

APPENDICES

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Appendix 13.2

Jeepney Traffic Count Survey Sheet
(Form 1)

STA. NAME: _____ STA. NO: SHEET NO.

DATE OF SURVEY: WEATHER: _____

SURVEYOR: 1st. shift _____ CHECKED BY: 1st. shift _____
2nd. shift _____ 2nd. shift _____

	TIME	ROUTE DESCRIPTION					
		O. _____	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	TOTAL	D. _____	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	TOTAL
		VIA _____	DIR. _____		VIA _____	DIR. _____	
F I R S T S H I F T	6:00 - 7:00 am						
	7:00 - 8:00 am						
	8:00 - 9:00 am						
	9:00 - 10:00 am						
	10:00 - 11:00 am						
	11:00 - 12:00 am - pm						
	12:00 - 1:00 pm						
	1:00 - 2:00 pm						
	SUB-TOTAL						
S E C O N D S H I F T	2:00 - 3:00 pm						
	3:00 - 4:00 pm						
	4:00 - 5:00 pm						
	5:00 - 6:00 pm						
	6:00 - 7:00 pm						
	7:00 - 8:00 pm						
	8:00 - 9:00 pm						
	9:00 - 10:00 pm						
	SUB-TOTAL						
	TOTAL						

Appendix 13.3
Jeepney Traffic Count Survey Sheet
(Form 2)

STA. NAME: _____

DATE OF SURVEY: _____

SURVEYOR: 1st. shift
2nd. shift

SHEET NO. [][][][][]

STA. NO. [][][][][]

WEATHER: _____

CHECKED BY: 1st. shift
2nd. shift

	TIME	ROUTE DESCRIPTION			TOTAL
		ORIGIN _____	[][][][]	DESTINATION _____	
		VIA _____ DIRECTION _____			
FIRST	6:00 - 7:00 am				
	7:00 - 8:00 am				
	8:00 - 9:00 am				
	9:00 - 10:00 am				
	10:00 - 11:00 am				
	11:00 - 12:00 am pm				
	12:00 - 1:00 pm				
	1:00 - 2:00 pm				
	SUB-TOTAL				
SECOND	2:00 - 3:00 pm				
	3:00 - 4:00 pm				
	4:00 - 5:00 pm				
	5:00 - 6:00 pm				
	6:00 - 7:00 pm				
	7:00 - 8:00 pm				
	8:00 - 9:00 pm				
	9:00 - 10:00 pm				
	SUB-TOTAL				
TOTAL					

Appendix 13.5
Schedule of Jeepney Frequency Count Survey

Date	Survey Station Name	No. of Personnel Assigned	
		Supervisors	Surveyors
December 13 (Mon.)	1) MIA Road/Quirino Avenue	3	14
	2) Sucat Interchange	2	12
	3) Alabang Interchange	2	12
	4) Zapote	2	12
	5) Magallanes/EDSA	2	12
December 14 (Tue.)	6) Makati Area	4	20
	7) Guadalupe	2	13
	8) EDSA/Shaw (Crossing)	3	15
	9) Magallanes	2	8
December 15 (Wed.)	10) Libertad	3	15
	11) Kalaw/City Hall	1	6
	12) Burgos in front of Mehan Garden	4	20
	13) Libertad between Taft Avenue & Tramo	3	15
December 16 (Thu.)	14) Blumentritt/Rizal Avenue	4	22
	15) Rizal Avenue/C. M. Recto	3	15
	16) Dagupan St/C. M. Recto/J. Luna	2	10
	17) Divisoria	2	10
December 17 (Fri.)	18) A. Bonifacio/11th Avenue	4	20
	19) North Diversion (Quirino Avenue)	2	10
	20) Balintawak	2	11
	21) Novaliches	3	15
December 20 (Mon.)	22) Gen. Luna/Naval/North Bay Blvd.	2	20
	23) Monumento/Sangandaan	4	38
	24) Rizal Avenue/8, 9, 10th Avenue	4	38
December 21 (Tue.)	25) San Juan (Mun. Hall)	2	20
	26) Pedro Gil/Dart.	2	20
	27) Mandaluyong/Kalentong	4	34
	28) Vito Cruz/Harrison	2	20
January 3 (Mon.) & 5 (Wed.)	29) Kamuning/Kamias	2	18
	30) Quirino District		
	31) EDSA/E. Rodriguez	2	18
	32) EDSA/Aurora Blvd.	4	35
	33) Automatic Centre/Aurora Blvd.	2	17
January 6 (Thu.)	34) Quezon Blvd/cor. Banawe	2	16
	35) Quezon Blvd/Araneta/Roxas District	2	14
	36) UP/Marikina	2	13
	37) Del Monte/Roosevelt	2	14
	38) Quezon Blvd/cor. EDSA/Tandang Sora	2	20
January 7 (Fri.)	39) Lealtad/G. Tuazon/Lardizabal/Bustillos	2	18
	40) Stop & Shop	2	20
	41) C. M. Recto in front of San Sebastian College	2	18
	42) R. Magsaysay Blvd/Araneta Avenue	4	31
January 10 (Mon.)	43) Baclaran	4	43
	44) Pasig Area	2	20
	45) P. Sanchez/Aljiwiw Br.	2	20
	46) Shaw Blvd. after EDSA	2	20
January 11 (Tue.)	47) Dapital/Recto	2	20
	48) Quiapo	6	59
	49) Quezon Blvd/Raon	2	20
January 17 (Mon.)	50) Philcoa/UP	1	6
	51) Shaw Blvd/EDSA	1	14
	52) Kalentong	2	20
	53) Kamuning/Kamias/T. Morato	2	27
	54) Alabang/Zapote	1	17
	55) Balintawak, Blumentritt/Novaliches	1	14
	56) Makati/Guadalupe	1	12
	57) Tayuman	1	4
	Sub-total	135	1,045
	Dry Run (Dec. 10)	10	100
	TOTAL	145	1,145

Appendix 13.6
Schedule of Bus Frequency Count Survey

Date	Survey Station Name	No. of Personnel Assigned	
		Supervisors	Surveyors
January 12 (Wed.)	1) Divisoria	2	25
	2) Balintawak	4	34
	3) Monumento	4	40
January 13 (Thu.)	4) Ortigas/Meralco Avenue	2	20
	5) Quiapo Bridge	4	40
	6) UP/Cubao	4	38
January 14 (Fri.)	7) Baclaran	6	58
	8) Nichols Toll Plaza	4	40
January 18 (Tue.)	9) Monumento	1	5
	10) Cubao/UP/QMC	1	5
	11) Greenhills	—	2
	12) Shaw Blvd.	1	5
	13) Quiapo/Lawton	1	5
	14) Fairview/Novaliches, Lagro	1	5
	15) Divisoria	2	10
16) Alabang	1	5	
17) Baclaran	2	10	
TOTAL		40	347

Appendix 13.8
 Bus/Mini Bus Vehicular Count Survey Master Sheet

<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>											
ROUTE NAME DIRECTION ITEMS											
ROUTE CODE											
BUS COMPANY											
SERVICE TYPE											
SURVEY-DATE											
SURVEY STATION											
HOURLY TRAFFIC VOLUME	6:00-7:00										
	7:00-8:00										
	8:00-9:00										
	9:00-10:00										
	10:00-11:00										
	11:00-12:00										
	12:00-13:00										
	13:00-14:00										
	14:00-15:00										
	15:00-16:00										
	16:00-17:00										
	17:00-18:00										
	18:00-19:00										
19:00-20:00											
20:00-21:00											
21:00-22:00											
16 HRS. TOTAL											
NC. OF BUS UNITS	EACH DIRECTION										
	BOTH DIRECTION										
REMARKS											

Appendix 13.12
Schedule of Bus Operation
Characteristics Survey

Date	Station Name	No. of Routes	No. of Supervisors	No. of Supervisors
February 1 (Tue.)	Lawton	7	2	21
	Cubao	5	2	15
	Quiapo	12	2	30
		24	6	66
February 2 (Wed.)	Divisoria	7	2	22
	UP	3	1	7
	Sta. Cruz	5	1	12
	Monumento	5	1	16
		19	5	57
February 3 (Thu.)	Baclaran	13	2	26
	Makati	22	2	39
	MIA	5	1	10
	Alabang	9	1	18
		49	6	93
TOTAL			17	216

No.

Appendix 13.15

Jeepney Terminal/Turning Point Survey Sheet

Date		Name of Surveyor:					
Terminal Code		Zone Code		Terminal Name			
No. of Routes and Frequencies							
		No. of Routes		No. of Frequencies			
Terminating							
Passing Through							
Intermodal Through							
Tricycle	City Bus	Prov. Bus	Mini Bus	Intra Jpy	Inter Jpy	PNR	LRT
No. of Queueing Jeepneys				No. of Dispatchers/Traffic Policemen			
Location of Turning Point (Off/On Road)				Land Use:			
Terminal Fee				Payee of Terminal Fee			
Jeepney	Bus	Tricycle					
₱/day	₱/day	₱/day					
Road Condition							
Traffic Condition							
Waiting/Resting Space for Jeepney and Bus							
Traffic Generating Area/Facilities							
Facilities related with Jeepney and Bus Operation							
Conditions of Terminal/Turning Point (Temporary or not)							

Appendix 13.16

Questionnaire Form for Jeepney Drivers

Date:		Name of Interviewer:		Location of Interview:	
Terminal Code:		Terminal Name:		Terminal Type:	
Seq. No.		Item			
A G E					
Driving Experience, (yrs.)					
Jeepney Operator					
Do you drive same route every day or not					
Passenger's Waiting Time	Peak Hour	From			
		To			
		Waiting Time			
	Off Peak Hour	From			
		To			
		Waiting Time			
Do you have any comments about this terminal?					
Do you have any idea how this place became a Terminal?					
Inci- dental Ex- penses	Payee				
	Amount				
	Payee				
	Amount				
	Payee				
	Amount				
	Payee				
Amount					
Driver's Income					

Appendix 13.17

Questionnaire Form for Jeepney Dispatchers

Date:	Name of Interviewer:	Location of Interview:
Terminal Code:	Terminal Name:	Terminal Type:
Seq. No. Item		
A G E		
Experience		
No. of Routes		
Operation Hours	From	
	To	
	Total	
Dispatcher's working Hours	From	
	To	
	Total	
Turning Point Fixed 1. Yes 2. No		
Dispatcher's Duties/ Responsibilities	1	
	2	
	3	
	4	
	5	
Do you have any comments to this Terminal?		
Do you have any idea how this place became a Terminal?		
Amount and Purpose of Fee Collected		
Dispatcher's Income		

Appendix 13.21

Jeepney Driver Interview Survey Sheet

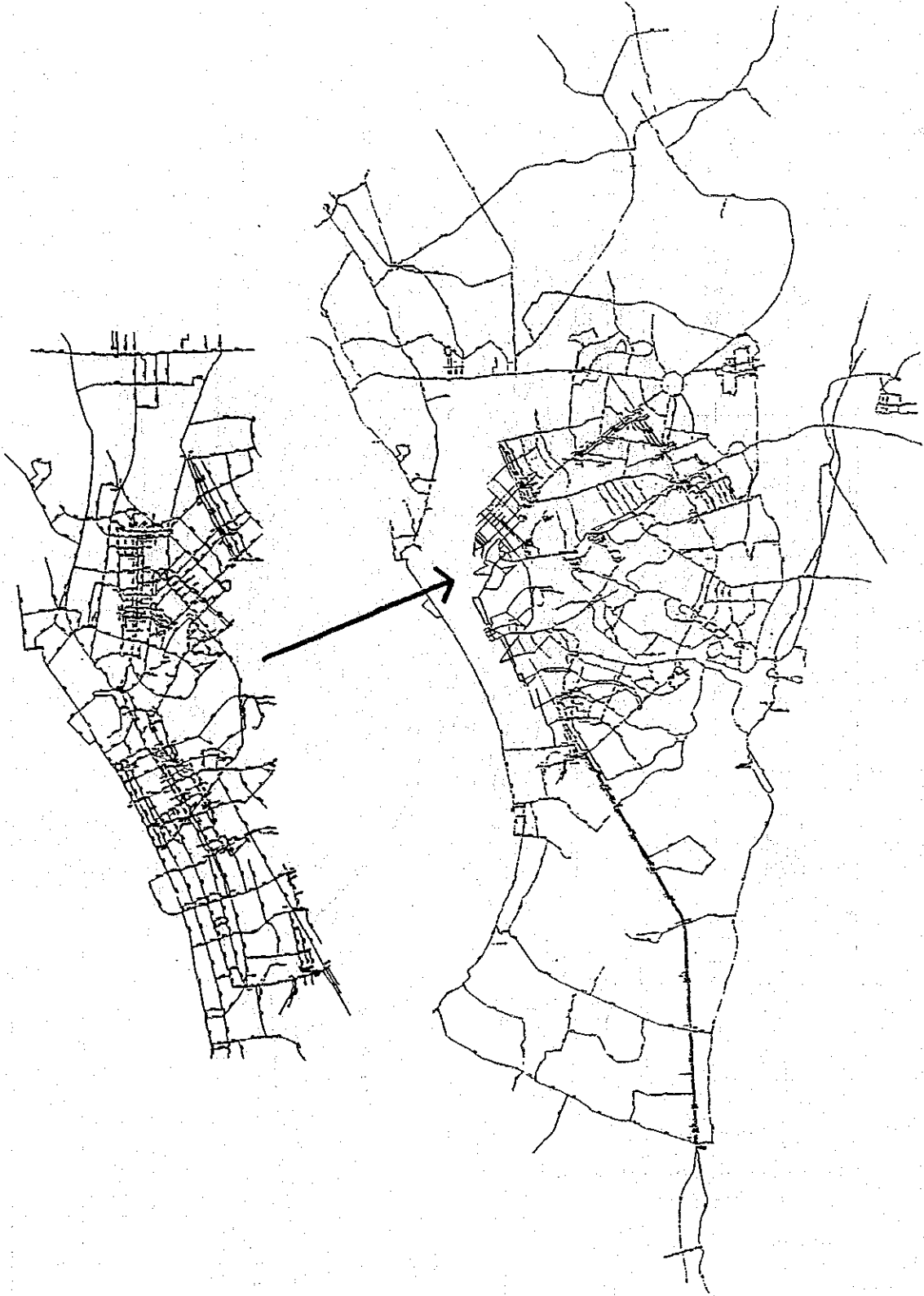
ROUTE NAME	DATE OF INTERVIEW	PLACE OF INTERVIEW	NAME OF INTERVIEWER	NAME OF SUPERVISOR							
ITEM	1	2	3	4	5	6	7	8	9	10	AVE.
NO. OF ROUND TRIPS / DAY											
WORKING HOURS / DAY											
NO. OF WORKING DAYS / WEEK											
NO. OF DRIVERS ASSIGNED TO THIS VEHICLE.											
NO. OF OPERATING DAYS OF THIS VEHICLE FOR THE LAST ONE WEEK.											
AVE. TOTAL FARE REVENUE / DAY											
• WEEKDAYS											
• HOLIDAYS											
AVE. EXPENSES / DAY											
• BOUNDARY											
• FUEL & OIL											
•											
•											
•											
•											
NET INCOME PER DAY											
HOW LONG HAVE YOU BEEN DRIVING JEEPNEY ?											
HOW LONG HAVE YOU BEEN DRIVING THIS ROUTE ?											
AGE :											
PLATE NO. :											
TYPE / SEATING CAPACITY :											

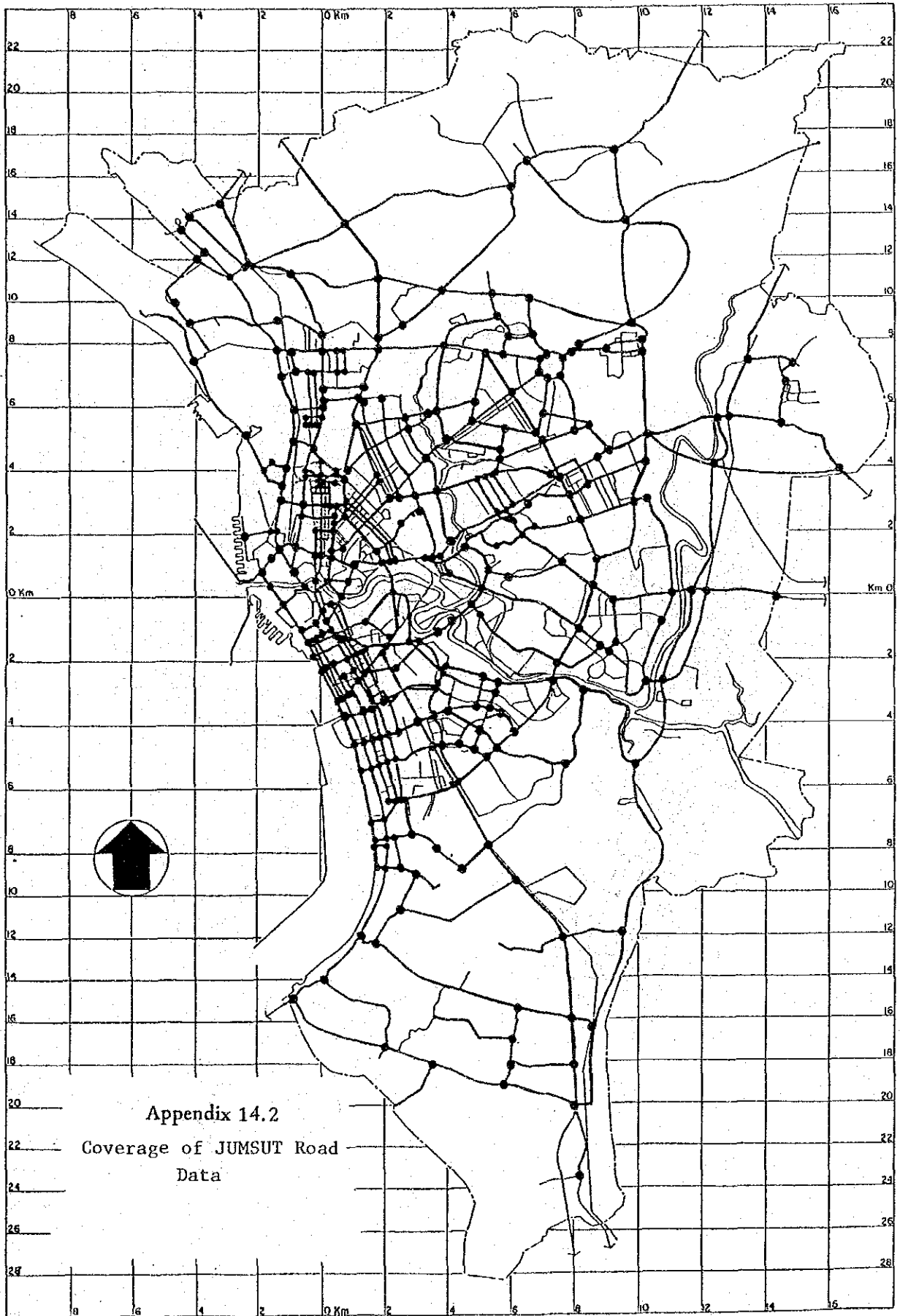
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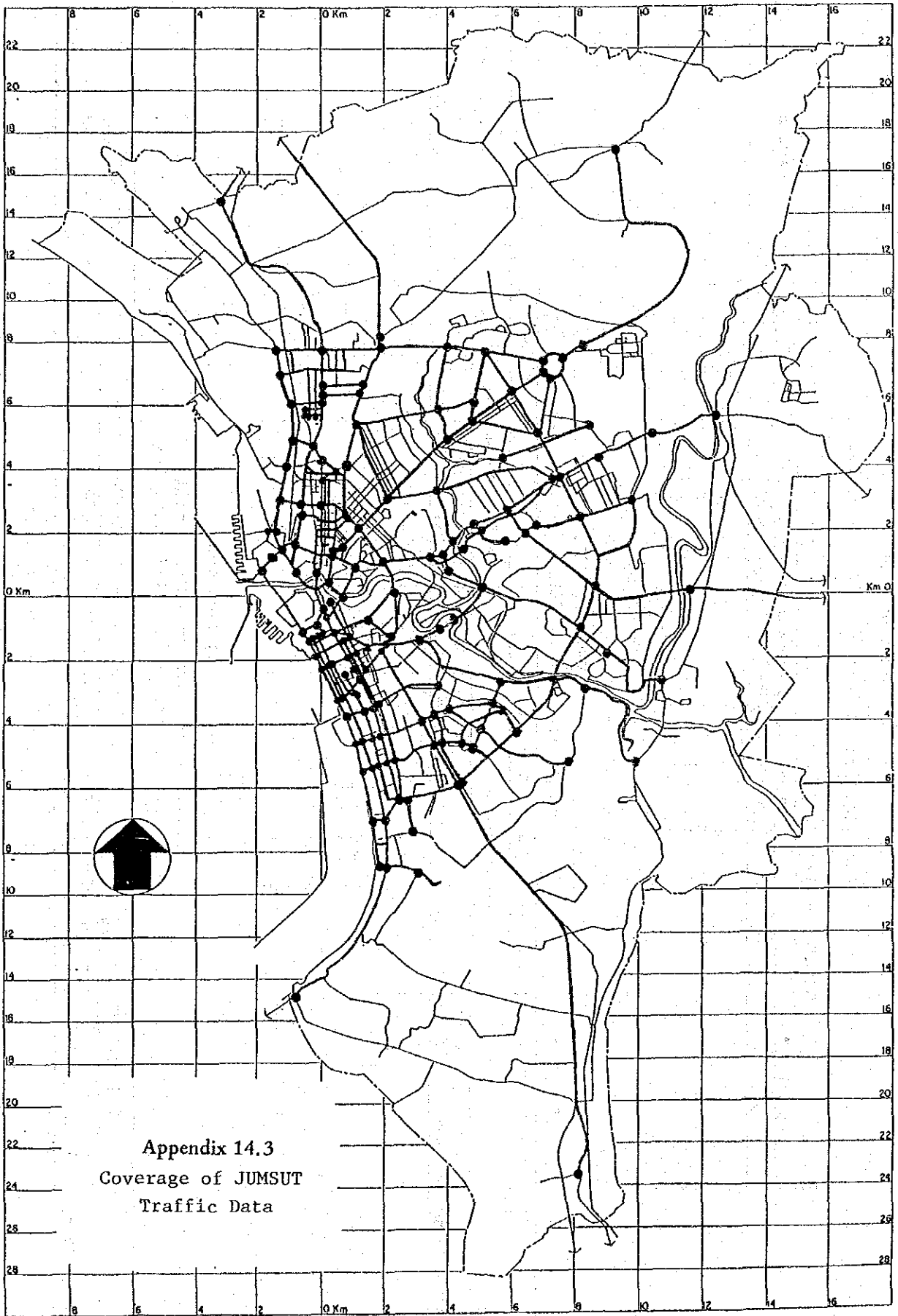
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Appendix 14.1
EDP Road Network (1,687 sections)







Appendix 14.4

Tabulation Form of JUMSUT Road Data

Corridor/Road	ROAD SECTION		ROAD WIDTH : meters				PAVEMENT		Remarks
	Name	Length (Kms.)	Total (No. of Lanes)	Carriageway	Sidewalk	Median Strip	Type	Condition	
				Right	Left				

Appendix 14.5

Tabulation Form of JUMSUT Traffic Data

Corridor/Road	Road Section		Average Daily Traffic (ADT)										Peak-Hour Traffic			Remarks		
	Name	Length (Kms.)	Public Transport					% of Bus/Jpy.			Traffic Volume/Hour			Hour Ratio % to ADT	Peak Hr. Period		% of Heavy Vehicles	% Traffic in Heavy Direction
			Car	Truck	Bus	Jpy.	Etc.	Total	Bus	Jpy.	Car	Truck	Total					

Appendix 14.6

Tabulation Form of JUMSUT Traffic Data in Comparison with Road Capacity

Corridor/Road	Road Section		Carriage way width (No. of Lanes)	Estimated Capacity		Traffic (PCU)		Vol./Cap. Ratio		Observed Travel Speed (KPH)	Remarks
	Name	Length (Kms.)		ADT (Vehicles / Day)	Peak Hour (PCU/Lane/Hour)	ADT (PCU/ Hour)	Peak Hour (PCU/Lane/ Hour)	Daily	Peak Hour		

Appendix 14.7
List of JUMSUT Public Transport Data
Stored in the Magnetic Tape

File Name ^{1/}	Date Included	File Name ^{1/}	Data Included
1. PT Master — Sample Data of the Operation: Characteristics Survey	Mode No. Individual Route No. Seating Capacity Time Period (Code) Section Data (Report) — Section No. — Time of Arrival/Departure — No. of Boarding Passengers — No. of Passengers On-Board — Terminal Code	5. Route Information by Time Period and Direction	Mode No. EDP Route No. Basic Route No. Individual Route No. Time Period (Code) No. of Samples Seating Capacity Terminal Time Route Length (Up/Down) Travel Time (Up/Down) No. of Passengers (Up/Down) Passenger-Kms. (Up/Down) Passenger-Itrs. (Up/Down) No. of Units
2. Section Data before Expansion	Mode No. Individual Route No. Time Period (Code) Section No. Up/Down Code No. of Samples Section Length No. of Boarding Passengers No. of Passengers On-Board No. of Alighting Passengers Travel Time Seating Capacity	6-1 Route Information on Route Characteristics — Used mainly for data compilation and tabulation	Mode No. Individual Route No. EDP Route No. Basic Route No. Origin/Destination Zone Nos. Route Type EDSA Code (O/D) C2/C4 Code (O/D) Provincial Code (O/D) Corridor Codes (1-7) Route Length Route Length on Trunk Road Route Length on Secondary Road Route Length on LRT Corridor Route Name
3. Section Data after Expansion	Mode No. Individual Route No. Time Period (Code) Section No. Up/Down Code No. of Samples Section Length No. of Boarding Passengers No. of Passengers On-Board No. of Alighting Passengers Travel Time Seating Capacity One-way Frequency No. of Units	-2. Route Information on Supply Characteristics	Mode No. Individual Route No. No. of Units by Time Period Seating Capacity by Time Period Hourly One-way Frequency by Time Period Terminal Time by Time Period Turn-around Time by Time Period
4. Route Name and Frequency	Mode No. Individual Route No. One-way Frequency by Hour Route Name	-3. Route Information on Demand Characteristics	Mode No. Individual Route No. Ave. No. of Passengers per vehicle per Hour by Direction and by Time Period Ave. Trip Length by Direction and by Time Period Travel Time by Direction and by Time Period

^{1/}File numbers correspond to those shown in Appendix 14.8

Appendix 14.8

File Format of JUMSUT Public Transport Data Stored in the Magnetic Tape

1.

MODE NO.	INDIVIDUAL ROUTE NO.	SEATING CAPACITY	SECTION NO.	ARRIVAL TIME	DEPART. TIME	NO. OF BOARDING PASSENGERS	NO. OF PASSENGERS ON BOARD	SECTION NO.	ARRIVAL TIME	DEPART. TIME	NO. OF BOARDING PASSENGERS	NO. OF PASSENGERS ON BOARD	SECTION NO.	ARRIVAL TIME	DEPART. TIME	NO. OF BOARDING PASSENGERS	NO. OF PASSENGERS ON BOARD
9 (3)	9 (3)	9 (3)	9 (4)	9 (4)	9 (4)	9 (3)	9 (3)	9 (4)	9 (4)	9 (4)	9 (3)	9 (3)	9 (4)	9 (4)	9 (4)	9 (3)	9 (3)

2.

MODE NO.	INDIVIDUAL ROUTE NO.	SECTION NO.	NO. OF SAMPLES	LENGTH (M)	NO. OF BOARDING PASSENGERS	NO. OF PASSENGERS ON BOARD	ALIGHTING PASSENGERS	TRAVEL TIME (SEC.)	SEATING CAPACITY
9 (3)	9 (3)	9 (4)	9 (3)	9 (5)	9 (3)	9 (3)	9 (3)	9 (5)	9 (3)

3.

MODE NO.	INDIVIDUAL ROUTE NO.	SECTION NO.	NO. OF SAMPLES	LENGTH (M)	NO. OF BOARDING PASSENGERS	NO. OF PASSENGERS ON BOARD	ALIGHTING PASSENGERS	TRAVEL TIME (SEC.)	SEATING CAPACITY	ONE-WAY FREQUENCY (X 10)	NO. OF UNITS (X 10)
9 (3)	9 (3)	9 (4)	9 (3)	9 (5)	9 (3)	9 (3)	9 (3)	9 (5)	9 (3)	9 (5)	9 (5)

4.

MODE NO.	INDIVIDUAL ROUTE NO.	ONE-WAY FREQUENCY															
9 (4)	9 (4)	AM 6-7	AM 7-8	AM 8-9	AM 9-10	AM 10-11	AM 11-12	PM 1-2	PM 2-3	PM 3-4	PM 4-5	PM 5-6	PM 6-7	PM 7-8	PM 8-9	PM 9-10	IS HR. TOTAL
		9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	9 (4)

5.

MODE NO.	INDIVIDUAL ROUTE NO.	NO. OF SAMPLES	SEATING CAP.	TERMINAL TIME (MINS.)	UP ROUTE LENGTH (KM. X 10)	UP TRAVEL TIME (MINS.)	UP NO. OF PASSENGERS	UP PASSENGER-KMS (X 10)	UP PASSENGER-HRS (MINS.)	DOWN ROUTE LENGTH (KM. X 10)	DOWN TRAVEL TIME (MINS.)	DOWN NO. OF PASSENGERS	DOWN PASSENGER-KMS (X 10)	DOWN PASSENGER-HRS (MINS.)
9 (9)	9 (3)	9 (4)	9 (5)	9 (5)	9 (8)	9 (9)	9 (7)	9 (8)	9 (8)	9 (8)	9 (8)	9 (8)	9 (8)	9 (8)

Appendix 14.9
List of JUMSUT Public Transportation Data
in the Form of Cards

File Name ^U	Data Included	File Name ^U	Data Included
1. Route Name and Code (Jeepney)	Route Number Route Name Terminal Code (O/D) 202 Zone Code (O/D)	19. Frequency (Love Bus)	Route Number Direction One-Way Frequency by Hour
2. Route Length (Jeepney)	Route Number Route Length (kms)	20. Route Type (Love Bus)	Route Number Route Type
3. Frequency (Jeepney)	Route Number Direction One-Way Frequency by Hour	21. Route Name and Code (Mini-Bus)	Route Number Route Name 202 Zone Code
4. Route Type (Jeepney)	Route Number Route Type	22. Route Length (Mini-Bus)	Route Number Route Length (kms)
5. Route Name and Code (Standard Ordinary Bus)	Route Number Route Name 202 Zone Code (O/D)	23. Frequency (Mini-Bus)	Route Number Direction One-way Frequency by Hour
6. Route Length (Standard Ordinary Bus)	Route Number Route Length (kms)	24. Route Type (Mini-Bus)	Route Number Route Type
7. Frequency (Standard Ordinary Bus)	Route Number Direction One-Way Frequency by Hour	25. Route Name and Code (Provincial Bus Regular)	Route Number Route Name 202 Zone Code
8. Route Type (Standard Ordinary Bus)	Route Number Route Type	26. Route Length (Provincial Bus Regular)	Route Number Route Length (kms)
9. Route Name and Code (Double Decker)	Route Number Route Name 202 Zone Code (O/D)	27. Frequency (Provincial Bus Regular)	Route Number Direction One-Way Frequency by Hour
10. Route Length (Double Decker)	Route Number Route Length (kms)	28. Route Type (Provincial Bus)	Route Number Route Type
11. Frequency (Double Decker)	Route Number Direction One-Way Frequency by Hour	29. Road Section Length	Section Number Section Length (meters)
12. Route Type (Double-Decker)	Route Number Route Type	30. LRT Corridor Section	Section Numbers
13. Route Name and Code (Limited Bus)	Route Number Route Name 202 Zone Code (O/D)	31. Section Nos. by Corridor	Corridor Number Section Numbers
14. Route Length (Limited Bus)	Route Number Route Length (kms)	32. Section Nos. by Trunk Road	Trunk Road Number Section Numbers
15. Frequency (Limited Bus)	Route Number Direction One-Way Frequency by Hour	33. Terminal Code and Name	Terminal Code Terminal Name
16. Route Type (Limited Bus)	Route Number Route Type	34. Section Nos. of Major Terminals	Major Terminal Number Major Terminal Name Section Number
17. Route Name and Code (Love Bus)	Route Number Route Name 202 Zone Code	35. Road Names and Sections	Road Name Section Numbers Section Numbers
18. Route Length (kms) (Love Bus)	Route Number Route Length (kms)	36. Road Sections outside Metro Manila	
		37. Section by Zone (202 Zone System)	202 Zone Number Section Numbers
		38. Conversion Table from MMUTIP 202 Zones to JUMSUT 64 Zones	64 Zone Numbers (in order)

^UFile numbers correspond to those shown in Appendix 14.10.

Appendix 14.11

Data Stored in the Micro Computer

Data	Format
<u>ROUTE INFORMATION</u>	
1. Mode No.	i1
2. JUMSUT Route No.	i3
3. MOTC Route Code	A5
4. BOT Route Code	3A8
5. JUMSUT Route Name	A60
6. Terminal Code	2A5
7. Terminal Zone Code	2i3
8. Route Length	F4.1
9. Route Type	i1
10. No. of Units Running/Operating	2i4
11. No. of Units Authorized	i4
12. Average Travel Speed by Time Period	4F4.1
13. Average Seating Capacity	i3
14. Frequency by Hour	16i3 + i4
15. Daily Average Travel Time (min.)	i4
16. Daily Average Terminal Time (min.)	i4
17. Average Turn-Around Time by Time Period	4i4
18. Vehicle-Kilometers	i6
19. Vehicle-Hours	i5
20. Average Number of Round trips/Day/Vehicle	i3
21. Average Daily Kilometrage/Vehicle	i3
22. Average Load Factor by Time Period	4i3
23. Corridor Numbers Passed	3i2
24. Node (Section) Numbers Passed	25i3
25. Number of Pass/Day/Route	i7
26. Pass.-Kms/Day/Route	i8
27. Average Trip Length	F4.1
28. Estimated Ave. Fare Revenue/Day/Vehicle	i4
29. Interviewed Fare Revenue/Day/Vehicle	i4
30. Estimated Average Expense/Day/Vehicle	i4
31. Estimated Fuel Cost/Day/Vehicle	i4
32. Interviewed Ave. Expense/Day/Vehicle	i4
33. Interviewed Ave. Fuel Cost/Day/Vehicle	i4
34. Interviewed Ave. Boundary/Day/Vehicle	i4
35. Interviewed Ave. Other Expense/Day/Veh.	i4
<u>CORRIDOR INFORMATION</u>	
1. Corridor No.	i2
2. Number of Lanes	i2
3. Capacity	i6
4. Traffic Volume (Car/Taxi)	i6
5. Traffic Volume (Van/Truck)	i5
6. Traffic Volume (Jeepney)	i6
7. Traffic Volume (Bus)	i6
8. Traffic Volume (Total)	i7
9. Volume/Capacity Ratio	F4.2
<u>TERMINAL INFORMATION</u>	
1. Terminal Code	A5
2. Number of Pass. Boarding/Alighting	3i7 + i8
3. Terminal Type	A8
4. Intermodal Relations	6A9
5. No. of Routes	i3
6. No. of Units Operating	i4

Appendix 14.15
Reference Table for the
Different Zoning Systems

MMUTIP	JUMSUT	JUMSUT	JUMSUT	JUMSUT	MUNI- CIPA- LITY	MMUTIP	JUMSUT	JUMSUT	JUMSUT	JUMSUT	MUNI- CIPA- LITY
217	74	64	40	27	17	217	74	64	40	27	17
(202 + 15)		(58 + 6)	(37 + 3)	(24 + 3)		(202 + 15)		(58 + 6)	(37 + 3)	(24 + 3)	
1	71	1	1	1	1	61	53	26	31	5	2
2	70	2	1	1	1	62	54	28	31	5	2
3	69	3	1	1	1	63	53,56	28	31	5	2
4	26, 69	3	1	1	1	64	50,55	27	28	6	3
5	3,4,5,26	4	1	1	1	65	46,48,50	22	28	6	3
6	3,4,5,25,27,29	4	2	2	1	66	57	23	27	6	3
7	5,28,30	5	1	1	1	67	59	30	27	6	3
8	30,32,34,69	6	1	1	1	68	55	22	28	6	3
9	71	1	1	2	1	69	55	27	28	6	3
10	9, 36	8	2	2	1	70	55	29	28	6	3
11	34, 36	8	2	2	1	71	55	22	28	6	3
12	8,9,34,36	8	2	2	1	72	55	29	28	6	3
13	8,9,35,37	9	2	2	1	73	59	30	27	6	3
14	8,34,35	7	2	2	1	74	59	30	29	6	3
15	6,7,31,32,33,34	6	2	2	1	75	59	30	29	6	3
16	5,6,29,31	5	2	2	1	76	59	53	29	6	3
17	37	9	3	2	1	77	55	29	29	6	3
18	35, 37	9	3	2	1	78	55	27	29	6	4
19	35	7	4	3	1	79	61	31	24	7	4
20	60	13	4	3	1	80	60	24	24	7	4
21	60	13	4	3	1	81	60	24	24	7	4
22	63	12	4	3	1	82	60	32	24	7	4
23	33,35	7	4	3	1	83	61	32	24	7	4
24	63	12	4	3	1	84	61	31	24	7	4
25	29,31	5	4	3	1	85	61	33	24	7	4
26	63	12	4	3	1	86	61	33	24	7	4
27	60	13	4	3	1	87	62	34	23	8	5
28	60	13	5	3	1	88	62	34	23	8	5
29	60	32	5	3	1	89	62	34	23	8	5
30	60	24	9	4	1	90	60	32	23	8	5
31	60	13	5	4	1	91	60	34	23	8	5
32	60	13	3	4	1	92	60	34	17	12	6
33	37	9	3	4	1	93	63	35	17	12	6
34	38	6	6	4	1	94	63	35	17	12	6
35	10,38	10	6	4	1	95	63	35	15	9	6
36	10,11	11	6	4	1	96	25,27	36	15	9	6
37	39	11	7	4	1	97	23,25,73	36	15	9	6
38	11,12,40,41	17	6	4	1	98	21,23,73	43	15	9	6
39	11,12,39,42	16	7	4	1	99	74	38	15	9	6
40	39,42	15	7	4	1	100	74	37	15	9	6
41	42	15	7	4	1	101	63	35	15	9	6
42	12,13	18	8	4	1	102	74	37	16	9	6
43	12,13,41,43	18	8	4	1	103	74	38	16	9	6
44	13,14,43,45	19	8	4	1	104	74	38	16	9	6
45	13,14,44	20	8	4	1	105	64	39	16	9	6
46	44,46	20	9	4	1	106	64	39	18	12	6
47	42	15	7	4	1	107	64	40	18	12	6
48	57	23	9	4	1	108	64	37	18	12	6
49	58	14	7	4	1	109	63	34	18	12	6
50	58	14	9	4	1	110	62	34	18	12	6
51	58	14	9	4	1	111	62	34	18	12	6
52	57	23	9	4	1	112	62	41	18	12	6
53	45,47	21	30	5	2	113	62	41	18	12	6
54	14,15	21	30	5	2	114	62	41	19	11	6
55	15,16,47,49	25	30	5	2	115	62	41	19	11	6
56	15,16,48,50	25	30	5	2	116	62	41	19	11	6
57	16,17,18,49,51	25	30	5	2	117	62	41	19	11	6
58	16,50	25	30	5	2	118	62	41	19	11	6
59	17,52	26	30	5	2	119	62	41	19	11	6
60	17,18,52	26	31	5	2	120	64	40	19	11	6

Appendix 14.15 (cont'd.)

MMUTIP'	JUMSUT	JUMSUT	JUMSUT	JUMSUT	MUNI- CIPA- LITY	MMUTIP	JUMSUT	JUMSUT	JUMSUT	JUMSUT	MUNI- CIPA- LITY
217	74	64	40	27	17	217	74	64	40	27	17
(202 + 15)		(58 + 6)	(37 + 3)	(24 + 3)		(202 + 15)		(58 + 6)	(37 + 3)	(24 + 3)	
121	64	40	19	11	6	171	62	50	25	18	11
122	62	50	20	10	6	172	61	52	26	19	12
123	64	40	20	10	6	173	61	51	26	19	12
124	64	39	20	10	6	174	61	51	26	19	12
125	64	49	20	10	6	175	61	51	26	19	12
126	64	49	20	10	6	176	61	52	26	19	12
127	64	49	22	10	6	177	61	52	26	19	12
128	65	48	20	10	6	178	61	52	26	19	12
129	65	48	21	10	6	179	61	52	26	19	12
130	64	49	21	10	6	180	59	53	33	20	13
131	74	38	21	10	6	181	56	54	32	21	14
132	74	38	21	10	6	182	59	53	32	21	14
133	21,65	48	21	10	6	183	59	53	32	21	14
134	21,23	43	10	13	7	184	56	54	32	21	14
135	23,25	36	10	13	7	185	56	54	32	21	14
136	2,3	42	10	13	7	186	56	57	34	22	15
137	22,24	44	10	13	7	187	56	54	34	22	15
138	20,22	44	10	13	7	188	54	28	34	22	15
139	1,2	42	10	13	7	189	18,53,54	55	34	22	15
140	1,20	44	10	13	7	190	54	56	34	22	15
141	1,21,66	43	10	13	7	191	54	56	34	22	15
142	65	48	10	13	7	192	56	54	34	22	15
143	65	48	11	14	7	193	56	57	34	22	15
144	65	48	11	14	7	194	56	57	36	23	16
145	66	47	14	15	8	195	56	57	36	23	16
146	66	47	14	15	8	196	56	57	36	23	16
147	66	47	14	15	8	197	54	56	35	24	17
148	67	46	14	15	8	198	56	57	35	24	17
149	67	46	14	15	8	199	54	56	35	24	17
150	67	46	14	15	8	200	54	56	35	24	17
151	67	46	14	15	8	201	72	58	37	5	2
152	67	46	14	15	8	202	72	58	37	5	2
153	67	46	13	16	9	203	67	59	38	25	Outside Metro Manila
154	19,66,67	46	13	16	9	204	66	59	38	25	
155	67	46	13	16	9	205	65	60	38	25	
156	68	45	13	16	9	206	62	61	38	25	
157	68	45	13	16	9	207	61	62	39	26	
158	68	45	13	16	9	208	61	62	39	26	
159	68	45	13	16	9	209	59	63	40	27	
160	68	45	12	17	10	210	54	64	40	27	
161	68	45	12	17	10	211	54	64	40	27	
162	68	45	12	17	10	212	-	-	38	25	
163	68	45	12	17	10	213	-	-	38	25	
164	62	50	25	18	11	214	-	-	40	27	
165	62	50	25	18	11	215	-	-	40	27	
166	62	50	25	18	11	216	-	-	40	27	
167	62	50	25	18	11	217	-	-	40	27	
168	62	50	25	18	11						
169	62	50	25	18	11						
170	62	50	25	18	11						

Note: The MMUTIP 217 zones by municipality are as follows:

Zone No.	City or Municipality	MMUTIP 202 ZONES	Zone No.	City or Municipality	MMUTIP 202 Zones
1	Manila	1 - 52	9	Malabon	153 - 159
2	Pasay City including Reclamation Area	53 - 63	10	Navotas	160 - 163
3	Makati	64 - 78	11	Marikina	164 - 171
4	Mandaluyong	79 - 86	12	Pasig	172 - 179
5	San Juan	87 - 91	13	Pateros	180
6	Quezon City	92 - 133	14	Taguig	181 - 185
7	Caloocan City	134 - 144	15	Parañaque	186 - 193
8	Valenzuela	145 - 152	16	Muntinlupa	194 - 196
			17	Las Piñas	197 - 200

Appendix 14.16
List of JUMSUT HIS Data
Stored in Magnetic Tape

File Name & Data Included	File name & Data Included	File Name & Data Included
<p>1. HIS 1980 Master -- Sample Base</p> <p>- Household Information</p> <p>Home Zone (HIS Zone)</p> <p>Sequential Number</p> <p>Household Number</p> <p>Population Male under 7</p> <p style="padding-left: 20px;">7 and above</p> <p style="padding-left: 20px;">Total</p> <p style="padding-left: 20px;">Female under 7</p> <p style="padding-left: 40px;">7 and above</p> <p style="padding-left: 40px;">Total</p> <p style="padding-left: 20px;">Total under 7</p> <p style="padding-left: 40px;">7 and above</p> <p style="padding-left: 40px;">Total</p> <p>Household Income Level Code</p> <p>Number of Vehicles Owned Bicycle</p> <p style="padding-left: 20px;">Motorcycle</p> <p style="padding-left: 20px;">Jeepney</p> <p style="padding-left: 20px;">Car</p> <p style="padding-left: 20px;">Van/Pick-up</p> <p style="padding-left: 20px;">Truck</p> <p style="padding-left: 20px;">Tricycle</p> <p style="padding-left: 20px;">Others</p> <p>Accessibility Tricycle Distance (m)</p> <p style="padding-left: 20px;">Time (min.)</p> <p style="padding-left: 20px;">Jeepney Distance (m)</p> <p style="padding-left: 40px;">Time (min.)</p> <p style="padding-left: 20px;">Bus Distance (m)</p> <p style="padding-left: 40px;">Time (min.)</p> <p style="padding-left: 20px;">Train Distance (m)</p> <p style="padding-left: 40px;">Time (min.)</p> <p>Code (14) ... for record identification</p> <p>- Household Member Information</p> <p>Home Zone (HIS Zone)</p> <p>Sequential Number</p> <p>Household Number</p> <p>Sequential Member Number by Household</p> <p>Age</p> <p>Sex Code</p> <p>Work Address (HIS Zone)</p> <p>School Address (HIS Zone)</p> <p>Occupation Code 1</p> <p style="padding-left: 20px;">2</p> <p style="padding-left: 20px;">3</p> <p>Employment Sector Code</p> <p>Personal Income Level Code</p> <p>Driver's License Code</p> <p>Code (24) ... for record identification</p> <p>- Trip Information</p> <p>Home Zone (HIS Zone)</p> <p>Sequential Number</p> <p>Household Number</p> <p>Sequential Trip Number by Household</p> <p>Origin Zone (HIS Zone)</p> <p style="padding-left: 20px;">Institution Code</p> <p style="padding-left: 20px;">Start Time Hour</p> <p style="padding-left: 40px;">Minutes</p> <p>Destination Arrival Time Hour</p> <p style="padding-left: 20px;">Minutes</p> <p style="padding-left: 20px;">Institution Code</p> <p style="padding-left: 20px;">Zone (HIS Zone)</p> <p>Trip Purpose Code From</p> <p style="padding-left: 20px;">To</p> <p>Mode Mode Code</p> <p style="padding-left: 20px;">Passenger / Driver Code</p> <p>1st Transfer Mode Code</p> <p style="padding-left: 20px;">Passenger / Driver Code</p> <p style="padding-left: 20px;">Transfer Zone (HIS Zone)</p> <p>2nd Transfer Mode Code</p> <p style="padding-left: 20px;">Passenger / Driver Code</p> <p style="padding-left: 20px;">Transfer Zone (HIS Zone)</p> <p>3rd Transfer Mode Code</p> <p style="padding-left: 20px;">Passenger / Driver Code</p> <p style="padding-left: 20px;">Transfer Zone (HIS Zone)</p> <p>4th Transfer Mode Code</p> <p style="padding-left: 20px;">Passenger / Driver Code</p> <p style="padding-left: 20px;">Transfer Zone (HIS Zone)</p> <p>Code (41 91) ... for record identification</p>	<p>2. HIS 1983 Master -- Sample Base</p> <p>Household Information</p> <p>Home Zone (HIS Zone)</p> <p>Sequential Number</p> <p>Household Number</p> <p>Population Male Under 7</p> <p style="padding-left: 20px;">7 and above</p> <p style="padding-left: 20px;">Total</p> <p style="padding-left: 20px;">Female Under 7</p> <p style="padding-left: 40px;">7 and above</p> <p style="padding-left: 40px;">Total</p> <p style="padding-left: 20px;">Total Under 7</p> <p style="padding-left: 40px;">7 and above</p> <p style="padding-left: 40px;">Total</p> <p>Household Income Level Code</p> <p>Number of Vehicles Owned Bicycle</p> <p style="padding-left: 20px;">Motorcycle</p> <p style="padding-left: 20px;">Jeepney</p> <p style="padding-left: 20px;">Jeep</p> <p style="padding-left: 20px;">Car</p> <p style="padding-left: 20px;">Van/Pick-up</p> <p style="padding-left: 20px;">Truck</p> <p style="padding-left: 20px;">Tricycle</p> <p style="padding-left: 20px;">Others</p> <p>Number of Vehicles Garaged Bicycle</p> <p style="padding-left: 20px;">Motorcycle</p> <p style="padding-left: 20px;">Jeepney</p> <p style="padding-left: 20px;">Jeep</p> <p style="padding-left: 20px;">Car</p> <p style="padding-left: 20px;">Van/Pick-up</p> <p style="padding-left: 20px;">Truck</p> <p style="padding-left: 20px;">Tricycle</p> <p style="padding-left: 20px;">Others</p> <p>Household Member Information</p> <p>Home Zone (HIS Zone)</p> <p>Sequential Number</p> <p>Household Number</p> <p>Sequential Member Number of Household</p> <p>Age</p> <p>Sex Code</p> <p>Work Address (HIS Zone)</p> <p>School Address (HIS Zone)</p> <p>Occupation Code 1</p> <p style="padding-left: 20px;">2</p> <p style="padding-left: 20px;">3</p> <p>Employment Sector Code</p> <p>Personal Income Level Code</p> <p>Driver's License Code</p> <p>Code (24) ... for record identification</p> <p>Trip Information</p> <p>Home Zone (HIS Zone)</p> <p>Sequential Number</p> <p>Household Number</p> <p>Sequential Trip Number by Household</p> <p>Origin Zone (HIS Zone)</p> <p style="padding-left: 20px;">Institution Code</p> <p style="padding-left: 20px;">Start Time Hour</p> <p style="padding-left: 40px;">Minutes</p> <p>Destination Arrival Time Hour</p> <p style="padding-left: 20px;">Minutes</p> <p style="padding-left: 20px;">Institution Code</p> <p style="padding-left: 20px;">Zone (HIS Zone)</p> <p>Trip Purpose Code From</p> <p style="padding-left: 20px;">To</p> <p>Mode Mode Code</p> <p style="padding-left: 20px;">Passenger / Driver Code</p> <p>1st Transfer Mode Code</p> <p style="padding-left: 20px;">Passenger / Driver Code</p> <p style="padding-left: 20px;">Transfer Zone (HIS Zone)</p> <p>2nd Transfer Mode Code</p> <p style="padding-left: 20px;">Passenger / Driver Code</p> <p style="padding-left: 20px;">Transfer Zone (HIS Zone)</p> <p>3rd Transfer Mode Code</p> <p style="padding-left: 20px;">Passenger / Driver Code</p> <p style="padding-left: 20px;">Transfer Zone (HIS Zone)</p> <p>4th Transfer Mode Code</p> <p style="padding-left: 20px;">Passenger / Driver Code</p> <p style="padding-left: 20px;">Transfer Zone (HIS Zone)</p> <p>Code (41 91) ... for record identification</p>	<p>3. HIS 1980 Household Information</p> <p>Home Zone (HIS Zone)</p> <p>Household Number</p> <p>Population Male under 7</p> <p style="padding-left: 20px;">7 and above</p> <p style="padding-left: 20px;">Total</p> <p style="padding-left: 20px;">Female under 7</p> <p style="padding-left: 40px;">7 and above</p> <p style="padding-left: 40px;">Total</p> <p style="padding-left: 20px;">Total Under 7</p> <p style="padding-left: 40px;">7 and above</p> <p style="padding-left: 40px;">Total</p> <p>Employment Male</p> <p style="padding-left: 20px;">Female</p> <p style="padding-left: 20px;">Total</p> <p>Household Income Level Code</p> <p>Number of Vehicles Owned Bicycle</p> <p style="padding-left: 20px;">Motorcycle</p> <p style="padding-left: 20px;">Jeepney</p> <p style="padding-left: 20px;">Jeep</p> <p style="padding-left: 20px;">Car</p> <p style="padding-left: 20px;">Van/Pick-up</p> <p style="padding-left: 20px;">Truck</p> <p style="padding-left: 20px;">Tricycle</p> <p style="padding-left: 20px;">Others</p> <p>Number of Vehicles Garaged Bicycle</p> <p style="padding-left: 20px;">Motorcycle</p> <p style="padding-left: 20px;">Jeepney</p> <p style="padding-left: 20px;">Jeep</p> <p style="padding-left: 20px;">Car</p> <p style="padding-left: 20px;">Van/Pick-up</p> <p style="padding-left: 20px;">Truck</p> <p style="padding-left: 20px;">Tricycle</p> <p style="padding-left: 20px;">Others</p> <p>Accessibility Tricycle Distance (m)</p> <p style="padding-left: 20px;">Time (min.)</p> <p style="padding-left: 20px;">Jeepney Distance (m)</p> <p style="padding-left: 40px;">Time (min.)</p> <p style="padding-left: 20px;">Bus Distance (m)</p> <p style="padding-left: 40px;">Time (min.)</p> <p style="padding-left: 20px;">Train Distance (m)</p> <p style="padding-left: 40px;">Time (min.)</p> <p>Expansion Factor</p> <p>4. HIS 1980 Household Member Information</p> <p>Home Zone (HIS Zone)</p> <p>Household Number</p> <p>Age</p> <p>Sex Code</p> <p>Provincial Address (HIS Zone)</p> <p>Work Address (HIS Zone)</p> <p>Occupation 1</p> <p style="padding-left: 20px;">2</p> <p style="padding-left: 20px;">3</p> <p>Employment Sector Code</p> <p>Personal Income Level Code</p> <p>Driver's License Code</p> <p>Expansion Factor</p> <p>5. HIS 1980 Trip Information</p> <p>Home Zone (HIS Zone)</p> <p>Household Income Level Code</p> <p>Car Ownership Code</p> <p>Age</p> <p>Sex Code</p> <p>Work Address/School Address (HIS Zone)</p> <p>Occupation Code</p> <p>Employment Sector Code</p> <p>Personal Income Level Code</p> <p>Driver's License Code</p> <p>Origin Zone (HIS Zone)</p> <p style="padding-left: 20px;">Institution Code</p> <p style="padding-left: 20px;">Start Time Hour</p> <p style="padding-left: 40px;">Minutes</p>

Appendix 14.16 (cont'd.)

<p>5. HIS 1980 Trip Information (Cont'd.)</p> <p>Destination Arrival Time Minutes Institution Code Zone (HIS Zone)</p> <p>Trip Purpose Code From To</p> <p>Mode Mode Code Passenger / Driver Code</p> <p>1st Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone)</p> <p>2nd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone)</p> <p>3rd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone)</p> <p>4th Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone)</p> <p>Expansion Factor Personal Bit</p> <p>6. HIS 1983 Household Information</p> <p>Home Zone (HIS Zone) Household Number Population Male under 7 7 and above Total Female under 7 7 and above Total Total under 7 7 and above Total</p> <p>Employment Male Female Total</p> <p>Household Income Level Code Number of Vehicles Owned Bicycle Motorcycle Jeepney Jeep Car Van/Pick-up Truck Tricycle Others</p> <p>Number of Vehicles Garaged Bicycle Motorcycle Jeepney Jeep Car Van/Pick-up Truck Tricycle Others</p> <p>Expansion Factor</p>	<p>8. HIS 1983 Trip Information</p> <p>Home Zone (HIS Zone) Household Income Level Code Age Sex Code Work Address/School Address (HIS Zone) Occupation Code Employment Sector Code Personal Income Level Code Driver's License Code Origin Zone (HIS Zone) Institution Code Start Time Hour Minutes Destination Arrival Time Hour Minutes Institution Code Zone (HIS Zone)</p> <p>Trip Purpose Code From To</p> <p>Mode Mode Code Passenger Driver Code</p> <p>1st Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone)</p> <p>2nd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone)</p> <p>3rd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone)</p> <p>4th Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone)</p> <p>Expansion Factor Personal Bit</p> <p>9. HIS Revised Trip Information (1980 and 1983 Merged)</p> <p>Home Zone (HIS Zone) Household Income Level Code Car Ownership Code Age Sex Code Work Address/School Address (HIS Zone) Occupation Code Employment Sector Code Personal Income Level Code Driver's License Code Origin Zone (HIS Zone) Institution Code Start Time Hour Minutes Destination Arrival Time Hour Minutes Institution Code Zone (HIS Zone)</p> <p>Trip Purpose Code From To</p> <p>Mode Mode Code Passenger or Driver Code</p> <p>1st Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone)</p> <p>2nd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone)</p> <p>3rd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone)</p> <p>4th Transfer Mode Code Passenger/Driver Code Transfer Zone (HIS Zone)</p> <p>Expansion Factor</p>	<p>10. Cordon Line All Vehicle Information</p> <p>Key (1) Station Number Identification Code Hour Vehicle Type Code Home Address (HIS Zone) Origin Zone (HIS Zone) Destination Zone (HIS Zone) Trip Purpose Code From To Number of Passenger Seating Capacity Toll Gate Code Expansion Factor</p> <p>11. Cordon Line Public Transport Passenger Information</p> <p>Key (2) Station Number Identification Code Hour Vehicle Type Code Home Address (HIS Zone) Origin Zone (HIS Zone) Destination Zone (HIS Zone) Transfer Point (HIS Zone) Mode Code Trip Purpose Code From To Expansion Rate</p> <p>12. Distance Table Road Distance by Zonal Pair</p> <p>13. Trip File</p> <p>Origin Zone (Traffic Zone) Institution Code Start Time Hour Minutes Destination Arrival Time Hour Minutes Institution Code Zone (Traffic Zone)</p> <p>Trip Purpose From To</p> <p>Mode Code Transfer 1st Mode Code 2nd 3rd 4th</p> <p>Expansion Factor Converted Purpose Code Converted Mode Code</p>
<p>7. HIS 1983, 1980 Household Member Information</p> <p>Home Zone (HIS Zone) Household Number Age Sex Code Provincial Address (HIS Zone) Work Address (HIS Zone) School Address (HIS Zone) Occupation Code 1 2 3</p> <p>Employment Sector Code Personal Income Level Code Driver's License Code Expansion Factor</p>	<p>14. to 89. OD Tables</p> <p>No. of Trips by Mode by Trip Purpose by Time Period by Person/Vehicle on different zoning</p>	

(App.14.17 cont'd.)

11.

STATION NUMBER	IDENTIFICATION CODE	MODE	VEHICLE TYPE	HOME ADDRESS	ORIGIN	DEST.	TRANSFER FROM	MODE	TO	PURP.	EXPANSION FACTOR
9 (4)	9 (6)	99	9 (3)	9 (3)	9 (3)	9 (3)	9 (3)	99	X (6)		9 (4)

12.

DISTANCE I - 1 (0.1 KM.)	DISTANCE I - 2	DISTANCE I - 3								

13.

ORIGIN		DESTINATION		TRIP PURPOSE		TRANSFER MODE			EXPANSION FACTOR		CONVERTED CONVERTED MODE		
ZONE	INSTITUTION	START TIME	ARRIVAL TIME	ZONE	FROM	TO	MODE	1ST	2ND	3RD	4TH		
9 (3)	99	99	99	9 (3)	99	99	99	99	99	99	99	9 (7)	99

14. 89.

NO. OF TRIPS I TO 1	I TO 2	I TO 3	I TO 4	I TO 5	I TO 6	I TO 7	I TO 8	I TO 9	I TO 10
9 (8)	9 (8)	9 (8)	9 (8)	9 (8)	9 (8)	9 (8)	9 (8)	9 (8)	9 (8)

Appendix 14.18
List of JUMSUT HIS-Related Data
in the Form of Cards

File Name	Data Included
1. HIS Zone/Traffic Zone Conversion Table	HIS Zone Traffic Zone
2. Traffic Zone/217 Zone Conversion Table	217 Zone
3. Traffic Zone/24 Zone Conversion Table	24 Zone
4. Traffic Zone/202 Zone Conversion Table	202 Zone
5. Traffic Zone/37 Zone Conversion Table	37 Zone
6. 217 Zone/24 Zone Conversion Table	24 Zone
7. 217 Zone/4 Zone Conversion Table	4 Zone
8. 217 Zone/14 Zone Conversion Table	14 Zone
9. 217 Zone/27 Zone Conversion Table	27 Zone
10. Population by Sex by Zone	Male by 202 Zone Female by 202 Zone
11. Population by sex/age by Municipality	Male by Age/Municipality Female by Age/Municipality
12. Area by Zone	Area by 202 Zone
13. No. of Households by Zone	Household by 202 Zone
14. Trip Purpose Conversion Table	From Purpose To Purpose Converted Purpose

Appendix 14.20
List of JUMSUT HIS Data
Stored in the Micro Computer

File Name	Data Included
1. Trip Generation/Attraction (217 Zones)	- Generation by Zone, by Mode and by Purpose (Trips/Day) - Attraction by Zone, by Mode and by Purpose (Trips/Day)
2. OD Table (27 Zones)	- Public OD Table by Purpose (Trips/Day) - Private OD Table by Purpose (Trips/Day)
3. Conversion Table from MMUTIP 202 Zones to JUMSUT 24 Zones	- 24-Zone No. for each 202 zone

Appendix 14.21
Coding Method of JUMSUT Public Transport
Data File (Magnetic Tape No. 3 – Appendix 14.8)

Date	Code	Explanation
(1) Mode	1	Jeepney
	2	Ordinary Standard Bus
	3	Double Decker Bus
	4	Limited Bus
	5	Love Bus
	6	Mini Bus
	7	Provincial Bus
(2) Individual Route No.	1 – 744	Jeepney
	1 – 162 ^{1/}	Ordinary Standard Bus
	1 – 3	Double Decker Bus
	1 – 5	Limited Bus
	1 – 28	Love Bus
	1 – 117 ^{1/}	Mini Bus
	1 – 150 ^{1/}	Provincial Bus
(3) Time Period	1	Morning Peak (7 – 10 a.m.)
	2	Afternoon Off-Peak (12 – 3 p.m.)
	3	Evening Peak (4 – 7 p.m.)
(4) Section No.	1 – 1687	(See Map)
(5) Up/Down Code	1 ^{2/}	Up (following the sequence of Section Nos. separately specified)
	2 ^{2/}	Down
	3	Unknown
(6) No. of Samples	(Number)	Surveyed No. of round trips
(7) Section Length	(Length)	In terms of meters
(8) No. of Boarding Passengers	(Number)	Per hour per vehicle
(9) No. of Passengers on-Board	(Number)	Per hour per vehicle
(10) No. of Alighting Passengers	(Number)	Per hour per vehicle
(11) Travel Time	(Time)	Average Travel Time of the
		Section in terms of seconds
(12) Seating Capacity	(Number)	Average Seating Capacity
(13) One-Way Frequency	(Number x 10)	One-Way Frequency of the Time Period of the Route.
(14) No. of Units	(Number x 10)	Estimated No. of Units
		Running of the Time Period of the Route.

^{1/}Numbers are discrete because some routes of different operators are integrated.

^{2/}Up/Down Code is specified only for major corridors and other trunk roads.

Appendix 14.22
Coding Method of JUMSUT Public Transport
Data File (Magnetic Tape No. 6 – Appendix 14.8)

Data	Code	Explanation
(1) Mode	1	Jeepney
	2	Ordinary Standard Bus
	3	Double Decker Bus
	4	Limited Bus
	5	Love Bus
	6	Mini Bus
	7	Provincial Bus
(2) Individual Route No.	1 – 744	Jeepney
	1 – 162 ^{1/}	Ordinary Standard Bus
	1 – 3	Double Decker Bus
	1 – 5	Limited Bus
	1 – 28	Love Bus
	1 – 117 ^{1/}	Mini Bus
	1 – 150 ^{1/}	Provincial Bus
(3) EDP Route No. ^{2/}	1 – 98 ^{3/}	Jeepney
	99 – 120	Ordinary Standard/Double Decker Bus
	121 – 123	Provincial Bus
	124 – 132	Love Bus
	133 – 139	Mini Bus
(4) Basic Route No. ^{4/}	1 – 196	Jeepney (inter-zonal)
	1 – 36	Jeepney (intra-zonal)
	1 – 52	Ordinary Standard Bus
	1 – 3	Double Decker Bus
	1 – 4	Limited Bus
	1 – 19	Love Bus
	1 – 12	Mini Bus
(5) Origin/Destination Zone Nos.	1 – 5	Provincial Bus
	1 – 211 ^{5/}	MMUTIP 202 Zone Nos. of both ends of the Route. Route Type Classified in Relation to LRT
(6) Route Type	1 – 7	(see JUMSUT Report Chapter 6 for details). Relation to LRT (see JUMSUT Report Chapter 6 for details).
(7) EDSA Code	0	Inside EDSA
(8) C2/C4 Code	1	Outside EDSA
	1	Inside C2
	2	Between C2 and C4
	3	Outside C4
(9) Provincial Code	4	Outside Metro Manila
	0	Within Metro Manila
	1	Outside Metro Manila (North)
	2	Outside Metro Manila (East)
(10) Corridor Codes	3	Outside Metro Manila (South)
	1 – 24	No. of Corridors Passed. . . . separately specified (up to 7 corridors).
(11) Route Length	(Length)	In terms of Kilometers
(12) Route Length on Trunk Roads	(Length)	Total Length of Trunk Roads covered by the Route (kms)
(13) Route Length on Secondary Roads	(Length)	Total Length of Secondary Roads covered by the Route (kms)
(14) Route Length on LRT Corridor	(Length)	Total Length of LRT Corridor covered by the Route (kms)
(15) Route Name	(Name)	JUMSUT Route Name

^{1/}Numbers are discrete because some routes of different operators are integrated.

^{2/}An integrated route for running TRANSTEP on the JUMSUT 64-zone system.

^{3/}There are 55 jeepney individual routes with an EDP Route No. of zero (0). These are all intra-zonal routes which are not used in the EDP.

^{4/}Basic route is an integrated route based on the JUMSUT 64-zone system.

^{5/}Zone Nos. 203 to 211 are for areas outside Metro Manila.

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