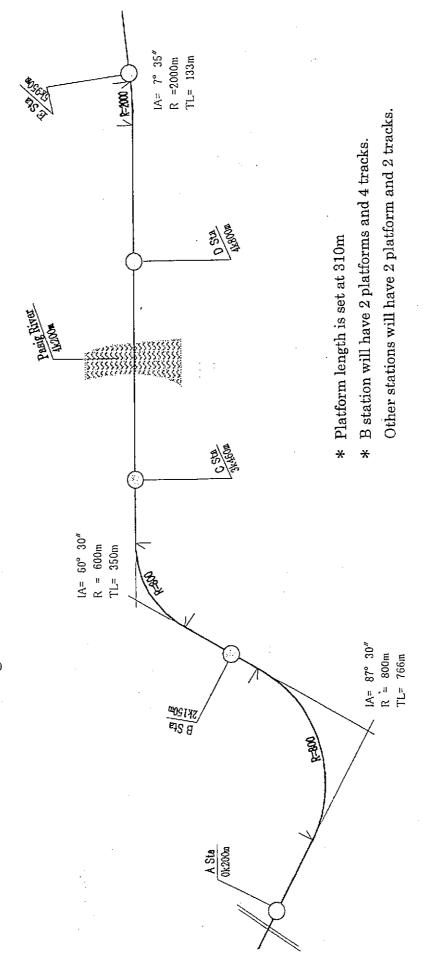
# 6.2.5 Sectional kilometer of North Rail line and MCX Line

## North Rail & MCX

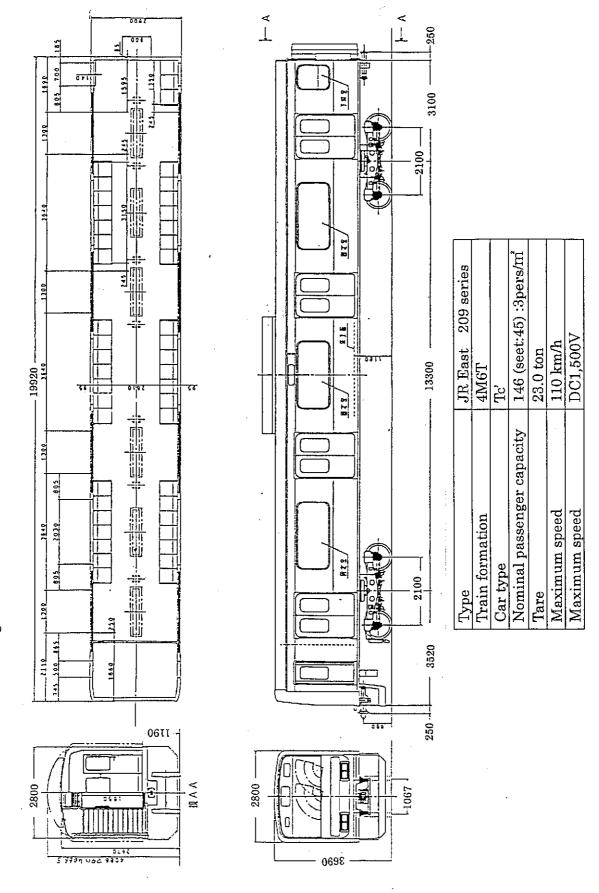
Case 2	: Elevate	d			C	ase 4 : Ur	ıdergro	ınd
	km	km					km	km
1 Marilao	17.00	3.10			1	Marilao	17.00	3.10
2 Meycauy	an 13.90	3.50			2	Meycauyan	13.90	3.50
3	10.40	4.50			3		10.40	4.50
4	5.90	1.30			4		5.90	1.30
5 Caloocan	4.60	3.60		:	5	Caloocan	4.60	3.60
6	1.00	0.50			6		1.00	0.50
7	0.50	0.50			7		0.50	0.50
8 Tayumar	0.00	1.70	0.00	1.5		A (Tayuman	0.00	1.97
9 Blument		1.10	1.50	1.8		B (D. Jose)	1.97	1.27
10 Laon Lac	n 2.80	0.52			10		3.24	1.37
11 Espana	3.32	1.96		2.0		4	4.61	1.17
12 Sta. Mes		1.49	5.30	2.9	3.003-00-00-00-00-0		5.78	1.10
13 Pandacar		1.42				Vito Cruz	6.88	1.06
14 Paco	8.19	1.67	8.20	2.7		Buendia	7.94	1.12
15 Vito Cruz	9.86	1.06				Pasay	9.06	1.11
16 Buendia	10.92	1.12	10.90	1.2		EDSA	10.17	3.05
17 Pasay	12.04	1.11	12.10	1.1		FTJ	13.22	3.60
18 EDSA	13.15	3.05	13.20	6.6		Bicutan	16.82	4.01
19 FTJ	16.20	3.60				Sucat	20.83	3.68
20 Bicutan	19.80	4.01	19.80	4.0		Alabang	24.51	3,31
21 Sucat	23.81	3.68	23.80	3.7		Muntinlupa	27.82	3.56
22 Alabang	27.49	3.31	27.50	3.3		San Pedro	31.38	4.20
23 Muntinlu		3.56	30.82	3.6		Binan	35.58	4.04
24 San Pedr	o 34.36	4.20	34.37	4.2		Sta. Rosa	39.62	3.61
25 Binan	38.56	4.04	38.57	4.0	25	Cabuyao	43.23	
26 Sta. Rosa	42.60	3.61	42.61	3.6				
27 Cabuyao	46.21							
Total	63.21			. –			60.23	

-2.98

Horizontal alignment



6.2.7 (1) Rolling stock of North Rail/MCX: Plan 1 & 2



250 THE 3100 -2100 -N 1 2 6.2.7 (2) Rolling stock of North Rail/MCX: Plan 1 & 2 **高 L 丘** 19500 873 RIE -2100 --100 .3100 IXE 250 1067

 Type
 JR East 209 series

 Train formation
 4M6T

 Car type
 M1 (VVVF)

 Nominal passenger capacity
 156 (seet:54) :3pers/m²

 Tare
 27.7 ton

 Maximum speed
 110 km/h

 Maximum speed
 DC1,500V

6.2.8 Calculation of Train Operation Time of North Rail/MCX: Plan 1 & 2

Train Operation Time: Plan 1

Train Operation Time: Plan 2

			15:00												53:00									13:00					
Start.Time	00:00	03:50	07:40	12:10	15:00	17:30	20:10	23:10	26:20	28:40	31:10	33:30	35:40	37:50	40:10	42:30	46:10	50:10	54:40	59:00	1:02:40	1:06:40	1:11:00	1:15:10	1:18:40			1:18:40	1.91.00
wel Times		00:40	00:40	00:40	01:00	00:40	00:40	01:00	01:00	00:40	00:40	00:40	00:40	00:40	00:40	00:40	00:40	00:40	00:40	01:00	00:40	00:40	00:40	00:40				0:16:40	0.00.00
Sta.Ope.TimeDwel Time Start.Time	03:10	03:10	03:50	01:50	01:50	05:00	02:00	02:10	01:40	01:50	01:40	01:30	01:30	01:40	01:40	03:00	03:20	03:50	03:20	03:00	03:20	03:40	03:30	03:30				1:02:00	
Ope. Time  S	03:02	03:08	03:48	01:42	01:48	01:56	01:56	02:08	01:40	01:42	01:34	01:30	01:30	01:35	01:38	02:56	03:20	03:50	03:18	03:00	03:12	03:36	03:28	03:26				1:00:43	
κm	3.10	3.50	4.50	1.30	3.60	0.50	0.50	1.97	1.27	1.37	1.17	1.10	1.06	1.12	<del>-</del>	3.05	3.60	4.01	3.68	3.31	3.56	4.20	4.04	3.61					
ЕЩ	17.00	13.90	10.40	5.90	4.60	1.00	0.50	0.00	1.97	3.24	4.61	5.78	6.88	7.94	90.6	10.17	13.22	16.82	20.83	24.51	27.82	31.38	35.58	39.62	43.23			60.23	
	Marilao	2 Meycauyan			Caloocan			8 A (Tayumar	9 B (D. Jose)	0	0	Ē	13 Vito Gruz	14 Buendia	Pasay	EDSA	FTJ	Bicutan	19 Sucat	20 Alabang	21 Muntinlupa	22 San Pedro	23 Binan	24 Sta. Rosa	25 Cabuyao				
	-	2	3	4	5	9	7	8	6	10 C	11 D	12 E	13	14	2	16	17	18	19	20	21	22	23	24	25				
			15:00												1:00:00											13:00			
Start.Time	00:00	03:50	07:40	12:10	15:00	17:30	20:10	24:10	27:10	29:30	31:40	34:20	37:10	39:40	42:40	44:50	47:10	49:30	53:10	57:30	1:02:00	1:06:00	1:09:40	1:13:40	1:18:00	1:22:10	1:25:40	1:25:40	1.98.00
Dwel Time Start.Time		00:40	00:40	00:40	01:00	00:40	00:40	05:00	00:40	00:40	00:40	00:40	00:40	00:40	00:40	00:40	00:40	00:40	00:40	01:00	00:40	00:40	00:40	00:40	00:40	00:40		0:18:40	06.60.0
Ope.Time Sta.Ope.Time	03:10	03:10	03:50	01:50	01:50	05:00	05:00	02:50	01:40	01:30	02:00	02:10	01:50	02:20	01:30	01:40	01:40	03:00	03:20	03:50	03:20	03:00	03:20	03:40	03:30	03:30		1:07:00	Allow Time
pe.Time S	03:02	03:08	03:48	01:42	01:48	01:56	01:56	02:15	01:40	01:30	01:56	02:03	01:46	02:13	01:30	01:35	01:38	02:56	03:20	03:50	03:18	03:00	03:12	03:36	03:28	03:26		1:05:32	
km D	3.10	3.50	4.50	1.30	3.60	0.50	0.50	1.70	1.10	1.02	1,46	1.49	1.42	1.67	1.06	1.12	1.11	3,05	3.60	4.01	3.68	3.31	3.56	4.20	4.04	3.61			
km	17.00	13.90	10.40	5.90	4.60	1.00	0.50	0.00	1.70	2.80	3.82	5.28	6.77	8.19	9.86	10.92	12.04	13,15	16.20	19.80	23.81		30.80	34.36	38.56	42.60	46.21	63.21	
	Marilao	Meycauyar			Caloocan			Tayuman	9 Blumentrití	10 Laon Laon	Espana	2 Sta. Mesa	13 Pandacan	Paco	15 Vito Gruz	16 Buendia	Pasay	EDSA	FTJ	20 Bicutan	21 Sucat	Alabang	23 Muntinlupa	San Pedro	25 Binan	Sta. Rosa	Cabuyao	Total	
	-		က	4	ഹ	9	_	8	6	10	Ξ	12	<u>e</u>	4	5	16	-1	18	19	20	21	22	23	24	25	26	27		

# 6.2.9 (1) Transport Volume and Passenger kilometer, etc. by Each line Transport Volume

			(persons/day)	2015
	Separate (L	ine1, Line3)	Through (Li	nelandLine3)
	Case 1	Case 2	Case3	Case4
	Elevated	Underground	Elevated	Underground
line 1	594,933	559,368	645,397	637,037
line 3	556,047	523,528	590,340	544,003
Total	1,150,980	1,082,896	1,235,737	1,181,040
line 2	557,607	574,287	571,797	588,305
line 4	750,371	742,128	745,177	736,884
line 6	404,095	403,291	404,909	404,012
NR/MCX	1,233,684	1,404,842	1,225,888	1,400,206
Total	2,945,757	3,124,548	2,947,771	3,129,407
G.Total	4,096,737	4,207,444	4,183,508	4,310,447

### Transport Volume Person\*kilometer

2015

(\*1000Pers.km/day)

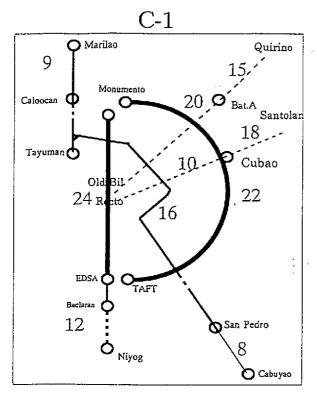
	Case 1	Case 2	Case 3	Case 4
Line1,3	Not Co	nnect	Conne	ected
PNR	Ground	Subway	Ground	Subway
Line 1	4,929	4,325	5,874	5,206
Line 3	5,083	5,588	7,087	6,726
Total	10,011	9,913	12,961	11,932
Line 2	4,724	4,971	4,739	4,986
Line 4	7,507	7,391	7,501	7,375
Line 6	2,663	2,657	2,671	2,666
N.R/MCX	26,432	28,893	26,235	28,818
Total	41,326	43,911	41,146	43,845
G.Total	51,338	53,824	54,107	55,777

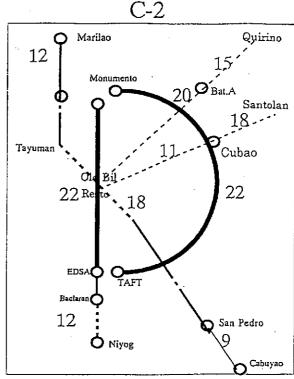
### Train-kilometer

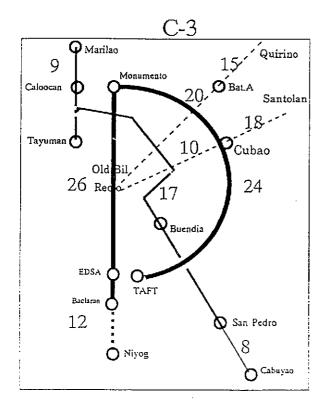
(km/day) 2015

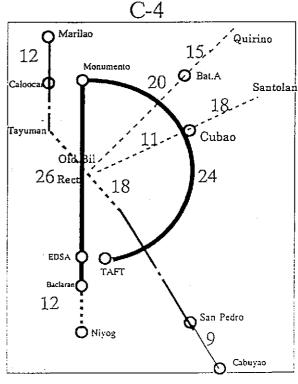
			KIII/ uay/	2010
	Case 1	Case 2	Case 3	Case 4
Line 1	6,417	5,859	7,366	7,366
Line 3	9,297	10,378	10,377	10,377
Total	15,714	16,237	17,743	17,743
Line 2	4,424	4,621	4,424	4,621
Line 4	7,428	7,366	7,305	7,153
Line 6	2,829	2,829	2,829	2,829
N.R/MCX	16,088	15,976	16,088	15,976
Total	30,769	30,792	30,646	30,579
G.Total	46,483	47,029	48,389	48,322

6.2.9 (2) Train Operation Plan (peak hour/one way)









6.2.10(1) Transport Plan of Line 1 (Case 1)

ပၱ	Case 1 Line	Line 1		PNR:Grour	PNR:GroundNot connect	nnect								
Line 1		Bac∼ED	Bac~ED ED~Lib Lib.~G.PuG.	Lib.~G.Pu	G.Pu~Vit	Vit~Qui	Qui~Ped	Ped~U.N.	I.N. ~ Cent	ent~Carl	Pu~Vit Vit~Qui   Qui~Ped Ped~U.N.U.N.~GenSent~GarGarr~D.Ich.In~BanBam~TaulTav~Br.	. In ~ Rank	Jam~Tay	Tay/~Bn
Section	km	0.59	1.01	0.73	1.06	0.83	0.79	0.75	121	0.73	0.68	0.65	0 69	780
Carried	_(N.B)	113409	137032	186333	198460	213014	232314	232229	231231	253384	244353	178371	173971	155610
pes./day) ←	⊢(S.B)	94324	116486	171664	183220	201167	198045	220075	217033	262996	247332	215286	188071	173059
1	<b>↓(N.B)</b>	11,341	13,703	18,633	19,846	21,301	23,231	23,223	23,123	25,338	24,435	17.832	17.327	15.562
÷ *10% · ↓	⊢(S.B)	9,432	11,649	17,166	18,322	20,117	19,805	22,008	21,703	26,300	24,733	21.529	18.807	17,306
ain No.	Jway.	No.of Train No./1way   224	24	24	124	24	24 24 24	24	75 24		24	24	24	24
ㅠ	(p./h)	21,888	21,888	21,888	21,888	21,888	21,888	21,888	21,888		21.888	21 888	21 888	21 888
912	%(↑)	51.8	62.6	85.1	90.7	97.3	106.1	106.1	105.6	115.8	111.6	81.5	79.2	71.
pes./train) 9	(↓)%	43.1	53.2	78.4	83.7	91.9	90.5	100.5	99.2	120.2	113.0	98.4	85.9	79.1
Perskm	_(N.B)	66,911	138,402	136,023	210,368	176,802	183,528	174,172	279,790	184,970	166,160	115,909	107.428	104 265
+	⊢(S.B)	55,651	117,651	125,315	194,213	166,969	156,456	165,056	262.610	191.987	168 186	139 936	116 804	115 050

	_						,					
Total	13.95				Train-km	669.6				2,512,522	2,416,132	4,928,654
th.A.~Mon	1.09	125495	99866	12,550	9,987	24	21,888	57.3	45.6	136,790	108,854	Total
Pa∼5th./	0.95	125495	119657	12,550	11,966	. 24	21,888	57.3	54.7	119,220	113,674	
San~R.P	0.66	132699	134540	13,270	13,454	24	21,888	9.09	61.5	87,581	88,796	
Bru~A.San.San~R.PR.Pa~5th./th.A.~Mon	0.93	133553	137876	13,355	13,788	24	21,888	61.0	63.0	124,204	128,225	

6.2.10 (2) Transport Plan of Line 1 (Case 2)

	Case 2 Line	Line 1		PNR:Under	groundN	PNR:UndergroundNot connect			٠,					
Line	) 1	Bac∼ED	ED~Lib	ED~Lib Lib.~G.Pu G.	G.Pu∼Vit	Vit~Qui	Qui~Ped	Ped~U.N.L	I.N.~Cent	Sent~Carl	Pu~Vit Vit~Qui Qui~Ped Ped~U.N.J.N.~CenSent~CarCarr~D.JのJ.Jo~BanBam~Tay Tay~Br.	J.Jo~Ban	Bam~Tay	Tay∼Bru
Section	km	0.59	1,01	0.73	1.06	0.83	0.79	0.75	1.21	0.73	0.68	0.65	0.62	0.67
Carried	(N.B)	110259	132228	178268	187866	201728	221571	221492	218061	232483	223848	142080	138043	120675
(pes./day)	←(S.B)	88470	108094	159602	167664	184270	181181	198471	193852	224935	211533	172017	147285	134076
Peak hour	(N.B)	11,026	13,223	17,827	18,787	20,173	22,157	22,149	21,806	23,248	22,385	14,208	13,804	12,068
*10%	←(S.B)	8,847	10,809	15,960	16,766	18,427	18,118	19,847	19,385	22,494	21,153	17,202	14,729	13,408
No.of Train No./1way	No./1way	22	22	22		22	22	22	22	22	22	22	22	22
Trans.Capa	(h./h)	20,064	20,064	20,064	20,064	20,064	20,064	20,064	20,064	20,064	20,064	20,064	20,064	20,064
912	(←)%	55.0	6'99	88.8	93.6	100.5	110.4	110.4	108.7	115.9	111.6	70.8	68.8	60.1
(pes./train)	(→)% (	44.1	53.9	79.5	83.6	91.8	90.3	98.9	9.96	112.1	105.4	85.7	73.4	66.8
Perskm	(N.B)	65,053	133,550	130,136	199,138	167,434	175,041	166,119	263,854	169,713	152,217	92,352	85,587	80,852
	←(S.B)	52,197	109,175	116,509	177,724	152,944	143,133	148,853	234,561	164,203	143,842	111,811	91,317	89,831

ru∼A.Sar	.San~R.P	R.Pa~5th.	3ru~A.San.San~R.PR.Pa~5th./th.A.~Mon	Total
0.93	0.66	0.95	1.09	13.95
102149	102364	95014	95014	
109671	106386	98283	78697	
10,215	10,236	9,501	9,501	
10,967	10,639	9,828	7,870	Train-km
. 22	A 22	22	A	613.8
20,064	20,064	20,064	20,064	
50.9	51.0	47.4	47.4	
54.7	53.0	49.0	39.2	
94,999	67,560	90,263	103,565	2,237,432
101,994	70,215	93,369	85,780	2,087,458
				008 762 Y

6.2.10 (3) Transport Plan of Line 3 (Case 1)

			duen∼Ay	0.00	112613	172266	172000	11,26	17 227	200	77	15 111	444,01	6.7/	1 2	2.1.1.	101,352	155 129	
		ort. ~ Qu Que, ~ Karkam ~ Chi Chha ~ Sal Sant~ Ort Orti~ Shalong of Sant ~ Orti Orti Orti Orti Orti Orti Orti Orti	Guad~But	1.90	126772	177470	2 [	17'0'71	17 747	r c	77	15 444	11.00	82.1	1149	10000	740,867	337,193	
			enn ~ luoa	0.84	139799	-	ļ.	13,380	18.104		77	15 111	ĺ	30.5	117.2	117 401	17,43	152,074	
		والمال	Silaw - Do	0.98	131127	187199		i	18.720	99	77	15 444	O FO	0,40	121.2	100 504	120,004	183,455	
		Ortion	O'C O'Ia		167157	168044	18 718	20,10	16,804	99		15 444			108.8	*	100,120	134,435	
		Sant	100	]	156849	160111			16,011	99		15,444			103.7	~	İ	373,059	
		Cuba ~ Sa	3		1568/3	175493	15 627		17,549	22		15,444			113.6	222 780		249,200	
		ıKam ∼Cı	1 02		7/9811	131103	11867	į	13,110	22	1	15,444	76.8		84.9	229 037		253,029	
(T come) o	onnect	Que.~Ka	0.06			116071	11 541	ļ	ı	22			747	İ	7.07	110.791		111,428	
)	PNR:GroundNot connect	Nort. ~ Q	_		į	71935	7.916	L		22		15,444	51.3	4 4 4	40.0	99.745	2000	90,038	
	PNR:Grou	Roo.~No	1 85	1	İ	67994	7.128		5		7.7.	15,444	46.2	C F F	0.44	117,617	00,000	112,190	
•		Mon. ~ Bal Bal. ~ Roo Roo. ~ Nor No	1.75	67	1		6,735	7 000			777 37	555°C	43.6	7.0	<u>}</u>	117,857	000 90		
	Case 1 Line 3	Mon.∼Ba	1.80	53101		43368	5,310	1227		22	Ŀ	4444	34.4	- 00	70.7	95,582	70.069	70000	
	Case 1	ine 3	km	(S R)		(a.v.)	(S.B.)	(N B)	ביים ביים	No./1way	17/		(1)%	1)%		→(S.B)	(a)	(7:1)	
		Lin	Section	Carried	(100)	(DES./ Udy)	Feak hour	*10%		No.of Train No./Iway	Trans Cana	2007	702	(nec /train)	777	Perskm			

Aya∼MagaMaga~	Maga∼Ta	Total
1.20	1.90	21.62
108143	85405	
162331	105001	
10,814	8,541	
16,233	10,500	Train-km
. 22	22	951.28
15,444	15,444	
70.0	55.3	
105.1	68.0	
129,772	162,270	2,372,768
194,797	199,502	2,710,000
	Total	5.082.768

6.2.10 (4) Transport Plan of Line 3 (Case 2)

Nort. ~ Qu Que. ~ Kar Kam. ~ Cu Cul 1.26 0.96 1.93 128705 134964 136593 76569 122358 136996 12,871 13,496 13,659 7,657 12,236 13,700 8,12,24 24 16,848 16,848 16,848 16,848 76,402 162,168 129,565 263,624 96,477 117,464 264,402	Case Z LIne 3	-	'NK:Under	PNK:UndergroundNot connect	ot connect								
1.80         1.75         1.65         1.26         0.96         1.93           62777         125894         125830         128705         134964         136593           48738         53271         72254         76569         122358         136996           6,278         12,589         12,583         12,871         13,496         13,659           4,874         5,327         7,225         7,657         12,236         13,659           16,848         16,848         16,848         16,848         16,848           16,848         16,848         16,848         16,848           37,3         74,7         74,7         76,4         80,1           28,9         31,6         42,9         45,4         72,6         81,3           112,999         220,315         207,620         162,168         129,565         263,624           87,728         93,224         119,219         96,477         117,464         264,402		al Bal.~Roo	300. ~Nor	Nort. ~ Qu	Que.∼Kar	<am. td="" ~cu<=""><td>Cuba~Sa</td><td>Sant~Ort</td><td>Orti~Sha</td><td>Shaw~Bo</td><td>Boni ~ Gua</td><td>Guad~Bu</td><td>3uen∼Ay</td></am.>	Cuba~Sa	Sant~Ort	Orti~Sha	Shaw~Bo	Boni ~ Gua	Guad~Bu	3uen∼Ay
62777         125894         125830         128705         134964         136593           48738         53271         72254         76569         122358         136996           6,278         12,589         12,583         12,871         13,496         13,659           4,874         5,327         7,225         7,657         12,236         13,659           16,848         16,848         16,848         16,848         16,848         16,848           17,373         74,7         74,7         76,4         80.1         81.1           28,9         31.6         42.9         45.4         72.6         81.3           112,999         220,315         207,620         162,168         129,565         263,624           87,728         93,224         119,219         96,477         117,464         264,402			1.65	1.26	96.0	1.93	1.42	2.33	0.80	0.98	0.84	1.90	06.0
48738         53271         72254         76569         122358         136996           6,278         12,589         12,871         13,496         13,659           4,874         5,327         7,225         7,657         12,236         13,700           16,848         16,848         16,848         16,848         16,848         16,848           37.3         74.7         74.7         76.4         80.1         81.1           28.9         31.6         42.9         45.4         72.6         81.3           112,999         220,315         207,620         162,168         129,565         263,624           87,728         93,224         119,219         96,477         117,464         264,402			125830	128705	134964	136593	163571	163551	187653	144996	136736	119778	102791
6,278         12,589         12,583         12,871         13,496         13,659           4,874         5,327         7.225         7,657         12,236         13,700           16,848         16,848         16,848         16,848         16,848         16,848           37.3         74.7         74.7         76.4         80.1         81.1           28.9         31.6         42.9         45.4         72.6         81.3           112,999         220,315         207,620         162,168         129,565         263,624           87,728         93,224         119,219         96,477         117,464         264,402			72254	76569	122358	136996	183767	168379	176446	201899	202395	197752	192653
4,874         5,327         7,225         7,657         12,236         13,700           24         24         24         24         24           16,848         16,848         16,848         16,848         16,848           37.3         74.7         74.7         76.4         80.1         81.1           28.9         31.6         42.9         45.4         72.6         81.3           112,999         220,315         207,620         162,168         129,565         263,624           87,728         93,224         119,219         96,477         117,464         264,402	_		12,583	12,871	13,496	13,659	16,357	16,355	18,765	14,500	13,674	11,978	10,279
24       24 <th< td=""><td></td><td></td><td>7,225</td><td>7,657</td><td>12,236</td><td>13,700</td><td>18,377</td><td>16,838</td><td>17,645</td><td>20,190</td><td>20,240</td><td>19,775</td><td>19,265</td></th<>			7,225	7,657	12,236	13,700	18,377	16,838	17,645	20,190	20,240	19,775	19,265
(p./h) 16,848 16,848 16,848 16,848 16,848 16,848 16,848 96(→) 37.3 74.7 74.7 76.4 80.1 81.1 96(→) 28.9 31.6 42.9 45.4 72.6 81.3 → (S.B) 112,999 220,315 207,620 162,168 129,565 263,624 (N.B.) 87,728 93,224 119,219 96,477 117,464 264,402	o./1way $-2^{\prime}$	4 3 24	24	24	24	24	24	77	24	24	24	124	24
96(→) 37.3 74.7 74.7 76.4 80.1 81.1 81.1 96(←) 28.9 31.6 42.9 45.4 72.6 81.3	_		16,848	16,848	16,848	16,848	16,848	16,848	16,848	16,848	16,848	16,848	16,848
96(←) 28.9 31.6 42.9 45.4 72.6 81.3 →(S.B) 112.999 220,315 207,620 162,168 129,565 263,624 ←(N.B) 87,728 93,224 119,219 96,477 117,464 264,402			74.7	76.4	80.1	81.1	97.1	97.1	111.4	86.1	81.2		61.0
→(S.B) 112,999 220,315 207,620 162,168 129,565 263,624 ←(N.B) 87,728 93,224 119,219 96,477 117,464 264,402	_		42.9	45.4	72.6	81.3	109.1	99.9	104.7	119.8	120.1	117.4	114.3
87,728 93,224 119,219 96,477 117,464 264,402			207,620	162,168	129,565	263,624	232,271	381,074	150,122	142,096	114,858	227,578	92,512
	_		119,219	96,477	117,464	264,402	260,949	392,323	141,157	197,861	170,012	375,729	173,388

Total	21.62			-	Train-km	1,037.8				2,713,310	2,874,573	5,587,883
Maga∼Ta	1.90	84237	114793	8,424	11,479	24	16,848	50.0	68.1	160,050	218,107	
Aya∼Mag Maga∼Ta	1.20	97048	138778	9,705	13,878	24	16,848	57.6	82.4	116,458	166,534	

6.2.10 (5) Transport Plan of Line 1 and Line 3 (Case 3)

Line 1	h.A. ~ Mon	1.09	159,849	158,390	15,985	15,839	26	23,712	67.4	66.8	174,235	172,645	12.05
-		0.95	158,709	166,885	15,871		26	23,712	6.99	70.4	150,774	158,541	1,000
	1J.N. ~ Cenßent ~ CarlCarr ~ D.Jd. Jo~BanBan ~ Tay Tay ~ Bru Bru ~ A.San. San ~ R.PR.Pa ~ 5th.	0.66	168,452	180,050	16,845	18,005	26	23,712	71.0	75.9	111,178	118,833	
Line 1	nu~A.San	0.93	176,932	184,394	17,693	18,439	٠.	ŀ	74.6	77.8	164,547	171,486	
	Tay~BnB	0.67	216,734	222,567	21,673	22,257	26	23,712	91.4	93.9	145,212	149,120	
	Bam~Tay	0.62	225,634	235,412	22,563	23,541	26	1	95.2	99.3	139,893	145,955	
	Jo~Bam	0.65	224,521	253,668	22,452	25,367	26	ì	94.7	107.0	145,939	164,884	
	Sarr~D.Jd	0.68	285,455	281,031	28,546	28,103		l	120.4	118.5	194,109	191,101	
Train	sent~Car	0.73	286,324	ı	28,632	28,460	26	23.712	120.8	120.0	209,017	207,755	
4pers/mt;912pers/Train	J.N.~Cent	1.21	7		ţ.	24 730	26	23 712	116.1	104.3	333,017		
4pers/m.	Ped~U.N.	0.75	258.624	251,885	25.862	25.189	26	23 712	109.1	l	193,968	188.914	
	Bacaren Francis II in a G.P.J.G.Pu~Vit Vita Oui   Qui a Ped Ped ~U.N.	0.79	253.762	229.232	25 376	22 923	8 26 26 26 26	23 712	107.0	96.7	200.472	181.093	
PNR:Ground—Line1&Line3 Connect	Vit~Oui	0.83	243.B04	219.020	24.380	21.902	26	23 712		92.4	202.357	ŀ	l
nd—Line1	G Pu ~Vit	106	226.875	205.536	22,688	20,554	26	23719 23719	95.7	86.7	240.488	1	ı
PNR:Grou	l ib ~G P₁	0.73	206 482	203 583	20.648	20,358	26	22 719	87.1	85.9	15	İ	
	FD~lb	101	147 436	138 932	14.744	13.893	26	23 719	82.2	586	=	İ	ı
Case 3 1 ine 1&Line 3	Bac~FD	0.50	14	106.378	11 534	10.638	96	92719	48 A	44.9	68.052	69.763	02,190
Case 3	ine 1 & line 3	e e	(a)	1	4	上	No /1way	(2, 4)	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	\$ \{\frac{1}{2}}	L		١
	line 1 &	Section	Carried	(net /day)	Dook hour	4.00 × 100 ×	Mo of Train No /1way	Troop Can (a (b)	1 raffs. Cap	(nec /train	Dere -tm	5	

	(Line3)				•		1,046.4				3,624,482	3,462,586	7,087,068
	(Line 1)						725.4	:			2,972,900	2,900,911	5,873,811
	Total	35.75				Train-km	1,771.8				6,597,382	6,363,497	21.80 12,960,879
	Maga~Ta	1.90	95,630	118,532	9,563	11,853	24	21,888	43.7	54.2	181,697	225,211	21.80
	Aya∼Mag	1.20	135,666	183,345	13,567	18,335	24	2	62.0	83.8	162,799	220,014	-km
	Buen∼Ay.	0.00	166,208	201,241	16,621	20,124	. 24	21,888	75.9	91.9	149,587	181,117	
	Guad∼Bu	1.90	183,521	206,516	18,352	20,652	24 24	21,888	83.8	94.4	348,690	392,380	
:	Boni∼Gu≀	0.84	196,731	215,271	19,673	21,527	. 24	21,888	89.9	98.4	165,254	180,828	
	Shaw~Bd	0.98	215,867	197,845 237,880	21,587	23 788	24 24	21,888	98.6	108.7	211,550	233,122	
	Orti~Sha	080	254,309	197,845	25,431	19,785	24	21,888	116.2	90,4	203,447	158,276	
	Sant~Ort	2.33	207,307	187,399	20,731	18,740	24 24	21,888	94.7	85.6	483,025	436,640	
	Cuba~Sa	1.42	187,652		18,765	20,172		21,888	85.7	92.2	266,466	286,445	
	Kam.~Cu	1.93	75,832 187,838	170.123	18.784	17,012	24	21.888	85.8	T.T.T	362,527	328,337	
	Que.~Kar	0.96	175.832	154.678	17,583	15.468	24	21.888	80.3	70.7	168,799	148,491	
Line 3	Nort ~ Qu	1.26	169,705	117.823	16.971	11,782	24	21.888	77.5	53.8	213.828	148.457	
	Roo. ~ Non!	1.65	158.839	97.613	15.884	9.761	24	2.1	72.6	44.6	262.084	!	
	3al.~Rool	1 75	142,191		14219	8.534	24	21.888	650	39.0	248 834	149 349	
Line 3	Mon. ~ Bal Bal. ~ Rool Roo. ~ Noh Nort. ~ Qui Que. ~ Karl Kam. ~ Cul Cuba ~ Sal Sant ~ Ord Ord: ~ Shal Shaw ~ Bd Boni ~ Gui Guad ~ Bul Buen ~ Ay Aya ~ Mag Maga ~ Tal	1 98				10.750	24	21 888	45.2	49 1	195 893	212.858	2001

6.2.10 (6) Transport Plan of Line 1 and Line 3 (Case 4)

- 7	-		_	_	- (			=	1	-	=
th.A.~Mon	1,09	128,085	126,421	12,809	12,642	26	23,712	54.0	53.3	139,61	137.799
.Pa~5th.	0.95	132,004	133,281	13,200	13,328	26	23,712	55.7	56.2	125,404	126.617
San~R.PR	0.66	139,268	144,292	13,927	14,429	26	23,712	58.7	60.9	91,917	95.233
u~A.San.	0.93	157,533	156,358	15,753	15,636	26	23,712	66.4	62.9	146,506	145.413
ay~BruB	0.67	174,724	175,663	17,472	17,566	26	23,712	73.7	74.1	117,065	117 694
em∼Tay T	0.62	186,673	181,134	18,667	18,113	26	23,712	78.7	76.4	115,737	112.303
Jo~Ban B	0.65			18,639	19,393	26	23,712	78.6	81,8	121,153	126 054
irr~D.Jab.	0.68	276,780	242,378	27,678	24,238	26	23,712	116.7	102.2	188,210	164.817
nt~CarlCa	0.73	280,204	232,665	28,020	23,267	26	23,712	118.2	98.1	204,549	169 845
N.~CenSe	1.21	1		25,433	23,182	26	23,712	107.3	97.8	307,736	280 505
UNU~Pe	0.75				21912	26	23,712	100 6	92.4	178,966	164.338
ui~Ped P.	0.79					26	23,712	102.7	92.4	192,453	173.023
rt~Qui Q	0.83	220,535	206,586	22,054	20,659	26	23.712	93.0	87.1	183,044	171466
Pu~Vit V	1.06	197,562	195,489	19.756	19.549	76		1	82.4	209.416	91.6.206
b.~G.PuG	0.73	168,342	195,489	16.834	19.549	26	23.712	71.0	82.4	122.890	COT 681
iJ diJ~Ci	<u></u>	147,325	149,208	14.733	14.921		23.712	62.1	629		
3ac ~ ED 1	0.59	115,332	100,323	11.533	10.032	26	23 712	486	42.3	68.046	
ine 3	FX	<u>(</u> 3	1	(E)	:  ↓	to /1wav	(u/u)	ĵ %	(1)%	(E)	
Line 1& Li	Section	┝	(nes./dav)	+-		Vo of Train N	Trans Cana	912	<u></u>		
	ine 1& Line 3   Bac~ED   ED~Lib  Lib~G.Pu~Vit  Vit~Qui   Qui~Ped Ped~U.N.U.N.~Cenpent~CarCar~D.Job.Jo~BanBam~Tay   Tay~Bru Bru~A.San.San~R.P.Pa~5th.4th.A.~Mon	3 Line 3 Bac∼ED ED∼Lib Lib.∼G.Pu G.Pu∼Vit Vit∼Qui Qui∼Ped Ped~U.N.U.N.∼CenSent∼CarCarr∼D.Jdb.Jo∼BamBam∼Tay Tay∼Bru Bru∼A.San.San~R.Pt.Pt. km 0.59 1.01 0.73 1.06 0.83 0.75 1.21 0.73 0.68 0.65 0.65 0.67 0.93 0.86	Line 1& Line 3         Bac~ED         ED~Lib Lib ~G.Pu G.Pu~Vit Vit~Qui         Qui ~Ped Ped~U.N U.N ~CenSent ~Car Carr~D.Jdb.Jdo~BamBam~Tay ~Bru Bru ~A.San.San~R.P.Pa~5th.Ath.A.~Mon           Section         km         0.59         1.01         0.73         0.73         0.65         0.65         0.67         0.93         0.66         0.95         1.09           Carried         → (R)         115.332         147.325         168.342         197.562         220.535         243,612         254,327         280,204         276,780         186,389         186,673         174,724         157,533         139,268         128,094         128,085	Line 1& Line 3         Bac~ED         ED~Lib Lib ~G.Pu G.Pu~Vit Vit~Qui         Qui ~Ded Ped~U.N U.N ~CenSent ~Carr~D.Jdb.Jdo~Bam Bam~Tay ~ Bru Bru ~A.San.~A.San.~R.P.Pa~5th.Ath.A.~Mon           Section         km         0.59         1.01         0.73         0.79         0.73         1.21         0.73         0.65         0.65         0.67         0.93         0.66         0.95         1.09           Section         km         0.59         1.01         0.73         0.74         1.21         0.73         0.65         0.65         0.67         0.93         0.66         0.95         1.09           Carried         → (R)         115,332         147,325         168,342         197,562         220,535         243,612         238,621         230,266         242,378         198,667         115,724         157,533         139,268         132,004         128,085           Carried         → (R)         160,323         149,208         195,489         195,489         219,016         219,115         231,865         232,665         242,378         193,929         181,134         175,663         154,292         133,281         128,085	Line 1& Line 3         Bac~ED         ED~Lib Lib ~GPu G.Pu~Vit Vit~Qui         Qui ~Dud LiN ~CenSent ~Car ~Car ~D.Job.Jo~Bam Bam ~Tay ~Tay~Bru Bru ~A.San ~R.Pk.Pa~5th.Ath.A.~Mon           Section         km         0.59         1.01         0.73         0.75         1.21         0.73         0.68         0.65         0.62         0.67         0.93         0.66         0.95         1.09           Section         km         0.59         1.01         0.73         0.75         1.21         0.73         0.68         0.65         0.67         0.93         0.66         0.95         1.09           Carried         → (R)         115,332         147,325         168,342         197,562         220,535         243,612         232,064         276,780         186,573         174,724         157,533         139,268         128,085           Ches./day)         ← (L)         100,323         149,208         195,489         206,586         219,115         231,822         232,065         242,378         186,392         181,134         175,663         154,292         13,302         12,809           Post Amir         → (R)         11,533         14,733         16,834         19,756         22,054         24,331         28,020         27,676         18,639<	Line 1& Line 3         Bac~ED         ED~Lib Lib ~Gpu G.pu~Vit Vit~Qui         Qui ~Ded Ped~UN U.N ~CenSent ~Car ~Car ~D.Job.Jo~Bam Bam~Tay Tay~Bru Bru ~A.San.San~R.Pk.Pa~5th.Ath.A.~Mon Section         Line 1 & Line 3         Line 1 & Line 3         Lib ~Cpu G.pu G.pu V.it Vit~Qui         Qui ~D.Job.Job.Job.Job.Job.Bam Bam~Tay         Tay~Bru Bru ~A.San.San~R.Pk.Pa~5th.Ath.A.~Mon G.bu G.bu G.bu G.bu G.bu G.bu G.bu G.bu	Line 1& Line 3         Bac~ED         ED~Lib Lib ~G.Pu G.Pu~Vit         Vit~Qui         Qui ~Ded Ped~UN UN ~CenSent ~Car ~Car ~D.Job Jo~Bam Bam~Tay         Tay~Bru Bru ~A.San ~R.Pk.Pa~5th.Ath.A.~Mon Section         Line 1 & Line 3         Line 3         Bac~ED         ED~Lib Lib ~G.Pu G.Pu~Vit         Vit~Qui         Quis O.83         0.75         1.21         0.73         0.68         0.65         0.67         0.63         0.65         0.65         0.67         0.93         0.66         0.95         1.09           Section         km         0.59         1.01         0.73         0.79         0.75         1.21         0.73         0.65         0.67         0.67         0.67         0.67         0.65         0.67         0.93         0.66         0.95         1.09           Carried         → R)         115.332         147.325         168.342         197.562         220.536         232.665         232.665         242.378         193.929         181,134         175.663         144.292         133.281         126.421           Carried         → (L)         10.0323         14,733         19,756         22.054         24,361         23,862         25,433         28,020         27,678         18,639         18,667         17,472         15,753         13,200	Line 3 Bac~ED ED~Lib Lib ~G.PulG.Pu~Vit Vit~Qui Qui~Ped Ped~U.N.U.N.~CenSent~Carr~D.Jdb.Jo~BanBam~Tay Tay~Bru Bru~A.Sar.Sar.~Sar.~R.Pt.Pa~5th.Jth.A. en 659 101 0.73 1.06 0.83 0.75 1.21 0.73 0.68 0.65 0.65 0.67 0.93 0.66 0.95 1.0 0.59 0.05 0.69 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	Line 1& Line 3         Bac~ED         ED~Lib Lib ~G.Pu G.Pu~Vit         Vit ~Qui         Qui ~Qui <th< td=""><td>Bac~ED         ED~Lib         Lib ~GAPul GPu~Vit         Vit~Qui         Qui ~Ped Ped~UN         UN ~CenSent ~Carr~D.Jdb.Jdo~Bam         Bam~Tay         Tay~Bm         Bru~ASar         San~R-R-R-R-R-R-R-R-R-R-R-R-R-R-R-R-R-R-R-</td><td>Bac~ED         ED~Lib         Lib ~GAPul GPu~Vit         Vit~Qui         Qui ~Ped Pad~UN         UN ~CenSent ~Carr~DJdDJdo~Bam         Bam~Tay         Tay~Bm         Bru~ASar         San~RP, Pa~5th, Jth A.           0.59         1.01         0.73         1.06         0.65         0.65         0.67         0.63         0.66         0.95         1.0           0.59         1.01         0.73         1.06         0.83         0.79         0.75         1.21         0.73         0.65         0.67         0.67         0.93         0.66         0.95         1.0           1.15.32         1.47.225         1.66         2.20.536         2.20.536         2.20.537         2.80.204         2.76.780         186,639         186,673         174,724         157,533         139,206         132,004         126         126         126         126         126         126         220,537         280,200         27,678         186,639         186,673         174,724         157,533         139,209         132,200         174,729         174,729         139,281         126         126         25,433         280,200         27,678         186,639         186,673         174,724         157,639         144,292         133,281         12,200         18</td></th<>	Bac~ED         ED~Lib         Lib ~GAPul GPu~Vit         Vit~Qui         Qui ~Ped Ped~UN         UN ~CenSent ~Carr~D.Jdb.Jdo~Bam         Bam~Tay         Tay~Bm         Bru~ASar         San~R-R-R-R-R-R-R-R-R-R-R-R-R-R-R-R-R-R-R-	Bac~ED         ED~Lib         Lib ~GAPul GPu~Vit         Vit~Qui         Qui ~Ped Pad~UN         UN ~CenSent ~Carr~DJdDJdo~Bam         Bam~Tay         Tay~Bm         Bru~ASar         San~RP, Pa~5th, Jth A.           0.59         1.01         0.73         1.06         0.65         0.65         0.67         0.63         0.66         0.95         1.0           0.59         1.01         0.73         1.06         0.83         0.79         0.75         1.21         0.73         0.65         0.67         0.67         0.93         0.66         0.95         1.0           1.15.32         1.47.225         1.66         2.20.536         2.20.536         2.20.537         2.80.204         2.76.780         186,639         186,673         174,724         157,533         139,206         132,004         126         126         126         126         126         126         220,537         280,200         27,678         186,639         186,673         174,724         157,533         139,209         132,200         174,729         174,729         139,281         126         126         25,433         280,200         27,678         186,639         186,673         174,724         157,639         144,292         133,281         12,200         18

						· · ·	1 .			-	70	- m
(Line3)					,	1,046.4				3,554,393	3,171,515	6,725,908
(Line 1)						725.4		3.		2,661,502	2.544,921	5,206,423
Total	35.75				Train-km	1,771.8				6,215,895	5,716,436	21.80 11,932,331
Ивga∼Та	1.90	84,335	86,752	8,434	8,675	24	21,888	38.5	39.6	160,237	164,829	21.80
4ya ~ Mag Ì	1.20	147,511	150,903	14,751	15,090	24	888	67.4	68.9	177,013	181,084	km
3uen∼Ay/	0.90	155,695	165,882	15,570	16,588		21,888 21	71.1	75.8	140,126	149,294	
3uad∼Bu[E	1.90	186,381	173,577	16,638	17,358	. 24	21,888	76.0	79.3	316,124	329,796	
3oni∼Gud(	0.84	203,266	186,738	20,327	18,674	24	21,888	92.9	85.3	170,743	156,860	
shaw~BdE	0.98	229,024	188,506	22,902	18,851	24	21,888	104.6	86.1	224,444	184,736	
orti∼Sha S	0.80	230,458 253,435 229,024	198,019	25,344	19,802	24 24 24 24 24 24 24	21,888	115.8	90.5	202,748	158,415	
Sant~Ord(	2.33	230,458	202,316	23,046	20,232	≥ . 24	21,888	105.3	92.4	536,967	471.396	
Suba~Sa S	1.42	192,459	178,878	19,246	17,888	24	21,888	87.9	81.7	273,292	254,007	
(am. ~Cu∫C	1,93	177,578	164,570	17,758	16,457	24	21,888	81.1	75.2	342,726	317,620	
⊋ue.∼Kar t	96.0	177,578	136,839	17,758	13,684	24 24 24	21,888 21	81.1	62.5	170,475	131,365	
Nort.∼Qu¦(	1,26	154,110	115,347	15,411	11,535	24	888.	70.4	52.7	194,179	145,337	
200. ~Nor ₹	1.65	148,110	113,233	14,811	11,323	24	21,888 21	67.7	51.7	244,382	186,834	
3al.~Roo	1.75	133,472	96,595	13,347	9,660	. 24	21,888	61.0	44.1	233,576	169,041	
Mon.∼Ball	1.98	84,527	86,313	8,453	8,631	24	21,888	38.6	39.4	167,363	170,900	
Mon. ~Bal Bal. ~Roo Roo. ~Nor Nort. ~Qu Que. ~Ken Kam. ~Cu Guba ~Sa Sant.~Ort Ort! ~Sha Shaw ~Bd Boni ~Gu Guad ~Bu Buen ~Ay Aya ~Mag Maga ~Ta	1.98			Γ	8,631	24	)	!	39.4			

6.2.11 (1) Transport Plan of Line 2 (Case 1 & 2)

	7042	16 40	10:43				i raın-km	462.3				2313342	2.410.706	4,724,048		1	igo	10.49			-	rain-km	4/8/			2 464 504	2 506 368	4,970,872
	‡ *	2 58	464600	809101	75/7/	1000	1/2/4	<b>2</b>	18,540	87.2	93.2	416.951	445,674	8.28	J	‡	1000	4.5000	776001	1,448/	780,01	17,449	0 27	2400	04.1	428.079	450.176	8.28
	* ~ ues	1 30	174207	174507	57107	1247	20,142	2	18,540	94.0	108.6	242.287	279,978	кя		Sange	130	4 20000	770071	17 000	2007	10107	10 540	08.0	109.6	247.451	282,440	km
	Kat~San	2.10	17				`	44 74 75	18,540	94.0	108.6	366,045	422,988			Kat~San	0 0	] -	20071	17 000	20071	100	<u> </u>	0 98	109.6	373.846	426,707	
	Ano~Kat	0.98	20,	914709		1	7	78 T	18,540	109.0	115.9	193,935	206,201			Cub~ And Ang~Kat Kat~San	0.08	20800	210004	20 800	21 894	1,024	18 540	1111	117.7	197.764	209,508	
	Bos ~ Cub Cub ~ Ang Ang ~ Kat Kat ~ San	125	206	20002		ļ	10+17	¥.	~		115.8	258,299	268,296		:			210657	218057	21.068	21 AOR	200, 2	18 540	1136	117.6	263,321	272,571	
	Bos~Cub	1.33	119050	113421			212	0000	=	115.6	110.1	158,337	150,863	8.21		Bos~Cub	1.33	196491	120364	19 642	12.036	12,000	11 330	111.6	106.2	168,140	160,084	8.21
	Gil~Bos	1.07	119337	113431	11031	11 242	100	7	005,01	115.9	110.1	127,691	121,371	Ā		Gil~Bos	1.07	126704	120364	12 670	12,036		11 330	111.8	106.2	135,573	128,789	Ŧ
nnect	J.R.~Gil	0.91	120718	112784	19.079	11 278	10	0000	10,300	117.2	109.5	109,853	102,633		ot connect	J.R.~Gil	0.91	132206	122484	13 221	12.248		11,330	116.7	108.1	120,307	111,460	
PNR:Ground—Not connect	our~Ara Ara~J.R	1.07	119432	111542	11 943			10.200	000,01	116.0	108.3	127,792	119,350		NR:UndergroundNot connect	ur~Ara Ara~J.R	1.07	131952	121309	13.195	12.131		11.330	116.5	107.1	141,189	129,801	
PNR:Groun	P⊔r∼Ara	1.5	93796	97061	9.380	9 706	10	10 300	000,01		94.2	140,694	145,592		PNR:Under		1.5	114370	.106836	11.437	10,684		11,330	100.9	94.3	171,555	160,254	
	Rec~Leg Leg~Pur	1.38	84568	65620	8 457	6.562	10	10 300	7000	82.1	63.7	116,704	90,556			Leg~Pur	1.38	106282	77149	10,628	7,715		11,330	93.8	68.1	146,669	106,466	
Line 2	Rec~Leg	0.95	57636	60214	5.764	6.021	10	10.300	200,0	0.00	58.5	54,754	57,203	:	Line 2	Rec~Leg Leg~Pur P	0.95	74326	71695	7,433	7,170	=	11,330	65.6	63.3	70,610	68.110	
Case 1	2	km	(E.B)	←(W.B)	→(E.B)	←(W.B)	No./1wav	(n /h)	1 2 2		%( <u>†</u> )	→(E.B)	←(W.B)	,	Case Z Line 2	2	km	→(E.B)	←(W.B)	→(E.B)	(W.B)	No./1way	(h/'d)	( <u>↑</u> )%	£ (1) %	(E.B.)	(₩.B)	
	Line 2	Section	Carried	(pes./day)	Peak hour	*10%	No.of Train	Trans Cana	1030	( , , , , , , , , , , , , , , , , , , ,	(pes./train)	Pers.∸km				Line 2	Section	Carried	(pes./day)	Peak hour	*10%	No.of Train	Trans.Capa.	1030	(pes./train)	Perskm		

6.2.11 (2) Transport Plan of Line 2 (Case 3 & 4)

															_												_
	Total	16.49				Train-km	462.3	•			2,341,996	2,425,074	4,767,070		Total	16.49		•		Train-km	478.7				2,491,172	2,524,908	5,016,081
	#~*	2.58	164731	174053	16,473	17,405	18	18,540	88.9	93.9	425,006	449,057	8.28		# ~ *	2.58	168617	175785	16,862	17,579		18,540	90.9	94.8	435,032	453,525	8.28
	San∼ *	1.39	177393	206757	17,739	20,676	18	18,540	95.7	111.5	246,576	287,392	ф		San~ ∗	1.39	180807	208507	18,081	20,851	81-8-3	18,540	97.5	112.5	251,322	289,825	<del>k</del> a
	Kat∼San	2.10	177393	206757	17,739	20,676	18	18,540	95.7	111.5	372,525	434,190			Kat~San	2.10	180807	208507	18,081	20,851	8116	18,540	97.5	112.5	379,695	437,865	
	Ano~Kat	0.96	206573	222728	20,657	22,273	18	18,540	111.4	120.1	198,310	213,819			Ano~Kat	0.96	210222	226256	21,022	22,626	81	18,540	113.4	122.0	201,813	217,206	
	Bos~Cub Cub~Ano Ano~Kat Kat~San	1.25	212063	221563	21,206	22,156	18	18,540	114.4	119.5	265,079	276,954			Bos∼Cub Cub∼Ano Ano∼Kat Kat∼San	1.25	215727	225080	21,573	22,508	81	18,540	116.4	121.4	269,659	281,350	
	Bos~Cub	1.33	118049	109459	11,805	10,946	10	10,300	114.6	106.3	157,005	145,580	8.21	,	Bos~Cub	1.33	125582	117026	12,558	11,703		11,330	110.8	103.3	167,024	155,645	8.21
ect	Gil~Bos	1.07	118335	109459	11,834	10,946	10	10,300	114.9	106.3	126,618	117,121	Ē	Connect	Gil~Bos	1.07	125865	117026	12,587	11,703		11,330	111.1	103.3	134,676	125,218	km
ine3 Conn		0.91	119938	109243	11,994	10,924	10	10,300	116.4	106.1	109,144	99,411		ne1&Line3	J.R.~Gil	0.91	131492	119544	13,149	11,954	113000	11,330	116.1	105.5	119,658	108,785	
PNR:Ground—Line1&Line3 Connect	Pur~Ara Ara~J.R J.R.~Gil	1.07	119180	108153	11,918	10,815	10	10,300	115.7	105.0	127,523	115,724		PNR:UndergroundLine1&Line3 Connect		1.07	131775	118504	13,178	11,850		11,330	116.3	104.6	140,999	126,799	
PNR:Groun	Pur~Ara	1.5	94401	94780	9,440	9,478	101	10,300	91.7	92.0	141,602	142,170		PNR:Under	Pur~Ara Ara~J.R	1.5	114959	105226	11,496	10,523	1. 经搬货率	11,330	101.5	92.9	172,439	157,839	
		1.38	85011	63860	8,501	6,386	10	10,300	82.5	62.0	117,315	88,127	•			1.38	106910	75550	10,691	7,555	1148	11,330	94.4	66.7	147,536	104,259	
Line 2	Rec~Leg Leg~Pur	0.95	58203	58452	5,820	5,845	10	10,300	56.5	56.7	55,293	55,529		Line 2	Rec~Leg Leg~Pur	0.95	75075	70098	7,508	7,010	11	11,330	66.3	61.9	11,321	66,593	
Case 3	2	km	→(E.B)	←(W.B)	→(E.B)	←(W.B)	No./1way	(h./h)	(←)%	(→)%	(E.B)	(W.B)		Case 4	2	km	→(E.B)	(M.B) →	<b>→</b> (E:B)	←(W.B)	No./1way	(h//d)	(←)%	(→)%	—(E.B)	←(W.B)	
	Line 2	Section	Carried	(pes./day)	Peak hour	*10%	No.of Train	Trans, Capa,	1030	(pes./train)	Perskm				Line 2	Section	Carried	(pes./day)	Peak hour	*10%	No.of Train	Trans.Capa.	1030	(pes./train)	Perskm		

6.2.12 (1) Transport Plan of Line 4 (Case 1)

	Case 1 Line 4	Line 4		PNR Ground-Not connect	d-Not co	nnect		;								
Line 4	, 4	Old~UST	Old~UST UST~Ant Anti~Wel Wel~Ban	Anti~Wel	Wel~Ban	Ban~Ara,	4ra~Roos	Roos~Tim	Tim~Boh	3oh~Que	2ue~Agh	gh~Q.Cit C	2.City~Phi	Jan ~ Ara Ara Ara ~ RoosRoos ~ Tim Tim ~ Boh Boh ~ Que J Que ~ Aghlygh ~ Q. Citl Q. City ~ Ph Phi ~ Stat   Stat ~ Tan   Tan ~ Zur	Stat~Tan	Tan~Zur
Section	km	0.95	29'0	1.06	0.93	9.0	0.76	0.93	0.78	99.0	0.45	1.3	0.65	1.46	1.12	0.91
Carried	(E.B)	111659	124757	154043	160471	179856	184150	192274	191670	188307	247342	265055	256597	247669	218742	215595
(pes./day)	(W.B)	137423	153599	195922	197553	219786	228444	228515	228515	223790	263405	269598	262542	260677	226482	230248
Peak hour	→(E.B)	11,166	12,476	15,404	16,047	17,986	18,415	19,227	19,167	18,831	24,734	26,506	25,660	24,767	21,874	21,560
*10%	(W.B)	13,742	15,360	19,592	19,755	21,979	22,844	22,852		22,379	26,341	26,960	26,254	26,068	22,648	23,025
No.of Train	No./1way	20	20	20 20	. 20		<b>20</b>		20	20   20	. 20	20	~ 20	20		20
Trans.Capa.	(h./h)	22,920	22,920	22,920	22,920	22,920	22,920	22,920	22,920	22,920	22,920	22,920	22,920	22,920	22,920	22,920
1146	(←)%	48.7	54.4	67.2	70.0	78.5	80.3	83.9	83.6		107,9	115.6	112.0	108.1	95.4	94.1
(pes./train)	(→)%	0.09	67.0	85.5	86.2	95.9	99.7	99.7	99.7	97.6	114.9	117.6	114.5	113.7	98.8	100.5
Perskm	→(E.B)	106,076	83,587	163,286	149,238	143,885	139,954	178,815	149,503	124,283	111,304	344,572	166,788	361,597	244,991	196,191
-	←(W.B)	130,552	102,911	207,677	183,724	175,829	173,617	212,519	178,242	147,701	118,532	350,477	170,652	380,588	253,660	209,526

B~Dona Dona~Reg Reg 0.84 1.28 87100 78563 89467 80894 8.710 7.856 8.947 8.089 17.190 17.190 17.190 17.190 52.0 47.1 52.0 47.1 75.152 103.544	7,507,235							rş.
Bri∼Qui Tc 2.08 42890 36255 4,289 3,626 Trai 17,190 25,0 25,0 21,1 89,211 3,55			112,682	103,544	75,152	207,891	151,429	194,488
Bri∼Qui Tc 2.08 42890 36255 4,289 3,626 Trai 17,190 25.0 25.0	]	89,211	139,057		73,164	192,787	143,667	87,914
Bri∼Qui Tc 2.08 42890 36255 4,289 3,626 Trai 17,190 25.0			37.0			87.0	79.6	77.8
Bri∼Qui Tc 2.08 42890 36255 4,289 3,626 Trai 3,626 Trai					50.7	80.7	75.5	75.2
Bri∼Qui Tc 2.08 42890 36255 4,289 3,626 Trai		17,190			17,190	17,190	22,920	22,920
Bri~Qui 2.08 42890 36255 4,289 3,626	834.8	15	15		PE 15	15	20	20
2.08 42890 36255 4,289	٠ ١		998'9		8,947	14,956	18,245	17,843
Bri~Qui To 2.08 42890 36255					8,710	13,870	17,309	17,240
Bri∼Qui To 2.08 42890	,	36255	63662	80894	89467	149562	182445	178429
Bri∼Qui To 2.08		42890	78563	78563	87100	138696	173093	172398
Bri∼Qui	22.71	2.08	1.77	1.28	0.84	1.39	0.83	1.09
	Total		Reg~Bri	Dona∼Re	B∼Dona	Bat A∼B	Jon∼Bat /	~~Don

6.2.12 (2) Transport Plan of Line 4 (Case 2)
Case 2 line 4 PNR-Underground---Not connect

	n Tan∼Zur	0.91	2 212195		4 21,220	9 22,271	) 20	22,920	:		3 193,097	3 202,662
	Stat~Ta	1.12	į			21,889		22,920	-	95.5	241,183	245,153
	Phi~Stat	1.46	244234				S × 20	22,920		110.2	356,582	368,811
	lan~Ara Ara Ara ~RoogRoos~Tim Tim~BohBoh~Que; Que~Aghkgh~Q.Cit Q.Cit Q.City~Ph Phi~Stat Stat~Tan Tan~Zur	0.65	252851	254418	25,285		🛬 🗠 20 🐑	22,920	i		164,353	165,372
	Agh~Q.Cit	1,3	260794	.	26,079		50			113.9	339,032	339,327
	Que~Agh	0.45	242559		24,256	25,470		2	105.8	111.1	109,152	114,614
	Boh~Que	0.66	183523	215014		21,501	20	22,920	80.1	93.8	121,125	141.909
	Tim∼Boh	0.78	186738	219681	18,674	1				95.8	145,656	171.351
	Roos∼Tin	0.93	187342	219681	18,734	21,968				92.8	174,228	204 303
	Ara~Roos	0.76	179222	219173	17,922		20	1	78.2	95.6	136,209	166.571
ot connect	Ban~Ara	0.8	174923	210499	17,492	1	20	2		91.8	139,938	168 399
PNR:UndergroundNo	Wel∼Ban	0.93	156278	188253	15,628	18.825	20	22,920		82.1	145,339	175.075
PNR:Under	Anti~Wel	1.06	149900	193203	14,990	19,320	20	22,920	i i	84.3	158,894	204 795
_	JST~Ant	0.67	144480	181098	14.448	18,110	20 20	22.920	63.0	79.0	96,802	121 336
Line 4	OId~UST UST~Ant Anti~Wel Wel~Ban	0.95	132831	167987	13.283	16,799	20	22.920	58.0	73.3	126,189	159 588
Case 2 Line 4		kп	→(E.B)	←(W.B)	<b>→</b> (E.B)	(W.B)	No./1way	(n/h)	(_)%	(↓)%	(E.B)	(% B)
	Line 4	Section	Carried	(pes./day)	Peak hour	*10%	No.of Train No./1way	Trans.Capa.	1146	(pes./train)	Perskm	

3,562,331 3,828,488 7,390,819	24.7 21.0 88,325 75,215 7.36	45.5 37.0 138,402 112,432 km	45.5 42.7 100,087 93,896	50.4 47.7 72.840 68.819		79.3 82.6 189,564 197,424	
	17,190	17,190	1	7,190	_	_	17,190 17,190 1
834.8	15		May 15	<b>15</b>	A67	15	20 15
Train-km	3,616	6,352	7,336	8,193	α	14,203 8,	٠
	4,246	7,819	7,819	8,671	8	13,638 8,	:
	36161	63521	73356	81927	18	142032 81	
	42464	78193	78193	86714	86	136377 86	_
22.71	2.08	1.77	1.28	4	0.84	1.39 0.8	
Total	Bri∼Qui	Bat A~B   B~Dona Dona~Reg Reg~Bri	Jona∼ Keg		1		

6.2.12 (3) Transport Plan of Line 4 (Case 3)

	Case 3 Line 4	Line 4	<u> </u>	PNR:GroundLine1&	dLine1&I	Line3 Connect	lect									
Line 4	9.4	Old~UST UST~Ant Anti~Wel Wel~Ban	IST~Ant,	Anti~Wel		Ban∼Ara	Ara~Roos	Roos~Tin	Tim~Boh	3oh~Quea	Jue~Agh	gh~Q.Cit C	Ban~Ara Ara Ara~RoosRoos~Tim Tim~BohBoh~Que; Que~Aghkgh~Q.Cit Q.City~Ph Phi~Stat Stat~Tan Tan~Zur	Phi~Stat	Stat~Tan	Tan∼Zur
Section	kт	0.95	0.67	1.06	0.93	0.8	0.76	0.93	0.78	99.0	0.45	1.3	0.65	1.46	1.12	0.91
Carried	→(E.B)	114529	127589	156881	163588	182825	186625	194667	194358	191032	244922	262658	254337	245450	216463	213092
(pes./day)	←(W.B)	120690	136150	176909	178531	200762	209061	209600	209600	204906	263803	282196	275885	274091	239816	241598
Peak hour	→(E.B)	11,453	12,759	15,688	16,359	18,283	18,663	19,467	19,436	19,103	24,492	26,266	25,434	24,545	21,646	21,309
*10%	←(W.B)	12,069	13,615	17,691	17,853	20,076	20,906	20,960	20,960	20,491	26,380	28,220	27,589	27,409	23,982	24,160
No.of Train	No./1way	22	22	22	22		22	. 22	22	22	22 22 22	্≲া: 22	22	22	22	22
Trans.Capa.	(p./h)	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212
1146	(←)%	45.4	50.6	62.2	64.9	72.5	74.0	77.2	77.1	75.8	97.1	104.2	100.9	97.4	85.9	84.5
(pes./train)	(←)%	47.9	54.0	70.2	70.8	79.6	82.9	83.1	83.1	81.3	104.6	111.9	109.4	108.7	95.1	92.8
Perskm	→(E.B)	108,803	85,485	166,294	152,137	146,260	141,835	181,040	151,599	126,081	110,215	341,455	165,319	358,357	242,439	193,914
	←(W.B)	114,656	91,221	187,524	166,034	160,610	158,886	194,928	163,488	135,238	118,711	366,855	179,325	400,173	268,594	219,854

Total	22.71				Train-km	896.2				3,562,277	3,910,608	7.36 7,472,885
Bri~Qui	2.08	38035	39067	3,804	3,907	S 1 2	17,190	22.1	22.7	79,113	81,259	7.36
Reg~Bri	1.77	74161	69142	7,416	6,914	15	17,190	43.1	40.2	131,265	122,381	km
Zur~Don Don ~ Bat A Bat A~B B~Dona Dona ~ Reg Reg~Bri	1.28	74161	86019	7,416	8,602	91000	17,190	43.1	50.0	94,926	110,104	
B∼Dona	0.84	82715	.94557	8,272	9,456	15	17,190	48.1	55.0	69,481	79,428	
Bat A∼B	1.39	136271	160994	13,627	16,099	15	17,190	79.3	93.7	189,417	223,782	
on∼Bat ا	0.83	170619	193711	17,062	19,371	22	25,212	67.7	76.8	141,614	160,780	15.35
Zur~Don	1.09	169936	189704	16,994	18,970	22	25,212	67.4	75.2	185,230	206,777	km

6.2.12 (4) Transport Plan of Line 4 (Case 4)
Case 4 Line 4 PNR:Underground—Line 1& Line 3 Connect

	Vasc 7 LINE 1	1		FIND CHUCKEROUNG	REDUING F	THE I CHITES COLLINECT	College									
Line 4	, 4	Old~UST	JST~Ant	Old~UST UST~Ant Anti~Wel Wel~Ban	Wel~Ban	Ιщ	4ra~RoosF	3oos~Tim	Tim~BohB	oh~Quez(	Jue~Agh	gh~Q.Cit	Jan~Ara Ara Ara~RoosRoos~Tim Tim~BohBoh~QuedQue~AghAgh~Q.Cit(Q.City~Ph) Phi~Stat Stat ~Tan Tan~Zur	Phi~Stat S	tat~Tan	an~Zur
Section	km	0.95	0.67	1.06	0.93	0.8	0.76	0.93	0.78	0.66	0.45	1.3	0.65	1.46	1.12	0.91
Carried	→(E.B)	136135	147706	153031	159705	178548	182356	190396	190080	186896	240441	258684	250845	242281	213333	209957
(pes./day)	←(W.B)	149868	162421	174175	169253	191519	199858	200392	200392	195698	254072	273037	267164	265460	231638	233383
Peak hour	→(E.B)	13,614	14,771	15,303	15,971	17,855	18,236	19,040	19,008	18,690	24,044	25,868	25,085		21,333	20,996
*10%	←(W.B)	14,987	16,242	17,418	16,925	19,152	19,986	20,039	20,039	19,570	25,407	27,304	26,716	26,546	23,164	23,338
No.of Train	No./1way	22	22	55	22	22	22	22	22	22	22	22		Υ.	22	22
Trans.Capa.	(h./h)	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212	25,212
1146	(←)%	54.0	58.6	60.7	63.3	70.8	72.3	75.5	75.4	74.1	95.4	102.6	99.5	96.1	84.6	83.3
(pes./train)	(→)%	59.4	64.4	69.1	67.1	76.0	79.3	79.5	79.5	77.6	100.8	108.3	106.0	105.3	91.9	92.6
Pers,-km	→(E.B)	129,328	98,963	162,213	148,526	142,838	138,591	177,068	148,262	123,351	108,198	336,289	163,049	353,730	238,933	191,061
	←(W.B)	142,375	108,822	184,626	157,405	153,215	151,892	186,365	156,306	129,161	114,332	354,948	173,657	387,572	259,435	212,379

Total	22.71				Train-km	896.2				3,539,950	3,809,970	7,349,921
Bri∼Qui	2.08	37564	38396	3,756	3,840	15	17,190	21.9	22.3	78 133	79,864	7.36
Reg~Bri	1.77	73688	68418	7,369	6,842	15	17,190	42.9	39.8	130,428	121,100	km
Dona ~ Reg	1.28	73688	77903	7,369	7,790	15	17,190	42.9	45.3	94,321	99,716	
B∼Dona	0.84	82210	86429	8,221	8,643	ି 15	17,190	47.8	50.3	69,056	72,600	
Bat A~B B~Dona Dona~Reg	1.39	134196	152808	13,420	15,281	15	17,190	78.1	88.9	186,532	212,403	
on∼Bat /	0.83	167613	185508	16,761	18,551	22	25,212	66.5	73.6	139,119	153,972	15.35
Zur~Don Don~Bat /	1.09	166935	181494	16,694	18,149	22	25,212	66.2	72.0	181,959	197,828	Ž

6.2.13 (1) Transport Plan of Line 6 (Case 1 & 2)

•	Case 1 Line 6	Line 6		PNR:Grour	PNR:GroundNot connect	nnect						
Line 6	9 €	Niog~Tal	-a	tap~L.Pin	Pina∼Mar	∼Zap lap∼L.PinPina∼Maranu ~D.SaBant ~N.A .Aqui ~As Asia ~MIAMIA ~Red&ede ~Bac	Sant~N.A	Aqui~Asi,	Asia~MIA	/IA~Rede	ede~Baci	Total
Section	km	0.67	1.04	1.45	1.35	76.0	1.38	1.62	0.78	1.62	0.80	11.69
Carried	→(N.B)	125242	125311	119685	122768	127086	112500	132938	117073	102602	86470	
(pes./day)	←(S.B)	95385	92/58	103835	122625	134232	116967	121393	111042	106044	75192	
Peak hour	→(N.B)	12,524	12,531	11,969	12,277	12,709	11,250	13,294	11,707	10,260	8,647	
*10%	←(S.B)	9,539	9,573	10,384	12,263	13,423	11,697	12,139	11,104	10,604	7,519	Train-km
No.of Train No./1way	No./1way	715	21 💮 🗟	71	<b>2</b> )	12	12	12	15	12	1.5	280.6
Trans.Capa.	(p./h)	10,944	10,944	10,944	10,944	10,944	10,944	10,944	10,944	10,944	10,944	
912	%(→)	114.4	114.5	109.4	112.2	116.1	102.8	121.5	107.0	93.8	79.0	
(pes./train)	(→)%	87.2	87.5	94.9	112.0	122.7	106.9	110.9	101.5	6.96	68.7	
Perskm	→(N.B)	83,787	130,574	173,663	165,860	123,782	155,363	215,758	91,200	166,215	69,176	1,375,377
	←(S.B)	63,813	99,749	150,665	165,666	130,742	161,531	197,021	86,502	171,791	60,154	1,287,633
	(	:					:				Paskm	Paskm 2,663,010

L	Daci lotal	0.80	85,942	74,118	8,594	7,412 Train-km	12 280.6	10,944	78.5	67.7	68,754 1,372,456	59,294 1,284,741
Dod dodo	, vendene.	1.62 0	102,173 8	105,858 7	10,217	10,586	12	10,944	93.4	96.7	165,520	171,490
S S AND A ALLA	מייין אוויריאווירי	0.78	116,722 10	110,856 10	11,672	11,086 1	12 12	10,944	106.7	101.3	90,926	86,357
Tal~720 /20 Dina~Maria Mariant N & Amin A Amin A Makila Milahita Control of the Control	SYICK I INDU	1.62	132,530 1	121,209 1	13,253	12,121	12	10,944	121.1	110.8	215,096	196,722
Sant~N A	Calle IV.O.	1.38	112,080	116,784	11,208	11,678	12	10,944	102.4	106.7	154,782	161,279
Se S O ~ Inche M ~ enid nid 1 ~ ne	מיט היים	0.97	126,942	134,055	12,694		12	10,944	116.0	122.5	123,642	130,570
Dina ~ Ma	ווום ועומי	1,35	122,623	122,408	12,262	12,241	12	10,944	112.0	111.8	165,664	165,373
na  ~ue	במת ה	1.45	119,555	103,416	11,956	10,342	12	10,944	109.2	94.5	173,474	150,057
Tal~7an	1 at 1 ap	1.04	125,450	95,753	12,545	9,575	12	10,944	114.6	87.5	130,719	99,775
Niog~Tal	9011	0.67	125,379	95,403	12,538	9,540	12	10,944	114.6	87.2	83,879	63,825
Niog~	2	km	(N.B)	· ←(S.B)	→(N.B)	←(S.B)	No./1way	(h/-d)	( <u>†</u> )%	%(←)	→(N.B)	←(S.B)
- And		Section	Carried	(pes./day)	Peak hour	*10%	No.of Train No./1way	Trans.Capa.	912	(pes./train)	Perskm	

6.2.13 (2) Transport Plan of Line 6 (Case 3 & 4)

	acl Total	11.69	76	0.7	28	28 28 58	28 58 03 Train-km		Trai	Trai	Tra	Trai
	al~Zap ap~L.Pin Pina~Maranu~D.Sabant~N.Al.Aqui~As Asia~MIAMIA~Red&ede~Bacil	0.80	36 85,576		52 76,028			7	52 76.028 24 8,558 56 7,603 72 12	52 76,02 24 8,55 56 7,60 7,61 7,61 10,94 13 78	52 76,02 24 8,51 56 7,60 7,60 12 10,94 13 78	52 76,028 56 7,603 66 7,603 72 12 74 10,944 1.3 78.2 1.3 69.5 7.5 69.5
Train	AMIA~Re	1.62	8 103,236		0 106,662	l`	[	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	200			
4pers/m:912pers/Train	Asia~MI	0.78	117,048		111,660			, 100 days				
4pers/m:	.Aqui∼As	1.62	132,886		121,917	121,917	121,917 13,289 12,192	121,917 13,289 12,192	12	12	12	12 1 12   12
	Sant~N.A	1.38			117,410			117,410 11,245 11,741	117,410 11,245 11,741 10,944	117,410 11,245 11,741 10,944 102.8	11,245 11,245 11,741 10,944 102.8	117,410 11,245 11,741 10,944 102.8 107.3
nnect	anu~D.Sa	0.97	127,142		134,591	l'		, (CSC )	. (ASC) (ASC) (ASC)	, ASSO : 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	7.550 c. 2.550 c. 2.550 c.	
PNR:GroundNot connect	Pina ~ Mar	1.35	122,832	ı	123,003			179.6	1 268	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.68	1 1 666
PNR:Groun	ap~L.Pin	1.45			104,049			104,049 12,045 10,405	104,049 12,045 10,405 10,944	104,049 12,045 10,405 10,944 110,1	104,049 12,045 10,405 10,944 110.1 95.1	104,049 12,045 10,405 10,944 110.1 95.1 174,769
	Tal~Zap	1.04	125,708	06 414	11100	12,571	12,571	90,414 12,571 9,641	9,641 9,641 10,944	9,641 9,641 10,944 114.9	9.641 9.641 10.944 114.9 88.1	90,414 9,641 10,944 114.9 88.1
Line o	Niog~Tal	0.67	125,641	96 11R	2	12,564	12,564	12,564 12,564 9,612	12,564 9,612 12 10,944	12,564 9,612 10,944 114.8	12,564 9,612 10,944 114.8 87.8	12,564 9,612 10,944 114.8 87.8 87.8
Case 3 Line 6	ယ	km	(N.B) ←	(S.B) →		<b>↓(N.B)</b>	(N.B) ←(S.B)	→(N.B) ←(S.B) No./1way	→(N.B) ←(S.B) No./1way (p./h)	→(N.B) ←(S.B) No./1way (p./h) %(→)	→(N.B) ←(S.B) No./1way (p./h) %(→) %(←)	→(N.B) ←(S.B) No./1way (p./h) %(←) %(←) %(←)
	Line 6	Section	Carried	(pes./day)		Peak hour	Peak hour *10%	Peak hour →(N.B) *10% ←(S.B) No.of Train No./1way	Peak hour *10% No.of Train Trans.Capa	Peak hour *10% No.of Train Trans.Capa	Peak hour *10% No.of Train Trans.Capa 912 (pes./train)	Peak hour *10% No.of Train Trans.Capa. 912 (pes./train) Perskm

2,671,069

	Case 4 Line 6	Line 6		PNR:Under	PNR:UndergroundLine1&Line3 Connect 4pers/m²:912pers/Train	ine1&Line3	Connect	4pers/m²:∜	312pers/Tr	ain	1	
Line 6	9	Niog~Tal	-	Tal~Zap ap~L.Pin Pina~Maranu~D.SaSant~N.Al.Aqui~As Asia~MIAMIA~Red&ede~Bac	Pina~Mar	anu~D.Sa	Sant~N.A.	.Aqui∼Asi	Asia~MIA	MA~Rede	ede~Bacl	Total
Section	Ř	0.67	1.04	1.45	1.35	0.97	1.38	1.62	0.78	1.62	0.80	11.69
Carried	(N.B)	125,608	125,675	120,442	122,830	127,142	112,045	132,443	116,829	102,767	85,038	•
pes./day)	(S.B)	96,188	96,477	103,948	122,801	134,426	117,238	121,748	111,420	106,422	74,776	
eak hour	→(N.B)	12,561	12,568	12,044	12,283	12,714	11,205	13,244	11,683	10,277	8,504	
*10%	←(S.B)	9,619	9,648	10,395	12,280	13,443	11,724	12,175	11,142	10,642	7,478	Train-km
No.of Train No./1way	No./1way	12	12	-12	12	1.5	12	8 12		12	Sec. 12	280.6
rans.Capa	(h/.d)	10,944	10,944	10,944	10,944	10,944	10,944	10,944	10,944	10,944	10,944	
912	(←)%	114.8	114.8	110.1	112.2	116.2	102.4	121.0	106.8	93.9	7.7.7	
pes./train)	(→)%	87.9	88.2	95.0	112.2	122.8	107.1	111.2	101.8	97.2	68.3	
Perskm	→(N.B)	84,032	130,953	174,761	165,943	123,836	154,734	214,955	91,010	166,483	68,030	1,374,738
	←(S.B)	64,350	100,529	150,829	165,904	130,931	161,906	197,597	86,796	172,404	59,821	1,291,066
												2,665,804

6.2.14 (1) Transport Plan of North Rail/MCX (Case 1)

150% Commuter	Pac~Vit	1.67	259454	266778	25,945	26,678	16	27,840	93.2	95.8	433,288	445,519	Ī
150%	7~8 8~9 Blum Blum~LaLao~Espaspa~S.Ma, Mes~ParPand~Pad Pac~Vit	1.42	262755	260981	26,276	26,098	91.	27,840	94.4	93.7	373,112	370,593	
'train	.Mes∼Par	1.49	260264	244869	26,026	24,487	16 16	27,840	93.5	88.0	387,793	364,855	
10cars*1740parsons/train	spa~S.Me	1.96	255600	237533	25,560	23,753	91	27,840		85.3	500,976	465,565	
10cars*1 <i>7</i> 4	Lao~Espa	0.52	216514	198585	21,651	19,859	91   10	27,840	77.8	71.3	112,587	103,264	
	Blum~La	1,10	213444	198416	21,344	19,842	91 10	27,840	76.7	71.3	234,788	218,258	
ىد	8~9 Blum	1.70	207609	169267	20,761	16,927	91.	27,840	74.6	8'09	352,935	287,754	
PNR:GroundNot connect	7~8	0.50	208416	143345	20,842	14,335	16	27,840	74.9	51.5	104,208	71,673	
ndNot	<i>L</i> ~9	0.50	206438	144146	20,644	14,415	9144	27,840	74.2	51.8	103,219	72,073	
'NR:Grou	Caloo∼6	3.60	193593	133770	19,359	13,377	91	27,840	69.5	48.0	696,935	481,572	
ı.	4~Caloo Caloo~6	1.30	180445	139127	18,045	13,913	6	15,660	115.2	88.8	234,579	180,865	12.40
CX	3~4	4.50	167113	126005	16,711	12,601	6	15,660	106.7	80.5	752,009	567,023	km
North Rail/MCX	Mey~3	3.50	147088	120555	14,709	12,056	6	15,660	93.9	77.0	514,808	421,943	
North	Mari~Mey Mey~3	3.10	111511	85864	11,151	8,586	6	15,660	71.2	54.8	345,684	266,178	
Case 1	/MCX	km	→(S.B)	←(N.B)	→(S.B)	←(N.B)	No./1way	(h/,q)	(←)%	%(←)	→(S.B)	←(N.B)	
	Nrth Rail/MCX	Section	Carried	(pes./day)	Peak hour	*10%	No.of Train No./1way	Trans.Capa.	1740	(pes./train)	Perskm		:

	~Cab Total	3.61 63.21	60772	92519	6.077	9.252 Train-km	8 1,659.5	13.920	43.7	66.5		219,387 12,939,518
	FTI~Bic Bic~Sucabucat~Ald Ala~Mun Nun~San Ban P~BirBin~S.Rol S.Ro~Cab	4.04	82076	137270	8.208	13,727	8	13.920	59.0	98.6		331,587
	San P~BirB	4.20	111994	163441	11,199	16,344	8	13,920	80.5	117.4		470,375
	/un~San	3.56	194634	246978	19,463	24,698	91	27,840	6.69	88.7		2692'892
	Ala~Mun	3.31	274474	280191	27,447	28,019	16	27,840	98.6	100.6		908,509
	Sucat~Ala	3.68	269275	330528	26,928	33,053	914	27,840	96.7	118.7		990,932
	Bic~Sucar	4.01	309629	339833	30,963	33,983	16	27,840	111.2	122.1		1,241,612
	FT1~Bic	3.60	305030	345571	30,503	34,557	91500	27,840	109.6	124.1		1,098,108
	EDS~FTI	3.05	304894	336713	30,489	33,671	16	27,840	109.5	120.9		829,927
	Pio~EDS	1.11	290937	300892	29,094	30,089	16	27,840	104.5	108.1	00000	322,940
	it~BuenBuen~PidPio~EDS	1.12	286249	298639	28,625	29,864	16	27,840	102.8	107.3	000 000	320,038
21111	Vit~Buen	1.06	250683	259448	25,068	25,945	16	27,840	90.0	93.2	1865 326	477,007

6.2.14 (2) Transport Plan of North Rail/MCX (Case 2)

	/it~Buen	1.06	300307	311282	30,031	31,128	18	31,320	95.9	99.4	318,325	329,959	
	13~Vito Vit~Buen	1.10	314890	319544	31,489	31,954	81	31,320	100.5	102.0	346,379	351,498	
train	8~9 B~DJoseDJose~1111~Paco Paco~13	和41.17条件	315384	318221	31,538	31,822	81	31,320	100.7	101.6	368,999	372,319	
10cars*1740parsons/train	11~Paco	1373 ¢	308882	291356	30,888	29,136	18	31,320	98.6	93.0	423,168	399,158	
10cars*174	J.Jose∼1	1.17年      1.17年      1.17年     1.17年       1.17年	315805	281812	31,581	28,181	્રા 18	31,320	100.8	90.0	401,072	357,901	
	3 ~ D.Jose	源 1.97率	296755	250501	29,676	25,050	ু <b>া</b> 8	31,320	94.7	80.0	584,607	493,487	
ect	6~8	○※0.2⇒◎	296755	250501	29,676	25,050	18	31,320	94.7	80.0	59,351	50,100	
Not conn	7∼8Tayu	0.50	296599	219157	29,660	21,916	18	31,320	94.7	70.0	148,300	109,579	
round	2~9	0,50	293553	219958	29,355	21,996	18	31,320	93.7	70.2	146,777	109,979	
ONR:UndergroundNot connect	4~Caloo Caloo~6	3.60	268972	205330	26,897	20,533	18	31,320	85.9	65.6	968,299	739,188	
Nd	4~Caloo	1.30	237465	195446	23,747	19,545	12	20,880	113.7	93.6	308,705	254,080	12.40
CX	3~4	4.50	216596	171971	21,660	17,197	12	20,880	103.7	82.4	974,682	773,870	km
North Rail/MCX	Mey∼3	3.50	193930	151209	19,393	15,121	12	20,880	92.9	72.4	678,755	529,232	
Nort	Mari~Mey	3.10	156770	104427	15,677	10,443	12	20,880	75.1	50.0	485,987	323,724	
Case 2	/MCX	km	(S.B)	←(N.B)	(S.B)	←(N.B)	No./1way	(h//d)	(←)%	(→)%	(S.B)	←(N.B)	
	Nrth Rail/MCX	Section	Carried	(pes./day)	Peak hour	*10%	No.of Train	Trans.Capa.	1740	(pes./train)	Perskm		

Total	60.43				Train-km	1,813,4				14,156,001	14,736,551	11.85 28,892,551.72
		0	10	0	Ľ	0	0	100	2		<u> </u>	5 28,89
S.Ro~Ce	3.61	60700	98910	6.070	9.891		15,660	38.8	63.2	219,127	357,065	11.8
Bin∼S.Ro	4.04	83219	146664	8.322	14,666	6	15,660	53.1	93.7	336,205	592,523	km
an P~Bir	4.20	112634	172855	11,263	17,286	6	15,660	71.9	110.4	473,063	725,991	
lun~San E	3.56	194947	255029	19,495	25,503	18	31,320	62.2	81.4	694,011	907,903	36.18
S EDS∼FTI FTI∼Bic Bic∼SucaSucat∼Al4 Ala∼Mun/lun∼San San P∼BirBin∼S.RoS.Ro∽Cat	3.31	286247	295529	28,625	29,553	18	31,320	91.4	94.4	947,478	978,201	, ka
sucat∼Ala	3.68	283172	349614	28,317	34,961	18	31,320	90.4	111.6	1,042,073	1,286,580	
3ic∼Sucar	4.01	331619	367068	33,162	36,707	18	31,320	105.9	117.2	1,329,792	1,471,943	
FTI~Bic	3.60	329138	376387	32,914	37,639	18	31,320	105.1	120.2	1,184,897	1,354,993	
EDS~FTI	3.05	330787	368871	33,079	36,887	18	31,320	105.6	117.8	1,008,900	1,125,057	
	1.11			32,002	33,345		31,320	102.2	106.5	355,217	370,134	
3uen∼Pio Pio∼ED	1.12	314136	332223	31,414	33,222		31,320	100.3	106.1	351,832	372,090	

6.2.14 (3) Transport Plan of North Rail/MCX (Case 3)

	Pac~Vit	1.67	248346	260846	24.835	26,085	17	29.580	84.0	88.2	414,738	435.613	
	and~Pad	1.42	251665	254975	25,167	25,498	17	29,580	85.1	86.2	357,364	362,065	
rain	Mes~Parb	1.49	249194	238816	24,919	23,882	17	29,580	84.2	80.7	371,299	355,836	
Oparsons/t	pa~S.Me.	1.96	248811	230359	24,881	23,036	* 1 Provide	29,580	84.1	77.9	487,670	451,504	
10cars*1740parsons/train	8~9 Blum Blum~LaLao~Espaspa~S.Me.Mes~ParPand~Pad Pac~Vit	0.52	211338	191645	21,134	19,165	11	29,580	71.4	64.8	109,896	99,655	
,	Blum~Lat	1.10	208731	191477	20,873	19,148	1439 3	29,580	70.6	64.7	229,604	210,625	
sct	3~9 Blum	1.70	202192	164440	20,219	16,444	11/2012	29,580	68.4	55.6	343,726	279,548	
3 Conne	3 8~1	0.50	202997	139291	20,300	13,929		29,580	68.6	47.1	101,499	69,646	
e1&Line	6~7	0.50	201021	140092	20,102	14,009	新数制】	29,580	68.0	47.4	100,511	70,046	
undLir	Caloo~6	3.60	188053	130416	18,805	13,042	See 17	29,580	63.6	44.1	676,991	469,498	
PNR:Ground-Line1&Line3 Connect	4~Caloo Caloo~6	1.30	179254	135789	17,925	13,579	9	15,660	114.5	86.7	233,030	176,526	12,40
	3~4	4.50	167628	122894	16,763	12,289	6	15,660	107.0	78.5	754,326	553,023	km
North Rail/MCX	Mey∼3	3.50	147185	117856	14,719	11,786	6	15,660	94.0	75.3	515,148	412,496	
Nort	Mari∼Mey Mey~3	3.10	111392	86626	11,139	8,663	6	15,660	71.1	55.3	345,315	268,541	
Case 3	/MCX	km	→(S.B)	←(N.B)	→(S.B)	(NB)	No./1way	(p./h)	%(↑)	(↓)%	→(S.B)	(N.B)	
	Nrth Rail/MCX	Section	Carried	(pes./day)	Peak hour	*10%	No.of Train	Trans, Capa.	1740	(pes./train)	Perskm		

	MCX			<del>-</del> -	f		1,514						3,258,404 22,976,242
0000	North R.						223				1,847,819	1,410,585	3,258,404
	Total	63.21				Train-km	1,737.4				12,842,361	335,835 13,392,285	11.85 26,234,646
	S.Ro~Cab	3.61	60209	93029	6,031	9.303	8	13.920	43.3	8.99	217,715	335,835	11.85
	3ic~SucaSucat~Ald Ala~Mun Mun~San Ban P~BinBin~S.Ro S.Ro Cab	4.04	81687	137619	8,169	13.762	8	13,920	58.7	98.9	330,015	555,981	km
	San P∼Bii [	4.20	111580	163796	11,158	16,380	8	13,920	80.2	117.7	468,636	687,943	
	lun∼San I	3.56	195432	246827	19,543	24,683		29,580	66.1	83.4	695,738	878,704	38,96
	Ala~Mun/	3.31	274622	279839	27,462	27,984	11	29,580	92.8	94.6	908,999	926,267	km
	sucat∼Ald	3.68	270597	331723	27,060	33,172	11	29,580	91.5	112.1	995,797	1,220,741	
	3ic ~Suca	4.01	312609	340913	31,261	34,091	11	29,580	105.7	115.3	1,253,562	1,367,061	
		3.60	308007	346647	30,801	34,665	11	29,580	104.1	117.2	1,108,825	1,247,929	
	EDS~FTI	3.05	308032	337793	30,803	33,779	17	29,580	104.1	114.2	939,498	1,030,269	
-	Pio~EDS	1.11	283932	296294	28,393	29,629	17	29,580	0.96	100.2	315,165	328,886	
	t~BuenBuen~Pig Pig~EDS EDS~FTI FTI~Big	1.12	279190	294044	27,919	29,404	1.7	29,580	94.4	99.4	312,693	329,329	
1	Vit~Buen	1.06	240191	253510	24,019	25,351	17	29,580	81.2	85.7	254,602	268,721	

6.2.14 (4) Transport Plan of North Rail/MCX (Case 4)

	Vit~Buen	90	294531	303438	29.453	30,344	- 2	31,320	94.0	96.9	312,203	321,644	
	3~Vito V	1.10	308687	311574	30,869	31,157	. 18	31,320	98.6	99.5	339,556	342,731	
	1	海路上工業等	309074	310247	30,907	31,025	18	31,320	98.7	99.1	361,617	362,989	
<u> </u>	11 ~ Paco	201.37	302729	282927	30,273	28,293	18	31,320	96.7	90.3	414,739	387,610	
Underground	J.Jose ~1.11 ~ Paco Paco ~13	1.97	309160	271891	30,916	27,189	18	31,320	98.7	86.8	392,633	345,302	
_	~D.Jose	1.97	292125	248526	29,213	24,853	18	31,320	93.3	79.4	575,486	489,596	
onnect	7∼8Tayu 8 39 9 D.Josa	0.2	293934	242584	29,393	24,258	81	31,320	93.8	77.5	58,787	48,517	
&Line3 C	7~8Tay⊔	0,50	293725	212231	29,373	21,223	18	31,320	93.8	67.8	146,863	106,116	
Line1	2~9	0.50	290751	213032	29,075	21,303	18	31,320	97.8	68.0	145,376	106,516	
PNR:UndergroundLine1&Line3 Connect	Caloo~6	3.60	269033	198752	26,903	19,875	18	31,320	85.9	63.5	968,519	715,507	
PNR:Und	4~Caloo Caloo~6	1.30	240988	191369	24,099	19,137	12	20,880	115.4	91.7	313,284	248,780	12.40
	3~4	4.50	219320	169197	21,932	16,920	12	20,880	105.0	81.0	986,940	761,387	km
North Rail/MCX	Mey~3	3.50	195105	149791	19,511	14,979	12	20,880	93.4	71.7	682,868	524,269	
Nort	Mari~Mey Mey~3	3.10	156221	104743	15,622	10,474	12	20,880	74.8	50.2	484,285	324,703	
Case 4		km	→(S.B)	←(N.B)	→(S.B)	←(N.B)	No./1way	(h//h)	(←)%	(→)%	→(S.B)	←(N.B)	
	Nrth Rail/MCX	Section	Carried	(pes./day)	Peak hour	*10%	No.of Train	Trans.Capa.	1740	(pes./train)	Perskm		

MCX						1,515.78						24,491,601
North R.	.,		-	•		298				2,467,377	1,859,138	4,326,515 24,491,601
Total	60.43				Train-km	1,813.4				14,160,948	14,657,169	28,818,116
.Ro~Cab	3.61	60270	99239	6,027	9,924	6	15,660	38.5	63.4	217,575	358,253	11.85
3in~S.RoS	4.04	83017	146711	8,302	14,671	6	15,660	53.0	93.7	335,389	592,712	km
an P~Bir	4.20	112690	172976	11,269	17,298	6	15,660	72.0	110.5	473,298	726,499	
un∼San 🕏	3.56	196211	255437	19,621	25,544	8118	31,320	62.6	81.6	698,511	909,356	36.18
Bic~SucaSucat~Ald Ala~Mun Nun~San San P~BirBin~S.RoS.Ro~Cab	3.31	286592	295859	28,659	29,586	81	31,320	91.5	94.5	948,620	979.293	km
Sucat∼Ala	3.68	284799	351727	28,480	35,173	81.	31,320	6.06	112.3	1,048,060	1,294,355	
3ic ~ Sucat	4.01	334827	369379	33,483	36,938	18	31,320	106.9	117.9	1,342,656	1,481,210	
	3.60	332252	378702	33,225	37,870	8136	31,320	106.1	120.9	1,196,107	1,363,327	
EDS~FTI	3.05	333928	371082	33,393	37,108	18	31,320	106.6	118.5	351,308 1,018,480 1,196,107	1,131,800	
Pio∼EDS	1.11	316494	330139	31,649	33,014	18	31,320	101.1	105.4	351,308	366,454	
3uen∼Pid Pio∼EDS EDS∼FTI  FT1∼Bic	1.12	310526	328788	31,053	32,879	18	31,320	99.1	105.0	347,789	368,243	

6.2.15 (1) Calculation of Train kilometer, etc. Line 1 (Case 1 & 2)

u~Vit  Vit~Qui   Qui~Ped Ped~U.N.J.N.~CenSent~CarlCarr~D.Jdb.Jo~BanBam~Tay Tay~Bru	0.67	_	1 173059	0 230		5 308	220
Bam~Ta	0.62	17327	188071	230		285	224
J.Jo~Ban	0.65	178321	215286	230	85	299	255.845
Carr~D,Jd	0.68	244353	247332	230	116	313	334.346
Sent ~ Car	0.73		262	230	121	336	376.957
J.N.~Cent	1.21	231231	217033	230	110	557	542 399
Ped~U.N.	0.75	232229	220075	230	111	345	339,228
Qui~Ped	0.79	232314	198045	230	111	363	339,984
Vit~Qui	0.83	213014	201167	230	102	382	343,770
G.Pu~Vit	1.06	198460	183220	230	95	488	404.581
.ib. ~G.Pu	0.73	186333	171664	230	89	336	261,338
Bac~ED ED~Lib Lib.~G.PuG.Pi	1.01	137032	116486	230	65	465	256,053
Bac∼ED	0.59	113409	94324	230	54	271	122,562
1	km	→ (R)	$(\sqcap) \rightarrow$	Train/day	(R)	(km)	(F)
Line	Section	Carried	(pes./day)	No.of Train	乗車率 %	Train-km	Passenkm

A.San	San~R.P	$Pa \sim 5th$	3ru~A.San.San~R.PR.Pa~5th.Ath.A.~Mon	Total
0.93	0.66	0.95	1.09	13.95
33553	132699	125495	125495	
37876	134540	119657	99866	
230	230	230	230	
64	63	90	09	
428	304	437	501	6,417
252,429	176,378	232,894	245,643	245,643 4,928,654

	Tav~Bru	0.67	1	134076	i			170,683
	3am~Tay	0.62	138043	147285	210	72	260	176,903
	Jo~Bam	0.65	142080	172017	210	74	273	204,163
	Jarr~D.Jo	0.68	223848	211533	210	117	286	296,059
•	u~Vit  Vit~Qui   Qui~Ped Ped~U.N.U.N.~CenSent~CarlCarr~D.JdJ.Jo~BanBam~Tay  Tav~Bru	0.73	1	224935			307	333,915
	J.N.~Cent	1.21	218061	193852	210	114	508	498,415
	Ped~U.N.	0.75	221492	198471	210	116	315	314,972
	Qui~Ped	0.79	` `			116	332	318,174
	Vit~Qui	0.83	201728	184270	210	105	349	320,378
	G.Pu~Vit	1.06	-	167664	210	86	445	376,862
	Bac~ED ED~Lib Lib.~G.Pu G.P	0.73	178268	159602	210	93	307	246,645
	ED~Lib	1.01	132228	108094	210	69	424	242,725
	Bac~ED	0.59	110259	88470	210	58	248	117,250
Case 2	1	km	( <u>P</u>	(☐) ↓	Train/day	( <u>유</u>	(km)	(km)
	Line	Section	Carried	(pes./day)	No.of Train	乗車率 %	Train-km	Passenkm

Total	13.95					5,859	89,345 4,324,890
Iru~A.San.San~R.PR.Pa~5th.Ath.A.~Mon	1.09	95014	78697	210	20	458	189,345
.Pa~5th.	0.95	95014	98283	210	20	399	183,632
San~R.P	0.66	102364	106386	210	53	277	137,775
Bru∼A.San	0.93	102149	109671	210	53	391	196,993

6.2.15 (2) Calculation of Train kilometer, etc. Line 3 (Case 1 & 2)

Buen ~ Av	200	08.0	112613	00000	172300	212	7	114	700	2	256.481
Supd~B	7	ויאני.	126779	00000	0/4//	215	2	18	R17	2	578.060
30ni~Gus	700	+0.0.	139799	0101	+	215	2	120	381		269,506
haw~Roll	600	0.30	131127	197100	001101	215	2	124	421	+	311,959
rti~Sha S	1.26 0.96 1.93 1.42 2.33 0.80 0.00 0.00 0.00 0.00 0.00 0.00 0	3	167157	169044	200	215	2:		344		268,161
ant~OrdC	233	7,7	156849	160111	2	215		901	1002		738,517
Suba~Sa	1 49		156873	175403	2	215	10,	116	611		471,960
(am. ~Cul	1 9.3		118672	131103		215	- [5	×	830		482,066
Jue. ~ Kark	96.0		115407	116071		212	-	//	413	4 4 4 4 4	222,219
Jort.~Qul	1.26		79163	71935		215	51	7c	542	00000	190,383
Roo. ~ Nor	1.65		71283	67994		215		/#	710	1000	729,807
al. ~ Roo F	1.75	11.010	67347	49033		215	45	2	753	T ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	203,002
Mon. ~ Bal Bal. ~ Roo Roo. ~ Nor Nor	1.80	70701	53101	43368	110	215	36	3	774	7700	173,044
3	кя	(1)	1	<b>∃</b>		I rain/day	(a)		(km)	/1/	(KIII)
Line 3	Section		Carried	(pes./day)		No.of Irain	垂面茲 0%	7 + +	Frain-km	December 1.	rassen, TKM

Aya∼MagqMaga∼Ta	Maga∼Ta	Total
1.20	1.90	21.62
108143	85405	
162331	105001	
215	215	
108	70	
516	817	9,297
324,569	361,771	5,082,768

	Ruen~Av	080	102791	192653	240	114	432	265,900
	Guad~Bu	1 90	119778	197752	240	117	912	603,307
	Boni~Gua	0.84	136736	202395	240	120	403	284,870
	Shaw~Bo	86.0	144996	201899	240	120	470	339,957
	Orti~Sha	08'0	30 128705 134964 136593 163571 163551 187653 144996 136736 119778 102791	176446	240	105	384	291,279
	Sant~Ort	2.33	163551	168379	240	100	1,118	773,397
	Cuba~Sa	1.42	163571	183767	240	109	682	493,220
	Kam. ~Cu	1.93	136593	136996	240	81	976	528,027
	Que.∼Kar	96'0	134964	122358	240	8	461	247,029
	Nort~Qu	1.26	128705	76569	240	76	605	258,645
	Roo.~Nor	1.65	125830	72254	240	75	792	326,839
	Bal.~Roo	1.75	125894	53271	240	75	840	313,539
	Mon. ~ Bal Bal. ~ Roo Roo. ~ Nor	1.80	62777	48738	240	37	864	200,727
Case 2	3	km	1 (⊞	(T) ↓	Train/day	→ (R)	(km)	(km)
	Line 3	Section	Carried	(pes./day)	No.of Train	乗車率 %	Train-km	Passenkm

5,587,883	378,157	282,991
10,378	912	576
	68	82
	240	240
	114793	138778
	84237	97048
21.62	1.90	1.20
Total	Maga∼Ta	Aya~MagaMaga~Ta

6.2.15 (3) Calculation of Train kilometer, etc. Line 1 and Line 3 (Case 3 & 4)

	Case 3			PNR:Grou	ndLine1	&Line3 C	onnect	4pers/ m:	.912pers/	rain			;			
Line 1 & Line 3   Bac~ED   ED~Lib   Lib.~G.Pu/G.Pu~Vit   Vit~Qui   Qui~Ped   Ped~U.N.U.N.~Cenbent~CarlCarr~D.Jdb.Jo~BanBam~Tay Tay~Bru Bru~A.San San~R.P	Line 3	Bac∼ED	ED~Lib	Lib.~G.Pu	G.Pu∼Vit	Vit~Qui	Qui~Ped	Ped~U.N.	J.N.~Cent	sent~Can	Carr~D,Jot	J.Jo~Ban	Bam~Tay	Tay~Bru E	3ru~A.San	San~R.P
Section	Ř	0.59	1.01	0.73	1.06	0.83	0.79	0.75	1.21	0.73	0.68	0.65	0.62	0.67	0.93	0.66
Carried	( <u>2</u> )	115,343	147,436	206,482	226,875	243,804	253,762	258,624	275,221	286,324	285,455	224,521	225,634	216,734	176,932	168,452
(pes./day)	1	106,378	138,932	203,583	205,536	219,020	229,232	251,885	247,296	284,596	281,031	253,668	235,412	222,567	184,394	180,050
Vo.of Train	Train/day	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264
乗車率 %	(E)	48	9	98	94	101	105	107	114	119	119	105	86	92	77	75
Frain-km	(km)	312	533	385	560	438	417	396	639	385	359	343	327	354	491	348
Passenkm	(KE)	130,815	289,232	299,347	458,356	384,144	381,565	382,882	632,246	416,772	385,210	310,823	285,849	294,332	336,033	230,011

	Total	35.75					17,742	406,908 12,960,879	
	Maga ~ Ta	1.90	95,630	118,532	238	55	904	406,908	10.07
	(am. ~Cu Cuba ~Sa Sant ~Ord Orti ~Sha Shaw~BdBoni ~GudGuad ~Bu Buen ~Ay Aya ~Mag Maga ~Ta	1.20	135,666	183,345	238	84	571		Tenior
	Buen∼Ay	06'0	166,208	201,241	238	93			
	Guad~Bu	1.90	183,521	215,271 206,516	238		904		
	Boni∼Gus	0.84	196,731	215,271	238		400		
	Shaw~Bo	96.0	215,867	237,880	238	110	466	444,672	
	Orti~Sha	0.80	254,309	187,399 197,845 237,880	238			361,723	
:	Sant~Ort	2.33	207,307	187,399	238	96	_	S.	
	Cuba~Sa	1.42	187,838 187,652 2	201,722	238	පි	676	552,911	
	Kam.∼Cu	1.93		170,123	238	87		690,865	
	Que.∼Kar	0.96	175,832	154,678	238	8	457	317,290	
	Nort. ~ Qu	1.26	169,705	117,823	238	78	900	362,285	
	Roo.~Nor	1.65	158,839		238	73	785	423,146	
	Bal.~Roo.	1.75	142,191	85,342	238	99	833	398,183	
Line 3	Mon.∼Bal	1.98	98,936	107,504	238	20	942	408,751	
Line 1	h.A.~Mon	1.09	159,849	158,390	264	99	576	346,881	7 266
	R.Pa~5th. Ath. A. ~ Mon Mon. ~ Ball Bal. ~ Roo Roo. ~ Not Nort. ~ Qul Que. ~ Karl	0.95	158,709	166,885	264	69	502	309,314	

	San~R.P.	0.66	-	144,292	ľ	į .		187,
	VIC~UUI   UUI~ Fed   Fed ~ U.N.D.N. ~ Centsent~ Caricarr~ U.J.D.J.J.S~Baribarr~   By   By ~ Bru Bru ~ A.Sart.San~ R.P	0.93	ı	156,358		65	491	291,919
ָרָ בּי	lay~Bru	0.67	i	175,663	l	73	354	234,759
i	bam∼lay	0.62	186,673	181,134	264	78	327	228,040
	J.Jo~Bam	0.65	-	193,929		188	343	247,207
-	iarr∼U.dq	89.0		242,378		115	359	353,027
	sent~Can	0.73		232,665	264	116	385	374,394
	N. ~ Cent	1.21	254,327	219,115 231,822	264	106	639	588,240
-	Fed~U.N.	0.75			264	66	396	343,302
	UUI~red	0.79	243,612	219,016	264	101	417	365,476
1	- 1	0.83	220,535	206,586	264	92	438	354,510
	G,7.□~ V.IC	1.06	168,342 197,562	195,489	264	82	260	416.634
5	של א	0.73	168,342	195,489	264	07	385	265,597
	. CD	1.0.1	115,332 147,325	149,208	264	61	533	299,498
2				100,323	264	48	312	127,236
	rine 3	km	(R)	(☐) ↓	Train/day	_ + (R)	(km)	(km)
0 + 41:	8 - au	Section	Carried	(pes./day)	lo.of Train	義車率 %	rain-km	assenkm

	Total	35.75					17,742	11,932,331	
	Maga~Ta	1.90	84,335	86,752	238	4	904		10.377
	Aya~Mag	1.20	147,511	: 1	238	70	571	358,097	Train-km
	anKam.~Cul Cuba~SalSant~Orti~ShalShaw~BoBoni~GudGuad~BuBuen~AyAya~MaglA	06.0		165,882	238	76	428	289,419	
	Guad∼Bu	1.90	166,381		238	80	904	645	
	Boni∼Gua	0.84	203,266		238		400	327	
	Shaw~Bo	0.98	229,024	_	238			409,179	
	Orti~Sha	0.80	253,435	198	238			361,163	
	Sant~Ort	2.33	230,458	202,316	238		1,109	90.	
	Cuba~Sa	1.42	192,459	178,878		88	979	527,299	
	Kam.∼Cu	1.93	177,578	164,570	238	82	919	660,346	
	Que.~Kar	0.96	177,578	136,839	238	82	457	301,840	ı
	Nort. ~ Qu	1.26	154,110	115,347	238	71	900	339,516	:
	Roo.~Nor	1.65	148,110	113,233	238	89	785	431,216	
	Bal.~Roo.	1.75	84,527 133,472	96,595	238	61	833	402,617	!
Line 3	Mon.~Bal	1.98	1		238	\$	942	338,263	
Line 1 Line 3	h.A.~Mon	1.09	128,085	126,421	264	53	576	277,412	7,366
	R.Pa~5th th.A.~Mon Mon.~Bal Bal.~Roo Roo.~Nor Nort.~Qu Que.~Ka	0.95	132,004	133,281	264	52	502	252,021	-

6.2.16 Calculation of Train kilometer, etc. Line 2 (Case 1~4)

	Total	16.49					4.424	862,626 4,724,048
	# ~ *	2.58	161609	172742	170	92	877.2	862,626
	San~*	1.39	-			100	472.6	522,265
	Kat∼San	2.10	ļ	201423	1	100	714	789,033
	ur~Ara   Ara~J.R   J.R.~Gii   Gii~Bos   Bos~Cub   Cub~Ano   Ano~Kat   Kat~San   San~*	96.0		214793			32	8
	Cub~Ano	1.25		214637	170	118	425	
	Bos∼Cub	1.33	l"	113431	96	118	260.68	(,)
	Gil~Bos	1.07	119337	_	86	118	209.72	7
	J.R.~Gil	0.91	120718	112784	86	120	178.36	212,487
	Ara~J.R	1.07	119432	111542	86	118	209.72	247,142
	Pur∼Ara	1.5	93796	97061	86	93	294	286,286
	Leg∼Pur	1.38	84568	65620	86	84	270.48	207,259
	Rec~Leg Leg~Pur	0.95	57636	60214	86	25	186.2	111,958
Case	2	km	→(E.B)	←(W.B)	Train/day	(E)	(km)	(km)
	Line 2	Section	Carried	(pes./day)	No.of Train	乗車率 %	Train-km	Passenkm

	Total	16.49					4.621	878,255 4,970,872
	# * *	2.58	165922	174487	170	95	877.2	878,255
	San ~ ∗	1.39	178022	203194	170	102	472.6	529,890
	Kat~San	2.10	178022	203194	170	102	714	800,554
	Ano~Kat	0.96	206004	218238	170	118	326.4	407,272
	Cub~Ano	1.25	210657	218057	170	120	425	535,893
	Ara~J.R J.R.~Gil  Gil~Bos  Bos~Cub Cub~Ano Ano~Kat  Kat~San	1,33	126421	120364	110	112	292.6	328,224
	Gil~Bos	1.07	126704	120364	110	112	235.4	264,363
	J.R.~Gil	0.91	132206	122484	110	117	200.2	231,768
	Ara~J.R	1.07	131952	121309	110	116	235.4	270,989
	~Ara	1,5	114370	106836	110	101	330	331,809
	_eg~Pur	1.38	106282	77149	110	94	303.6	253,135
-	Rec~Leg Leg~Pur Pur	0.95	74326	71695	110	99	209	138,720
		km	→(E.B)	←(W.B)	Train/day	(E) ↑	(km)	(km)
	Line 2	Section	Carried	(pes./day)	lo.of Train	<b>乗車率 %</b>	rain-km	assenkm

Total	16.49	5	6	0	0.00	2 4.424	4.73
# { *	2.58	16292	173939	17(	6	877.2	869,10
San∼*	1.39	175589	206901	170	8	472.6	531,661
Kat~San	2.10	175589	206901	170	6	714	803,229
 Ano~Kat	0.96	204982	222905	170	117	326.4	410,772
~Ara Ara~J.R J.R.~Gil Gil~Bos Bos~Cub Cub~Ano Ano Ano Kat Kat~San	1.25		221734	170	120	425	540,265
Bos~Cub	1.33	117650	108537	86	117	260.68	300,829
 Gil~Bos	1,07	117936	108537	86	117	209.72	242,326
J.R.~Gil	0.91	119397	-	86	118	178.36	206,822
Ara~J.R	1.07	118627	106676	86	118	209.72	241,074
	1.5	93780	93105	86	93	294	280,328
Rec~Leg Leg~Pur Pur	1.38	84576	62845	86	84	270.48	203,441
Rec~Leg	0.95	57766	57439	86	57	186.2	109,445
2	km	<b>→</b> (E.B)	←(w.B)	Train/day	↑ (E)	(km)	(km)
Line 2	Section	Carried	(pes./day)	No.of Train	乗車率 %	Train-km	Passenkm

			,		_	_	_	_
	Total	16.49					877.2 4.621	A 006 PET
	# ~ *	2.58		175639	170	95		
	San~*	1.39	"	l		102	4	1
	Kat~San	2.10	179215	208582	170	102		
	Ano~Kat	96.0	ł	226351	170	119	37	
	Cub~Ano	1.25	214348	225167	170	122	425	1
	Bos ~ Cub	1.33	125073	115727	110	==	292.6	320.984
	Pur~Ara Ara~J.R J.R.~Gii Gii~Bos Bos~Cub Cub~Ano Ano Ano Kat Kat~San	1.07	125356	115727	110	Ξ	235.4	257 959
	J.R.~Gil	0.91	130943	117793	110	116	200.2	226.350
	Ara~J.R	1.07	131209		110	116	235.4	265 197
	Pur~Ara	1.5	114391	103346	110	101	330	326 608
	•	1.38	106322	73808	110	94	303.6	248 579
	Rec~Leg Leg~Pu	0.95	74492	68357	110	99	209	135 707
Case 4	2	km	→(E.B)	←(W.B)	Train/day	→ (E)	(km)	( <del>k</del> m)
	Line 2	Section	Carried	(pes./day)	No.of Train	乗車率 %	Train-km	Passenkm

6.2.17 (1) Calculation of Train kilometer, etc. Line 4 (Case  $1\sim2$  ) Case 1

Line 4	4	Old~UST UST~Ant Anti~Wel Wel~Ban	ST~Ant	Anti~Wel	Wel~Ban	Ban~Ara	4ra~Roos	₹005~Tim	Tim~Boh	3oh~Quez	3ue~Agh	eh~Q.Cit	City~Ph	ian ~ Ara Ara ~ RoosRoos ~ Tim Tim ~ Boh Boh ~ Quei Que ~ Aghhgh ~ Q.CitlQ.Citv ~ Phi Phi ~ Stat   Stat ~ Tam Tan ~ Zur	Stat~Tan	Tan~Zur
Section	кп	0.95	0.67	1.06	0.93	0.8	0.76	0.93	0.78	0.66	0.45	1.3	0.65	1.46	1.12	0.91
Carried	→(E.B)	111659	124757	154043	160471	179856	184150	-	191670		247342	265055	256597	247669	218742	215595
(pes./day)	(₩.B)	137423	153599	195922	197553	219786	228444	228515	228515	223790	263405	269598	262542		226482	230248
No.of Train	Train/day	194	194	194	194	194	194	194	ĺ	i	194	194	194	1	194	194
乗車率 %	(E)	20	56	69	72	81	83	98		85	=	119	115		86	16
Train-km	(km)	369	260	411	361	310	295	3	303	256	175	204	252	566	435	
Passenkm	(km)	236,628	186,499	370,963	332,962	319,714	313,571	391,334	327.744	271.984	229.836	695.049	337.440	742	498.651	405 717
								ı						ı		ı

87100 89467 100	1.39 0.84 138696 87100 149562 89467
87100 89467 100	
100	
1001	
16	121 76
168	278 168
148,316	

	Case 2															
Line 4	9.4	TSU~PIO	UST~Ant	Old~UST UST~Ant Anti~Wel Wel~Ban B	Wel∼Ban	Ban~Ara	4ra~RoosF	3005 ~ Tir	Tim~Boh	ian ~ Ara Ara Ara Roos Roos ~ Tir Tim ~ Boh Boh ~ Que J Que Aghan ~ Q Cirl City ~ Phi Phi ~ Stat Stat ~ Tan ~ Zur	Jue ~ Aph	7-0 Cit	City~Ph	Phi~ Stat	Stat~ Tan	Tan~7.1
Section	km	0.95	0.67	1.06	0.93	0.8	0.76	0.93	0.78	0.66	0.45	1.3	0.65	1 46	1 12	0.01
Carried	→(E.B)	132831	144480	149900	156278	174923	179222	187342	Ĺ	183523	242559	260794	252851	244234		212105
(pes./day)	(₩.B)	167987	181098	193203	188253	210499	219173	219681		215014	254698	261021	254418	252610	-	
No.of Train	Train/day	192	192	192	192	192	192	102	102	100	100	100	207			77
新田坂 DA	(1)	C	00	2	ř	r	13	70	135	70	135	761	72	761	1351	781
* * * * * * * * * * * * * * * * * * *		OG .	00	89	7	ĥ/	8	82	82	83	110	119	115	Ξ	86	96
Train-km	(km)	365		407	357	307	292	357	300	253	173	499	250	561	430	349
Passenkm	(km)	285,777	218,137	363,689	320,414	308,338	302,780	378,531	317,007	263,034	223.766	678.360	329 725	725 392	486 336	395 759
													100	1	1	

Qui Total	1 22.71	12464	36161	100	37	416 7,366	540 7,390,819
Bri∼Qui	80'7	•	36				163,540
Reg~Bri	1.77	78193	63521	100	89	354	250,834
Dona∼Reg	1,28	78193	73356	100	89	256	193,983
B∼Dona	0.84	86714	81927	100	76	168	141,658
ur~DonJon~Bat   Bat A~B B~Dona Dona~Reg Reg~Bri	1.39	136377	142032	100	119	278	386 989
)on∼Bat A	0.83	169837	174911	192	11	319	286,141
Zur~Don	1.09	169147	170880	192	77	419	370,629

6.2.17 (2) Calculation of Train kilometer, etc. Line 4 (Case  $3\sim4$ )

Tan~711	0.91	, ,		1	96		418.225
Stat~Tan	1.19	213263	247919	190	88	426	516,524
Phi~Stat	1.46	1			Ξ	555	765,701
City~Dh	0.65	251190	284015	190	115	247	347,883
Ph~O Citic	1.3	259561	290224	190	119	494	714,721
Jan Ara Ara Ara - Roos Roos - Tim Tim - Boh Boh - Quez Que - Ach Ach - O Cirlo City - Phi Phi - Stat Stat - Tan	0.45	241728	1		Ξ	171	230,480
3oh ~ Que	99'0	189034	202014	190	87	251	258,092
Tim~Boh	0.78	192367	206489	190	88	296	311,108
300s~Tin	0.93	192679	206489	190	88	353	371,226
Ara~Roos	0.76	184558	206023	190	85	289	296,842
Ban~Ara	0.8	180756	197766	190	83	304	302,818
Wel~Ban	0.93	161412	175538	190	74	353	313,364
Anti~Wel	1.06	154818	173921	190	11	403	348,463
UST~Ant	0.67	125415	134468	190	58	255	174,122
Old~UST UST~Ant Anti~Wel Wel~Ban	0.95	112367	118964	190	25	361	219,764
	km	→(E.B)	←(W.B)	Train/day	(E)	(km)	(km)
Line 4	Section	Carried	(pes./day)	No.of Train	乗車率 %	Train-km	Passenkm

Reg~Bri Bri~Qui Total	1.7.7 2.08 77.1	73160 37274	73693 42503	100 100	64 33	354 416 7,305	259,930 165,936 7,501,354
Jona~Reg	1.28	73160	91784	100	64	256	211,128
B~Dona	0.84	81729	100798	100	71	168	153,323
Bat A∼B	1.39	133413	167808	100	116	278	418,697
Zur~Donbon~Bat ∤Bat A~B   B~Dona bona~Re	0.83	167407	201392	190	11	315	306,103
Zur~Don	1.09	166727	197406	190	77	414	396,905

	Case 4	į								:				e.		
Line 4	4	Old~UST	UST~Ant	Old~UST UST~Ant Anti~Wel Wel~Bar		Ban~Ara	Ara~RoosF	Noos ~ Tim	Tim~Boh	oh~Que	Jue ~ Agh	oh~Co Ci+lo	City~Dh	Ban~Ara Ara~RoosRoos~Tin Tim~Boh Boh Ouer Que Arhah ~ O Citlo Citu~ Dhi Dhi~Storl Stort ~ Tin Tim~	T ~ +0+	Ton 2. 7
Section	km	0.95	0.67	1.06	$\overline{}$	0.8	0.76	0.93	0.78	0.66	0.45	13	0.65	1 48	1 10	1911-201
Carried	→(E.B)	133645	145157	150455	156999	175731	179542	187662	187342	184146	236760	255236	247381	238744	200000	208427
(pes./day)	←(W.B)	146544	159171	170849	165927	188173	196448	196914	196914	192499	260889	281729	275038	277012	240200	707070
No.of Train	Train/day	186	186	186	186	186	186	186	186	186	186	198	801	100	100	247133
乗車率 %	(E)	63	89	11	74	82	84	8	88	88	11	120	116	140	180	180
Train-km	(кш)	353	249	394	346	298	283	346	290	246	167	787	242	211	24.4	, C
Passenkm	(km)	266,180	203,900	340,582	300.321	291.123	285.752	357 656	299 720	248 586	223 042	608 OAK	340 157	_	417	200 001
									0	200,000	210,022	0.000	040,1071		717,400	408.201

Zur~Don	Jon∼Bat /	Bat A∼B	B∼Dona	Iur~Don Don~Bat / Bat A~B B~Dona Dona~Reg	Reg~Bri	Bri∼Qui	Total
1.09	0.83	1.39	0.84	1.28	1.77	2.08	22.71
163413	164089	131026	81262	72744	72744	36855	
189853	193849	160281	93319		73438	42277	
186	186	98	88	86	98	98	
77	77	117	72	92	65	33	
405	309	272	165	251	347	408	7,153
385,060	297,089	404,917	146,648	201,041	258,742	164,595	7,375,384

6.2.18 Calculation of Train kilometer, etc. Line 6 (Case 1∼4)

	Total	<u> </u>					2,829	2,66
	ede~Bac	0.80	86470	75192	121	78	194	129,330
	AIA~Rede	1.62	102602	106044	121	93	392	338,007
	Asia~MIA	0.78	117073	111042	121	106	189	177,702
	~Zap tap~L.PintPina~Marlanu~D.SaSant~N.At.Aqui~AstAsia~MIAMIA~Red&ede~Bacl	1.62	132938	121393	121	120	393	412,779
	sant~N.A.	1.38	112500	116967	121	102	334	316,894
	inu~D.Sa	0.97	127086	134232	121	115	236	254,524
	²ina ~ Mark	1.35	122768	122625	121	111	327	331,526
	ap~L.Pin	1.45	119685	103835	121	108	351	324,328
		1.04	125311	95728	121	114	252	230,323
	Niog~Tal Ta	0.67	125242	95385	121	113	162	147,599
Case	9	km	†(N.B)	←(S.B)	Train/day	( <u>S</u>	(km)	(km)
	Line 6	Section	Carried	_	No.of Train	乗車率 %	Train-km	Passenkm

	Total	11.69					2,829	128,048 2,657,197
	Zap lap~L.Pin Pina~Maranu~D.SaSant~N.Al.Aqui~As Asia~MIAMIA~Red&ede~Bac	0.80	85,942	74,118	121	78	194	128,048
	MIA~Rede	1.62	lΞ	105,858	121	93	392	337,010
	Asia~MIA	0.78	116,722	110,856	121	106	189	177
	.Aqui∼As	1.62	132,530	121,209	121	120	393	411,818
	ant~N.A	1.38	112,080	116,784	121	102	334	316,061
	inu~D.Sa	76'0	126,942	134,055	121	115	236	254,211
	Pina∼Mar	1,35	122,623	122,408	121	111	327	331,037
	ap~L.Pin	1.45	119,555	103,416	121	108	351	323,531
		1.04	125,450	95,753	121	114	252	230,494
	Niog~Tal   Tal~	0.67	125,379	95,403	121	114	162	147,703
Case 2	9	km	(N.B)	←(S.B)	Train/day	(N)	(km)	(km)
	Line (	Section	Carried	(pes./day)	No.of Train	乗車率 %	Train-km	Passenkm

Total			le-		-	4 2,829	29,283 2,671,069
Rede~Bac	0.80	85,576	76,028	121	7.6	194	129,283
MIA~Rede	1.62	103,236	106,662	121	94	392	340,035
Asia~MIA	0.78	117,048	111,660	121	106	189	178,164
.Aqui∼As	1.62	132,886	121,917	121	120	393	413,545
Sant~N.A	1.38	112,452	117,410	121	102	334	317,439
inu~D.Sa	0.97	127,142	134,591	121	115	236	254,928
Pina~Mark	1.35	122,832	123,003	121	111	327	332,123
Zap tap∼L.Pin Pina∼Marjanu∼D.SaSant∼N.AI.Aqui∼As Asia∼MIAMIA∼Red&ede∼Bac	1.45	120,447	104,049	121	109	351	325,744
Tal~Zap	1.04	125,708	96	121	114	252	231,451
Niog∼Tal Tal~	0.67	125,641	96,118	121	114	162	148,357
9	km	↑(N.B)	←(S.B)	Train/day	<b>②</b>	(km)	(km)
Line 6	Section	Carried [	(pes./day)	No.of Train	乗車率 %	Trainkm	Passenkm

	acl Total		38	76	121	77	194 2.829	996
	&ede~B	0.80	<u> </u>	ļ .				
	MIA~Red	1.62	102.767			93	392	338
	Asia~MIA	0.78	116,829	111,420	121	106	189	177.806
	al~Zap tap~L.PintPina~Marjanu~D.SaBant~N.Al.Aqui~AstAsia~MIAMIA~Red&ede~Baci	1.62	132,443		1	120	393	412.552
	Sant~N.A.	1,38	-	117,238	121	102	334	316.640
	anu∼D.Sa	0.97	127,142	134,426	121	115	236	254,767
	Pina∼Mar	1.35	122,830	122,801	121	111	327	331,847
:	ap∼L.Pin	1,45	120,442	103,948	121	109	351	325,590
	Tal~Zap	1.04	125,675	96,477	121	114	252	231,482
	Niog~Tal	79.0	125,608	96,188	121	114	162	148,382
Case 4	9	km	→(N.B)	←(S.B)	Train/day	(Z) ↑	(km)	(km)
	Line	Section	Carried	(pes./day)	No.of Train	乗車率 %	Train-km	Passenkm

# 6.2.19 (1) Calculation of Train kilometer, etc. North Rail & MCX (Case 1~2)

il/MCX km 3.10 A(km) Agy~3 A 3~4 A ~Caloo Caloo~6 B 6~7 A 7~8 B 8~9 Blum Blum~La ao Espa spa ~S.Me. Mes ~ParPand ~Paq Page A 50 A 50 A 50 A 50 A 50 A 50 A 50 A 50	rain -km,	Case I	Nort	North Rail/MCX	š	<u> </u>	PNR:GroundNot connect	ndNot	connect	ديد		10cars*1740parsons/train	Oparsons/	hain		
km         3.10         3.50         4.50         1.30         3.60         0.50         1.70         1.70         1.10         0.52         1.49         1.42         4.70         4.70         1.10         0.52         1.30         1.49         1.42         4.70         4.70         1.70	Nrth Rai	il/MCX	Mari~Mey		3~4	4~Caloo	Caloo~6	6~7	7~8	8~9 Blum	Blim	an~Fenal	M > ~ eu	Mec~Dark	Sand ~ Dag	Dogari
→(S.B)         111.511         147.088         167,113         180,445         193,593         206,438         208,416         207,609         213,444         216,514         255,600         260,264         267,755         260,81         267,755 <th< td=""><td>Section</td><td>km</td><td>3.10</td><td></td><td>4.50</td><td>1.30</td><td>3.60</td><td>0.50</td><td>0.50</td><td>1.70</td><td>1.10</td><td>0.57</td><td>1 96</td><td>1 40</td><td>1 49</td><td>187</td></th<>	Section	km	3.10		4.50	1.30	3.60	0.50	0.50	1.70	1.10	0.57	1 96	1 40	1 49	187
←(N.B)         85864         120555         126005         139127         133770         144146         143345         169267         198416         198585         237533         244869         260981           Train/day         90         90         90         150         150         150         150         150         150         150         150         150         150         150         160 <td>Carried</td> <td>→(S.B)</td> <td>111,511</td> <td>147,088</td> <td>167,113</td> <td>180,445</td> <td>193,593</td> <td>206.438</td> <td>208.416</td> <td></td> <td>213 444</td> <td>216514</td> <td>255 600</td> <td>A80 086</td> <td>25.5</td> <td>950 457</td>	Carried	→(S.B)	111,511	147,088	167,113	180,445	193,593	206.438	208.416		213 444	216514	255 600	A80 086	25.5	950 457
Train/day         90         90         90         90         90         150         160 <td></td> <td>←(N.B)</td> <td>85864</td> <td>120555</td> <td>126005</td> <td>139127</td> <td>133770</td> <td>144146</td> <td>143345</td> <td></td> <td>198416</td> <td>198585</td> <td>237533</td> <td>244860</td> <td>260001</td> <td>056770</td>		←(N.B)	85864	120555	126005	139127	133770	144146	143345		198416	198585	237533	244860	260001	056770
—(S.B)         71         94         107         115         74         79         80         80         80         82         83         98         100         101           (km)         558         630         810         234         1,080         150         150         510         330         156         588         447         426           (km)         611,863         936,751         1,319,031         415,444         1,178,507         175,292         175,881         640,689         453,046         215,851         966,541         752,648         743,705         878,878	lo.of Train	Train/day	06	90	90	06	150	150	150	150	250	02000	1000	600447	106007	2//007
(km) 558 630 810 234 1,080 150 150 510 330 156 588 447 426 (km) 611,863 936,751 1,319,031 415,444 1,178,507 175,292 175,881 640,689 453,046 215,851 966,541 752,648 743,705 Train-km 2,232	乗車率 %	→(S.B)	71	94	107	115	74	79	8 8	S G	001	000	200	000	101	2
936,751 1,319,031 415,444 1,178,507 175,292 175,881 640,689 453,046 215,851 966,541 752,648 743,705 Train-km 2,232	rain –km,	(km)	558	630	810	234	1 080	150	1.50	01.6	330	0 4	000	2001	5 5	37 6
2,232	assen-km	(km)	611,863	936,751	1,319,031	415,444	1.178	175.292	175 881	640 689	453 046	915 B51	066 541	759 640	742 420	00.00
					Train-km	2,232	1		1000	2222	DLO'SOL	10011	117000	040'70'	143,703	00'87

Total	1.					16 ORR	26.4
un~San Ban P~BirlBin~S.Rol S.Ro~Cah	3.61					758	553.381
Bin~S.Ro	4 04		137270		45	848	886.158
San P~Bir	4.20		163441		61	887	1.156
/un~San	3.56		246978		107	748	1,572,139
Ala~Mun	3.31	İ	280191		105	993	1,835,941
Sucat ~ Ala	3.68	269,275	330528	150	103	1,104	2,20
3ic~Sucat	4.01	309,629	339833	150	119	1,203	2,604,343
DS~FTI FTI~Bic Bic~SucaSucat~Ala Ala~MunM	3.60				117	1,080	2,342,164
	3.05	304,894	336713	150	117	915	1,956,901
t~BuenBuen~Pid Pio~EDS E	1.11	290,937	300892	150	111	333	656,930
3uen∼Pio	1.12	286,249	298639	150	110	336	655,075
Vit∼Buenk	1.06	250,683	259448	150	96	318	540,739

		/it~Buen	90	90:	300.307	011000	207110	7	20	100	2	330	100 010	048,284
		111∼Pacol Paco∼13l 13∼Vito IVit∼Buen	5	1		210544	440010	100	100	113	2	357	770 700	170'760
, cicri	L and	Paca~13	20 L 1 1 2	1.1.	485,012	210001	77010	180	0	113	2	374	741 210	010,
Ocare*1740nareone/train	6 100 100	11~Paco	1 27	18.	208,805	201256	2000	180	2	111		438	200 206	020,220
10care*174		Jose ~ 11	701 - 107	77.00	013,603	281819	7.0.0	160	3	113		406	758 974	110001
		∀ ~ D.JoseD.Jose ~ 11	1.197	2000	200,000	250501	3	160	3	107		020	1 078 094	1000000
: +::	•	್ ೪~೪	0.7	306 755	500,100	250501		160	2	107	70	40	109 451	
NR:UndergroundNot connect	70T	/~glayu  8~9 ∘	0.50	79	22012	219157		190		107	400	100	257.878	
√buno	52.7	Į	0,50	202 552	200	219958		160		102	787	00.1	256.756	
λ:Underg	800000	0000000	3.60	268 979		205330		160		6	1 1 4 5	301,	1,707,487	
PNF	4~Calan	Caloo	1.30	237 465		195446		120	3	114	319	4	562,784	926
š	3~4	1	4.50	216 596		171971		120		104	1 080	3	1,748,552	Train-km
North Rail/MCX	Mey~3	2	3.50	193,930	1	151209	3	120	5	33	840	,	809,711 1,207,987	
Nort	Mari~ Mey ~3	1	3.10	156.770	101101	104427	7	170	ă	27	744		809,711	
Case 2	/MCX		Æ	(S.B)	10:3	(N.B)	T / 40.	raill/ uay	(a c)	n n			(km)	
Train -km, Case 2	Nrth Rail/MCX		Section	Carried			No of Train	140.01	無有限 0%	1 + H	Train –km.	[	Passenkm	

	Total		00.43								15076	0/6/0	28 892 559
	20 EDS TILL FILE BIG DIO Sucabucat Ala Ala Mun Mun San Ban P BidBin S. Ros Ro Cah	1 61	10.5	00,700	98910	3	90	3	C L	30	425	2004	576 192
	Bin~S.Ro	707	'		146664		US		Ç	3	287		928 727
	San P∼Bir	4 20			172855	ļ	9		708	i	504	5	1,601,915   1,199,054
	/un>San	3.56	ł	1	255029	l	09.		70		130	1	
	Ala ~ Mun	331		ŀ	295529		160		103		1.059		1,925,679
	Sucat~Ala	3.68	283 172		349614		291	1	107		1.78		2,801,735 2,328,652
	olo~Sucat	4.01	331.619		367068	50.7	2	477	5		1.283		2,801,735
	r i.~Blc	3.60	329.138	l	3/638/		3	7,0	- 2	7	ZC1'1	000000	068,850,2
	11200	3.05	330,787	ı	3088/	201	noi	7		(10		100000	1,03,337
Disactor	200	1.11	320,015	7 17 700 6	333434	180	001	-	2	220	200	100	100,027
The Did Diame	יחבון יוינו	1.12	314,136	000000	23777	180	3	113	2	250	0000	000 000	120,021

6.2.19 (2) Calculation of Train kilometer, etc. North Rail & MCX (Case 3~4)

	2ac~Vit	1.67	248346	260846	150	95	501	850,351	
	7~8 8~9 Blum Blum~LalLao~Espaspa~S.Ma.Mes~ParPand~Pad Pac~Vit	1.42	251665	254975	150	96	426	719,429	
train	Mes~Parb	1.49	249194	238816	150	95	447	727,135	
10cars*1740parsons/train	spa~S.Me.	1.96	248811	230359	150	95	588	939,173	
10cars*174	Lao~Espa	0.52	211338			81	156	209,551	
	Blum~La	1.10		191477		80	330	440,229	
ect	8~9 Blum	1.70	202192	164440	150	77	510	623,274	
3 Conn	7~8	0.50	202997	139291	150	78	150	171,144	
e1&Line	2~9	0.50	201021	140092	150	11	150	170,557	
undlin	aloo   Caloo~6 6~7 7~8 8~9	3.60	188053	130416	150	72	1,080	1,146,488	
PNR:Gro	4~Caloo	1.30	179254	135789	06	114	234	409,556	2,232
	3~4 4~Ca	4.50	167628	122894	06	107	810	927,644 1,307,349	Train-km
North Rail/MCX	Mey∼3	3.50	147185	117856	06	94	630	927,644	
Nort	Mari∼Mey Mey~3	3.10	111392	86626	06	17	558	613,856	
Case 3		km	→(S.B)	←(N.B)	Train/day	→(S.B)	(km)	(km)	
Train -km, Case 3	Nrth Rail/MCX	Section	Carried		No.of Train	乗車率 %	Train -km,	Passen-km	

ib Total			59	105	33	758 16,088	553,550 26,234,646	5.6
S.Ro~Ca	3.60 4.01 3.68 3.31 3.56 4.20 4.04 3.61	60309				1		17956
Bin~S.Ro	4.04	81687	_		45	848	885,996	
Ban P∼Bi	4.20	111580	_	105	61	982	1,156,579	
Mun∼San	3.56	195432		105	107	748	1,574,442	
Ala~Mun	3.31	274622	279839	150	105	993	1,835,266	
Sucat∼Ala	3.68	270597	331723	150	104	1,104	2,216,538	
3ic∼Suca	4.01	312609	340913	150	120	1,203	2,620,623	
FTI~Bic	3.60	308007	346647	150	118	1,080	2,356,754	
EDS~FT	3.05	308032	337793	150	118	915	1,969,766	
Pio~EDS	1.11	283932	296294	150	109	333	644,051	
~BuenBuen~Pio Pio~EDS	1.12	279190	294044	150	107	336	642,022	
it~Buent	1.06	240191	253510	150	92	318	523,323	

~Bue	1.06	94531	03438	160	106	339	633.847	
Vito Vit	0				Ξ	352		
3 13~\	-					4		
Paco~1	1.17				=	37.6	724.606	
11~Paco	1.37	302729	282927	160	109	438	802,349	
Jose ~11	1.27	309160			111	406	737,935	
~D.Jose	1.97	292125	248526	160	105	630	1,065,082	
მ 6 8 ::	0.5	293934	242584	160	106	64	107,304	
7∼8Tayu	0.50		212231	160	106	160	252,978	
. 2~9	0.50	290751	213032	160	104	160	251,892	
Caloo∼6	3.60	269033	198752	160	97	1,152	1,684,026	
4~Caloo	1.30	240988	191369	120	115	312	562,064	2,976
3~4	4.50	219320	169197	120	105	1,080	1,748,327	Train-km
Mey~3	3.50	195105	149791	120	93	840	1,207,136	
Mari∼Mey	3.10	156221	104743	120	75	744	808,988	
/MCX	km	→(S.B)	←(N.B)	Train/day	→(S.B)	(km)	(km)	
Nrth Rail	Section	Carried		No.of Train	華車海 %	Train ∸km,	Passen-km	
	6~7	km 3.10 3.50 4.50 1.30 3.60 0.50 0.50 0.50 0.50 1.97 1.97 1.17 1.10 1.10 1.10	\text{ail/MCX}         \text{Mari~Mey}         \text{Mey~3}         3~4         4~Caloo         Caloo~6         6~7           km         3.10         3.50         4.50         1.30         3.60         0.50           —(S.B)         156221         195105         219320         240988         269033         290751	MCX         Mari~Mey         Mey~3         3~4         4~Caloo         Caloo~6         6~7           km         3.10         3.50         4.50         1.30         3.60         0.50           →(S.B)         156221         195105         219320         240988         269033         290751           →(N.B)         104743         149791         169197         191369         198752         213032	MCX         Mari~Mey         Mey~3         3~4         4~Caloo         Caloo~6         6~7           km         3.10         3.50         4.50         1.30         3.60         0.50           →(S.B)         156221         195105         219320         240988         269033         290751           →(N.B)         104743         149791         169197         191369         198752         213032           Train/day         120         120         120         160         160         160	/MCX         Mari~Mey         Mey~3         3~4         4~Caloo         Caloo~6         6~7           km         3.10         3.50         4.50         1.30         3.60         0.50           →(S.B)         156221         195105         219320         240988         269033         290751           →(N.B)         104743         149791         169197         191369         198752         213032           Train/day         120         120         120         160         160         160           →(S.B)         75         93         105         115         97         104	MCX         Mari~Mey         Mey~3         3~4         4~Caloo         Caloo~6         6~7           km         3.10         3.50         4.50         1.30         3.60         0.50           →(N.B)         156221         195105         219320         240988         269033         290751           ←(N.B)         104743         149791         169197         191369         198752         213032           Train/day         120         120         120         160         160         160           →(S.B)         75         93         105         115         97         104           (km)         744         840         1,080         312         1,152         160	MCX         Mari~Mey         Mey~3         3~4         4~Caloo         Caloo~6         6~7           km         3.10         3.50         4.50         1.30         3.60         0.50           →(N.B)         156221         195105         219320         240988         269033         290751           Train/day         120         120         120         16197         191369         198752         213032           Train/day         120         120         120         160         160         160         160           (km)         744         840         1,080         312         1,152         160           (km)         808,988         1,207,136         1,748,327         562,064         1,684,026         251,892

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southbound beyond EDSA **335555553** Q. 5555555555 \$. \$\frac{4}{5} \* O'6 CE THE North Rail/MCX: Sectional Traffic Volume(2015) ₹ % 43 6 6.2.20(1) Analysis of North Rail & MCX Line's Transport Volume (Case 4) Q2. 61.44 of Qs 124 91.76 e, Southbound -Bl. Co Inner Area of EDSA inner a. 4.11 <u>(</u> 1/20pio southbound up to Caloocan to inner area Parks up 1 <u></u> Case 4 uning the state of the state of eritai ( 350,000 (pers./day) 300,000 100,000 50,000 250,000 150,000

Ap.6-71

(1) northbound up to EDSA Ser of 杏 #2.0% et m North Rail/MCX : Sectional Traffic Volume(2015) 李教 冬汤 ¢.√\$ 6.2.20 (2) Analysis of North Rail & MCX Line's Transport Volume (Case 4) 6. Ly up to i 9. Qj (C) 4 91.76 - Northbound S. H inner area Inner Area of EDSA 4 e, & \_ (⊘ (XX) eyond Caloocan

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In the state of the state Br. Tay BE DOTATION TO CAloocan **}** Case 4 400,000 (pers./day) 20 90 90 50,000 350,000 250,000 300,000 100,000 150,000

Ap.6-72