

(App.12.1 cont'd.)

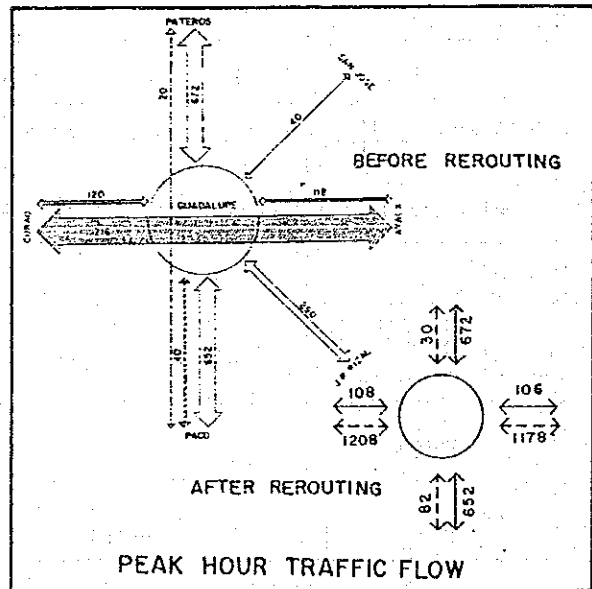
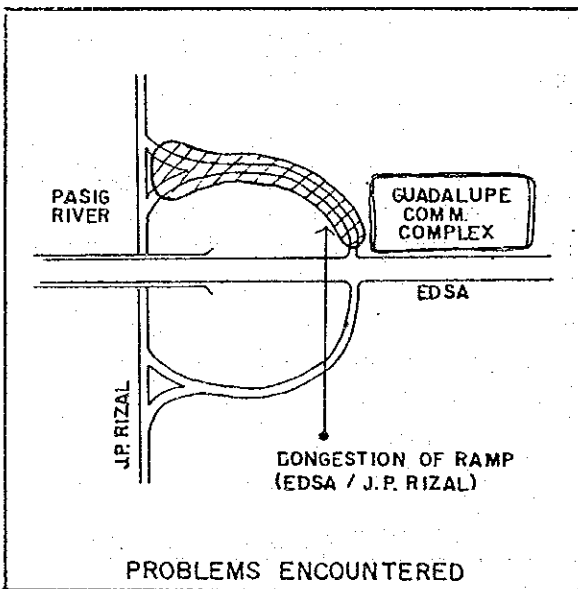
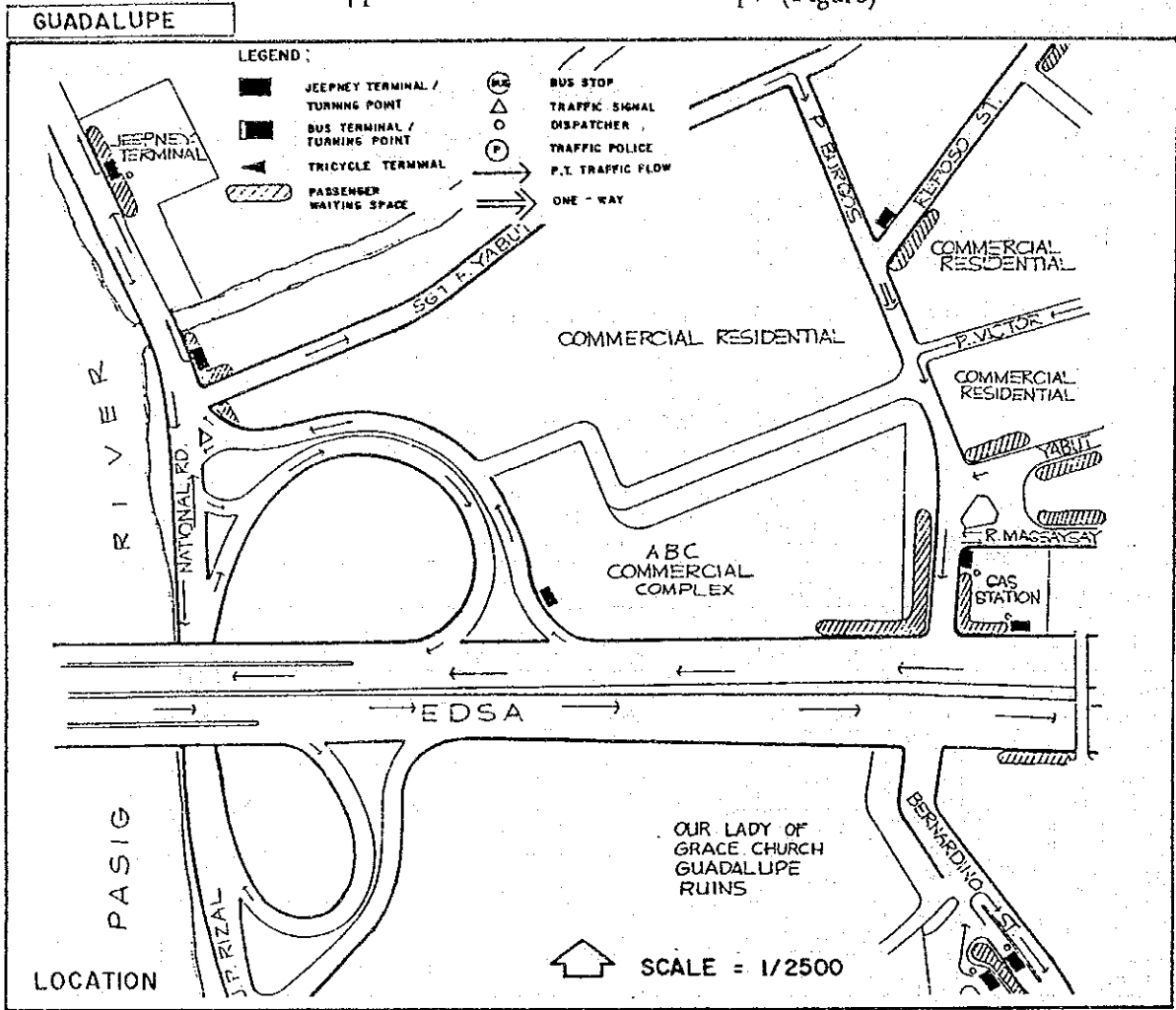
Appendix 12.1-J Crossing (EDSA Central) (Table)

CROSSING(EDSA CENTRAL)

Location/Land Use/Facilities		
Location/Major Roads Related	East part of Metro Manila at the intersection of EDSA and Shaw Blvd.	
Land Use of the Adjacent Area	Commercial Area (EDSA Central Commercial Complex) near Ortigas Business/Commercial District	
No. of Queueing/Waiting Jeepneys	Off-Road	85
	On-Road	30
Terminal Facilities	Roads	Shaw Blvd., EDSA (Service Road) United, Sierra Madre
	Pedestrian Facilities	Pedestrian Overpass (EDSA) Sidewalk
	Other Related Facilities	Parking space in EDSA Central Commercial Complex Gas Station

Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		9	5	-	-	3	-	-
Frequency (one-way)	16 Hours	23,233	2,667	-	-	13,750	-	-
	Peak Hour	1,469	227	-	-	1,375	-	-
No. of Pass, Boarding/Alighting (16 Hrs.)		106,900	55,200	43,200	2,900	34,500	-	-
Generating/Passing Through		G	G	P	P	-	-	-
Major Origins/Destinations of Routes Using the Terminals		Pasig Quiapo JRC Guadalupe	Binangonan Taytay Morong Antipolo	-	-	-	-	-

Problems Encountered		
Traffic Congestion	Road Section	° EDSA, Shaw Blvd. (Service Rd.)
	Inter-section	° EDSA/Shaw Blvd.
Pedestrian Facilities	° Lack of Pedestrian Crossing Facility (Shaw Blvd.) and sidewalk width along Shaw Blvd.	
Deterioration of Road Facilities		
Accessibility in the Terminal among Modes	° Scattered jeepney turning points within a 400-meter distance	
Roadside Usage		
Other Problems		

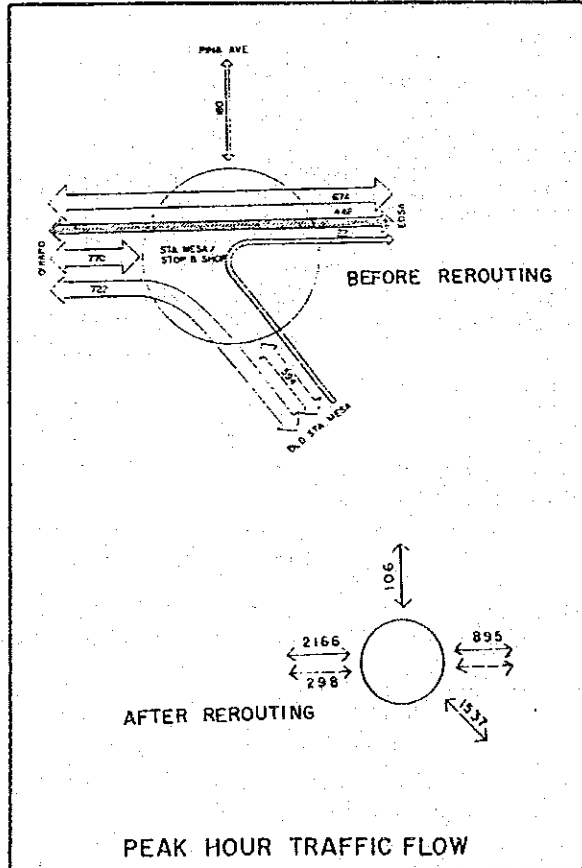
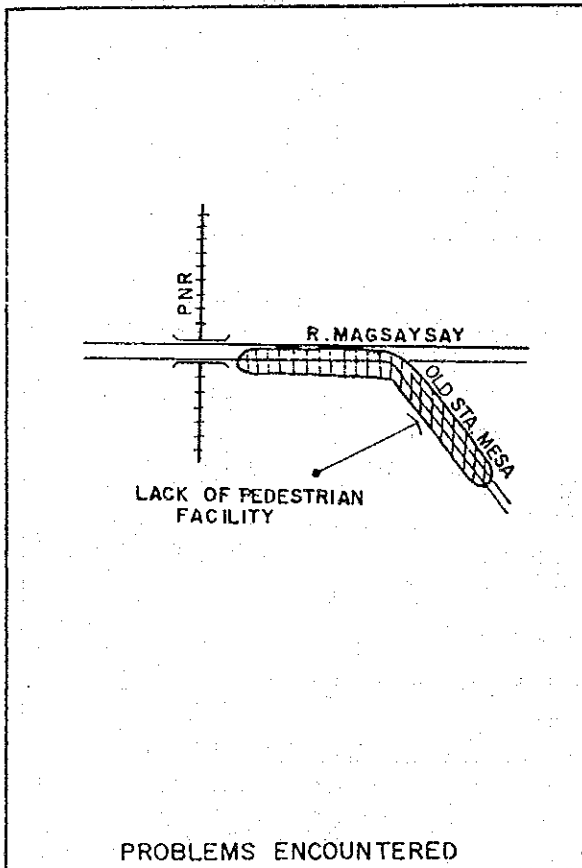
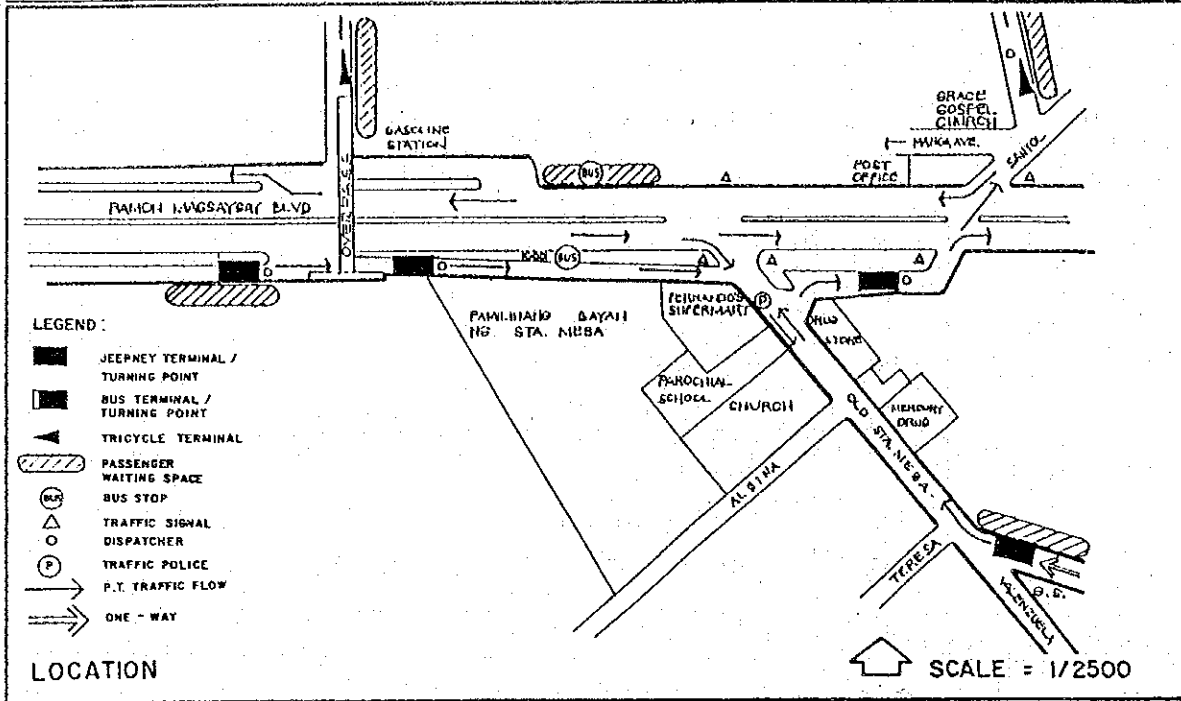


(App.12.1 cont'd.)

Appendix 12.1-K Guadalupe (Table)

GUADALUPE								
Location/Land Use/Facilities								
Location/Major Roads Related		Southeast part of Metro Manila at the intersection of EDSA and J.P. Rizal (Guadalupe Bridge)						
Land Use of the Adjacent Area		Commercial Institution (Guadalupe Commercial Complex, Loyola Memorial Chapel)						
No. of Queueing/Waiting Jeepneys		Off-Road	40					
		On-Road	15					
Terminal Facilities		Roads	Bernardino Street, P. Burgos					
		Pedestrian Facilities	Sidewalk Pedestrian Overpass (EDSA)					
		Other Related Facilities	Off-road jeepney terminal Gas Station					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		20	-	1	-	-	-	-
Frequency (one-way)	16 Hours	18,900	-	493	-	-	-	-
	Peak Hour	1,736	-	27	-	-	-	-
No. of Pass, Boarding /Alighting (16 Hrs.)		117,400	-	19,600	-	-	-	-
Generating/Passing Through		G		G	-	-	-	-
Major Origins/Destinations of Routes Using the Terminals		Ayala L. Guinto Pateros Crossing	-	Quiapo	-	-	-	-
Problems Encountered								
Traffic Congestion	Road Section	◦ J.P. Rizal, EDSA (Ramp)						
	Inter-section	◦ EDSA (Ramp)/J.P. Rizal						
Pedestrian Facilities		◦ Lack of sidewalk capacity along EDSA						
Deterioration of Road Facilities								
Accessibility in the Terminal among Modes		◦ Scattered Jeepney turning points within a 450-meter distance						
Roadside Usage								
Other Problems								

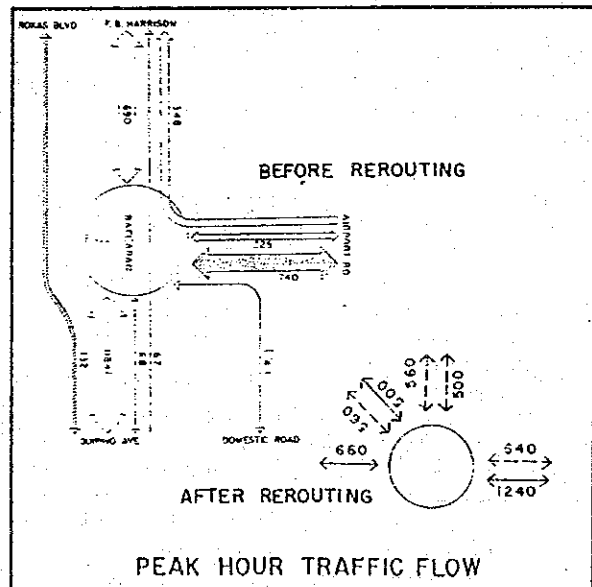
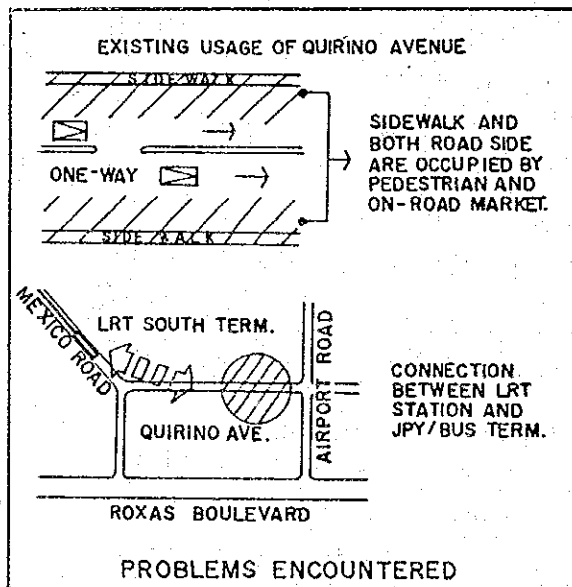
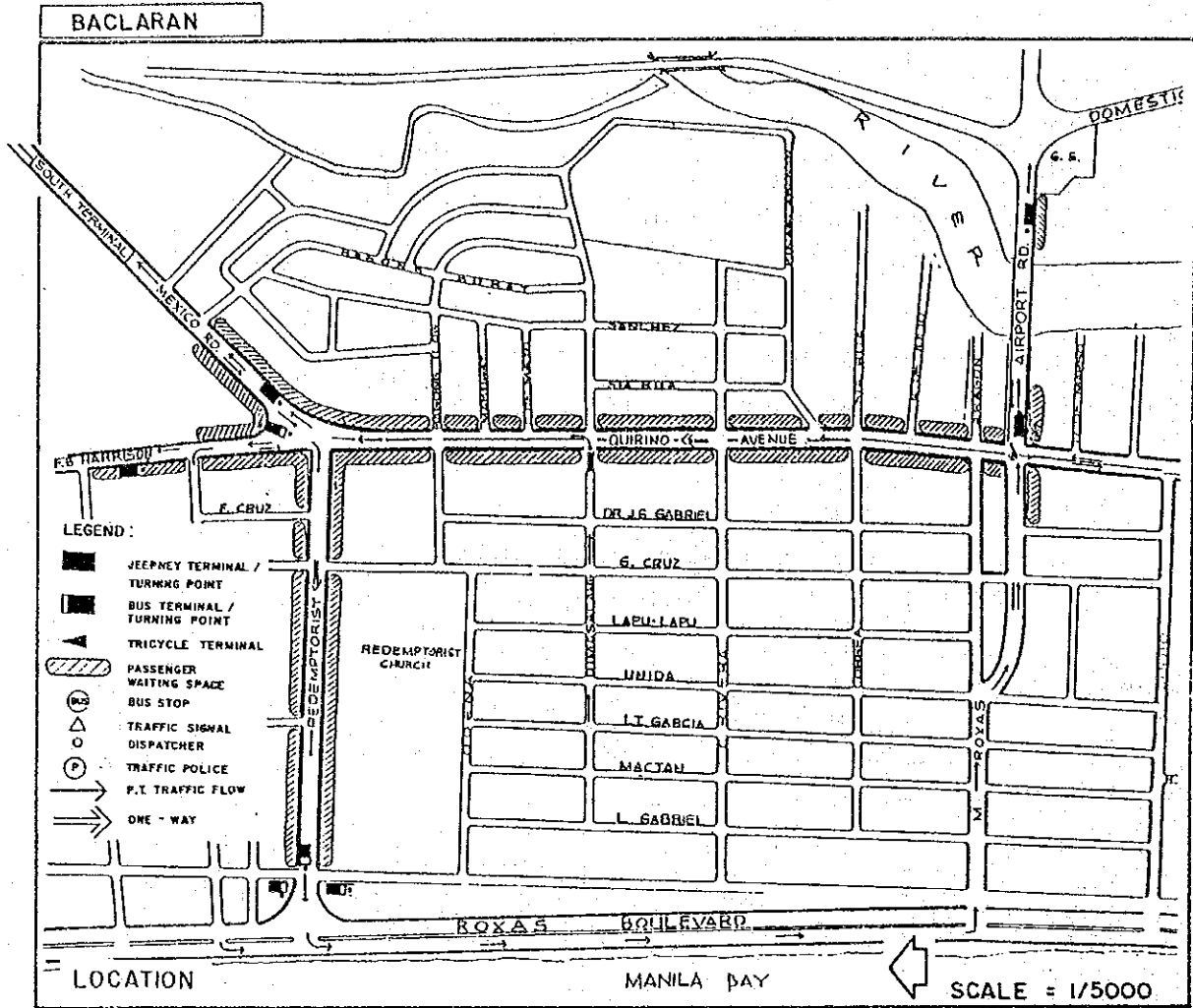
STA.MESA/STOP & SHOP



(App.12.1 cont'd.)

Appendix 12.1-L Sta. Mesa/Stop and Shop (Table)

STA.MESA/STOP & SHOP								
Location/Land Use/Facilities								
Location/Major Roads Related		East part of the area between Pres. Quirino and EDSA along R. Magsaysay						
Land Use of the Adjacent Area		Commercial/Residential (Market, Church)						
No. of Queuing/Waiting Jeepneys		Off-Road	-					
		On-Road	30					
Terminal Facilities		Roads	R. Magsaysay Blvd., Old Sta. Mesa					
		Pedestrian Facilities	Pedestrian Overpass (R. Magsaysay) Sidewalk					
		Other Related Facilities	PNR Sta. Mesa Station Bus Stop and Bay along R. Magsaysay					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		14	2	-	-	1	-	-
Frequency (one-way)	16 Hours	58,532	68	-	-	2,000	-	-
	Peak Hour	4,421	6	-	-	200	-	-
No. of Pass. Boarding /Alighting (16 Hrs.)		180,700	1,300	15,200	1,200	2,000	-	-
Generating/Passing Through		G.P.	G.	P.	P.	-	-	-
Major Origins/Destinations of Routes Using the Terminals		Pasig, Crossing, Divisoria, etc	Montalban, Angono	-	-	-	-	-
Problems Encountered								
Traffic Congestion	Road Section	° R. Magsaysay						
	Inter-section							
Pedestrian Facilities		° Lack of capacity of passenger waiting space along R. Magsaysay and old Sta. Mesa						
Deterioration of Road Facilities		° Service road of R. Magsaysay (poor)						
Accessibility in the Terminal among Modes								
Roadside Usage								
Other Problems								



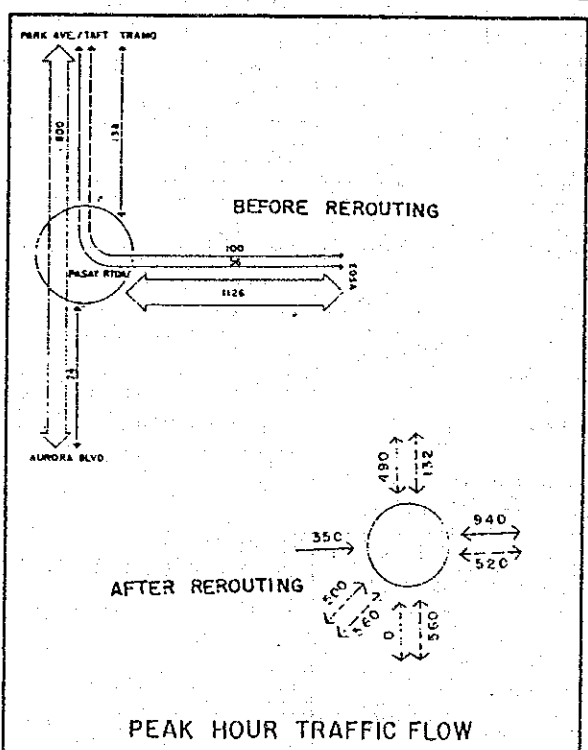
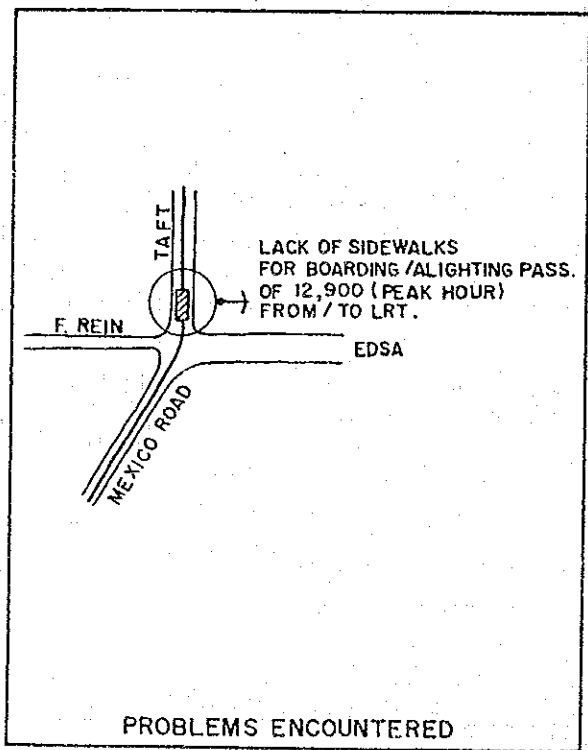
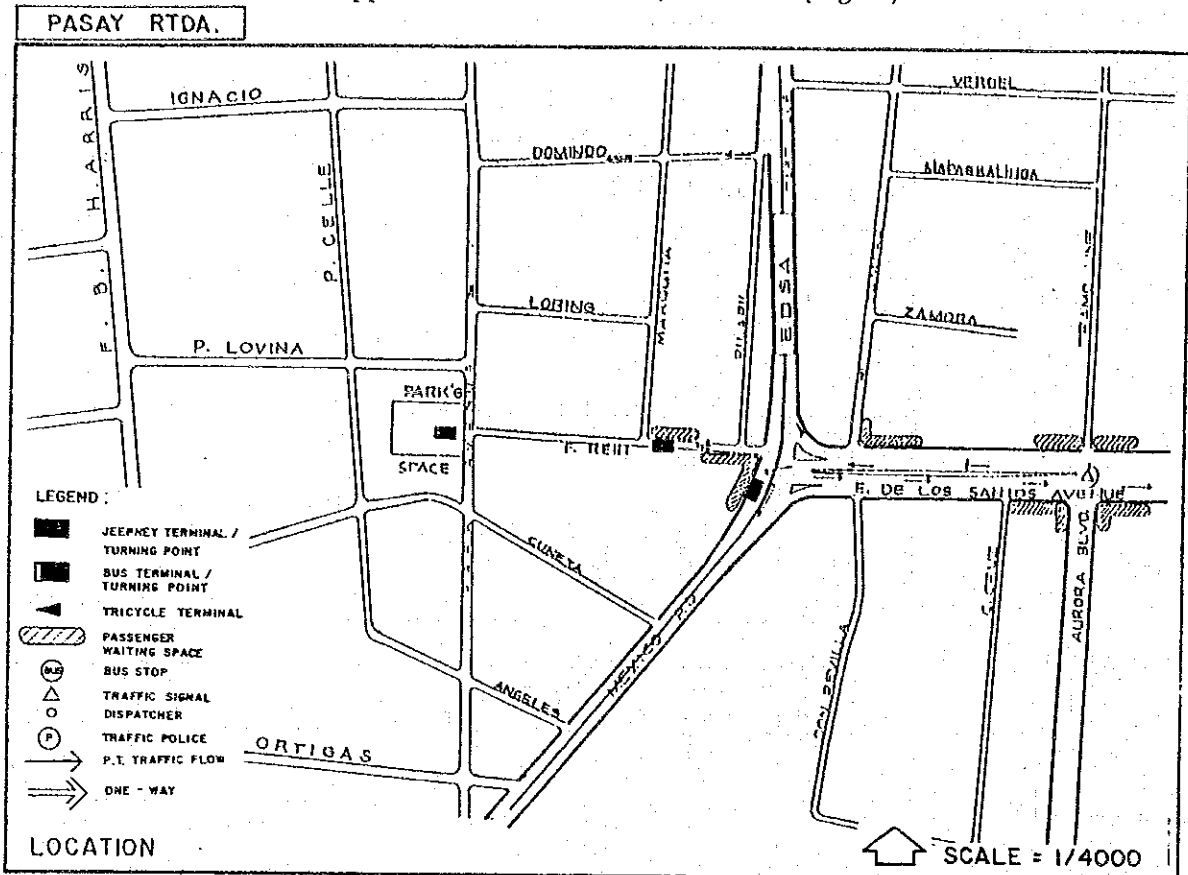
(App.12.1 cont'd.)

Appendix 12.1-M Baclaran (Table)

BACLARAN								
Location/Land Use/Facilities								
Location/Major Roads Related		Southern part of M. Manila along Quirino Avenue near Redemptorist Church						
Land Use of the Adjacent Area		Business/Commercial/Institutional (Redemptorist Church)						
No. of Queueing/Waiting Jeepneys		Off-Road	50					
		On-Road	15					
Terminal Facilities		Roads	Quirino Ave., T. Claudio, Airport Road, F.B. Harrison, Mexico Road					
		Pedestrian Facilities	Sidewalk					
		Other Related Facilities	Parking lot gas station Mini bus terminal LRT South terminal					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		57	8	19	7	-	-	1
Frequency (one-way)	16 Hours	24,621	1,079	5,622	464	-	-	
	Peak Hour	3,788	99	352	79	-	-	24
No. of Pass. Boarding/Alighting (16 Hrs.)		249,800	9,100	102,000	21,000	-	-	9,100
Generating/Passing Through		G	G	G	G	-	-	-
Major Origins/Destinations of Routes Using the Terminals		Kamuning Alabang Monumento Blumentritt	Cavite	Monumento Novaliches etc.	Cavite			
Problems Encountered								
Traffic Congestion	Road Section	° Quirino Avenue						
	Inter-section	° Quirino Ave./Airport Road, Quirino Ave./Mexico Road						
Pedestrian Facilities		° Lack of sidewalk width along Quirino Ave. compared to the pedestrian traffic volume.						
Deterioration of Road Facilities		° Quirino Ave. (Poor) Mexico Road (Very Poor)						
Accessibility in the Terminal among Modes		° Scattered jeepney turning points within a 800-meter distance ° Connection between LRT station and jeepney/bus terminal						
Roadside Usage		° Roadside occupied by shopping stalls along Quirino Avenue						
Other Problems		° Generated traffic from Redemptorist Church on Wednesday due to the Mass						

(App.12.1 cont'd.)

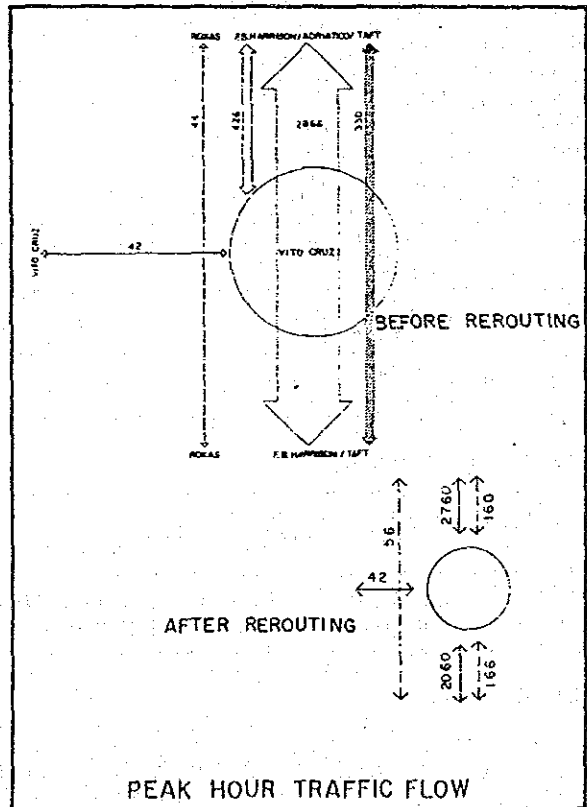
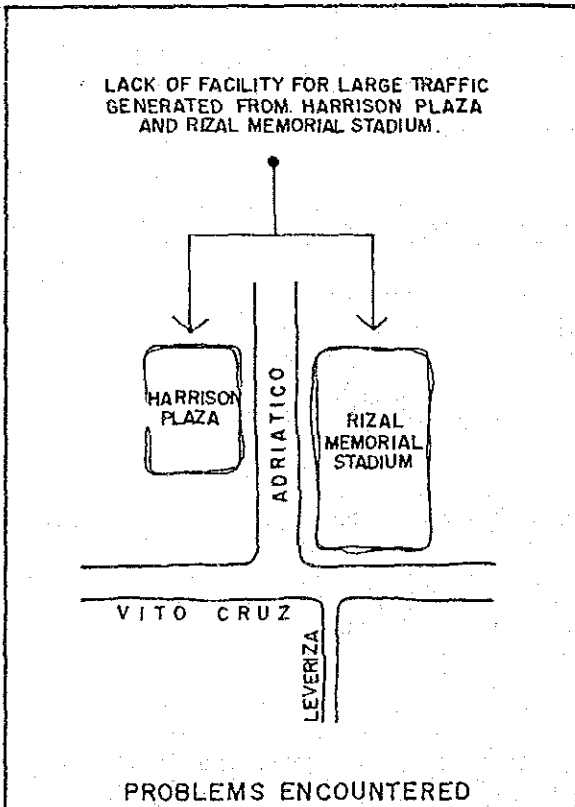
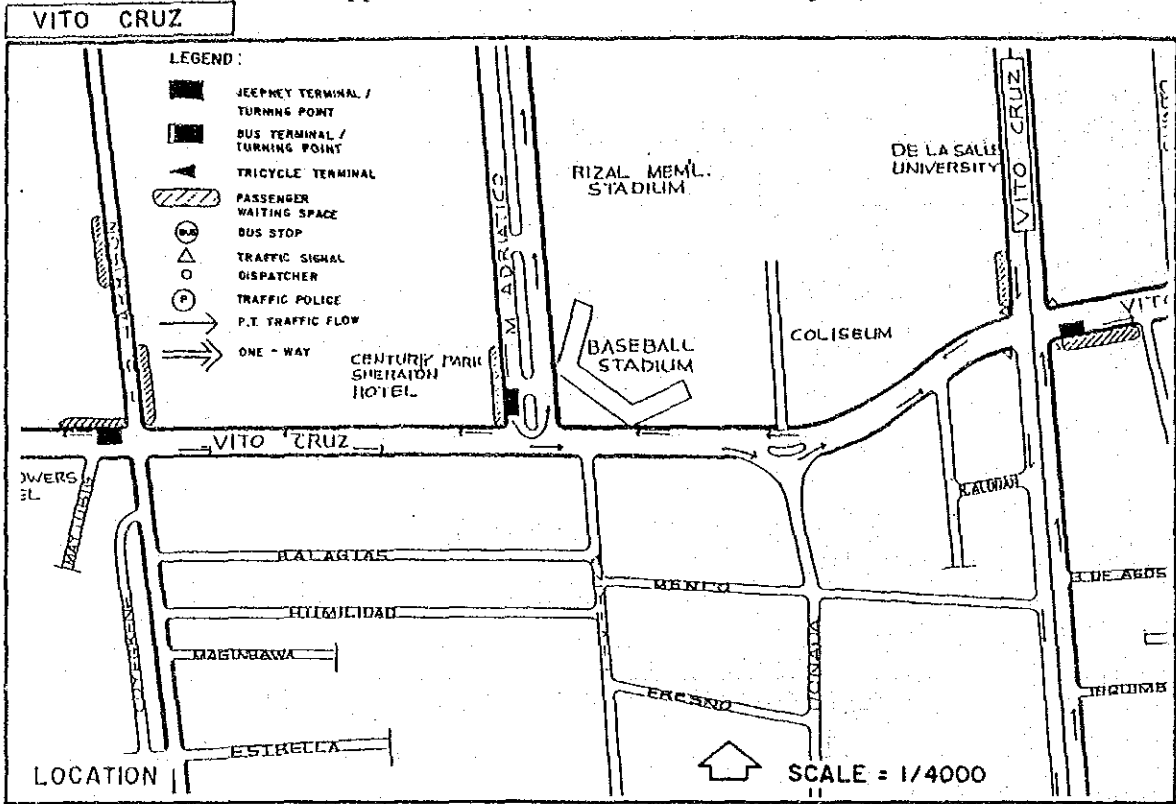
Appendix 12.1-N Pasay Rotonda (Figure)



(App.12.1 cont'd.)

Appendix 12.1-N Pasay Rotonda (Table)

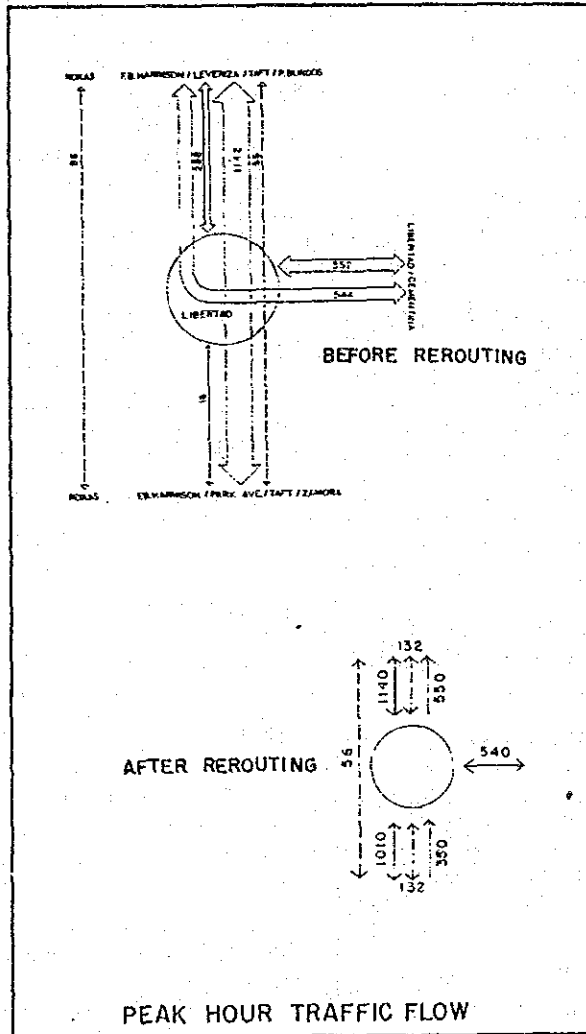
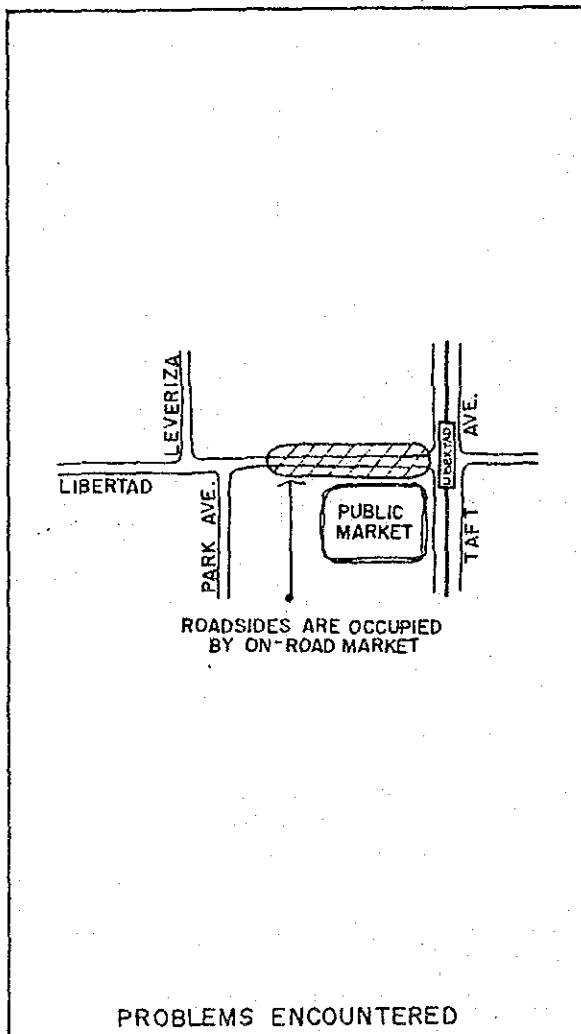
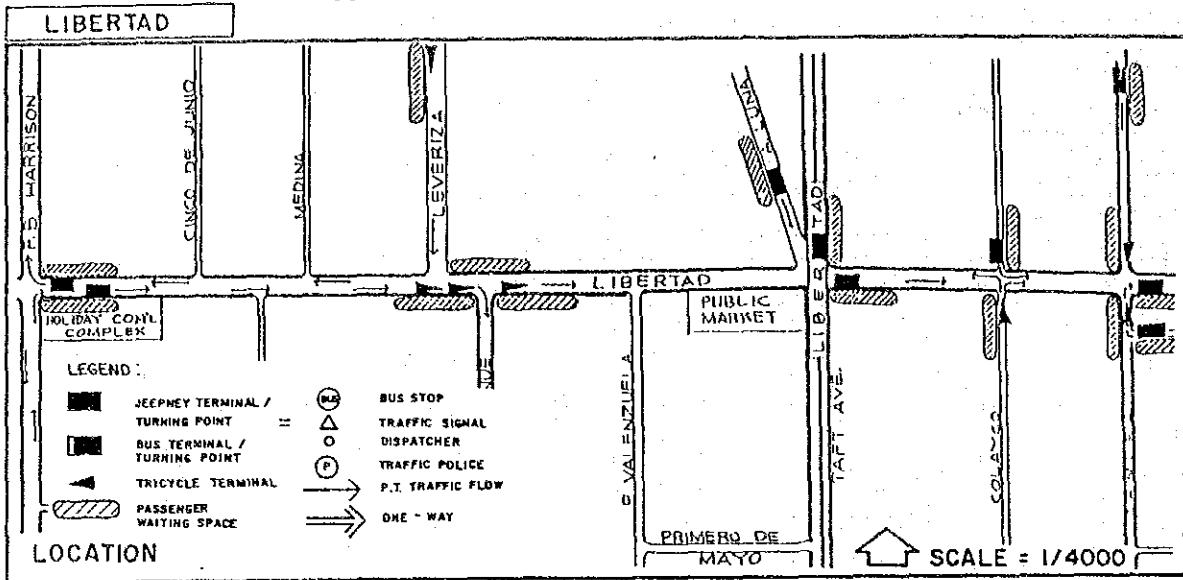
PASAY ROTONDA								
Location/Land Use/Facilities								
Location/Major Roads Related		Southern part of Metro Manila at the intersection of Taft Ave.&EDSA						
Land Use of the Adjacent Area		Commercial/Residential						
No. of Queueing/Waiting Jeepneys		Off-Road	20					
		On-Road	20					
Terminal Facilities		Roads	F. Rein					
		Pedestrian Facilities	Sidewalk					
		Other Related Facilities	Provincial Bus Terminals Parking Space LRT EDSA Terminal					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		50	12	-	-	1	-	1
Frequency (one-way)	16 Hours	14,554	3,646	-	-	1,800	-	-
	Peak Hour	3,030	251	-	-	180	-	24
No. of Pass. Boarding/Alighting (16 Hrs.)		107,200	7,400	5,000	-	5,400	-	12,900
Generating/Passing Through		G.	G.	P.	-	-	-	-
Major Origins/Destinations of Routes Using the Terminals		Monumento Blumentritt Proj. 2 & 3 Alabang etc.	Biñan Gen. Alvarez	-	-	-	-	-
Problems Encountered								
Traffic Congestion	Road Section	° Taft Avenue						
	Inter-section	° EDSA/Taft Avenue						
Pedestrian Facilities		° Lack of waiting facility and sidewalks for boarding/alighting passengers of 12,900 (peak hour) from/to LRT.						
Deterioration of Road Facilities								
Accessibility in the Terminal among Modes		° Connection between LRT station and jeepney terminals.						
Roadside Usage								
Other Problems								



(App.12.1 cont'd.)

Appendix 12.1-O Vito Cruz (Table)

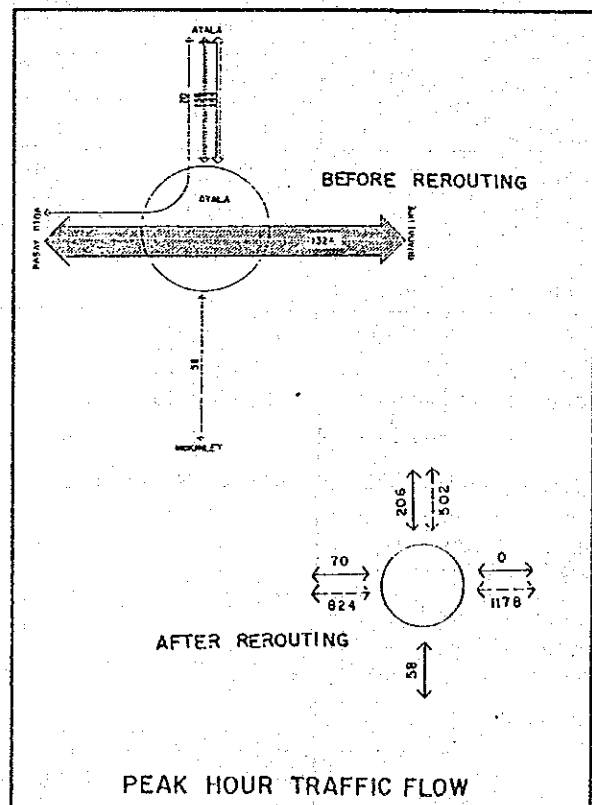
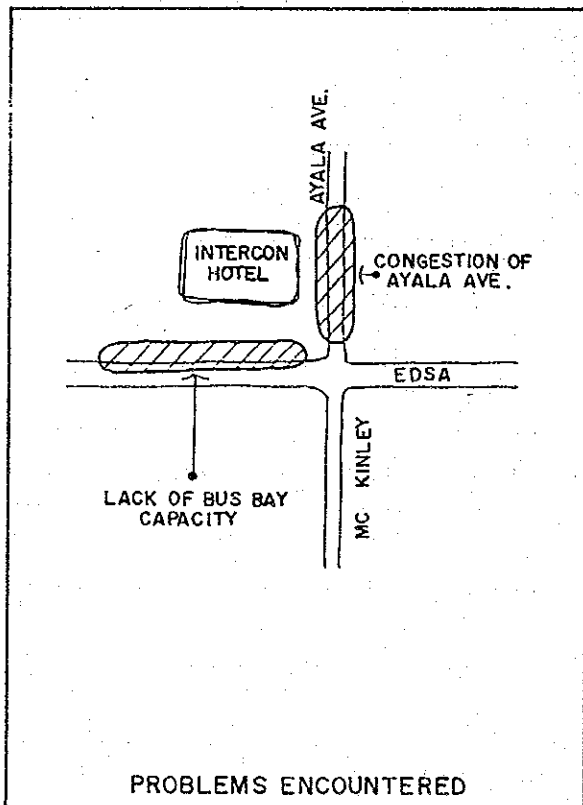
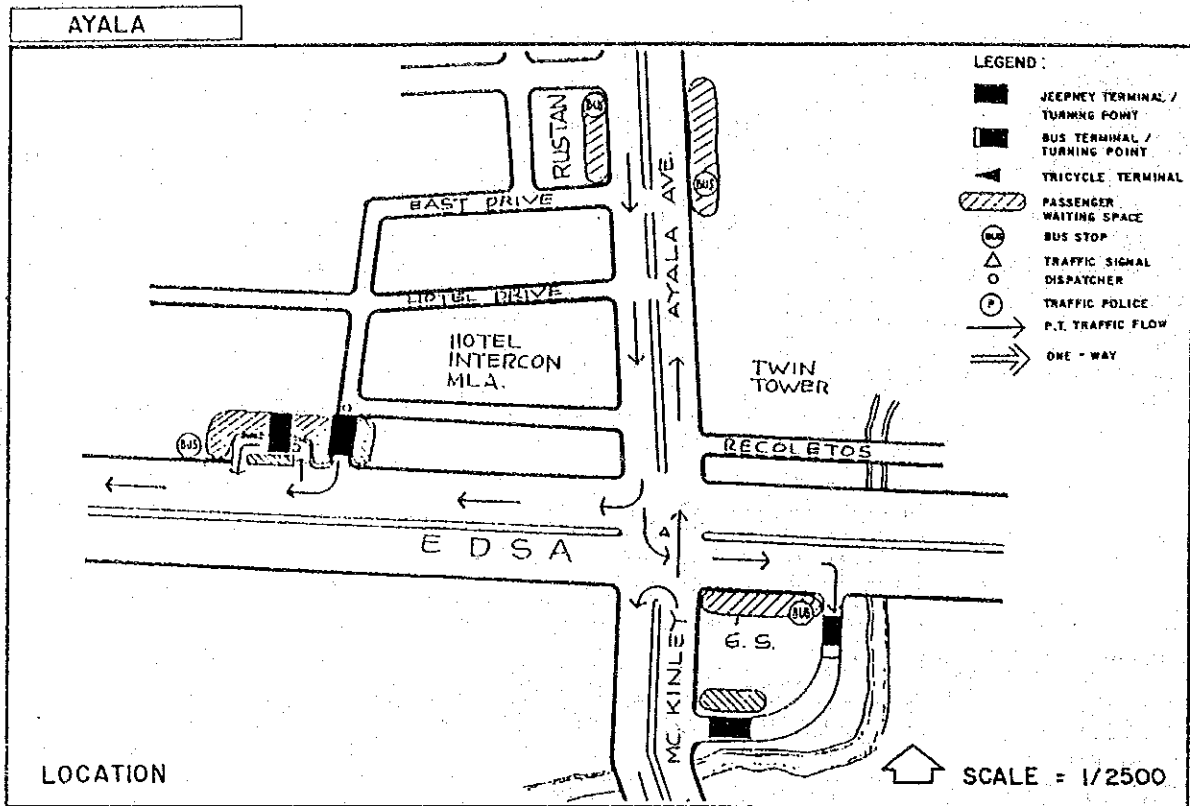
VITO CRUZ								
Location/Land Use/Facilities								
Location/Major Roads Related		In the south of Manila City between Pres. Quirino and Buendia near Harrison Plaza and Rizal Memorial Stadium						
Land Use of the Adjacent Area		Residential/Commercial (Harrison Plaza, Rizal Memorial Stadium)						
No. of Queueing/Waiting Jeepneys		Off-Road	-					
		On-Road	20					
Terminal Facilities		Roads	Vito Cruz, F.B. Harrison, Adriatico					
		Pedestrian Facilities	Sidewalk					
		Other Related Facilities	LRT Vito Cruz Station					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		46	-	-	-	-	-	1
Frequency (one-way)	16 Hours	24,300	-	-	-	-	-	-
	Peak Hour	2,706	-	-	-	-	-	24
No. of Pass, Boarding /Alighting (16 Hrs.)		64,600	-	2,800	300	-	-	3,100
Generating/Passing Through		P	-	P	P	-	-	-
Major Origins/Destinations of Routes Using the Terminals		Blumentritt Cubao Proj. 8 Proj. 2 & 3 etc.	-	-	-	-	-	-
Problems Encountered								
Traffic Congestion	Road Section	° F. B. Harrison, Vito Cruz						
	Inter-section	° Vito Cruz/Leveriza						
Pedestrian Facilities								
Deterioration of Road Facilities		° Leveriza, Lack of drainage system at the corner of Taft Avenue (poor) and Vito Cruz						
Accessibility in the Terminal among Modes		° Scattered jeepney turning point within a 700-meter distance ° Connection between LRT terminal and jeepney terminals.						
Roadside Usage								
Other Problems		° Lack of facility for large traffic generated from Harrison Plaza and Rizal Memorial Stadium.						



(App.12.1 cont'd.)

Appendix 12.1-P Libertad (Table)

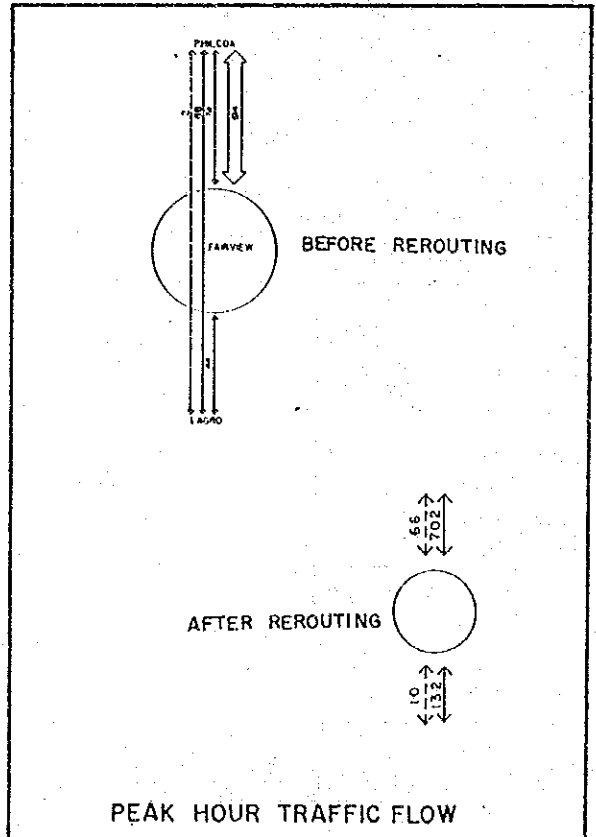
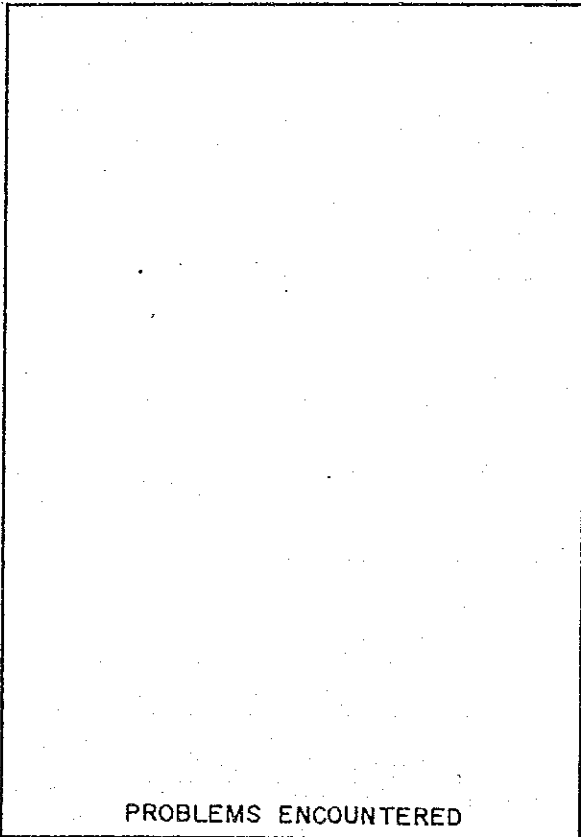
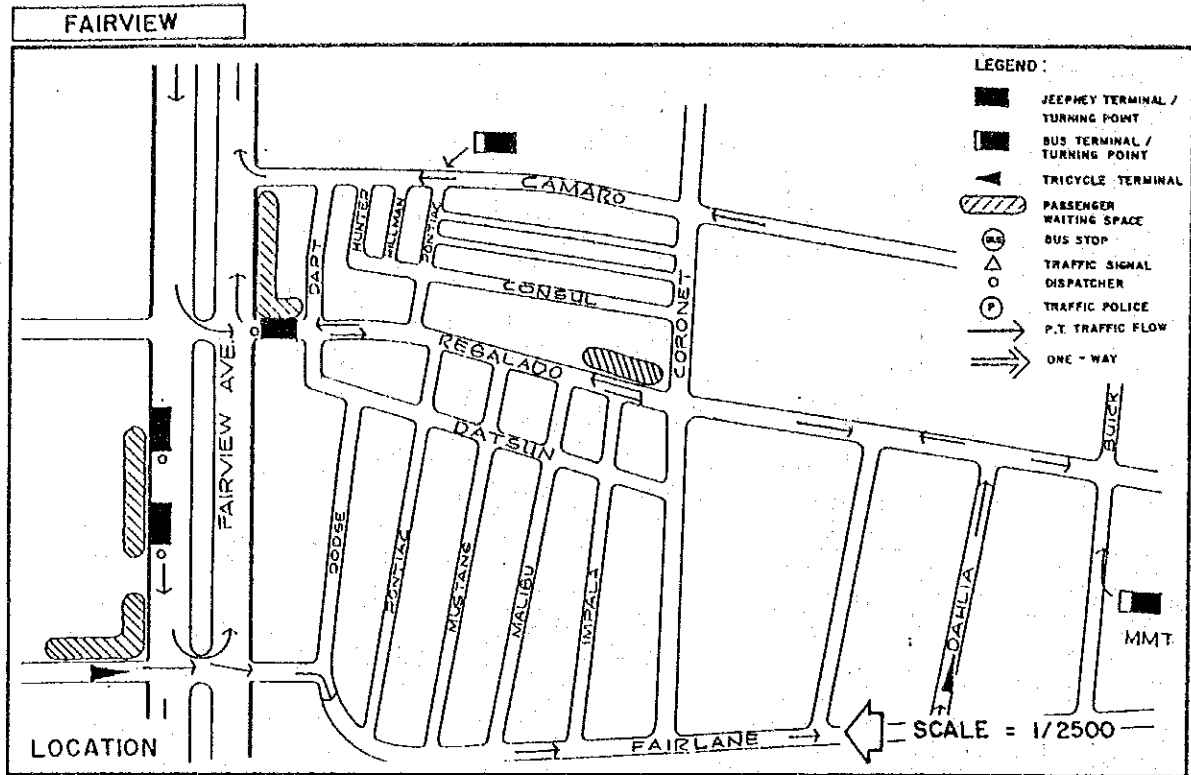
LIBERTAD								
Location/Land Use/Facilities								
Location/Major Roads Related		Central part of Pasay City between Buendia and EDSA along Libertad						
Land Use of the Adjacent Area		Commercial (Public Market)						
No. of Queuing/Waiting Jeepneys		Off-Road	-					
		On-Road	40					
Terminal Facilities		Roads	Libertad, Leveriza, Zamora					
		Pedestrian Facilities	Sidewalk					
		Other Related Facilities	LRT Libertad Station					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		20	5	-	-	1	-	1
Frequency (one-way)		16 Hours	13,115	185	-	-	2,250	-
		Peak Hour	4,736	15	-	-	225	-
No. of Pass. Boarding /Alighting (16 Hrs.)		232,700	2,700	4,800	-	4,500	-	3,700
Generating/Passing Through		G	G	P	-	-	-	-
Major Origins/Destinations of Routes Using the Terminals		Monumento Blumentritt, Cubao Evangelista	Gen. Alvarez Biñan etc.	-	-	-	-	-
Problems Encountered								
Traffic Congestion		Road Section	° Libertad, Leveriza					
		Inter-section	° Libertad/Leveriza, Taft Ave./Libertad					
Pedestrian Facilities		° Lack of sidewalk capacity along Libertad						
Deterioration of Road Facilities		° Scattered jeepney turning points within a 700 meter distance ° Connection between LRT Station and jeepney terminal						
Accessibility in the Terminal among Modes								
Roadside Usage		° On-road marker along Libertad near Taft Avenue						
Other Problems								



(App.12.1 cont'd.)

Appendix 12.1-Q Ayala (Table)

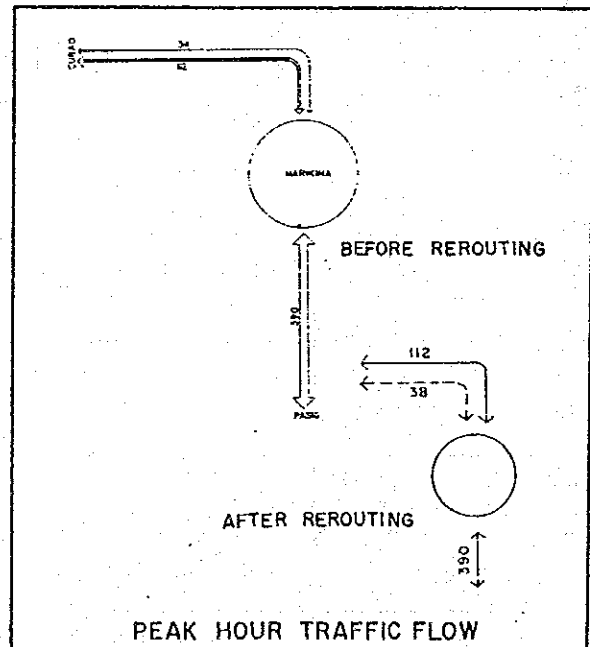
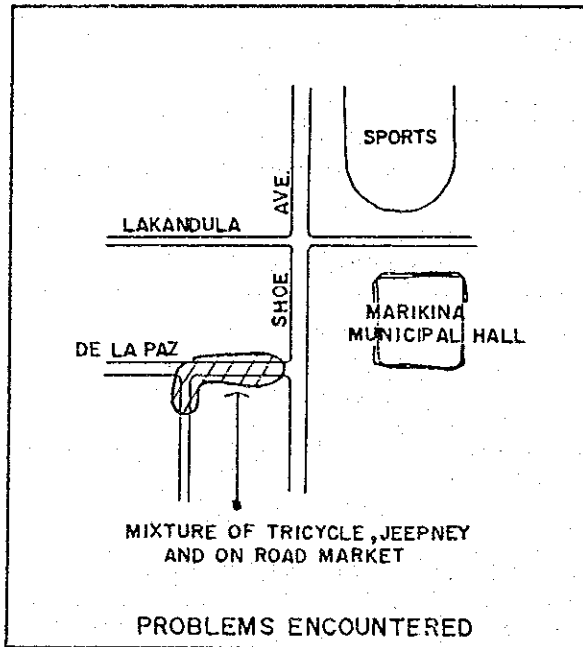
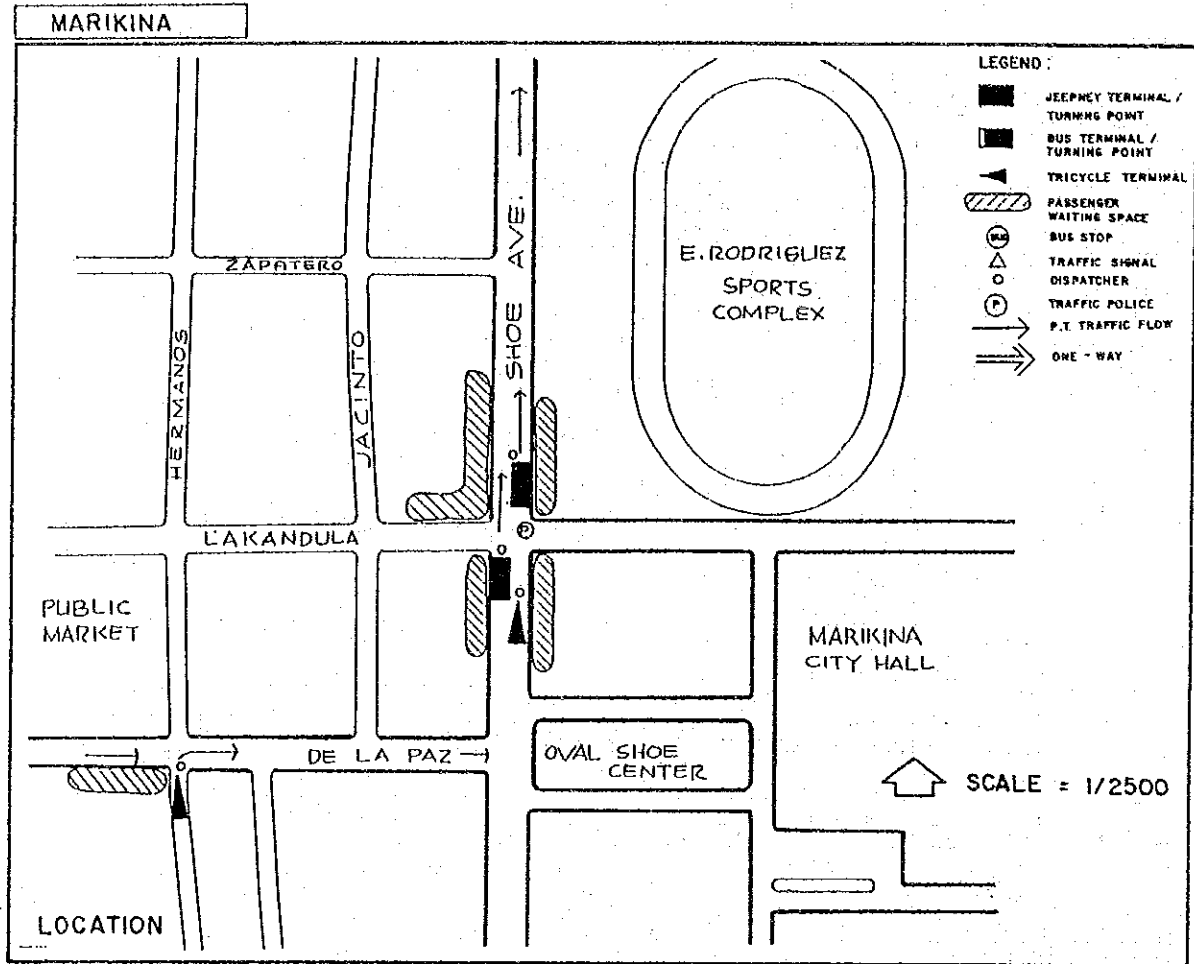
AYALA								
Location/Land Use/Facilities								
Location/Major Roads Related		Center of Makati Business District near the intersection of EDSA and Ayala Ave.						
Land Use of the Adjacent Area		Commercial Area (Makati Commercial Center) surrounded by Business Facilities						
No. of Queueing/Waiting Jeepneys		Off-Road	-					
		On-Road	25					
Terminal Facilities		Roads	EDSA, McKinley, Ayala					
		Pedestrian Facilities	Sidewalk					
		Other Related Facilities	<input type="checkbox"/> Bus Terminal <input type="checkbox"/> Gas Station <input type="checkbox"/> Bus Stop/Bay					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		6	-	4	-	-	-	-
Frequency (one-way)		16 Hours	500	-	405	-	-	-
		Peak Hour	29	-	28	-	-	-
No. of Pass. Boarding /Alighting (16 Hrs.)		3,200	-	21,500	-	-	-	-
Generating/Passing Through		G	-	G	P	-	-	-
Major Origins/Destinations of Routes Using the Terminals		Mantrade Washing-ton, etc.	-	Quiapo Monumento FTI, etc.	-	-	-	-
Problems Encountered								
Traffic Congestion		Road Section	° Ayala Ave.					
		Inter-section	° EDSA/Ayala Ave.					
Pedestrian Facilities		° Lack of waiting space for Public Transport Passenger along EDSA						
Deterioration of Road Facilities								
Accessibility in the Terminal among Modes								
Roadside Usage								
Other Problems		° Bus bays occupied by jeepney (along EDSA)						



(App.12.1 cont'd.)

Appendix 12.1-R Fairview (Table)

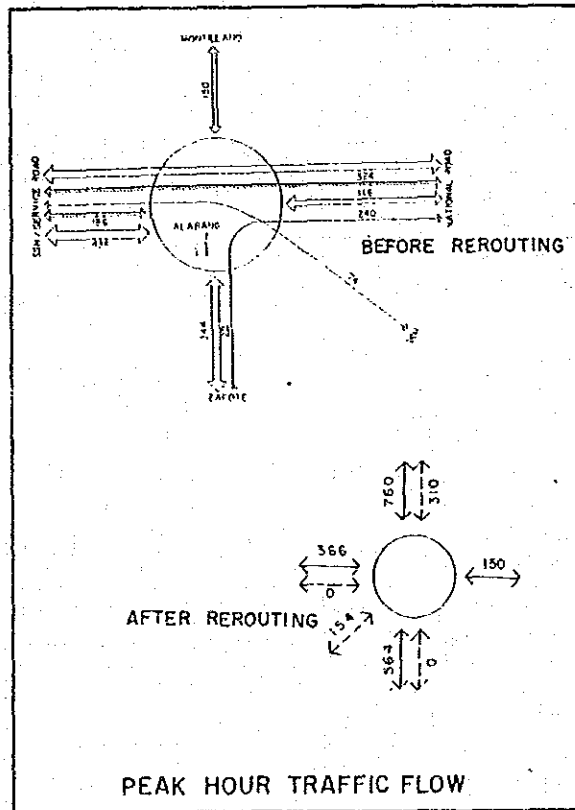
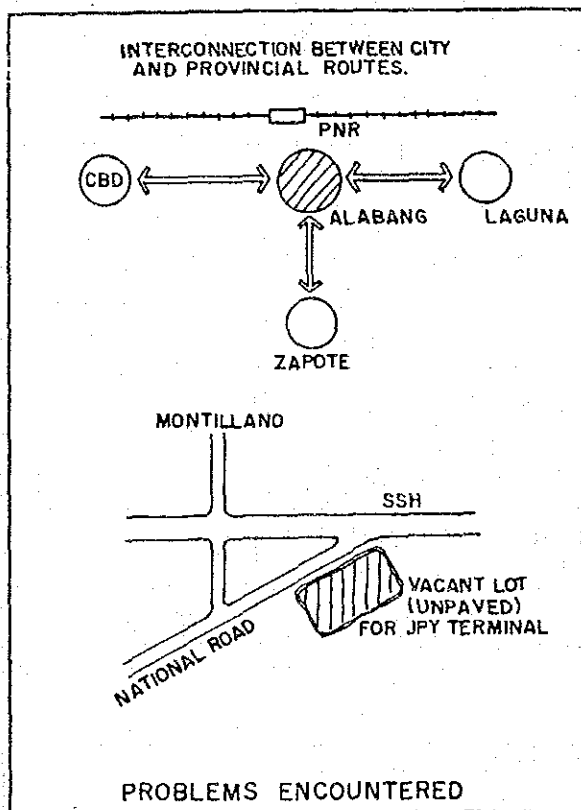
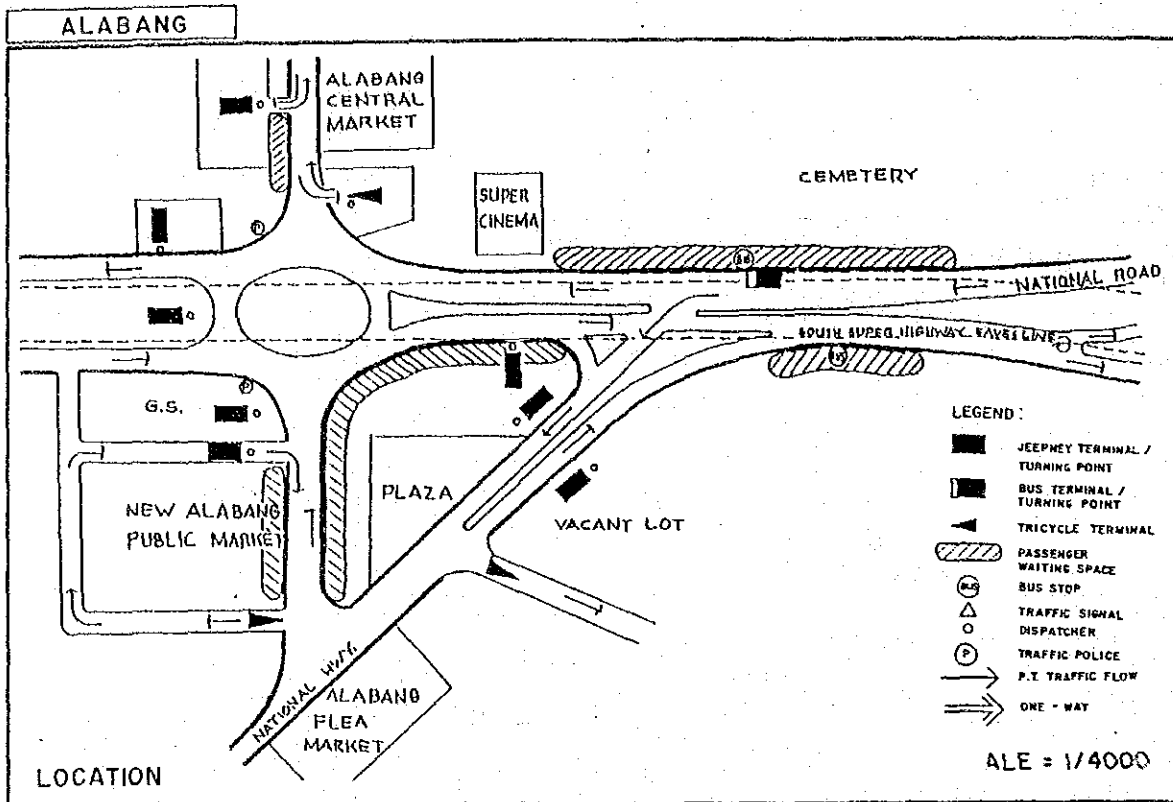
FAIRVIEW								
Location/Land Use/Facilities								
Location/Major Roads Related		Northwest part of Quezon City near Novaliches Reservoir						
Land Use of the Adjacent Area		Residential (Subdivision)						
No. of Queueing/Waiting Jeepneys		Off-Road	-					
		On-Road	25					
Terminal Facilities		Roads	Fairview Avenue, Regalado					
		Pedestrian Facilities	Sidewalk					
		Other Related Facilities	Bus Terminal of MMTC					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		13	-	9	-	1	-	-
Frequency (one-way)	16 Hours	5,200	-	429	-	480	-	-
	Peak Hour	362	-	39	-	48	-	-
No. of Pass. Boarding/Alighting (16 Hrs.)		29,600	-	1,500	-	1,440	-	-
Generating/Passing Through		G	-	G	-			
Major Origins/Destinations of Routes Using the Terminals		Cubao Quiapo Pier V. Cruz	-	Cubao Alabang FTI etc.				
Problems Encountered								
Traffic Congestion	Road Section							
	Inter-section							
Pedestrian Facilities								
Deterioration of Road Facilities								
Accessibility in the Terminal among Modes								
Roadside Usage								
Other Problems								



(App.12.1 cont'd.)

Appendix 12.1-S Marikina (TP) (Table)

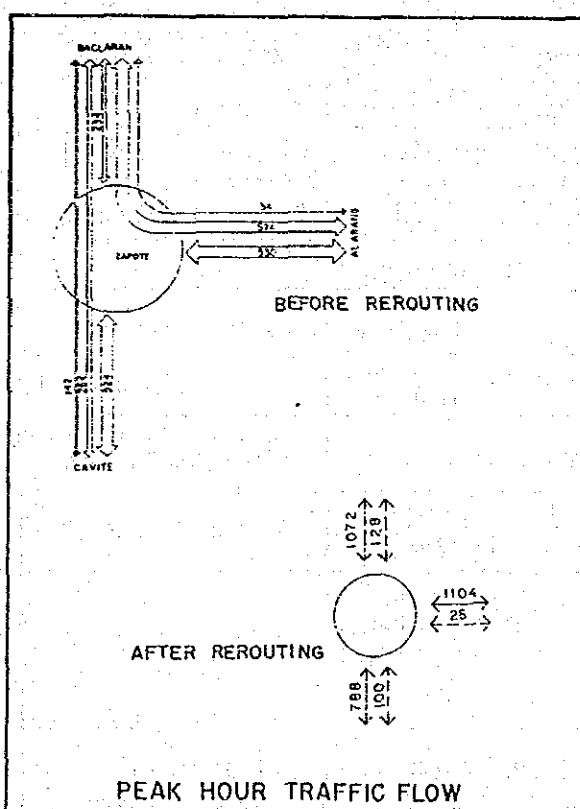
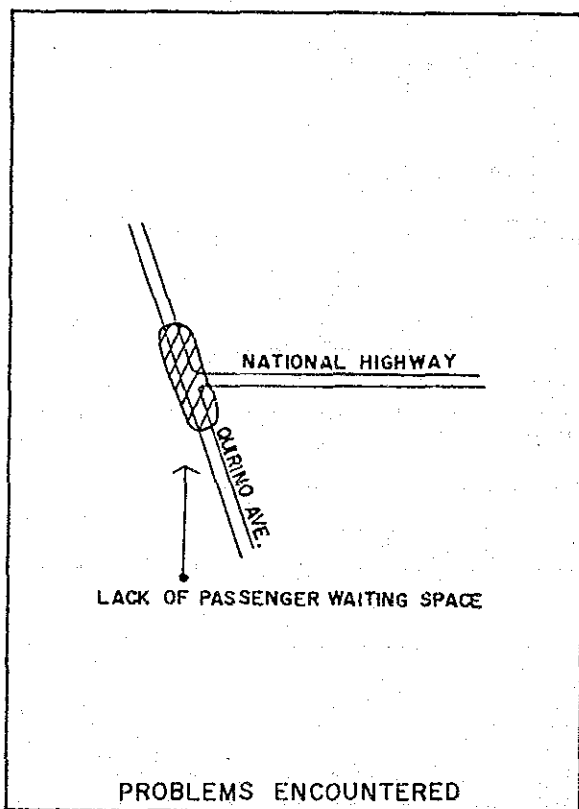
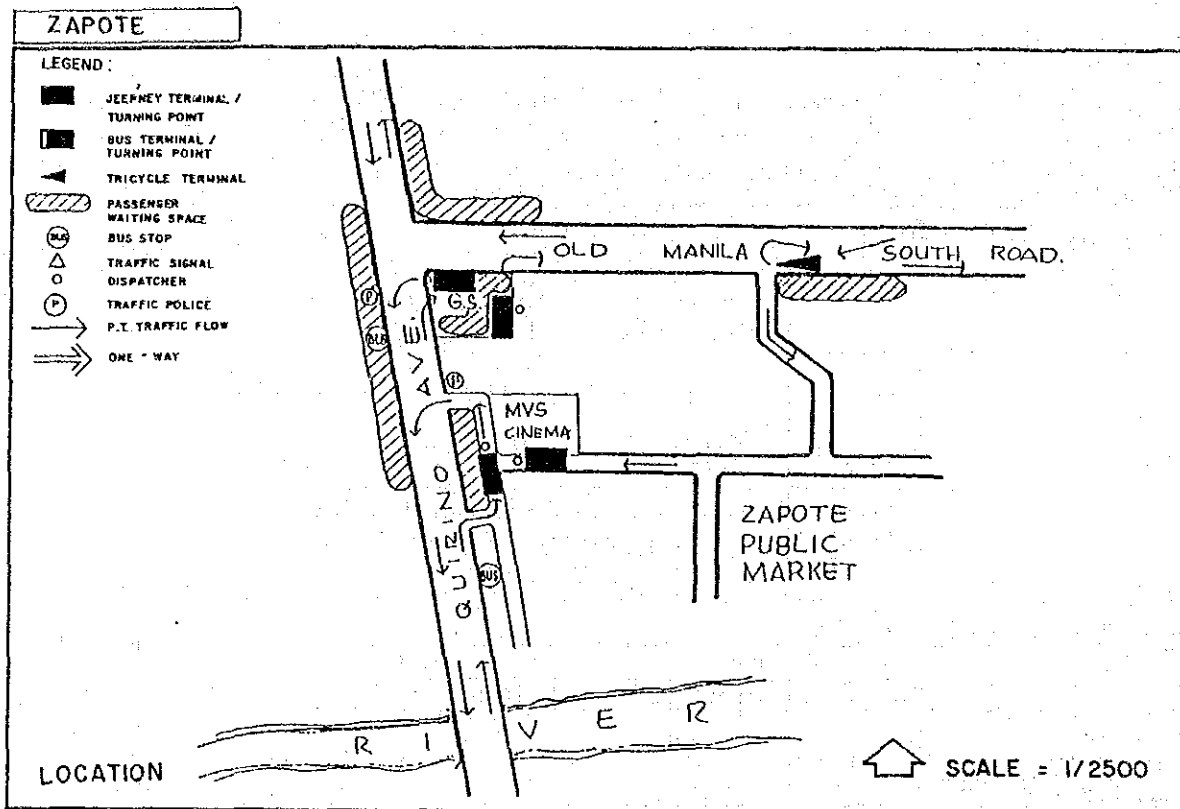
MARIKINA (TP)									
Location/Land Use/Facilities									
Location/Major Roads Related		East of Cubao in Marikina Valley							
Land Use of the Adjacent Area		Institutional/Commercial (Marikina Municipal Hall, Rodriguez Sport Complex)							
No. of Queueing/Waiting Jeepneys		Off-Road							
		On-Road		10					
Terminal Facilities		Roads		Shoe Ave., De la Paz					
		Pedestrian Facilities		Sidewalk					
		Other Related Facilities							
Route Characteristics/Traffic									
Items		Jeepney		Bus		Tricycle	PNR	LRT	
		Intracity	Intercity	Intracity	Intercity				
No. of Routes		10	6	4	-	3	-	-	
Frequency (one-way)		16 Hours	2,207	493	135	-	5,175	-	-
		Peak Hour	141	47	11	-	518	-	-
No. of Pass. Boarding /Alighting (16 Hrs.)		11,700	1,500	2,400	-	14,350	-	-	
Generating/Passing Through		G	G	G	-	-	-	-	
Major Origins/Destinations of Routes Using the Terminals		Pasig Cubao Stop & Shop Kalaw	Cogeo Montalban San Mateo etc.	Divisoria etc					
Problems Encountered									
Traffic Congestion		Road Section	° Dela Paz						
		Inter-section	° De la Paz/De la Paz						
Pedestrian Facilities		° Lack of waiting space for jeepney passengers							
Deterioration of Road Facilities									
Accessibility in the Terminal among Modes									
Roadside Usage		° Roadside of De la Paz are occupied by on-road market							
Other Problems		° Traffic Congestion due to the mixture of tricycle and other public transport traffic.							



(App.12.1 cont'd.)

Appendix 12.1-T Alabang (Table)

ALABANG								
Location/Land Use/Facilities								
Location/Major Roads Related		Southern part of Metro Manila near the Boundary with Laguna at the intersection of SSH and National Highway.						
Land Use of the Adjacent Area		Commercial surrounded by Residential (Public Market Subdivision)						
No. of Queuing/Waiting Jeepneys		Off-Road	60 (tricycle 20)					
		On-Road	70					
Terminal Facilities		Roads	Service road of SSH, National Road					
		Pedestrian Facilities	Sidewalk					
		Other Related Facilities	<ul style="list-style-type: none"> ◦ Vacant lot along the roads ◦ Gas Station 					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		15	3	14	-	3	-	-
Frequency (one-way)	16 Hours	3,003	1,197	1,097	-	4,650	-	-
	Peak Hour	200	120	103	-	465	-	-
No. of Pass. Boarding /Alighting (16 Hrs.)		52,700	9,000	49,400	15,000	13,800	-	-
Generating/Passing Through		G	G	G	P			
Major Origins/Destinations of Routes Using the Terminals		Bagumbayan, Pasay Rtda, Zapote etc.	Binan, etc.	Ayala, Monumento, Lagro, Fairview	Laguna, Batangas etc.	-	-	-
Problems Encountered								
Traffic Congestion	Road Section							
	Inter-section	◦ Service road of SSH/National Road						
Pedestrian Facilities		◦ Pedestrian Crossing on Service Road of SSH						
Deterioration of Road Facilities		◦ Lack of drainage system on traffic island between service road of SSH and National Road						
Accessibility in the Terminal among Modes		◦ Jeepney turning points are scattered in the Terminal area within a 300-meter distance						
Roadside Usage								
Other Problems								

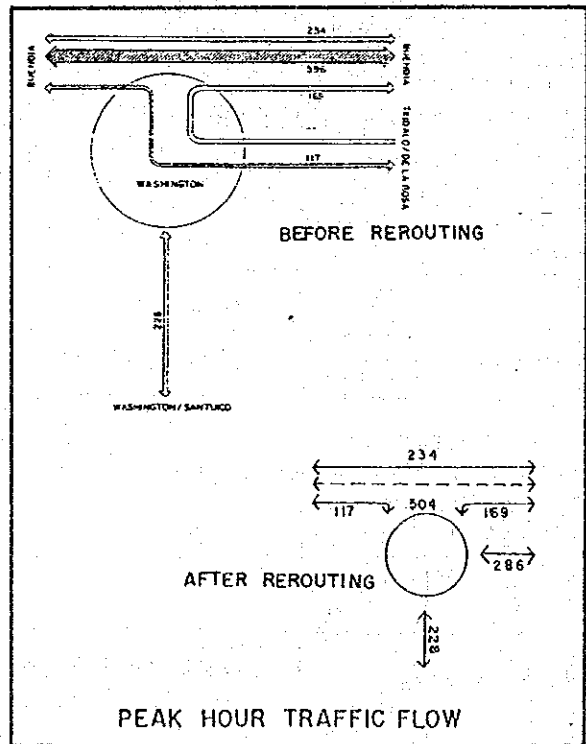
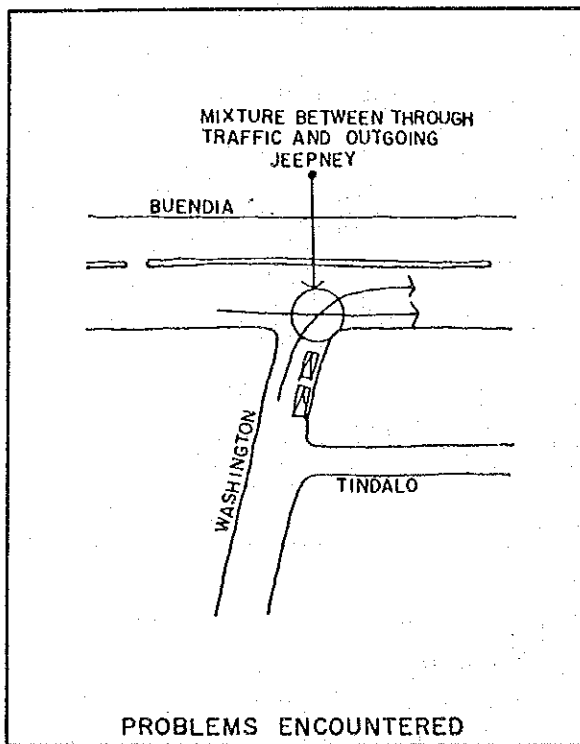
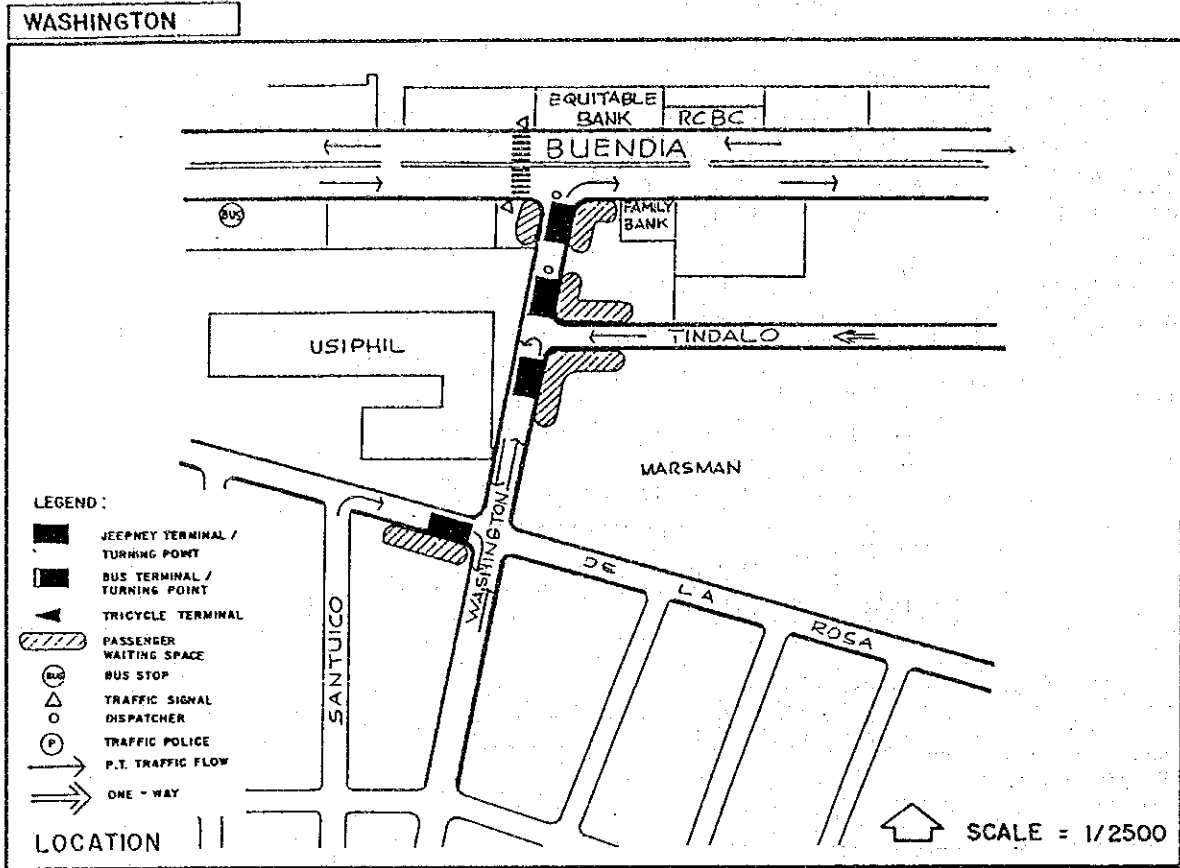


(App.12.1 cont'd.)

Appendix 12.1-U Zapote (Table)

ZAPOTE								
Location/Land Use/Facilities								
Location/Major Roads Related		Southwest part of Metro Manila near the boundary with Cavite at the intersection of Quirino Ave. and National Road						
Land Use of the Adjacent Area		Commercial (Public Market)						
No. of Queueing/Waiting Jeepneys		Off-Road	30					
		On-Road						
Terminal Facilities		Roads	Quirino Ave., National Road					
		Pedestrian Facilities	Sidewalk					
		Other Related Facilities	Parking area of the public market Gas Station					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		1	7	-	-	1	-	-
Frequency (one-way)	16 Hours	2,316	3,783	-	-	300	-	-
	Peak Hour	177	183	-	-	30	-	-
No. of Pass. Boarding /Alighting (16 Hrs.)		30,500	41,500	-	59,400	600	-	-
Generating/Passing Through		G	P	-	P	-	-	-
Major Origins/Destinations of Routes Using the Terminals		Alabang Baclaran etc.	Bacoor Cavite etc.	-	Cavite etc.	-		
Problems Encountered								
Traffic Congestion	Road Section	° Quirino Avenue						
	Inter-section	° Quirino Avenue/National Road						
Pedestrian Facilities		° Lack of waiting space for passengers along Quirino Avenue						
Deterioration of Road Facilities		° Quirino Avenue (Poor)						
Accessibility in the Terminal among Modes								
Roadside Usage								
Other Problems								

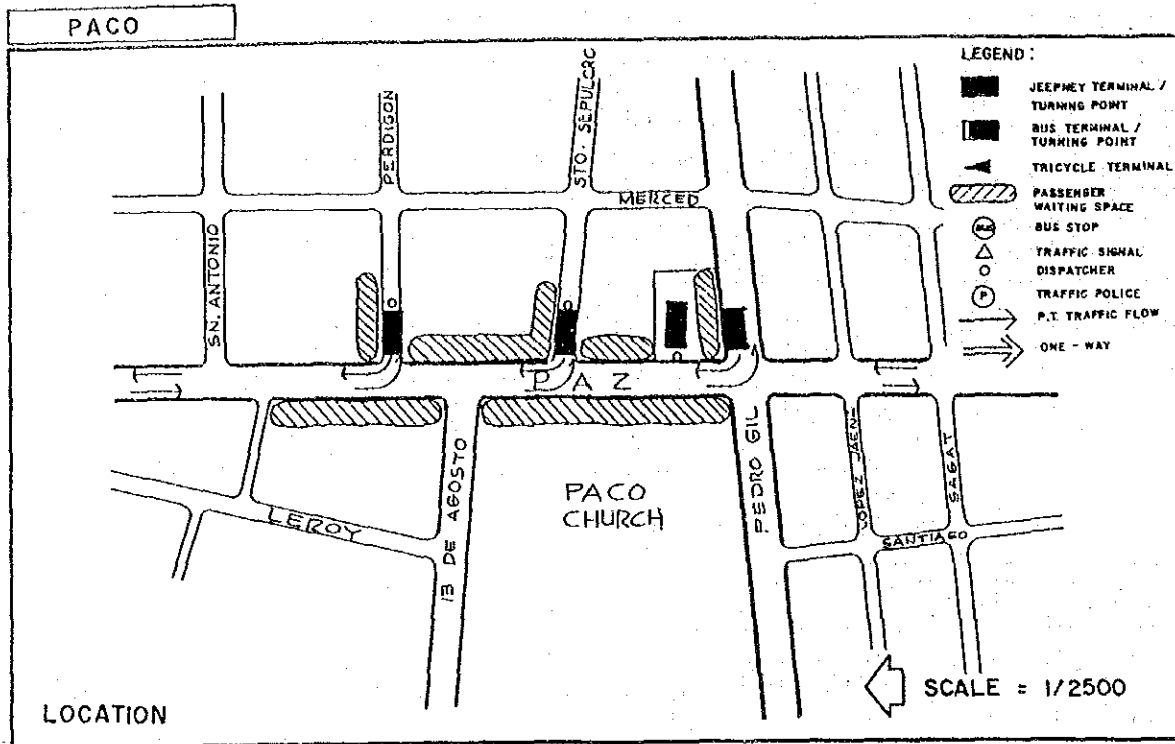
Appendix 12.1-V Washington (Figure)



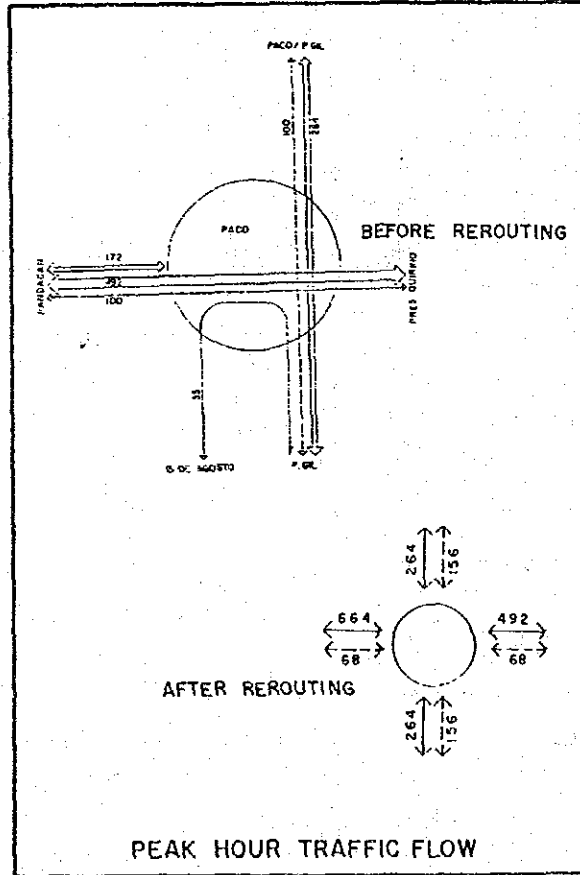
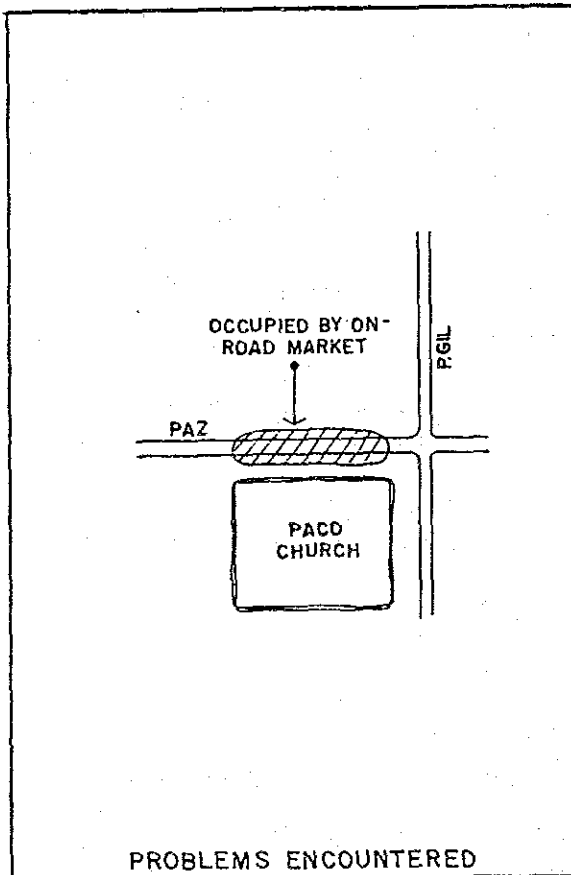
(App.12.1 cont'd.)

Appendix 12.1-V Washington (Table)

WASHINGTON								
Location/Land Use/Facilities								
Location/Major Roads Related		Southeast part of M. Manila along Buendia near Makati Commercial Center						
Land Use of the Adjacent Area		Business/Commercial						
No. of Queueing/Waiting Jeepneys		Off-Road	-					
		On-Road	20					
Terminal Facilities		Roads	Washington, De la Rosa, Tindalo					
		Pedestrian Facilities	Sidewalk Pedestrian Crossing on Buendia					
		Other Related Facilities	PNR Buendia Station Bus Turning Point					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		4	-	27	-	1	-	-
Frequency (one-way)	16 Hours	15,700	-	1,694	-	4,000		
	Peak Hour	1,225	-	151	-	400		
No. of Pass. Boarding/Alighting (16 Hrs.)		52,100	-	3,660	-	8,000		
Generating/Passing Through		G	-	P	-	-		
Major Origins/Destinations of Routes Using the Terminals		Bel Air Ayala Mantrade etc.		Quiapo Monumento etc.		-	-	
Problems Encountered								
Traffic Congestion	Road Section	° Washington						
	Inter-section	° Washington/Tindalo						
Pedestrian Facilities								
Deterioration of Road Facilities								
Accessibility in the Terminal among Modes								
Roadside Usage		° Illegal roadside parking (Tindalo)						
Other Problems								



LOCATION



(App.12.1 cont'd.)

Appendix 12.1-W Paco (Table)

PACO								
Location/Land Use/Facilities								
Location/Major Roads Related		Southeast part of the Area inside Pres. Quirino at the corner of Pedro Gil and Paz						
Land Use of the Adjacent Area		Commercial Area (Public Market and Paco Church)						
No. of Queuing/Waiting Jeepneys		Off-Road	-					
		On-Road	65					
Terminal Facilities		Roads	P. Gil, Sto. Sepulcro, Perdigon					
		Pedestrian Facilities	Sidewalk					
		Other Related Facilities	Gas Station					
Route Characteristics/Traffic								
Items		Jeepney		Bus		Tricycle	PNR	LRT
		Intracity	Intercity	Intracity	Intercity			
No. of Routes		2	-	-	-	-	-	-
Frequency (one-way)		16 Hours	300	-	-	-	-	-
		Peak Hour	28	-	-	-	-	-
No. of Pass. Boarding /Alighting (16 Hrs.)		1,200	-	1,000	-	-	-	-
Generating/Passing Through		P	-	P	-	-	-	-
Major Origins/Destinations of Routes Using the Terminals		Kansas P. Faura Pier Naqtahan	-	-	-	-	-	-
Problems Encountered								
Traffic Congestion		Road Section	° P. Gil, Paz					
		Inter-section	° Paz/P. Gil					
Pedestrian Facilities		° Lack of Sidewalk capacity along P. Gil						
Deterioration of Road Facilities		° Paz (poor)						
Accessibility in the Terminal among Modes								
Roadside Usage		° On-road market in front of Paco Church						
Other Problems								

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. _____ D. _____ VIA _____ DIR. _____	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	TOTAL	O. _____ D. _____ VIA _____ DIR. _____	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	TOTAL
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 SHIFT	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 SHIFT	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 13.4

Bus/Mini Bus Traffic Count Survey Sheet

SHEET NO.

STA. NAME: _____ STA. NO.

DATE OF SURVEY: WEATHER: _____

BUS CORPORATION:

TYPE OF SERVICE: PLEASE CHECK APPROPRIATE BOX BELOW.

- PROVINCIAL
 MINI BUS
 STD. ORDINARY
 LIMITED
 PAG-IBIG
 LOVE BUS
 DOUBLE-DECKER

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

T I M E	ROUTE DESCRIPTION		TOTAL
	ORIGIN _____	DESTINATION _____	
	VIA _____	DIRECTION _____	
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		
	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		
T O T A L			

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
January 6 (Thu.)	32) EDSA/Aurora Blvd.	4	35
	33) Automatic Centre/Aurora Blvd.	2	17
	34) Quezon Blvd/cor. Banawe	2	16
	35) Quezon Blvd/Aranceta/Roxas District	2	14
	36) UP/Marikina	2	13
January 7 (Fri.)	37) Del Monte/Roosevelt	2	14
	38) Quezon Blvd/cor. EDSA/Tandang Sora	2	20
	39) Lealtad/G. Tuazon/Lardizabal/Bustillos	2	18
	40) Stop & Shop	2	20
January 10 (Mon.)	41) C. M. Recto in front of San Sebastian College	2	18
	42) R. Magsaysay Blvd/Aranceta Avenue	4	31
	43) Baclaran	4	43
January 11 (Tue.)	44) Pasig Area	2	20
	45) P. Sanchez/Aliw Br.	2	20
	46) Shaw Blvd. after EDSA	2	20
	47) Dapital/Recto	2	20
January 17 (Mon.)	48) Quiapo	6	59
	49) Quezon Blvd/Raon	2	20
	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 13.7

Jeepney Vehicular Traffic Count Survey Master Sheet

ROUTE NAME DIRECTION											
ITEMS											
ROUTE CODE											
SURVEY STATION											
SURVEY DATE											
WEATHER											
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											
REMARKS											

Appendix 13.11
Schedule of Jeepney Operation
Characteristics Survey

Date	Station Name	No. of Routes	No. of Supervisors	No. of Surveyors	Date	Station Name	No. of Routes	No. of Supervisors	No. of Surveyors
January 21 (Fri.)	Alabang	11	2	24	January 27 (Thu.)	Pasay Rotonda	15	2	15
	Sucot	40	4	54		Monumento	13	2	13
	Baclaran	38	4	64		Recto	18	2	18
	Pasay/Rtda/Libertad	5	1	13		Divisoria	71	3	73
January 24 (Mon.)	Cubao	11	1	18	Quiapo	56	3	57	
	Zapote	105	12	173		173	12	176	
	Sucot	5	1	6	Baclaran	52	3	54	
	Pasay Rotonda	22	1	24	Pasay Rotonda	16	2	17	
January 25 (Tue.)	Mantrada	24	2	24	Libertad	36	2	38	
	Guadalupe/Makati	16	1	16	Vito Cruz	5	1	6	
	Vito Cruz	24	2	24	Novaliches/Lagro/Fairview	13	2	14	
	Paco	18	1	18	Pier	33	2	34	
	Leon Guinto	7	1	7		155	12	163	
	T.M. Kalaw	20	1	22	Recto	15	2	20	
	Crossing	13	1	13	Vito Cruz	15	1	20	
		18	1	19	Leon Guinto	22	2	30	
		167	12	173	Guadalupe/Makati	7	1	0	
					Monumento	11	2	15	
January 26 (Wed.)	JRC/Kalantong	35	2	35	Pier South	14	1	20	
	Stop & Shop	14	1	14	Divisoria	15	2	22	
	San Juan	11	1	11	Sta. Cruz	10	1	15	
	Project 2 & 3/Kamuning	8	1	8		110	12	152	
	Pasig	6	1	6	Cubao	21	2	29	
	Marikina	10	1	10	Blumentritt/Dimasalang	43	4	54	
	Cubao	57	3	56		64	6	83	
	Muñoz/Proj. 8/Proj. 6	12	1	12	Divisoria	6	1	8	
		167	12	166	Blumentritt/Dimasalang	15	1	20	
					Kalantong	15	1	20	
January 27 (Thu.)	Kalaw	13	1	14	Espana Rotonda	11	1	16	
	UP/QMC	12	1	12	UP	2	1	3	
	Balintawak	9	1	10	Recto	10	1	12	
	Monumento	35	3	38	Herboza	12	1	15	
	Frisco/Roxas District/					71	7	94	
	Del Monte	14	3	14	Baclaran	38	4	38	
	Blumentritt/Dimasalang	44	3	44	Makati	2	1	2	
	Recto/Sta. Cruz	33	2	35	Alabang	17	1	17	
		160	12	167		57	6	57	
January 28 (Fri.)									
January 31 (Mon.)									
February 1 (Tue.)									
February 2 (Wed.)									
February 3 (Thu.)									
Sub-total				1,404					
Dry Run (Jan. 20)				170					
TOTAL				1,574					

Appendix 13.12
Schedule of Bus Operation
Characteristics Survey

Date	Station Name	No. of Routes	No. of Supervisors	No. of Surveyors
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	4	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		92	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					
Time	Passenger's Waiting	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?					
Incidental Expenses		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 13.18

Bus Terminals Survey Sheet

DATE _____ TIME _____
 SURVEYOR _____

Bus Terminal Reconnaissance Survey

SHEET NO.:

No.	Terminal Name	Location		Intermodal Function					Terminal Location		Queueing or not	Terminating Passing Through	Generating Transfer	Land Use	Remarks-Terminal Use	
		C-2	C-4	TB	CB	PB	MB	CJ	PJ	PNR						LRT

Appendix 13.19

Tricycle Terminals Survey Sheet

TRICYCLE COVERED AREA SURVEY

SHEET NO.:

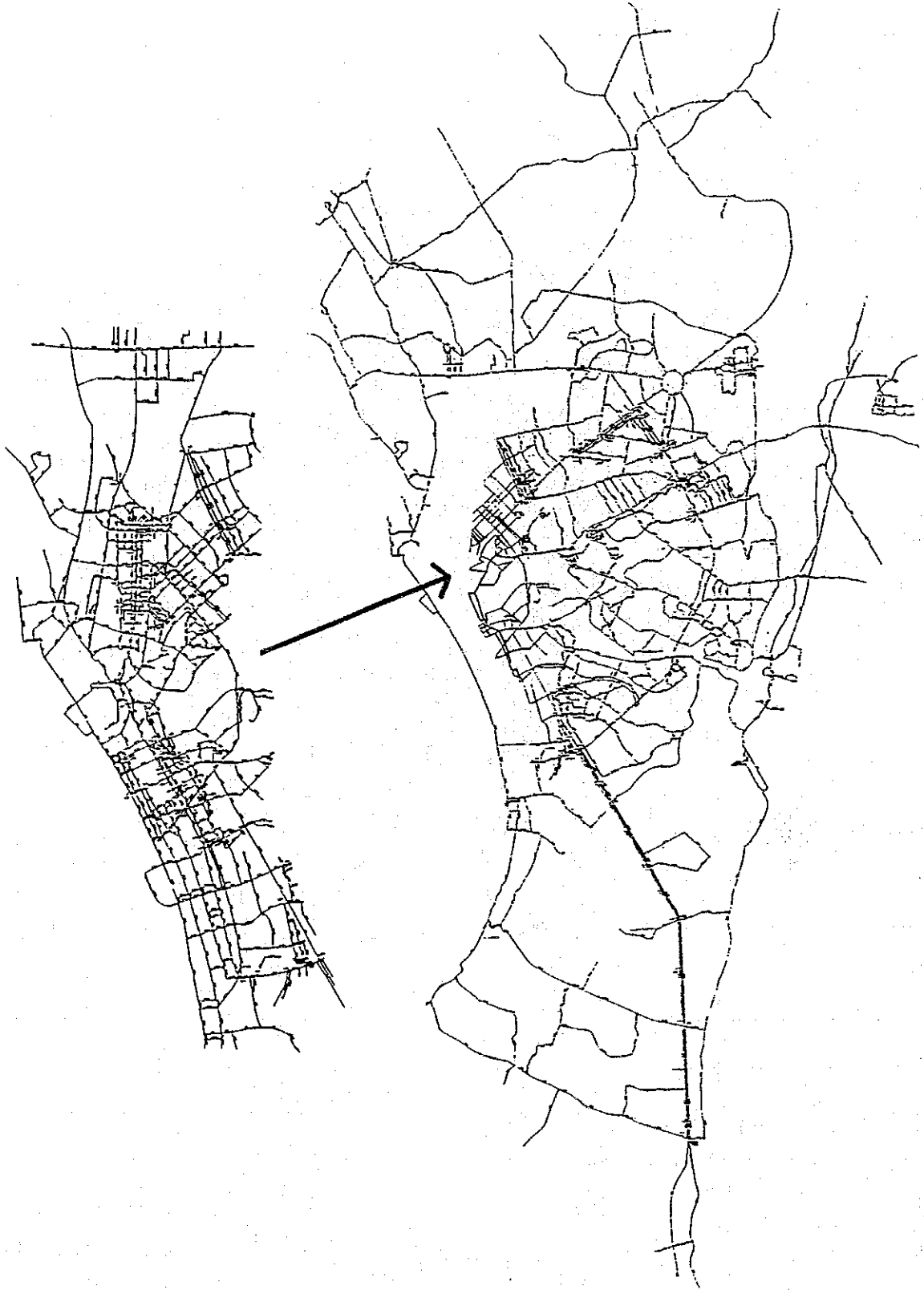
Code No.	Location of Terminal (Road Name)	No. of Operating Vehicle	No. of Waiting Vehicle	Operating Period		On/Off Road	Other Mode							Terminal/ Station Name	Covered Area No. (by Map)	CHARACTERISTICS		
				(From)	(To)		Prov. Bus	City Bus	Mini Bus	Prov. Jpy	City Jpy	PNR	LRT			Covered Area	Terminal Area	Terminal Fare

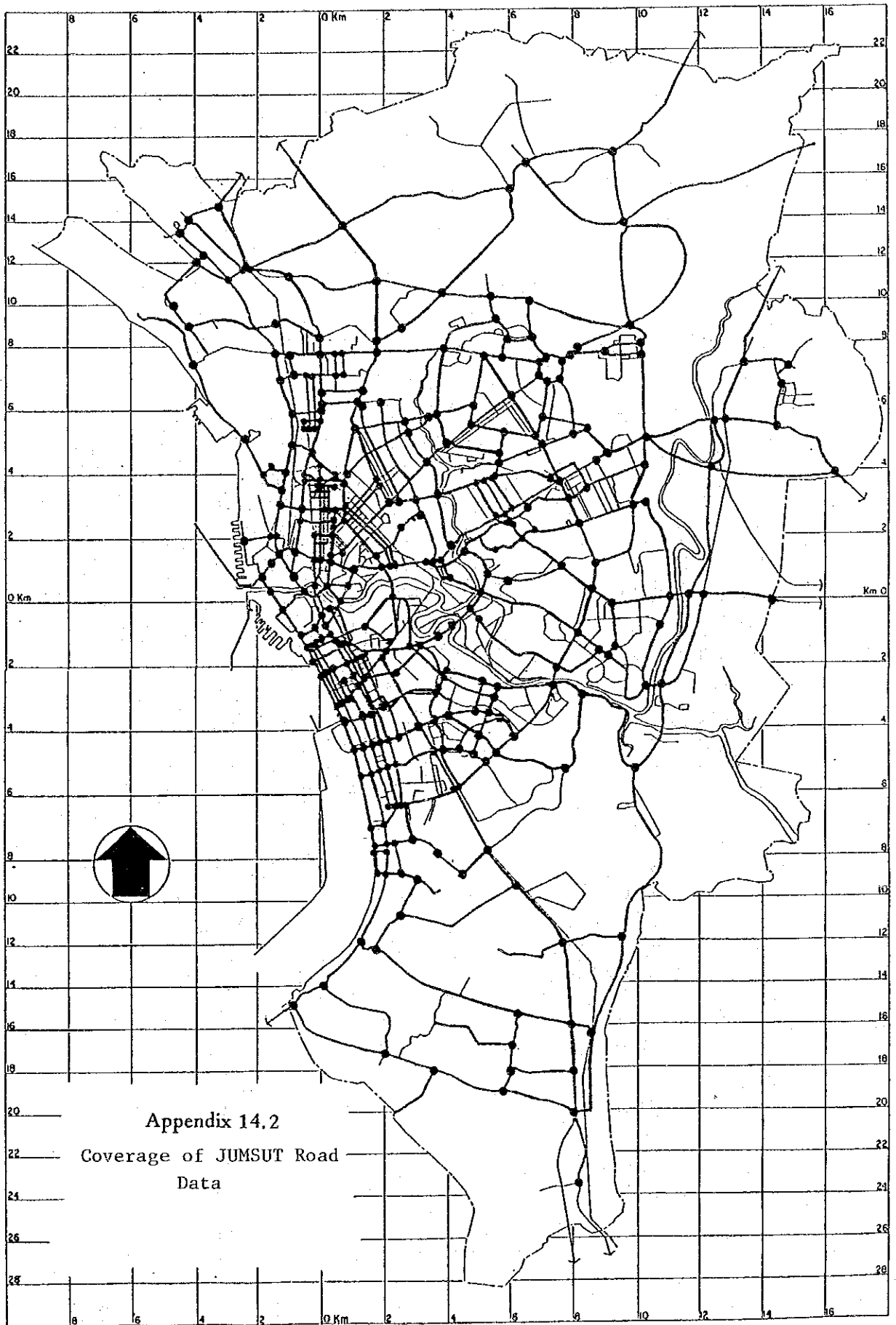
Appendix 13.21

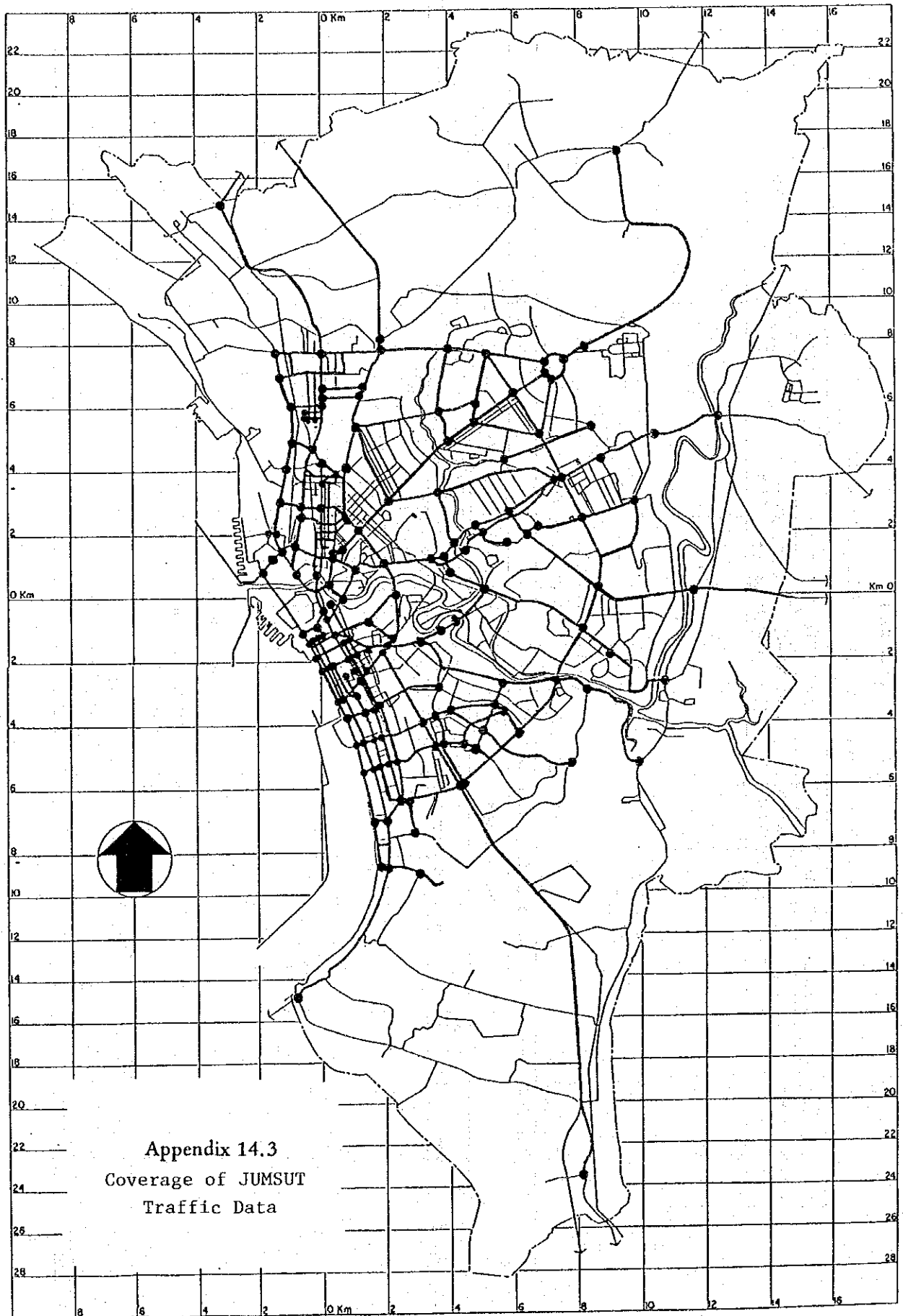
Jeepney Driver Interview Survey Sheet

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 :											

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	Carriageway (No. of Lanes)		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					Hour Ratio % to ADT	Peak Hr. Period	% of Heavy Vehicles		% Traffic in Heavy Direction			
			Traffic Volume/Hour		Bus/Truck		Car Jpy.		Bus/Jpy.		Truck Total									
			Car	Truck	Bus	Jpy.	Etc.	Total	Bus/Jpy.	Car	Jpy.	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/Lane/Hour)	Peak Hour (PCU/Lane/Hour)	Daily	Peak Hour			
										ADT (Vehicles/Day)		

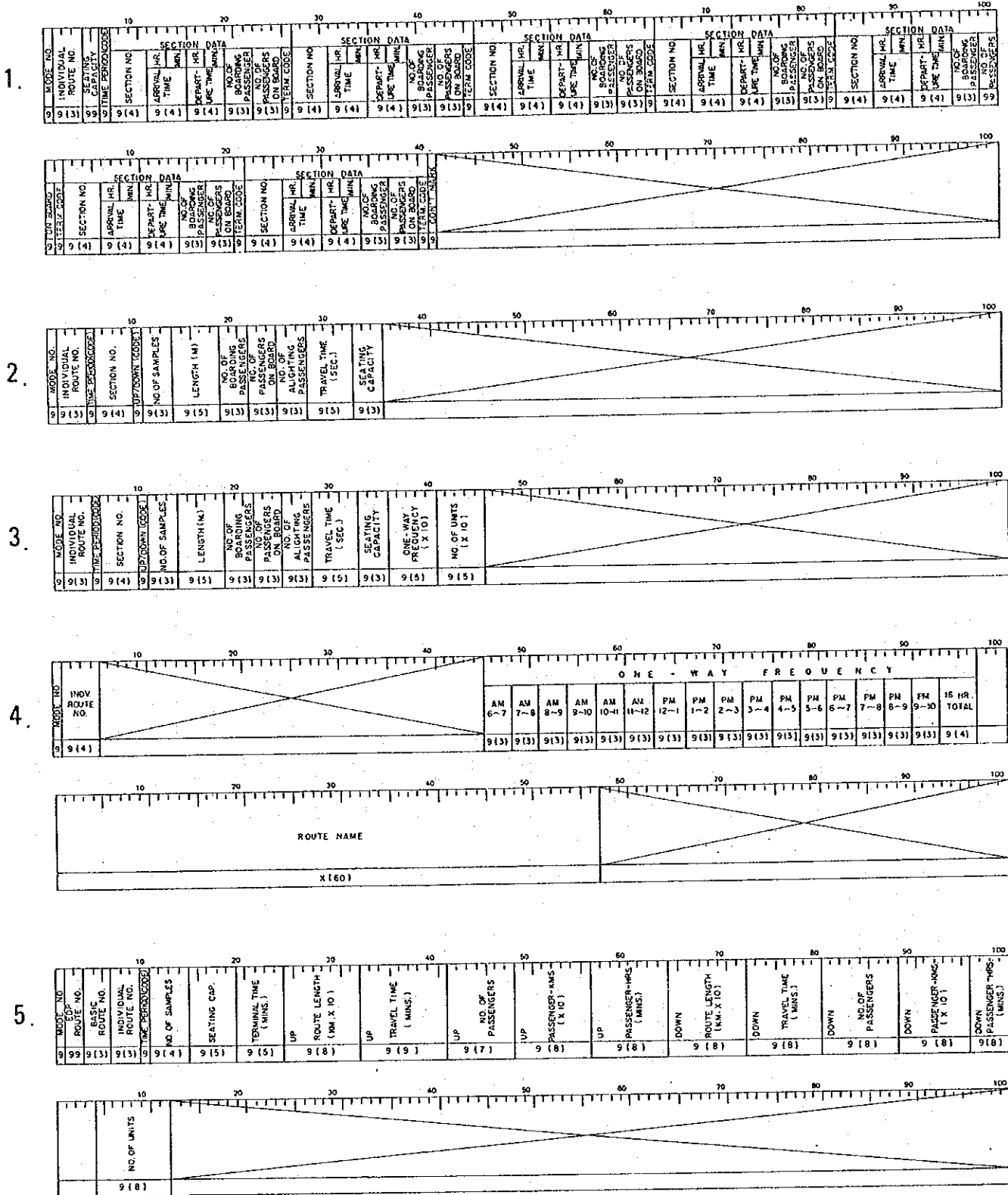
Appendix 14.7
List of JUMSUT Public Transport Data
Stored in the Magnetic Tape

File Name ^{1/}	Data 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-Hrs. (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

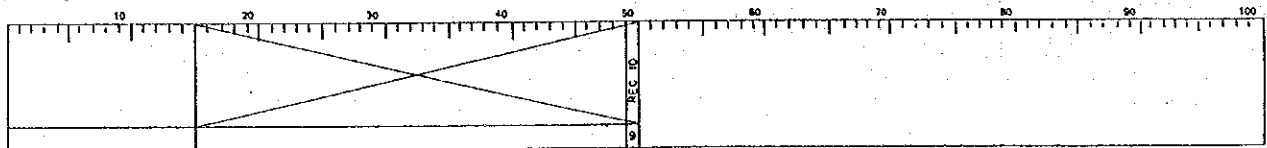
Appendix 14.8

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



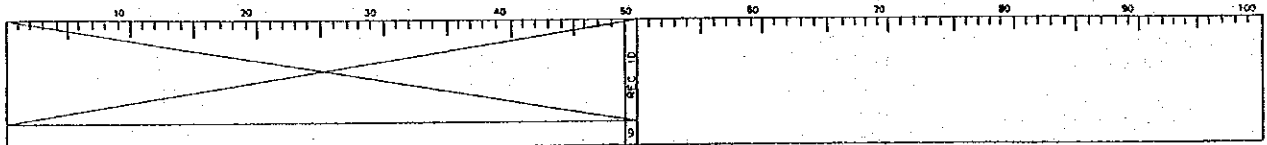
6-1

MODE NO.	INDV. ROUTE NO.	EDP ROUTE NO.	BASIC ROUTE NO.	ORIGIN ZONE NO.	DESTINATION ZONE NO.	ROUTE TYPE	EDS CODE	OD CODE	DOD CODE	PRV CODE	CORRIDOR CODE							ROUTE LENGTH (KM)	ROUTE LENGTH ON TRUNK RD.(KM)	ROUTE LENGTH ON TRAMP RD.(KM)	ROUTE LENGTH ON LRI CORRIDOR (KM)	ROUTE NAME		
											1	2	3	4	5	6	7							
9	9(4)	99	999	9(4)	9(4)	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	X(6)



-2-

MODE NO.	INDV. ROUTE NO.	N.O. OF UNITS				SEATING CAPACITY (SEATS)				AVERAGE HOURLY ONE-WAY FREQUENCY				TERMINAL TIME (MIN)				TURN-AROUND TIME (MIN)				
		M.P.	A.O.P.	E.P.	16 HR.	M.P.	A.O.P.	E.P.	16 HR.	M.P.	A.O.P.	E.P.	16 HR.	M.P.	A.O.P.	E.P.	16 HR.	M.P.	A.O.P.	E.P.	16 HR.	
9	9(4)	X(5)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)



-3-

MODE NO.	INDV. ROUTE NO.	AVERAGE NO. OF PASSENGERS (PERSONS/VEH./HR.) UP				BOARDING NO. OF PASSENGERS (PERSONS/HR.) UP				AVERAGE TRIP LENGTH (KM) UP				TRAVEL TIME (MIN) UP				AVERAGE NO. OF PASSENGERS (PERSONS/VEH./HR.) DOWN				BOARDING
		M.P.	A.O.P.	E.P.	16 HR.	M.P.	A.O.P.	E.P.	16 HR.	M.P.	A.O.P.	E.P.	16 HR.	M.P.	A.O.P.	E.P.	16 HR.	M.P.	A.O.P.	E.P.	16 HR.	
9	9(4)	9(4)	9(4)	9(4)	9(4)	9(6)	9(6)	9(6)	9(6)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(6)

NO. OF PASSENGERS (PERSONS/HR.) DOWN				AVERAGE TRIP LENGTH (KM) DOWN				TRAVEL TIME (MIN) DOWN						
A.O.P.	E.P.	16 HR.	M.P.	A.O.P.	E.P.	16 HR.	M.P.	A.O.P.	E.P.	16 HR.	M.P.	A.O.P.	E.P.	16 HR.
9(6)	9(6)	9(6)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)	9(4)

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

File Name ^{1/}	Data Included	File Name ^{1/}	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)

^{1/}File 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 14.12
Form of Jeepney Terminal List

Area No.	Combined Terminal Name	Term. Code	Individual Terminal Name	Land Use	Intermodal Function	Traffic/Characteristics		Terminal Location Off/On Road	Traffic Situation Queuing or not	No. of Routes	Frequency (6 hrs.)	No. of Passengers	
						Terminating Passing-Thru	Gen./Transfer					Boarding/Alighting	Carried

Appendix 14.13
Form of Bus Terminal List

Area	Zone Terminal Code	Terminal Name	Land Use	Intermodal Function						Terminal Type	Type of Bus	Gen/Transfer	Terminal Location On/Off Rd.	Traffic Situation Queuing	No. of Routes	Total Frequency (6 Hrs.)	Name of Bus Company	Jeepney Terminal
				T	C	B	M	C	J									

Appendix 14.14
Form of Tricycle Terminal List

Terminal Service Area Code	Terminal Code	Terminal (Road Name)	Covered Area (ha)	No. of Terminating Points	No. of Operating Vehicles	No. of Waiting Vehicles	Operating Time	No. of Trips/Day	No. of Pass./Trip	Terminal Start (Year)	On/Off Road	OTHER MODES					LAND USE		Terminal Name	Terminal Area	Covered Area	Name of Terminal Assoc.	Terminal Fee	Average Income/Day							
												Prov. Bus	City Bus	Mini Bus	Prov. Jpy	City Jpy	PNR	Terminal Area							Covered Area						

Appendix 14.15
Reference Table for the
Different Zoning Systems

MMUTIP	JUMSUT	JUMSUT	JUMSUT	JUMSUT	MUNI- CIPA- LITY	17	MMUTIP	JUMSUT	JUMSUT	JUMSUT	JUMSUT	MUNI- CIPA- LITY	17
		(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
154	19,66,67	46	13	16	9	204	66	59	38	25	Metro Manila
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 Home Zone (HIS Zone) Sequential Number 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>Household Income Level Code Number of Vehicles Owned Bicycle Motorcycle Jeepney Car Van/Pick-up Truck Tricycle Others Accessibility Tricycle Distance (m) Time (min.) Jeepney Distance (m) Time (min.) Bus Distance (m) Time (min.) Train Distance (m) Time (min.) Code (14) ... for record identification</p> <p>- Household Member Information Home Zone (HIS Zone) Sequential Number Household Number Sequential Member Number by Household Age Sex Code Work Address (HIS Zone) School Address (HIS Zone) Occupation Code 1 2 3 Employment Sector Code Personal Income Level Code Driver's License Code Code (24) ... for record identification</p> <p>- Trip Information Home Zone (HIS Zone) Sequential Number Household Number Sequential Trip Number by Household Origin Zone (HIS Zone) Institution Code Start Time Hour Minutes Destination Arrival Time Hour Minutes Institution Code Zone (HIS Zone) Trip Purpose Code From To Mode Mode Code Passenger / Driver Code 1st Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 2nd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 3rd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 4th Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) Code (41 91) ... for record identification</p>	<p>2. HIS 1983 Master -- Sample Base</p> <p>Household Information Home Zone (HIS Zone) Sequential Number 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>Household Income Level Code Number of Vehicles Owned Bicycle Motorcycle Jeepney Jeep Car Van/Pick-up Truck Tricycle Others Number of Vehicles Garaged Bicycle Motorcycle Jeepney Jeep Car Van/Pick-up Truck Tricycle Others</p> <p>Household Member Information Home Zone (HIS Zone) Sequential Number Household Number Sequential Member Number of Household Age Sex Code Work Address (HIS Zone) School Address (HIS Zone) Occupation Code 1 2 3 Employment Sector Code Personal Income Level Code Driver's License Code Code (24) ... for record identification</p> <p>Trip Information Home Zone (HIS Zone) Sequential Number Household Number Sequential Trip Number by Household Origin Zone (HIS Zone) Institution Code Start Time Hour Minutes Destination Arrival Time Hour Minutes Institution Code Zone (HIS Zone) Trip Purpose Code From To Mode Mode Code Passenger / Driver Code 1st Transfer Mode Code Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 2nd Transfer Mode Code Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 3rd Transfer Mode Code Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 4th Transfer Mode Code Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) Code (41 91) ... for record identification</p>	<p>3. HIS 1980 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 Number of Vehicles Garaged Bicycle Motorcycle Jeepney Jeep Car Van/Pick-up Truck Tricycle Others</p> <p>Accessibility Tricycle Distance (m) Time (min.) Jeepney Distance (m) Time (min.) Bus Distance (m) Time (min.) Train Distance (m) Time (min.) Expansion Factor</p> <p>4. HIS 1980 Household Member Information</p> <p>Home Zone (HIS Zone) Household Number Age Sex Code Provincial Address (HIS Zone) Work Address (HIS Zone) Occupation 1 2 3 Employment Sector Code Personal Income Level Code Driver's License Code Expansion Factor</p> <p>5. HIS 1980 Trip Information</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</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) Trip Purpose Code From To Mode Mode Code Passenger / Driver Code 1st Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 2nd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 3rd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 4th Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 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 Employment Male Female Total Household Income Level Code Number of Vehicles Owned Bicycle Motorcycle Jeepney Jeep Car Van/Pick-up Truck Tricycle Others Number of Vehicles Garaged Bicycle Motorcycle Jeepney Jeep Car Van/Pick-up Truck Tricycle Others Expansion Factor</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 Employment Sector Code Personal Income Level Code Driver's License Code 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) Trip Purpose Code From To Mode Mode Code Passenger Driver Code 1st Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 2nd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 3rd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 4th Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 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) Trip Purpose Code From To Mode Mode Code Passenger or Driver Code 1st Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 2nd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 3rd Transfer Mode Code Passenger / Driver Code Transfer Zone (HIS Zone) 4th Transfer Mode Code Passenger/Driver Code Transfer Zone (HIS Zone) 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</p> <p>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) Trip Purpose From To Mode Code Transfer 1st Mode Code 2nd 3rd 4th Expansion Factor Converted Purpose Code Converted Mode Code</p> <p>14. to 89. O'D Tables</p> <p>No. of Trips by Mode by Trip Purpose by Time Period by Person/Vehicle on different zoning</p>
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Appendix 14.17

Format of JUMSUT HIS Data Stored in Magnetic Tape

1.

HOME ZONE	SEQUENTIAL NUMBER	HOUSEHOLD NUMBER	X (4)	MALE	FEMALE	TOTAL	INCOME LEVEL	NO. OF VEHICLE OWNED	NO. OF VEHICLE GARAGED	TRICYCLE	JEEPNEY	BUS	TRAIN	CODE (16)
9 (3)	9 (7)	9 (4)	X (4)	99	99	99	99	99	99	99	99	99	99	99

HOME ZONE	SEQUENTIAL NUMBER	HOUSEHOLD NUMBER	SEQUENTIAL NO.	AGE	SEX	WORK ADDRESS	SCHOOL ADDRESS	OCCUPATION	EMPLOYMENT SECTOR	INCOME LEVEL	LICENSE	CODE (24)
9 (3)	9 (7)	9 (4)	99	XX	99	X (8)	9 (3)	X (5)	9 (3)	99	99	99

HOME ZONE	SEQUENTIAL NUMBER	HOUSEHOLD NUMBER	SEQUENTIAL NO.	ORIGIN	DESTINATION	TRIP PURPOSE	MODE	1ST TRANSFER	2ND TRANSFER	3RD TRANSFER	4TH TRANSFER	CODE (41-91)
9 (3)	9 (7)	9 (4)	99	XX	9 (3)	99	99	X	9 (3)	99	X (3)	99

2.

HOME ZONE	SEQUENTIAL NUMBER	HOUSEHOLD NUMBER	X (4)	MALE	FEMALE	TOTAL	INCOME LEVEL	NO. OF VEHICLE OWNED	NO. OF VEHICLE GARAGED	CODE (14)
9 (3)	9 (7)	9 (4)	X (4)	99	99	99	99	99	99	99

HOME ZONE	SEQUENTIAL NUMBER	HOUSEHOLD NUMBER	SEQUENTIAL NO.	AGE	SEX	WORK ADDRESS	SCHOOL ADDRESS	OCCUPATION	EMPLOYMENT SECTOR	INCOME LEVEL	LICENSE	CODE (24)
9 (3)	9 (7)	9 (4)	99	XX	99	X (8)	9 (3)	X (5)	9 (3)	99	99	99

HOME ZONE	SEQUENTIAL NUMBER	HOUSEHOLD NUMBER	SEQUENTIAL NO.	ORIGIN	DESTINATION	TRIP PURPOSE	MODE	1ST TRANSFER	2ND TRANSFER	3RD TRANSFER	4TH TRANSFER	CODE (41-91)
9 (3)	9 (7)	9 (4)	99	XX	9 (3)	99	99	X	9 (3)	99	X (3)	99

3.

ZONE	HOUSEHOLD NUMBER	MALE	FEMALE	TOTAL	EMPLOYEES	VEHICLES OWNED	VEHICLES GARAGED	ACCESSIBILITY TO PUBLIC TRANSPORT	EXPANSION FACTOR (F7.1)
9 (3)	9 (4)	99	99	99	99	99	99	99	99

4.

ZONE	HOUSEHOLD NUMBER	AGE	PROXY	WORK ADDRESS	PROXY ADDRESS	OCCUPATION	EMPLOYMENT	INCOME LEVEL	LICENSE	EXPANSION FACTOR (F7.1)
9 (3)	9 (4)	99	99	9 (3)	9 (3)	9 (6)	99	99	99	9 (7)

(App.14.17 cont'd.)

11.

STATION NUMBER	IDENTIFICATION CODE	HOUR	VEHICLE TYPE	HOME ADDRESS	ORIGIN	DEST.	TRANSFER POINT	MODE	PURP. FROM TO	EXPANSION FACTOR
9 (14)	X 9 (16)	99	9 (13)	9 (13)	9 (13)	9 (13)	9 (13)	99	X (6)	9 (4)

12.

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

				DISTANCE 1-216	DISTANCE 1-217

13.

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

14. 89.

NO. OF TRIPS 1 TO 1	1 TO 2	1 TO 3	1 TO 4	1 TO 5	1 TO 6	1 TO 7	1 TO 8	1 TO 9	1 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)	Secondary Roads 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
	1 - 196	Jeepney (inter-zonal)
(4) Basic Route No. ^{4/}	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
	1 - 5	Provincial Bus
	1 - 211 ^{5/}	MMUTIP 202 Zone Nos. of both ends of the Route. Route Type Classified in Relation to LRT (see JUMSUT Report Chapter 6 for details). Relation to LRT (see JUMSUT Report Chapter 6 for details).
(5) Origin/Destination Zone Nos.		
(6) Route Type	1 - 7	
(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.

Appendix 16.1(1)

Population Expansion Factor by Municipality

Municipality	No. of Samples	Population		Expansion Factor	
		MMUTIP	JUMSUT	MMUTIP	JUMSUT
Manila	27,511	1,347,763	1,341,078	49.0	48.7
Pasay	4,852	238,767	232,767	49.2	48.0
Makati	6,411	310,256	306,501	48.4	47.8
Mandaluyong	3,591	169,793	166,849	47.3	46.5
San Juan	2,662	107,338	105,247	40.3	39.5
Quezon	22,170	959,346	948,247	40.3	42.8
Caloocan	8,605	385,838	373,283	44.8	43.4
Valenzuela	3,385	160,940	166,828	47.5	49.3
Malabon	3,573	154,157	152,786	43.1	42.6
Navotas	2,295	101,532	98,565	44.2	42.9
Marikina	3,529	168,832	168,552	47.8	47.8
Pasig	5,172	213,317	214,027	41.2	41.4
Pateros	647	32,124	31,718	46.1	45.5
Taguig	2,428	87,056	104,551	40.0	43.1
Parañaque	3,826	177,827	171,424	46.5	44.8
Muntinlupa	2,199	103,729	107,641	47.2	48.9
Las Piñas	2,151	107,561	106,892	50.0	49.7
TOTAL	105,057	4,836,177	4,796,401	46.0	45.7

Appendix 16.1(2)
Population Expansion Factor by Age, Sex
(Metro Manila)

Age Group	No. of Sample	M A L E				F E M A L E				
		Population (Estimated)		Average Expansion Factor		Population (Estimated)		Average Expansion Factor		
		MMUTTP	JUMSUT	MMUTTP	JUMSUT	MMUTTP	JUMSUT	MMUTTP	JUMSUT	
7-9	4,813	226,028	210,146	47.0	43.7	4,626	214,275	180,392	46.3	39.0
10-14	7,631	240,002	318,612	44.6	41.8	7,538	343,970	294,797	45.6	39.1
15-19	7,424	337,351	321,243	45.4	43.3	8,677	429,850	295,636	49.5	45.6
20-24	6,461	338,374	340,784	52.4	52.7	7,843	397,011	418,641	50.6	53.4
25-29	5,845	284,236	287,093	48.6	49.1	7,355	291,052	337,233	39.6	45.9
30-34	4,552	188,767	215,424	41.5	47.3	4,866	188,944	241,533	38.8	43.6
35-39	3,355	165,362	139,863	49.3	41.7	3,738	167,489	159,452	44.4	42.7
40-49	4,957	229,379	202,502	46.3	40.9	5,481	224,211	242,661	40.9	44.3
50-59	2,771	130,215	115,057	47.0	41.5	3,071	133,754	149,993	43.6	48.8
60-69	1,485	72,443	62,057	48.8	41.8	1,449	75,912	89,684	52.4	61.9
70-	514	24,315	28,346	47.3	55.1	507	28,265	40,352	55.7	79.6
U. N.	33	1,675	1,618	50.8	49.0	29	1,348	1,349	46.5	46.5
TOTAL	49,841	2,338,147	2,242,765	46.9	45.0	55,180	2,496,081	2,551,723	45.2	46.2

Appendix 16.1(3)
Household Expansion Factor by Municipality

Municipality	Sample	No. of Household (Estimated)	Expansion Factor
Manila	6,471	300,842	46.5
Pasay	1,202	55,193	45.9
Makati	1,521	68,873	45.3
Mandaluyong	859	38,856	45.2
San Juan	594	22,953	38.6
Quezon	4,949	218,446	44.1
Caloocan	2,051	89,324	43.6
Valenzuela	888	39,916	45.0
Malabon	780	36,321	46.6
Navotas	514	23,208	45.2
Marikina	879	38,882	44.2
Pasig	1,104	50,240	45.5
Pateros	153	7,270	47.5
Taguig	570	25,127	44.1
Parañaque	836	27,501	44.9
Muntinlupa	552	24,392	44.2
Las Piñas	546	24,863	45.5
TOTAL	24,469	1,102,207	45.0

Appendix 16.2
Layout of 1980 HIS Master Files

A: Household File

HOUSEHOLD NO.	MALE	FEMALE	TOTAL	Employees	VEHICLES OWNED										VEHICLES				GARAGED				PUBLIC TRANSPORT				Expansion Factor (F7.1)		
ZONE	UNDER 7	7 and ABOVE	HELPERS	MALE	FEMALE	TOTAL	BICYCLE	MOTORCYCLE	JEEPNEY	JEEP	CAR	VAN/PICK UP	TRUCK	TRICYCLE	OTHERS	BICYCLE	MOTORCYCLE	JEEPNEY	JEEP	CAR	VAN/PICK UP	TRUCK	TRICYCLE	OTHERS	TRICYCLE	JEEPNEY	BUS	TRAIN	Expansion Factor (F7.1)

FILE NAME : HHIF
 CODE : EBCDIC
 REC.SIZE : 100 CH.
 BLK.FACTOR : 100 Rec/81k.
 NO. OF REC. : 24,469

B: Household Member File

HOUSEHOLD NO.	AGE	SEX	PROV ADDRESS	WORK ADDRESS	SCH ADDRESS	Occupation	EMPLOYMENT	INCOME	LICENSE	Expansion Factor (F7.1)
ZONE						1	2	3		

FILE NAME : HHMIF2
 CODE : EBCDIC
 REC.SIZE : 37 CH.
 BLK.FACTOR : 100 Rec/81k.
 NO. OF REC. : 105,057

C: Trip File

HOUSEHOLD INCOME	CAR OWNING	AGE	SEX	WORK ADDRESS	OCCUPATION	EMPLOYMENT	PERSONAL INCOME	LICENSE	ORIGIN	DESTINATION	TRIP PURPOSE	MODE	1st Transfer	2nd	3rd	4th	Expansion Factor (F7.1)
ZONE									ZONE	Institution	FROM	TO	MODE	ZONE			

FILE NAME : TRIPF2
 CODE : EBCDIC
 REC.SIZE : 80 CH.
 BLK.FACTOR : 100 Rec/81k.
 NO. OF REC. : 182,008

Appendix 16.3
Interview Questionnaire SET for 1983
Supplemental HIS

1. Letter for Barangay Captains
2. Example of Sampling List
3. Letter for Households
4. Instructions for Answering Questionnaire Forms
5. Illustration on How to Fill Up the Trip Information Form
6. Form 1 - Household Information
7. Form 2 - Household Member Information
8. Form 3 - Trip Information

Appendix 16.3(1)

Letter for Barangay Captains

Republic of the Philippines
MINISTRY OF TRANSPORTATION AND COMMUNICATIONS
PHILCOMCEN Building, Ortigas Ave., Pasig, Metro Manila
OFFICE of the MINISTER

17 December 1982

Dear _____:

We wish to inform you that the Ministry of Transportation and Communications (MOTC) will be conducting a Home Interview Survey in joint effort with the Jica-Almec Consultants Group.

Interviewers will be assigned to interview sample households selected by random sampling from your respective barangays. This is for purposes of updating the previously acquired data on the travelling characteristics and requirements per area for the whole Metro Manila.

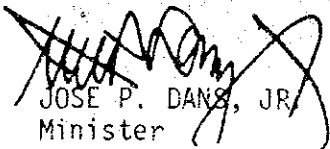
As the Barangay Captain of Barangay _____, we wish to secure your cooperation and permission for our interviewers to go about visiting the attached sample households.

Please indicate your approval and support by signing in the space provided below.

Thank you.

Very truly yours,

CONFORME:


JOSE P. DANS, JR.
Minister

82L-MIN-1769

Appendix 16.3(2)
Example of a Sampling List

Zone No : 364
Barangay : Loyola Heights

H.H.No:	NAME	ADDRESS	TOTAL H.H. Member
0001	Samaniego, Gil	Escaler St.	5
0002	Carbon, Evelyn	Katipunan	1
0003	Gundolfo, Bibonia	B. Gonzales	5
0004	Montoya, Joe	B. Gonzales	2
0005	Baluyot, Rey Sr.	C. Salvador	6
0006	Bonafra, Leopoldo	C. Salvador	9
0007	Gelado, Eduardo	F. De la Rosa	4
0008	Alejandro, Leo	E. Abada	6
0009	Guzman, Jeanette	E. Abada	2
0010	Avangel, Marilou	E. Banda	4

Republic of the Philippines
MINISTRY OF TRANSPORTATION AND COMMUNICATIONS
PHILCOMCEN Building, Ortigas Ave., Pasig, Metro Manila
OFFICE of the MINISTER

20 January 1983

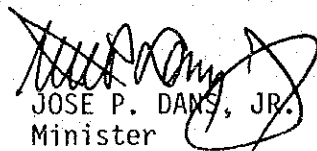
Dear Householder:

The forms you are being requested to complete are part of a comprehensive Public Transport Study covering the 17 cities and municipalities of Metro Manila. The purpose of the Home Interview Survey (HIS) is to obtain detailed information on the travel requirements of the inhabitants of Metro Manila to determine both current and future needs. This study is being conducted for the purpose of supplementing the former HIS done in 1980, with the cooperation of the Japanese Government.

As you have been chosen as a sample household by random sampling, please complete the questionnaire forms attached herewith. Otherwise, please permit the surveyors to interview your household members and yourself. All questions asked will only be in relation to your travelling habits and requirements. Your cooperation is essential if the study is to be successful. If you have any problems in completing the forms, please request the assistance of the interviewer.

This information will be treated in strict confidence by this Ministry and will be used only for purposes of the transportation study. Your cooperation in this program will be most appreciated.

Very truly yours,


JOSE P. DANS, JR.
Minister

:csap

83L-MIN-070

Appendix 16.3(4)

Instructions for Answering Questionnaire Forms

INSTRUCTIONS FOR ANSWERING QUESTIONNAIRE FORMS

Please answer all the questions one by one according to its numbering.

Print the information in the space provided, or put a check mark in the appropriate box.

If you have doubts in answering any point in the questionnaire, please consult the interviewer.

Form 1. Household Information

1. Only the "head" of the household should complete Form 1. The head of the household is the Father, Mother or the household member who is responsible for the economic well being of the household.

Form 2. Household Members Information

1. Form 2 should be completed for every member of the household who is aged 7 years or older, one sheet per person.
2. In Question 6, "service workers" include firefighters, policemen, guards, housekeepers, maids, waiters, bartenders, building caretaker and cleaners, barbers, hairdressers, beauticians, launderers, sportsmen, photographers, and undertakers.
3. In Question 7, "commerce" include wholesale trade, retail trade, banks and financial institutions, insurance and real estate.

Form 3. Trip Information

1. Form 3 should be completed for every member of the household who is aged 7 years or older.
2. Provide the required information about ALL THE TRIPS, both home-based and non-homebased, during the survey date indicated in Form 3. The survey date covers 24-hours (one day) beginning at 3:00 a.m. and ending at 3:00 a.m. of the following day. For example, if the survey date is Jan. 28 (Friday), the information requested relates to the period from 3:00 a.m. Friday to 3:00 a.m. Saturday.
3. Start with the first trip (TRIP NO. 1) and proceed sequentially to the next trip. Give all informations on each trip.
4. If more than 6 trips were made on the survey date, record the information of TRIP 7, TRIP 8, TRIP 9, etc., on another sheet and number the trips accordingly.

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ONLY

HIS Zone No.

Traffic Zone No.

Household No.

No. H.H. Members' Sheets

Supervisors' Check

	Date	Name
For Interviewers		
For Editors		
For Coders		

Appendix 16.3(5)

Illustration on How to Fill Up the Trip Information Form

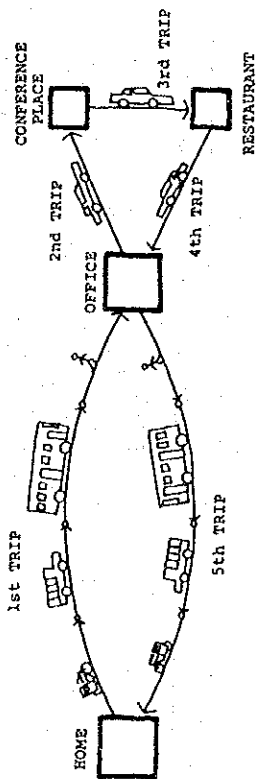
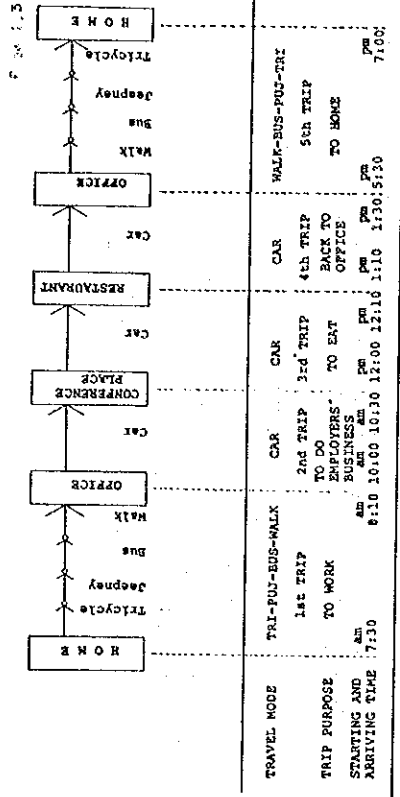


ILLUSTRATION ON HOW TO FILL UP THE TRIP INFORMATION FORM
(In Case of Office Worker)

FORM 3 TRIP INFORMATION

INSTRUCTIONS: To be completed by every household member aged 7 years and over

GIVE DETAILS OF ALL TRIPS TAKEN ON _____, 1983

TRIP INFORMATION	1st TRIP	2nd TRIP	3rd TRIP	4th TRIP	5th TRIP
ORIGIN AND DESTINATION	HOME	OFFICE	CONFERENCE PLACE	OFFICE	RESTAURANT
TRIP PURPOSE	TO WORK	TO DO EMPLOYERS' BUSINESS	TO DO EMPLOYERS' BUSINESS	TO EAT	BACK TO OFFICE
MODE OF TRAVEL	TRICYCLE	BUS	TRICYCLE	CAR	WALK
TRIP DATES	8:10 AM to 10:00 AM	10:00 AM to 12:00 PM	12:00 PM to 1:10 PM	1:10 PM to 7:00 PM	7:30 AM to 8:10 AM
TRIP DURATION	1:50	2:00	1:10	1:00	55
TRIP DATES (Start/End)	8:10 AM / 10:00 AM	10:00 AM / 12:00 PM	12:00 PM / 1:10 PM	1:10 PM / 7:00 PM	7:30 AM / 8:10 AM
TRIP PURPOSE	TO WORK	TO DO EMPLOYERS' BUSINESS	TO DO EMPLOYERS' BUSINESS	TO EAT	BACK TO OFFICE
MODE OF TRAVEL	TRICYCLE	BUS	TRICYCLE	CAR	WALK
TRIP DATES	8:10 AM to 10:00 AM	10:00 AM to 12:00 PM	12:00 PM to 1:10 PM	1:10 PM to 7:00 PM	7:30 AM to 8:10 AM
TRIP DURATION	1:50	2:00	1:10	1:00	55
TRIP DATES (Start/End)	8:10 AM / 10:00 AM	10:00 AM / 12:00 PM	12:00 PM / 1:10 PM	1:10 PM / 7:00 PM	7:30 AM / 8:10 AM
TRIP PURPOSE	TO WORK	TO DO EMPLOYERS' BUSINESS	TO DO EMPLOYERS' BUSINESS	TO EAT	BACK TO OFFICE
MODE OF TRAVEL	TRICYCLE	BUS	TRICYCLE	CAR	WALK
TRIP DATES	8:10 AM to 10:00 AM	10:00 AM to 12:00 PM	12:00 PM to 1:10 PM	1:10 PM to 7:00 PM	7:30 AM to 8:10 AM
TRIP DURATION	1:50	2:00	1:10	1:00	55
TRIP DATES (Start/End)	8:10 AM / 10:00 AM	10:00 AM / 12:00 PM	12:00 PM / 1:10 PM	1:10 PM / 7:00 PM	7:30 AM / 8:10 AM

Appendix 16.3(6)
Household Information
(Form 1)

FORM 1 HOUSEHOLD INFORMATION

INSTRUCTION: To be completed by HEAD of HOUSEHOLD

(1) NAME _____
Family Name
First Name
M.I.

(2) ADDRESS OF HOUSEHOLD _____
No.
Street
Barangay (a)

City/Municipality (b)

(3) HOW MANY PEOPLE RESIDE IN YOUR HOUSEHOLD

		UNDER 7 YRS. OLD	7 YRS. AND ABOVE	HOUSEHOLD HELPERS
1	MALE			
2	FEMALE			
3	TOTAL			

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1 3
2

11 14
HH

19 (3) 24
1

25 30
2

31 36
3

(4)
37 38

(4) WHAT IS THE TOTAL MONTHLY HOUSEHOLD INCOME (Check One)

- 1 BELOW ₱ 500
- 2 501 to 1000
- 3 1001 to 1500
- 4 1501 to 2000
- 5 2001 to 2500
- 6 2501 to 3000
- 7 3001 to 3500
- 8 3501 to 4000
- 9 4001 to 5000
- 10 5001 to 7000
- 11 OVER ₱ 7000

(5) HOW MANY VEHICLES ARE OWNED BY HOUSEHOLD MEMBERS

	TYPE	NO. OF UNITS
1	BICYCLE	<input type="text"/>
2	MOTORCYCLE	<input type="text"/>
3	JEEPNEY	<input type="text"/>
4	JEEP	<input type="text"/>
5	CAR	<input type="text"/>
6	VAN/PICK-UP	<input type="text"/>
7	TRUCK	<input type="text"/>
8	TRICYCLE	<input type="text"/>
9	OTHER SPECIFY	<input type="text"/>
10	NONE (check)	<input type="checkbox"/>

(6) HOW MANY VEHICLES WERE GARAGED AT OR NEAR YOUR HOUSE BY HOUSEHOLD MEMBERS

	TYPE	NO. OF UNITS
1	BICYCLE	<input type="text"/>
2	MOTORCYCLE	<input type="text"/>
3	JEEPNEY	<input type="text"/>
4	JEEP	<input type="text"/>
5	CAR	<input type="text"/>
6	VAN/PICK-UP	<input type="text"/>
7	TRUCK	<input type="text"/>
8	TRICYCLE	<input type="text"/>
9	OTHER SPECIFY	<input type="text"/>
10	NONE (check)	<input type="checkbox"/>

(15)
39 40
1

41 42
2

43 44
3

45 46
4

47 48
5

49 50
6

51 52
7

53 54
8

55 56
9

(16)
57 58
1

59 60
2

61 62
3

63 64
4

65 66
5

67 68
6

69 70
7

71 72
8

73 74
9

79 80
1 4

Appendix 16.3(7)

Household Member Information
(Form 2)

FORM 2 HOUSEHOLD MEMBER INFORMATION

INSTRUCTION: To be completed for every HOUSEHOLD MEMBER aged 7 years and over

THIS PORTION IS FOR OFFICE USE ONLY

(1) NAME _____
Family Name First Name M.I

1 3
2

(2) AGE _____ (3) SEX (Pls. Check) 1. MALE 2. FEMALE

11 14
HH

(4) WORK ADDRESS _____
No. Street Barangay (a)

15 16
HHM

City / Municipality (b)

(2)
19 20

(5) SCHOOL ADDRESS _____
No. Street Barangay (a)

(3)
21

City / Municipality (b)

(4)
30 32

(6) OCCUPATION
(Please Check)

(7) EMPLOYMENT SECTOR
(Please Check)

(8) MONTHLY INCOME
(Please Check)

01	<input type="checkbox"/> SERVICE WORKER
02	<input type="checkbox"/> ADMINISTRATIVE & EXEC. WORKER
03	<input type="checkbox"/> SALES WORKER
04	<input type="checkbox"/> CLERICAL WORKER
05	<input type="checkbox"/> FACTORY WORKER / CRAFTSMAN
06	<input type="checkbox"/> TRANSPORT WORKER
07	<input type="checkbox"/> PROFESSIONAL WORKER
08	<input type="checkbox"/> STUDENT / ELEM. SCHOOL
09	<input type="checkbox"/> STUDENT / HIGH SCH. & UNIV.
10	<input type="checkbox"/> HOUSEWIFE
11	<input type="checkbox"/> JOBLESS
12	<input type="checkbox"/> OTHER, SPECIFY _____

01	<input type="checkbox"/> SERVICE INDUSTRY
02	<input type="checkbox"/> SCHOOL
03	<input type="checkbox"/> UNIVERSITY
04	<input type="checkbox"/> GOVERNMENT
05	<input type="checkbox"/> AGRICULTURAL MINING
06	<input type="checkbox"/> MANUFACTURING
07	<input type="checkbox"/> PUBLIC UTILITY COMPANY
08	<input type="checkbox"/> CONSTRUCTION
09	<input type="checkbox"/> TRANSPORTATION COMMUNICATIONS
10	<input type="checkbox"/> HOME BASED
11	<input type="checkbox"/> COMMERCE
12	<input type="checkbox"/> OTHER, SPECIFY _____

01	<input type="checkbox"/> Below P 300
02	<input type="checkbox"/> 301 to 500
03	<input type="checkbox"/> 501 to 700
04	<input type="checkbox"/> 701 to 900
05	<input type="checkbox"/> 901 to 1000
06	<input type="checkbox"/> 1001 to 1500
07	<input type="checkbox"/> 1501 to 2000
08	<input type="checkbox"/> 2001 to 2500
09	<input type="checkbox"/> 2501 to 3000
10	<input type="checkbox"/> 3001 to 4000
11	<input type="checkbox"/> 4001 to 5000
12	<input type="checkbox"/> ABOVE 5000

(5)
38 40

(9) STATE TYPE OF DRIVERS LICENSE HELD.

1. STUDENT 2. NON - PROF. 3. PROFESSIONAL 4. NONE

(6)
46 51

(10) Please list all the places you visited on survey day.

- 1) _____ 6) _____
2) _____ 7) _____
3) _____ 8) _____
4) _____ 9) _____
5) _____ 10) _____

(7)
52 53

(8)
54 55

(9)
56

(10)
57 58

59 60
2 4

Appendix 16.3 (8)(cont'd.)

□ □ □ □ □ □ □ □ □ □

TRIP INFORMATION	5th TRIP	6th TRIP
(1) ORIGIN Where did this trip begin? (Give Address / Land Mark, Famous Bldg. nearby)	NO NEED TO FILL UP INFORMATION IS SAME AS IN DESTINATION OF 4th TRIP	NO NEED TO FILL UP. INFORMATION IS SAME AS IN DESTINATION OF 5th TRIP
(2) INSTITUTION OF ORIGIN		
(3) TIME STARTED	Hours Minutes AM <input type="checkbox"/> PM <input type="checkbox"/>	Hours Minutes AM <input type="checkbox"/> PM <input type="checkbox"/>
FOR OFFICE USE ONLY	19 20 21 22 23 24 25 26 27	19 20 21 22 23 24 25 26 27
(4) TIME of ARRIVAL	Hours Minutes AM <input type="checkbox"/> PM <input type="checkbox"/>	Hours Minutes AM <input type="checkbox"/> PM <input type="checkbox"/>
(5) INSTITUTION of DESTINATION		
(6) DESTINATION Where did this trip end? (Give the Address Land Mark, Famous Bldg. nearby)	No. Street Barangay Municipality	No. Street Barangay Municipality
FOR OFFICE USE ONLY	28 29 30 31 32 33 34 35 36	28 29 30 31 32 33 34 35 36
(7) TRIP PURPOSE	To	To
(8) MODE of TRAVEL	Original Mode	Original Mode
(9) TRANSFER If you transferred to another vehicle / mode during the Trip, state the Mode you changed to and the Place of Alightment. (Give street Intersection / Famous Bldg. or Land Mark).	TRANSFER POINT 1st Transfer	TRANSFER POINT 1st Transfer
	Next Mode	Next Mode
	2nd Transfer	2nd Transfer
	Next Mode	Next Mode
	3rd Transfer	3rd Transfer
	Next Mode	Next Mode
	4th Transfer	4th Transfer
	Next Mode	Next Mode
If Driver write D If Passenger write P after mode of travel	PLS. continue to answer next trip	Thank you
THIS PORTION IS FOR OFFICE USE ONLY	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74

Appendix 16.5(1)

List of Data Check (Household) for '83 HIS

Column	Item	Specified Code No./Character
1-3	Home Address	Internal zone code
4-10		Space
11-14	Household Number	Numeric
15-18		Space
19-20	No. Of Household Male under 7	Numeric 1
21-22		7 or above Numeric 2
23-24	Helper	Numeric 3
25-26		Female under 7 Numeric 4
27-28	7 or above Numeric 5	
29-30	Helper	Numeric 6
31-32		Total under 7 Numeric 7 = 1 + 4
33-34	7 or above Numeric 8 = 2 + 5	
35-36	Helper Numeric 9 = 3 + 6	
37-38	Income Level	Numeric, 1 ~ 11 and 99
39-56	No. of Vehicle Owned	Numeric
57-74	No. of Vehicle Garaged	Numeric
75-78		Space
79-80	Code	14

Appendix 16.5(2)

List of Data Check (Household Members)

Column	Item	Specified Code Number/Character	Remarks
1-3	Home Address	Internal Zone Code	The same as that in household information
4-10		Space	
11-14	Household Number	Numeric	
15-16		Sequence Number	
17-18		From 1 to No. of Household member(8+9)	
19-20	Age	Greater than 7	
21	Sex	1, 2 or 9	
22-29		Space	
30-32	Work Address	HIS zone or 999	
33-37		Space	
38-40	School Address	HIS zone or 999	
41-45		Space	
46-47	Occupation 1	1 ~ 12, 99	
48-49	Occupation 2	1 ~ 12, 99, space	
50-51	Occupation 3	1 ~ 12, 99, space	
52-53	Employment Sector	1 ~ 12, 99, space	
54-55	Income Level	0 ~ 12, 99	
56	License	1 ~ 4, 9	
57-58	No. of trips	Numeric	
59-78		Space	
79-80	Code	24	

Appendix 16.5(3)
List of Data Check (Trip Information)

Column	Item	Specified Code Number/Character	Remarks
1-3 4-10 11-14	Home Address Household Number	Internal Zone Code Space Numeric	The same as that in household information
15-16	Sequence Number	Numeric	
17-18 19-21 22-23 24-25 26-27	Origin Zone Institution Start Time Hour Minute	Space IIS zone, 999 1~11, 99 0~23, 99 0~59, 99	
28-29 30-31 32-33 34-36	Destination Arrival Time Hour Minute Institution Zone	0~23, 99 0~59, 99 1~11, 99 IIS zone, 999	
37-38 39-40	Trip Purpose From To	1~11, 99 1~11, 99	
41-42 43 44-46	Mode or Transfer Point Mode Driver or Passenger Transfer Zone	1~14, 99 D, P, Space or 9 IIS zone, 999	
47-48 49 50-52	Mode Driver or Passenger Transfer Zone	1~14, 99 D, P, Space or 9 IIS Zone, 999	
53-54 55 56-58	Mode Driver or Passenger Transfer Zone	1~14, 99 Space or 9 IIS zone, 999	
59-60 61 62-64	Mode Driver or Passenger Transfer Zone	1~14, 99 D, P, Space or 9 IIS zone, 999	
65-66 67	Mode Driver or Passenger	1~14, 99 D,P, Space or 9	
68-78 79-80	Code	Space 34, 44, 54, 64, 74, 84, 94	

Appendix 16.6

Household Expansion Rates for 1983 Supplemental HIS

Zone No.	No. of Household	No. of Samples		Expansion Rate
		Proposed	Collected	
1	109,868	290	292	376.3
2	29,289	110	80	366.1
3	8,184	40	30	272.8
4	62,914	170	212	296.8
5	14,368	40	40	359.2
6	1,733	40	12	144.4
7	15,167	60	40	379.2
8	14,754	50	50	295.1
9	44,847	120	120	373.7
10	75,757	200	200	378.8
11	13,603	30	30	453.4
12	23,210	80	80	290.1
13	36,353	110	90	403.9
14	39,953	110	113	353.6
15	29,984	90	160	187.4
16	20,986	60	65	322.9
17	15,066	40	45	334.8
18	28,651	90	80	358.1
19	35,881	100	101	355.3
20	22,138	70	76	291.3
21	47,852	130	132	362.5
22	17,888	50	50	357.8
23	23,517	90	112	210.0
24	38,881	120	152	255.8
25	38,919	120	126	308.9
26	50,288	150	155	324.4
27	20,882	70	70	298.3
28	21,448	150	80	268.1
29	26,729	90	70	381.8
30	33,331	80	80	416.6
31	21,905	60	60	365.1
32	25,145	80	90	279.4
33	7,269	20	20	363.5
34	37,517	110	150	250.1
35	24,877	70	80	311.0
36	24,409	60	60	406.8
37	-	-	-	-
TOTAL	1,103,563	3,300	3,403	324.3

JICA