONO	MOONG	MSC	MTC	NCH	NCL	NEP	NKI	NOBLE	NSI	NVD
NYT	OISHI	ORI	OTO	PAP	PCSGH	PDJ	PG	PHOL	PLANB	PLANET
PLAT	PORT	PPS	PR9	PREB	PRG	PRM	PSH	PSL	PTG	PTT
PTTEP	PTTGC	PYLON	Q-CON	QH	QTC	RATCH	RS	S	S & J	SAAM
SABINA	SAMART	SAMTEL	SAT	SC	SCB	SCC	SCCC	SCG	SCN	SDC
SEAFCO	SEOIL	SE-ED	SELIC	SENA	SIRI	SIS	SITHAI	SMK	SMPC	SNC
SONIC	SORKON	SPALI	SPI	SPRC	SPVI	SSSC	SST	STA	SUSCO	SUTHA
SVI	SYMC	SYNTEC	TACC	TASCO	TCAP	TFMAMA	THANA	THANI	THCOM	THG
THIP	THRE	THREL	TIP	TIPCO	TISCO	TK	TKT	TTB	TMILL	TNDT
TNL	TOA	TOP	TPBI	TQM	TRC	TSC	TSR	TSTE	TSTH	TTA
TTCL	TTW	TU	TVD	TVI	TVO	TWPC	U	UAC	UBIS	UV
VGI	VIH	WACOAL	WAVE	WHA	WHAUP	WICE	WINNER	TRUE		

VERY GOOD LEVEL										
2S	ABM	ACE	ACG	ADB	AEC	AEONTS	AGE	AH	AHC	AIT
ALLA	AMANAHA	AMARIN	APCO	APCS	APURE	AQUA	ASAP	ASEFA	ASIA	ASIAN
ASIMAR	ASK	ASN	ATP30	AUCT	AWC	AYUD	B	BA	BAM	BBL
BFIT	BGC	BJC	BJCHI	BROOK	BTW	CBG	CEN	CGH	CHARAN	CHAYO
CHG	CHOTI	CHOW	CI	CIG	CMC	COLOR	COM7	CPL	CRC	CRD
CSC	CSP	CWT	DCC	DCON	DDD	DOD	DOHOME	EASON	EE	ERW
ESTAR	FE	FLOYD	FN	FORTH	FSS	FTE	FVC	GENCO	GJS	GL
GLAND	GLOBAL	GLOCON	GPI	GULF	GYT	HPT	HTC	ICN	IFS	ILM
IMH	INET	INSURE	IRC	IRCP	IT	ITD	ITEL	J	JAS	JCK
JCKH	JMART	JMT	KBS	KCAR	KGI	KIAT	KOOL	KTIS	KWC	KWM
L&E	LALIN	LDC	LHK	LOXLEY	LPH	LRH	LST	M	MACO	MAJOR
MBAX	MEGA	META	MFC	MGT	MILL	MITSIB	MK	MODERN	MTI	MVP
NETBAY	NEX	NINE	NTV	NWR	OCC	OGC	OSP	PATO	PB	PDG
PDI	PICO	PIMO	PJW	PL	PM	PPP	PRIN	PRINC	PSTC	PT
QLT	RCL	RICHY	RML	RPC	RWI	S11	SALEE	SAMCO	SANKO	SAPPE
SAWAD	SCI	SCP	SE	SEG	SFP	SGF	SHR	SIAM	SINGER	SKE
SKR	SKY	SMIT	SMT	SNP	SPA	SPC	SPCG	SR	SRICHA	SSC
SSF	STANLY	STI	STPI	SUC	SUN	SYNEX	T	TAE	TAKUNI	TBSP
TCC	TCMC	TEAM	TEAMG	TFG	TIGER	TITLE	TKN	TKS	TM	TMC
TMD	TMI	TMT	TNITY	TNP	TNR	TOG	TPA	TPAC	TPCORP	TPOLY
TPS	TRITN	TRT	TRU	TSE	TVT	TWP	UEC	UMI	UOBKH	UP
UPF	UPOIC	UT	UTP	UWC	VL	VNT	VPO	WIIK	WP	XO
YUASA	ZEN	ZIGA	ZMICO							

GOOD LEVEL										
7UP	A	ABICO	AJ	ALL	ALUCON	AMC	APP	ARIN	AS	AU
B52	BC	BCH	BEAUTY	BGT	BH	BIG	BKD	BLAND	BM	BR
BROCK	BSBM	BSM	BTNC	CAZ	CCP	CGD	CITY	CMAN	CMO	CMR
CPT	CPW	CRANE	CSR	D	EKH	EP	ESSO	FMT	GIFT	GREEN
GSC	GTB	HTECH	HUMAN	HL	INOX	INSET	IP	JTS	JUBILE	KASET
KCM	KKC	KUMWEL	KUN	KWG	KYE	LEE	MATCH	MATI	M-CHAI	MCS
MDX	MJD	MM	MORE	NC	NDR	NER	NFC	NNCL	NPK	NUSA
OCEAN	PAF	PF	PK	PLE	PMTA	POST	PPM	PRAKIT	PRECHA	PRIME
PROUD	PTL	RBF	RCI	RJH	ROJNA	RP	RPH	RSP	SF	SFLEX
SGP	SISB	SKN	SLP	SMART	SOLAR	SPG	SQ	SSP	STARK	STC
SUPER	SVOA	TC	TCCC	THMUI	TIW	TNH	TOPP	TPCH	TIPIP	TPLAS
TTI	TYCN	UKEM	UMS	VCOM	VRANDA	WIN	WORK	WPH		

Description

Score Range

Excellent

90-100

Very Good

80-89

Good

70-79

Disclaimer:

The disclosure of the survey results of the Thai Institute of Directors Association ("IOD") regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The survey of the IOD is based on the information of a company listed on the Stock Exchange of Thailand and the Market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information.

The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey results may be changed after that date. FSS International Investment Advisory Company Limited does not confirm nor certify the accuracy of such survey results.

* CGR scoring should be considered with news regarding wrong doing of the company or director or executive of the company such unfair practice on securities trading, fraud, and corruption SEC imposed a civil sanction against insider trading of director and executive; ** delisted

Source: Thai Institute of Directors Association (IOD); FSSIA's compilation

Anti-corruption Progress Indicator 2020

CERTIFIED										
2S	ADVANC	AI	AIE	AIRA	AKP	AMA	AMANA	AP	AQUA	ARROW
ASK	ASP	AYUD	B	BAFS	BANPU	BAY	BBL	BCH	BCP	BCPG
BGC	BGRIM	BJCHI	BKI	BLA	BPP	BROOK	BRR	BSBM	BTS	BWG
CEN	CENTEL	CFRESH	CGH	CHEWA	CHOTI	CHOW	CIG	CIMBT	CM	CMC
COL	COM7	CPALL	CPF	CPI	CPN	CSC	DCC	DELTA	DEMCO	DIMET
DRT	DTAC	DTC	EASTW	ECL	EGCO	FE	FNS	FPI	FPT	FSS
FTE	GBX	GC	GCAP	GEL	GFPT	GGC	GJS	GPSC	GSTEEL	GUNKUL
HANA	HARN	HMPRO	HTC	ICC	ICHI	IFS	INET	INSURE	INTUCH	IRPC
ITEL	IVL	K	KASET	KBANK	KBS	KCAR	KCE	KGI	KKP	KSL
KTB	KTC	KWC	L&E	LANNA	LHFG	LHK	LPN	LRH	M	MAKRO
MALEE	MBAX	MBK	MBKET	MC	MCOT	MFC	MFEC	MINT	MONO	MOONG
MPG	MSC	MTC	MTI	NBC	NEP	NINE	NKI	NMG	NNCL	NSI
NWR	OCC	OCEAN	OGC	ORI	PAP	PATO	PB	PCSGH	PDG	PDI
PDJ	PE	PG	PHOL	PL	PLANB	PLANET	PLAT	PM	PPP	PPPM
PPS	PREB	PRG	PRINC	PRM	PSH	PSL	PSTC	PT	PTG	PTT
PTTEP	PTTGC	PYLON	Q-CON	QH	QLT	QTC	RATCH	RML	RWI	S & J
SABINA	SAT	SC	SCB	SCC	SCCC	SCG	SCN	SEAOL	SE-ED	SELIC
SENA	SGP	SIRI	SITHAI	SMIT	SMK	SMPC	SNC	SNP	SORKON	SPACK
SPC	SPI	SPRC	SRICHA	SSF	SSSC	SST	STA	SUSCO	SVI	SYNTEC
TAE	TAKUNI	TASCO	TBSP	TCAP	TCMC	TFG	TFI	TFMAMA	THANI	THCOM
THIP	THRE	THREL	TIP	TIPCO	TISCO	TKT	TTB	TMD	TMILL	TMT
TNITY	TNL	TNP	TNR	TOG	TOP	TPA	TPCORP	TPP	TRU	TSC
TSTH	TTCL	TU	TVD	TVI	TVO	TWPC	U	UBIS	UEC	UKEM
UOBKH	UWC	VGI	VIH	VNT	WACOAL	WHA	WHAUP	WICE	WIJK	XO
ZEN	TRUE									
DECLARED										
7UP	ABICO	AF	ALT	AMARIN	AMATA	AMATAV	ANAN	APURE	B52	BKD
BM	BROCK	BUI	CHO	CI	COTTO	DDD	EA	EFORL	EP	ERW
ESTAR	ETE	EVER	FSMART	GPI	ILINK	IRC	J	JKN	JMART	JMT
JSP	JTS	KWG	LDC	MAJOR	META	NCL	NOBLE	NOK	PK	PLE
ROJNA	SAAM	SAPPE	SCI	SE	SHANG	SINGER	SKR	SPALI	SSP	STANLY
SUPER	SYNEX	THAI	TKS	TOPP	TRITN	TTA	UPF	UV	WIN	ZIGA

Level	
Certified	This level indicates practical participation with thoroughly examination in relation to the recommended procedures from the audit committee or the SEC's certified auditor, being a certified member of Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) or already passed examination to ensure independence from external parties.
Declared	This level indicates determination to participate in the Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC)

Disclaimer:

The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by Thaipat Institute, is made in order to comply with the policy and sustainable development plan for the listed companies of the Office of the Securities and Exchange Commission. Thaipat Institute made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company. The assessment result is therefore made from the perspective of Thaipat Institute that is a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment is only the assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, FSS International Investment Advisory Company Limited does not confirm, verify, or certify the accuracy and completeness of the assessment results.

Note: Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of June 24, 2019) are categorised into: 1) companies that have declared their intention to join CAC, and; 2) companies certified by CAC.

Source: The Securities and Exchange Commission, Thailand; * FSSIA's compilation

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

Naruedom Mujjalinkool FSS International Investment Advisory Securities Co., Ltd

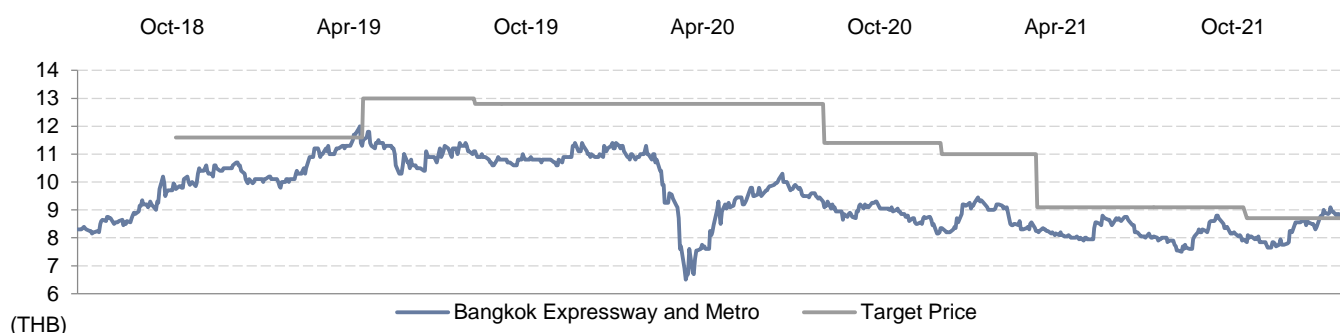
The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s) was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed herein.

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History of change in investment rating and/or target price

Bangkok Expressway and Metro (BEM TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
04-Jan-2019	BUY	11.60	13-Jul-2020	BUY	11.40	25-Feb-2021	BUY	9.10
14-Jun-2019	BUY	13.00	29-Jul-2020	BUY	11.40	11-May-2021	BUY	9.10
18-Sep-2019	BUY	12.80	22-Oct-2020	BUY	11.00	09-Jul-2021	BUY	8.70
02-Apr-2020	BUY	12.80	12-Jan-2021	HOLD	9.10			

Naruedom Mujjalinkool started covering this stock from 13-Jul-2020

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Bangkok Expressway and Metro	BEM TB	THB 9.05	BUY	The key downside risks to our SoTP-based TP are 1) traffic and ridership recovering more slowly than our expectation; and 2) the company being unable to win the new mass transit project bids.

Source: FSSIA estimates

Additional Disclosures

Target price history, stock price charts, valuation and risk details, and equity rating histories applicable to each company rated in this report is available in our most recently published reports. You can contact the analyst named on the front of this note or your representative at Finansia Syrus Securities Public Company Limited

FSSIA may incorporate the recommendations and target prices of companies currently covered by FSS Research into equity research reports, denoted by an 'FSS' before the recommendation. FSS Research is part of Finansia Syrus Securities Public Company Limited, which is the parent company of FSSIA.

All share prices are as at market close on 08-Oct-2021 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as $(\text{target price}^* - \text{current price}) / \text{current price}$.

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

Industry Recommendations

Overweight. The analyst expects the fundamental conditions of the sector to be positive over the next 12 months.

Neutral. The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months.

Underweight. The analyst expects the fundamental conditions of the sector to be negative over the next 12 months.

Country (Strategy) Recommendations

Overweight (O). Over the next 12 months, the analyst expects the market to score positively on two or more of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Neutral (N). Over the next 12 months, the analyst expects the market to score positively on one of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Underweight (U). Over the next 12 months, the analyst does not expect the market to score positively on any of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.