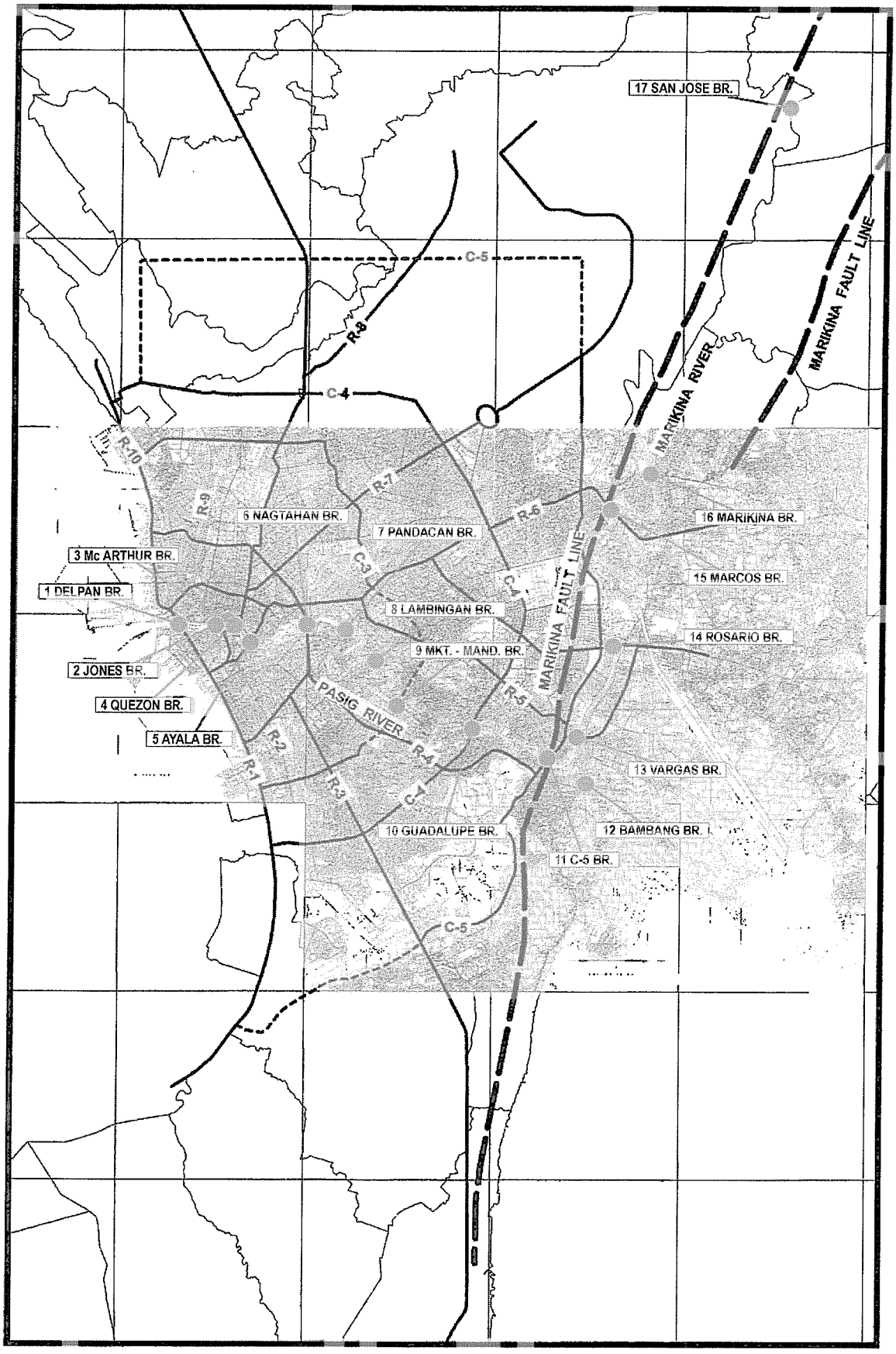
CHAPTER 5

TRAFFIC SURVEY AND ANALYSIS



Location Map of Traffic Survey

Appendix 5.1.2-1 (2/10)

THE STUDY ON THE IMPROVEMENT OF EXISTING BRIDGES ALONG MARIKINA - PASIG RIVER

SUMMARY
MANUAL TRAFFIC CLASSIFICATION COUNT

Name of Bridge: **(1) DELPAN BRIDGE** Date: 11/27/02 & 12/01/02
Sta No & Location: RTC-01, Delpan Bridge, City of Manila Day: Wed. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	29,060	1.54	44,721	1.00	44,721	40,964	1.00	**40,964**
	2	22,469	1.66	37,207	1.00	37,207			
Jeepney	1	3,134	1.38	4,320	1.00	4,320	3,573	1.00	**3,573**
	2	1,945	1.45	2,825	1.00	2,825			
Large Bus	1	86	1.91	164	1.00	164	116	1.00	**116**
	2	45	1.51	68	1.00	68			
Truck 2-3 axle	1	3,566	1.78	6,341	1.00	6,341	4,103	1.00	**4,103**
	2	953	1.96	1,864	1.00	1,864			
Truck 4 or More Axle	1	2,502	2.13	5,319	1.00	5,319	3,425	1.00	**3,425**
	2	441	3.47	1,531	1.00	1,531			
Sub-Total (AADT1)	1	38,348		60,865			52,180		**52,180**
	2	25,853		43,495					
Tricycle	1	1,360	1.73	2,357	1.00	2,357	1,417	1.00	**1,417**
	2	367	1.30	477	1.00	477			
Motorcycle	1	1,877	1.49	2,803	1.00	2,803	2,578	1.00	**2,578**
	2	1,281	1.84	2,353	1.00	2,353			
Total (AADT2)	1	41,585		66,025		5,160	56,175		**56,175**
	2	27,501		46,325		2,830			

Name of Bridge: **(2) JONES BRIDGE** Date: 11/28/02 & 12/01/02
Sta No & Location: RTC-02, Jones Bridge, City of Manila Day: Thurs. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	26,649	1.54	40,910	1.00	40,910	41,617	1.00	**41,617**
	2	25,934	1.63	42,324	1.00	42,324			
Jeepney	1	6,436	1.41	9,060	1.00	9,060	9,243	1.00	**9,243**
	2	6,619	1.42	9,425	1.00	9,425			
Large Bus	1	54	2.46	133	1.00	133	190	1.00	**190**
	2	137	1.80	246	1.00	246			
Truck 2-3 axle	1	346	1.85	639	1.00	639	517	1.00	**517**
	2	187	2.11	394	1.00	394			
Truck 4 or More Axle	1	15	7.07	106	1.00	106	90	1.00	**90**
	2	55	1.35	74	1.00	74			
Sub-Total (AADT1)	1	33,500		50,848			51,656		**51,656**
	2	32,932		52,463					
Tricycle	1	233	3.66	852	1.00	852	899	1.00	**899**
	2	228	4.15	946	1.00	946			
Motorcycle	1	2,901	1.30	3,763	1.00	3,763	2,779	1.00	**2,779**
	2	1,049	1.71	1,795	1.00	1,795			
Total (AADT2)	1	36,634		55,463		4,615	55,334		**55,334**
	2	34,209		55,204		2,741			

Note: AADT1: excluding Tricycle and Motorcycle
AADT2: including Tricycle and Motorcycle

Appendix 5.1.2-1 (3/10)

THE STUDY ON THE IMPROVEMENT OF EXISTING BRIDGES ALONG MARIKINA - PASIG RIVER

SUMMARY
MANUAL TRAFFIC CLASSIFICATION COUNT

Name of Bridge: **(3) MC ARTHUR BRIDGE** Date: 11/28/02 & 12/01/02
Sta No & Location: RTC-03, Mc Arthur Bridge, City of Manila Day: Thurs. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	14,391	1.51	21,799	1.00	21,799	21,347	1.00	**21,347**
	2	12,829	1.63	20,894	1.00	20,894			
Jeepney	1	10,022	1.45	14,505	1.00	14,505	14,385	1.00	**14,385**
	2	9,223	1.55	14,264	1.00	14,264			
Large Bus	1	95	1.25	1,132	1.00	1,132	1,051	1.00	**1,051**
	2	705	1.38	970	1.00	970			
Truck 2-3 axle	1	98	2.13	209	1.00	209	194	1.00	**194**
	2	86	2.07	178	1.00	178			
Truck 4 or More Axle	1	10	1.80	18	1.00	18	9	1.00	**9**
	2	0	0.00	0	1.00	0			
Sub-Total (AADT1)	1	25,426		37,663			36,985		**36,985**
	2	22,843		36,306					
Tricycle	1	37	2.76	102	1.00	102	98	1.00	**98**
	2	33	2.82	93	1.00	93			
Motorcycle	1	1,895	1.25	2,362	1.00	2,362	1,776	1.00	**1,776**
	2	701	1.70	1,189	1.00	1,189			
Total (AADT2)	1	27,358		40,127		2,464	38,858		**38,858**
	2	23,577		37,588		1,282			

Name of Bridge: **(4) QUEZON BRIDGE** Date: 11/27/02 & 12/01/02
Sta No & Location: RTC-04, Quezon Bridge, City of Manila Day: Wed. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	31,304	1.53	47,934	1.00	47,934	44,535	1.00	**44,535**
	2	23,359	1.76	41,136	1.00	41,136			
Jeepney	1	14,202	1.50	21,279	1.00	21,279	21,693	1.00	**21,693**
	2	15,392	1.44	22,106	1.00	22,106			
Large Bus	1	1,455	1.29	1,880	1.00	1,880	1,380	1.00	**1,380**
	2	664	1.33	880	1.00	880			
Truck 2-3 axle	1	559	3.12	1,743	1.00	1,743	1,328	1.00	**1,328**
	2	143	6.38	913	1.00	913			
Truck 4 or More Axle	1	122	2.14	261	1.00	261	174	1.00	**174**
	2	23	3.78	87	1.00	87			
Sub-Total (AADT1)	1	47,642		73,097			69,110		**69,110**
	2	39,581		65,122					
Tricycle	1	38	2.82	107	1.00	107	89	1.00	**89**
	2	26	2.69	70	1.00	70			
Motorcycle	1	658	1.55	1,019	1.00	1,019	852	1.00	**852**
	2	386	1.77	685	1.00	685			
Total (AADT2)	1	48,338		74,223		1,126	70,050		**70,050**
	2	39,993		65,877		755			

Note: AADT1: excluding Tricycle and Motorcycle
AADT2: including Tricycle and Motorcycle

Appendix 5.1.2-1 (4/10)

THE STUDY ON THE IMPROVEMENT OF EXISTING BRIDGES ALONG MARIKINA - PASIG RIVER

SUMMARY
MANUAL TRAFFIC CLASSIFICATION COUNT

Name of Bridge: **(5) AYALA BRIDGE** Date: 11/28/02 & 12/01/02
Sta No & Location: RTC-05, Ayala Bridge, City of Manila Day: Thurs. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	25,009	1.46	36,573	1.00	36,573	33,533	1.00	**33,533**
	2	17,989	1.70	30,493	1.00	30,493			
Jeepney	1	1,031	1.21	1,249	1.00	1,249	944	1.00	**944**
	2	374	1.71	638	1.00	638			
Large Bus	1	611	1.40	854	1.00	854	722	1.00	**722**
	2	396	1.49	589	1.00	589			
Truck 2-3 axle	1	526	1.72	907	1.00	907	679	1.00	**679**
	2	211	2.13	450	1.00	450			
Truck 4 or More Axle	1	147	4.04	594	1.00	594	417	1.00	**417**
	2	36	6.64	239	1.00	239			
Sub-Total (AADT1)	1	27,324		40,177			36,293		**36,293**
	2	19,006		32,409					
Tricycle	1	114	1.46	167	1.00	167	181	1.00	**181**
	2	164	1.18	194	1.00	194			
Motorcycle	1	1,635	1.36	2,231	1.00	2,231	1,600	1.00	**1,600**
	2	582	1.66	968	1.00	968			
Total (AADT2)	1	29,073		42,575		2,398	38,073		**38,073**
	2	19,752		33,571		1,162			

Name of Bridge: **(6) NAGTAHAN BRIDGE** Date: 11/27/02 & 12/01/02
Sta No & Location: RTC-06, Nagtahan Bridge, City of Manila Day: Wed. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	43,857	1.61	70,482	1.00	70,482	65,424	1.00	**65,424**
	2	30,880	1.95	60,365	1.00	60,365			
Jeepney	1	1,696	1.62	2,745	1.00	2,745	2,388	1.00	**2,388**
	2	1,217	1.67	2,030	1.00	2,030			
Large Bus	1	185	1.98	366	1.00	366	328	1.00	**328**
	2	142	2.04	290	1.00	290			
Truck 2-3 axle	1	3,388	2.03	6,877	1.00	6,877	4,970	1.00	**4,970**
	2	1,407	2.18	3,062	1.00	3,062			
Truck 4 or More Axle	1	509	2.09	1,065	1.00	1,065	818	1.00	**818**
	2	194	2.94	570	1.00	570			
Sub-Total (AADT1)	1	49,635		81,535			73,926		**73,926**
	2	33,840		66,317					
Tricycle	1	0	0.00	0	1.00	0	0	1.00	**0**
	2	0	0.00	0	1.00	0			
Motorcycle	1	3,339	1.40	4,676	1.00	4,676	3,604	1.00	**3,604**
	2	1,508	1.68	2,532	1.00	2,532			
Total (AADT2)	1	52,974		86,211		4,676	77,530		**77,530**
	2	35,348		68,849		2,532			

Note: AADT1: excluding Tricycle and Motorcycle
AADT2: including Tricycle and Motorcycle

Appendix 5.1.2-1 (5/10)

THE STUDY ON THE IMPROVEMENT OF EXISTING BRIDGES ALONG MARIKINA - PASIG RIVER

SUMMARY
MANUAL TRAFFIC CLASSIFICATION COUNT

Name of Bridge: **(7) PANDACAN BRIDGE** Date: 11/28/02 & 12/01/02
Sta No & Location: RTC-07, Pandacan Bridge, City of Manila Day: Thurs. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	14,885	1.48	22,087	1.00	22,087	19,241	1.00	**19,241**
	2	9,370	1.75	16,395	1.00	16,395			
Jeepney	1	4,133	1.52	6,268	1.00	6,268	6,486	1.00	**6,486**
	2	4,361	1.54	6,703	1.00	6,703			
Large Bus	1	14	1.50	21	1.00	21	13	1.00	**13**
	2	3	1.33	4	1.00	4			
Truck 2-3 axle	1	735	1.40	1,030	1.00	1,030	696	1.00	**696**
	2	198	1.82	361	1.00	361			
Truck 4 or More Axle	1	112	4.25	210	1.00	210	131	1.00	**131**
	2	12	2.50	51	1.00	51			
Sub-Total (AADT1)	1	19,879		29,616			26,565		**26,565**
	2	13,944		23,514					
Tricycle	1	411	1.67	687	1.00	687	610	1.00	**610**
	2	296	1.80	533	1.00	533			
Motorcycle	1	2,210	1.29	2,854	1.00	2,854	2,116	1.00	**2,116**
	2	895	1.54	1,377	1.00	1,377			
Total (AADT2)	1	22,500		33,157		3,541	29,291		**29,291**
	2	15,135		25,424		1,910			

Name of Bridge: **(8) LAMBINGAN BRIDGE** Date: 11/29/02 & 12/01/02
Sta No & Location: RTC-08, Lambingan Bridge, City of Mandaluyong Day: Fri. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	14,885	1.48	22,087	1.00	22,087	19,241	1.00	**19,241**
	2	9,370	1.75	16,395	1.00	16,395			
Jeepney	1	4,133	1.52	6,268	1.00	6,268	6,486	1.00	**6,486**
	2	4,361	1.54	6,703	1.00	6,703			
Large Bus	1	14	1.50	21	1.00	21	13	1.00	**13**
	2	3	1.33	4	1.00	4			
Truck 2-3 axle	1	735	1.40	1,030	1.00	1,030	696	1.00	**696**
	2	198	1.82	361	1.00	361			
Truck 4 or More Axle	1	112	4.25	210	1.00	210	131	1.00	**131**
	2	12	2.50	51	1.00	51			
Sub-Total (AADT1)	1	19,879		29,616			26,565		**26,565**
	2	13,944		23,514					
Tricycle	1	411	1.67	687	1.00	687	610	1.00	**610**
	2	296	1.80	533	1.00	533			
Motorcycle	1	2,210	1.29	2,854	1.00	2,854	2,116	1.00	**2,116**
	2	895	1.54	1,377	1.00	1,377			
Total (AADT2)	1	22,500		33,157		3,541	29,291		**29,291**
	2	15,135		25,424		1,910			

Note: AADT1: excluding Tricycle and Motorcycle
AADT2: including Tricycle and Motorcycle

Appendix 5.1.2-1 (6/10)

THE STUDY ON THE IMPROVEMENT OF EXISTING BRIDGES ALONG MARIKINA - PASIG RIVER

SUMMARY
MANUAL TRAFFIC CLASSIFICATION COUNT

Name of Bridge: **(9) MAKATI-MANDALUYONG BRIDGE** Date: 11/27/02 & 12/01/02
Sta No & Location: RTC-09, Makati-Mandaluyong Bridge Day: Wed. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	27,746	1.59	44,062.00	1.00	44,062	35,353	1.00	**35,353**
	2	15,240	1.75	26,643.00	1.00	26,643			
Jeepney	1	0	0.00	0.00	1.00	0	2	1.00	**2**
	2	0	0.00	4.00	1.00	4			
Large Bus	1	36	1.36	49.00	1.00	49	43	1.00	**43**
	2	30	1.23	37.00	1.00	37			
Truck 2-3 axle	1	1,315	1.38	1,818.00	1.00	1,818	1,068	1.00	**1,068**
	2	207	1.53	317.00	1.00	317			
Truck 4 or More Axle	1	44	2.02	89.00	1.00	89	55	1.00	**55**
	2	8	2.50	20.00	1.00	20			
Sub-Total (AADT1)	1	29,141		46,018.00			36,520		**36,520**
	2	15,485		27,021.00					
Tricycle	1	1,719	1.58	2,712.00	1.00	2,712	1,966	1.00	**1,966**
	2	615	1.98	1,219.00	1.00	1,219			
Motorcycle	1	4,000	1.24	4,963.00	1.00	4,963	3,248	1.00	**3,248**
	2	857	1.79	1,532.00	1.00	1,532			
Total (AADT2)	1	34,860		53,693.00		7,675	41,733		**41,733**
	2	16,957		29,772.00		2,751			

Name of Bridge: **(10) GUADALUPE BRIDGE** Date: 11/19/02 & 11/24/02
Sta No & Location: RTC-10, Guadalupe Bridge, City of Mandaluyong Day: Thurs. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	100,246	1.62	162,874	1.00	162,874	142,973	1.00	**142,973**
	2	68,798	1.79	123,072	1.00	123,072			
Jeepney	1	0	0.00	0	1.00	0	0	1.00	**0**
	2	0	0.00	0	1.00	0			
Large Bus	1	9,818	1.57	15,453	1.00	15,453	15,296	1.00	**15,296**
	2	9,509	1.59	15,138	1.00	15,138			
Truck 2-3 axle	1	452	5.37	2,429	1.00	2,429	2,274	1.00	**2,274**
	2	867	2.44	2,119	1.00	2,119			
Truck 4 or More Axle	1	39	13.87	541	1.00	541	387	1.00	**387**
	2	48	4.83	232	1.00	232			
Sub-Total (AADT1)	1	110,555		181,297			160,929		**160,929**
	2	79,222		140,561					
Tricycle	1	0	0.00	0	1.00	0	0	1.00	**0**
	2	0	0.00	0	1.00	0			
Motorcycle	1	4,374	1.34	5,868	1.00	5,868	3,897	1.00	**3,897**
	2	1,115	1.73	1,926	1.00	1,926			
Total (AADT2)	1	114,929		187,165		5,868	164,826		**164,826**
	2	80,337		142,487		1,926			

Note: AADT1: excluding Tricycle and Motorcycle
AADT2: including Tricycle and Motorcycle

Appendix 5.1.2-1 (7/10)

THE STUDY ON THE IMPROVEMENT OF EXISTING BRIDGES ALONG MARIKINA - PASIG RIVER

SUMMARY
MANUAL TRAFFIC CLASSIFICATION COUNT

Name of Bridge: **(11) C-5 BRIDGE** Date: 11/21/02 & 11/24/02
Sta No & Location: RTC-11, C-5 Bridge, City of Pasig Day: Thurs. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	57,459	1.494	85,838	1.00	85,838.00	71,427.00	1.00	**71,427**
	2	33,788	1.687	57,016	1.00	57,016.00			
Jeepney	1	0	0	0	1.00	0.00	0.00	1.00	**0**
	2	0	0	0	1.00	0.00			
Large Bus	1	250	2	394	1.00	394.00	337.50	1.00	**338**
	2	182	2	281	1.00	281.00			
Truck 2-3 axle	1	4,811	2	7,597	1.00	7,597.00	5,660.50	1.00	**5,661**
	2	1,952	2	3,724	1.00	3,724.00			
Truck 4 or More Axle	1	793	3	2,034	1.00	2,034.00	2,171.50	1.00	**2,172**
	2	730	3	2,309	1.00	2,309.00			
Sub-Total (AADT1)	1	63,313		95,863			79,596.50		**79,597**
	2	36,562		6,330					
Tricycle	1	270	1	335	1.00	335.00	255.50	1.00	**256**
	2	91	2	176	1.00	176.00			
Motorcycle	1	4,108	1	5,451	1.00	5,451.00	4,175.50	1.00	**4,176**
	2	1,813	2	2,900	1.00	2,900.00			
Total (AADT2)	1	67,691		101,649		5,786.00	84,027.50		**84,028**
	2	38,556		66,406		3,076.00			

Name of Bridge: **(12) BAMBANG BRIDGE** Date: 11/22/02 & 11/24/02
Sta No & Location: RTC-12, Bambang Bridge, City of Pasig Day: Fri. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	3,602	1.73	6,214	1.00	6,214	6,348	1.00	**6,348**
	2	3,670	1.77	6,482	1.00	6,482			
Jeepney	1	5,416	1.63	8,817	1.00	8,817	9,107	1.00	**9,107**
	2	6,163	1.52	9,397	1.00	9,397			
Large Bus	1	15	1.60	24	1.00	24	14	1.00	**14**
	2	3	1.00	3	1.00	3			
Truck 2-3 axle	1	306	1.57	481	1.00	481	381	1.00	**381**
	2	111	2.53	281	1.00	281			
Truck 4 or More Axle	1	5	5.60	28	1.00	28	28	1.00	**28**
	2	6	4.50	27	1.00	27			
Sub-Total (AADT1)	1	9,344		15,564			15,877		**15,877**
	2	9,953		16,190					
Tricycle	1	4,744	1.61	7,656	1.00	7,656	7,264	1.00	**7,264**
	2	3,818	1.80	6,871	1.00	6,871			
Motorcycle	1	1,393	1.70	2,363	1.00	2,363	2,206	1.00	**2,206**
	2	1,218	1.68	2,048	1.00	2,048			
Total (AADT2)	1	15,481		25,583		10,019	25,346		**25,346**
	2	14,989		25,109		8,919			

Note: AADT1: excluding Tricycle and Motorcycle
AADT2: including Tricycle and Motorcycle

Appendix 5.1.2-1 (8/10)

THE STUDY ON THE IMPROVEMENT OF EXISTING BRIDGES ALONG MARIKINA - PASIG RIVER

SUMMARY
MANUAL TRAFFIC CLASSIFICATION COUNT

Name of Bridge: **(13) VARGAS BRIDGE**
Sta No & Location: RTC-13, Vargas Bridge, City of Pasig

Date: 11/21/02 & 11/24/02
Day: Thurs. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	20,423	1.57	32,063	1.00	32,063	29,854	1.00	**29,854**
	2	16,652	1.66	27,644	1.00	27,644			
Jeepney	1	8,310	1.56	12,954	1.00	12,954	12,187	1.00	**12,187**
	2	7,519	1.52	11,419	1.00	11,419			
Large Bus	1	30	1.60	48	1.00	48	30	1.00	**30**
	2	7	1.57	11	1.00	11			
Truck 2-3 axle	1	1,517	1.47	2,228	1.00	2,228	1,372	1.00	**1,372**
	2	214	2.41	515	1.00	515			
Truck 4 or More Axle	1	457	1.32	602	1.00	602	351	1.00	**351**
	2	50	2.00	100	1.00	100			
Sub-Total (AADT1)	1	30,737		47,895			43,792		**43,792**
	2	24,442		39,689					
Tricycle	1	1,844	1.53	2,826	1.00	2,826	2,745	1.00	**2,745**
	2	1,409	1.89	2,664	1.00	2,664			
Motorcycle	1	2,948	1.33	3,912	1.00	3,912	3,173	1.00	**3,173**
	2	1,425	1.71	2,434	1.00	2,434			
Total (AADT2)	1	35,529		54,633		6,738	49,710		**49,710**
	2	27,276		44,787		5,098			

Name of Bridge: **(14) ROSARIO BRIDGE**
Sta No & Location: RTC-14, Rosario Bridge, City of Pasig

Date: 11/19/02 & 11/24/02
Day: Tues. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	30,799	1.76	54,121	1.00	54,121	51,440	1.00	**51,440**
	2	29,661	1.64	48,758	1.00	48,758			
Jeepney	1	6,571	1.81	11,893	1.00	11,893	12,386	1.00	**12,386**
	2	7,939	1.62	12,878	1.00	12,878			
Large Bus	1	1,088	1.64	1,788	1.00	1,788	1,770	1.00	**1,770**
	2	1,133	1.55	1,751	1.00	1,751			
Truck 2-3 axle	1	3,805	1.85	7,026	1.00	7,026	4,461	1.00	**4,461**
	2	788	2.40	1,895	1.00	1,895			
Truck 4 or More Axle	1	338	2.44	824	1.00	824	823	1.00	**823**
	2	258	3.18	821	1.00	821			
Sub-Total (AADT1)	1	42,601		75,652			70,878		**70,878**
	2	39,779		66,103					
Tricycle	1	15	3.87	58	1.00	58	78	1.00	**78**
	2	35	2.80	98	1.00	98			
Motorcycle	1	3,104	1.33	4,126	1.00	4,126	3,269	1.00	**3,269**
	2	1,463	1.65	2,411	1.00	2,411			
Total (AADT2)	1	45,720		79,836		4,184	74,224		**74,224**
	2	41,277		68,612		2,509			

Note: AADT1: excluding Tricycle and Motorcycle
AADT2: including Tricycle and Motorcycle

Appendix 5.1.2-1 (9/10)

THE STUDY ON THE IMPROVEMENT OF EXISTING BRIDGES ALONG MARIKINA - PASIG RIVER

SUMMARY
MANUAL TRAFFIC CLASSIFICATION COUNT

Name of Bridge: **(15) MARCOS BRIDGE**
Sta No & Location: RTC-15, Marcos Bridge, City of Marikina

Date: 11/19/02 & 11/24/02
Day: Tues. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	33,882	1.56	52,778	1.00	52,778	54,936	1.00	**54,936**
	2	28,501	2.00	57,094	1.00	57,094			
Jeepney	1	5,905	1.52	8,960	1.00	8,960	9,932	1.00	**9,932**
	2	7,306	1.49	10,903	1.00	10,903			
Large Bus	1	225	1.70	383	1.00	383	343	1.00	**343**
	2	179	1.69	302	1.00	302			
Truck 2-3 axle	1	2,862	1.59	4,552	1.00	4,552	3,052	1.00	**3,052**
	2	599	2.59	1,551	1.00	1,551			
Truck 4 or More Axle	1	119	2.18	260	1.00	260	204	1.00	**204**
	2	38	3.87	147	1.00	147			
Sub-Total (AADT1)	1	42,993		66,933			68,465		**68,465**
	2	36,623		69,997					
Tricycle	1	34	3.35	114	1.00	114	172	1.00	**172**
	2	114	2.02	230	1.00	230			
Motorcycle	1	2,554	1.34	3,430	1.00	3,430	2,848	1.00	**2,848**
	2	1,332	1.70	2,265	1.00	2,265			
Total (AADT2)	1	45,581		70,477		3,544	71,485		**71,485**
	2	38,069		72,492		2,495			

Name of Bridge: **(16) MARIKINA BRIDGE**
Sta No & Location: RTC-16, Marikina Bridge, City of Marikina

Date: 11/19/02 & 11/24/02
Day: Tues. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	22,310	1.61	35,926	1.00	35,926	36,131	1.00	**36,131**
	2	21,346	1.70	36,335	1.00	36,335			
Jeepney	1	6,140	1.59	9,783	1.00	9,783	10,339	1.00	**10,339**
	2	6,853	1.59	10,894	1.00	10,894			
Large Bus	1	259	1.64	424	1.00	424	416	1.00	**416**
	2	236	1.72	407	1.00	407			
Truck 2-3 axle	1	834	1.42	1,184	1.00	1,184	1,016	1.00	**1,016**
	2	400	2.12	848	1.00	848			
Truck 4 or More Axle	1	10	4.20	42	1.00	42	39	1.00	**39**
	2	14	2.50	35	1.00	35			
Sub-Total (AADT1)	1	29,553		47,359			47,939		**47,939**
	2	28,849		48,519					
Tricycle	1	1,160	1.56	1,806	1.00	1,806	1,881	1.00	**1,881**
	2	1,209	1.62	1,955	1.00	1,955			
Motorcycle	1	4,008	1.47	5,884	1.00	5,884	4,873	1.00	**4,873**
	2	2,246	1.72	3,862	1.00	3,862			
Total (AADT2)	1	34,721		55,049		7,690	54,693		**54,693**
	2	32,304		54,336		5,817			

Note: AADT1: excluding Tricycle and Motorcycle
AADT2: including Tricycle and Motorcycle

Appendix 5.1.2-1 (10/10)

THE STUDY ON THE IMPROVEMENT OF EXISTING BRIDGES ALONG MARIKINA - PASIG RIVER

SUMMARY
MANUAL TRAFFIC CLASSIFICATION COUNT

Name of Bridge: **(17) SAN JOSE BRIDGE** Date: 11/18/02 & 11/24/02
Sta No & Location: RTC-17, San Jose Bridge, Rodriguez, Rizal Day: Mon. & Sun.

Vehicle Type		12-hour Count	24-hour Factor(24/12)	24-Hour Count	Daily Factor	Average Daily Traffic (ADT)		Seasonal Factor	AADT
Car/Taxi/Jeep/Pick Up/Van	1	2,463	1.40	3,446	1.00	3,446	3,647	1.00	**3,647**
	2	2,889	1.33	3,848	1.00	3,848			
Jeepney	1	387	1.64	635	1.00	635	656	1.00	**656**
	2	493	1.37	676	1.00	676			
Large Bus	1	4	3.00	12	1.00	12	6	1.00	**6**
	2	0	0.00	0	1.00	0			
Truck 2-3 axle	1	985	1.18	1,162	1.00	1,162	839	1.00	**839**
	2	367	1.41	516	1.00	516			
Truck 4 or More Axle	1	65	1.65	107	1.00	107	55	1.00	**55**
	2	3	1.00	3	1.00	3			
Sub-Total (AADT1)	1	3,904		5,362			5,203		**5,203**
	2	3,752		5,043					
Tricycle	1	7,509	1.40	10,547	1.00	10,547	10,962	1.00	**10,962**
	2	8,516	1.34	11,377	1.00	11,377			
Motorcycle	1	1,076	1.40	1,507	1.00	1,507	1,629	1.00	**1,629**
	2	1,330	1.32	1,751	1.00	1,751			
Total (AADT2)	1	12,489		17,416		12,054	17,794		**17,794**
	2	13,598		18,171		13,128			

OD Traffic Volume in 2002 (Passenger Car)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	44,952	12,816	3,745	3,993	2,998	5,466	1,399	658	1,725	6,017	5,323	1,364	4,208	611	8,325	1,415	4,924	3,575	956	874	1,362	1,043	672	841	2,343	861	659	1,348	88	312	1,363	100	126,336
2	12,604	20,095	2,006	3,054	2,407	6,308	1,210	1,655	1,759	8,658	3,738	2,622	4,313	1,042	2,474	473	731	1,400	531	1,925	870	954	204	618	1,610	688	355	604	14	155	1,243	106	86,426
3	3,805	2,045	5,615	9,306	4,807	1,771	828	524	674	1,324	2,371	1,126	3,575	509	864	522	465	595	312	252	669	770	505	412	4,353	2,983	98	651	18	-	1,179	256	53,184
4	4,075	3,503	7,540	28,630	9,656	8,786	2,155	1,730	1,040	1,848	1,044	1,936	2,580	810	716	414	469	253	142	1,012	398	1,533	817	1,341	5,227	2,594	208	1,361	-	-	1,061	58	92,937
5	3,122	2,656	3,937	11,222	57,320	18,197	4,021	1,977	1,322	2,112	1,737	1,556	2,756	406	744	529	280	547	245	2,158	1,929	3,365	1,969	4,097	15,813	5,686	262	1,345	99	292	1,905	150	153,756
6	5,825	6,257	1,426	8,382	18,077	69,498	13,272	3,353	3,823	4,509	3,873	4,651	6,147	1,811	2,144	1,135	619	1,099	860	7,885	2,872	3,090	2,826	4,985	11,244	5,798	278	2,308	551	120	3,688	148	202,554
7	1,216	1,266	858	1,848	3,267	14,337	9,240	571	516	850	696	1,906	1,717	158	138	200	-	301	80	1,426	1,920	991	2,344	535	1,686	703	-	337	45	-	1,155	48	50,355
8	483	1,699	765	1,514	2,279	3,063	794	10,706	2,713	2,100	1,323	1,505	1,673	392	314	422	129	273	-	2,298	1,960	2,556	442	411	2,021	650	111	23	24	90	722	52	43,507
9	1,443	1,493	661	1,364	1,438	3,366	509	2,255	23,225	6,790	1,241	3,461	4,466	870	482	185	61	226	38	1,445	388	1,813	14	202	1,630	686	45	163	63	-	365	162	60,550
10	6,152	8,424	1,495	2,001	2,123	4,663	828	1,418	5,823	26,889	8,519	13,143	12,378	6,018	1,862	907	825	1,740	1,723	2,166	586	1,395	435	71	1,637	331	504	536	108	242	2,076	160	117,178
11	5,079	4,009	2,465	1,478	1,737	3,621	383	1,275	1,106	7,693	34,638	5,676	17,582	4,112	4,811	2,080	1,147	683	661	1,263	142	944	329	486	1,853	369	303	205	-	-	329	138	106,597
12	1,247	2,166	1,096	1,805	1,702	4,355	1,707	1,511	3,894	14,078	5,749	25,614	14,453	4,980	511	640	379	952	950	3,389	1,684	3,696	532	539	2,503	809	430	334	94	116	2,412	360	104,687
13	4,140	4,195	4,006	2,412	2,882	5,853	1,241	1,991	4,516	11,865	17,155	14,350	98,160	15,671	6,008	4,881	1,858	829	486	1,366	482	1,862	557	426	3,383	634	1,463	1,169	165	269	2,469	116	216,860
14	718	1,009	347	773	718	1,358	104	347	918	5,138	4,741	4,662	15,477	5,101	1,122	473	590	274	228	678	238	489	-	139	1,649	481	341	210	-	-	680	42	49,045
15	8,939	2,693	819	466	511	2,591	100	344	537	1,942	4,916	602	5,122	992	32,194	1,980	7,920	1,949	620	586	365	626	380	515	865	152	108	192	-	340	131	20	79,517
16	1,896	383	623	365	301	968	193	532	299	767	2,429	431	4,481	583	2,196	21,050	1,844	164	-	78	89	226	-	-	1,479	230	572	169	50	169	153	-	42,720
17	4,548	1,014	573	309	228	1,036	-	99	64	703	1,163	512	1,749	445	6,780	1,925	16,291	2,606	558	427	172	126	244	-	760	283	353	194	-	191	611	48	44,012
18	3,171	1,304	666	187	533	1,155	203	380	146	1,796	857	659	963	313	1,797	173	2,641	18,151	6,485	1,260	410	147	208	104	552	-	-	146	99	-	2,445	58	47,009
19	809	513	321	171	324	628	81	-	-	1,732	690	1,144	547	203	638	-	919	6,271	10,330	1,790	182	183	113	30	141	44	-	32	50	105	1,508	6	29,505
20	789	1,680	119	706	2,171	7,302	1,373	2,421	1,629	2,175	1,349	3,576	2,225	578	428	79	371	1,351	1,713	16,457	5,381	6,481	165	820	3,091	1,164	292	609	239	60	4,513	696	72,003
21	1,021	637	478	527	2,097	2,819	1,982	1,959	186	391	158	1,711	598	471	300	53	103	462	189	6,197	9,858	2,166	268	398	1,155	171	-	432	46	70	1,736	230	38,869
22	736	723	757	1,207	3,448	2,792	1,194	2,241	1,665	2,046	917	4,447	2,241	592	952	425	298	179	188	5,239	2,060	4,842	1,386	260	1,305	522	20	209	-	-	1,530	148	44,569
23	893	118	456	753	2,079	2,981	2,461	776	14	343	260	666	391	29	586	-	226	245	74	197	170	1,015	1,413	1,348	669	703	209	1,534	64	-	336	22	21,031
24	890	653	500	1,307	4,102	4,493	430	642	209	229	315	590	503	225	602	-	-	100	29	747	237	396	1,329	7,041	4,110	827	59	205	-	-	102	20	30,892
25	2,234	1,679	4,299	5,707	16,211	11,214	1,868	2,360	986	1,136	2,044	2,016	3,399	1,496	860	1,483	807	453	198	3,044	1,338	1,658	649	4,216	77,005	17,753	1,991	2,328	182	620	2,961	44	174,239
26	828	773	3,134	2,765	6,231	5,938	771	789	424	545	217	698	919	617	121	212	258	28	-	1,053	202	459	805	837	15,839	41,278	1,429	1,836	-	-	841	-	89,847
27	597	373	87	156	241	324	-	122	-	497	327	448	1,283	382	199	591	252	47	-	496	-	-	198	53	2,429	1,496	40,523	990	-	329	104	-	52,544
28	1,295	597	825	1,374	1,274	2,486	385	94	77	581	172	338	718	172	188	158	112	162	91	566	354	228	1,250	160	1,905	1,643	945	116,151	194	890	3,864	-	139,249
29	98	14	30	-	113	208	-	-	73	205	-	-	144	-	-	-	-	109	55	267	51	-	70	-	248	-	-	170	10,339	-	742	2,284	15,220
30	247	229	-	-	179	102	71	50	-	269	28	118	320	-	248	127	188	-	66	62	88	-	-	5	620	460	448	920	-	33	145	-	5,023
31	1,407	1,423	589	1,478	1,943	3,926	937	859	482	2,087	301	1,988	2,304	451	105	241	558	2,065	1,694	4,813	2,336	1,257	303	122	3,166	881	89	3,452	612	265	163,727	4,251	210,112
32	72	50	228	56	112	303	104	38	178	172	180	376	127	89	20	-	30	30	6	724	228	98	60	52	56	-	-	18	2,090	-	4,001	12,696	22,194
Total	125,331	86,489	50,466	95,316	153,509	201,908	49,844	43,677	60,023	117,487	108,471	103,892	217,519	50,129	78,729	42,773	45,295	47,119	29,508	72,140	39,021	44,409	20,487	31,064	172,347	90,880	52,095	140,181	15,234	4,668	210,097	22,419	2,622,527

OD Traffic Volume in 2002 (Jeepney)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	31,776	6,472	3,927	620	182	210	70	99	75	571	1,754	89	452	67	2,106	188	1,278	1,347	113	213	131	14	71	9	33	10	7	120	6	-	152	18	52,180
2	6,539	12,854	790	392	65	85	16	450	233	1,948	1,012	228	568	89	559	58	463	620	220	678	481	51	38	18	14	18	4	48	48	-	164	68	28,819
3	3,364	886	579	1,137	488	72	29	21	32	126	178	62	364	54	12	80	27	21	2	104	30	2	30	6	63	19	2	13	-	-	58	16	7,877
4	574	366	1,169	11,661	1,602	530	100	146	29	144	143	70	183	31	1	26	17	6	2	133	40	46	37	17	146	84	2	8	6	-	58	18	17,395
5	173	77	529	1,600	11,777	521	64	135	2	7	23	2	16	-	2	2	4	-	-	14	278	220	298	289	2,010	854	11	24	-	-	95	4	19,031
6	160	46	78	519	549	5,087	1,627	16	3	11	4	1	4	-	3	4	-	4	-	74	164	18	349	36	34	11	1	13	-	-	86	10	8,912
7	69	13	32	104	56	1,564	3,427	41	1	1	-	1	1	-	1	-	4	1	-	81	117	48	581	12	13	-	-	-	-	-	23	6	6,197
8	173	544	193	158	137	18	34	4,471	208	55	23	125	2	7	2	3	5	7	2	540	788	409	12	6	140	26	3	41	34	-	136	68	8,370
9	75	230	28	23	1	2	1	200	1,864	590	52	265	93	25	2	4	3	16	2	272	110	41	1	-	-	-	-	-	-	-	41	16	3,957
10	582	1,787	122	158	9	9	-	58	621	4,038	705	2,176	1,029	348	42	37	55	340	161	1,024	81	3	11	-	1	10	4	37	7	-	2,014	214	15,683
11	1,998	985	1,120	99	3	10	-	25	58	729	5,625	254	2,547	419	1,021	230	167	65	26	77	23	7	13	-	1	2	8	9	-	-	17	-	15,538
12	82	219	66	73	2	2	1	120	251	2,273	224	3,006	1,402	321	5	28	9	158	140	1,612	431	31	-	-	4	-	18	-	31	-	1,199	427	12,135
13	431	568	208	99	10	4	2	6	89	893	2,463	1,441	28,814	1,742	669	1,894	592	24	27	160	4	2	-	-	18	1	116	7	16	46	58	7	40,411
14	60	78	58	30	4	-	-	4	20	413	409	317	1,742	299	31	34	28	11	7	44	-	-	-	-	-	-	-	-	-	-	14	3	3,606
15	2,071	575	11	2	3	3	2	6	1	42	1,033	8	660	35	10,686	481	4,555	577	109	18	-	-	1	-	5	12	4	14	18	-	-	-	20,932
16	194	61	17	4	-	1	-	-	17	38	220	50	1,858	30	496	5,686	539	10	2	-	-	2	1	-	462	52	43	42	-	-	4	-	9,829
17	1,303	454	6	1	2	9	-	4	4	37	187	14	575	26	4,503	529	7,353	911	162	7	2	2	-	-	70	29	5	11	-	-	6	-	16,212
18	1,117	504	22	9	-	7	1	8	14	326	70	164	29	11	603	8	904	4,162	1,279	507	36	3	3	-	-	-	-	29	6	31	171	20	10,044
19	96	231	1	2	-	-	-	-	2	145	30	153	18	7	93	3	180	1,346	1,163	1,125	32	2	-	-	-	-	-	-	-	-	157	20	4,806
20	201	643	110	106	85	82	75	551	282	1,049	93	1,574	148	36	8	4	20	479	1,129	3,300	2,501	451	45	4	32	3	55	14	38	-	10,686	1,851	25,655
21	152	521	86	98	277	184	138	813	108	67	11	431	16	-	-	-	2	26	34	2,468	5,077	821	88	46	121	14	-	42	10	-	1,111	367	13,129
22	17	64	30	80	219	15	49	443	43	4	6	35	2	-	-	-	-	2	3	446	856	631	37	8	180	23	-	26	11	-	50	27	3,307
23	252	42	42	48	280	359	545	12	-	9	21	-	1	-	6	1	-	2	-	46	85	38	239	256	115	76	2	279	6	2	56	4	2,824
24	25	11	6	15	283	32	6	5	1	-	-	-	-	-	-	-	-	-	-	4	47	8	304	1,999	524	155	2	21	-	-	39	-	3,487
25	39	9	54	158	2,061	28	11	130	-	1	4	7	9	-	8	92	69	-	-	18	119	160	123	533	18,919	3,796	376	56	-	-	998	-	27,778
26	20	10	58	96	822	12	-	23	-	4	61	-	17	-	14	496	200	1	-	-	16	19	80	158	3,876	12,570	500	144	-	8	143	-	19,348
27	12	1	5	6	30	1	-	-	-	-	10	1	23	1	4	176	66	-	-	6	-	6	-	-	372	492	13,465	45	-	38	-	1	14,761
28	136	64	14	10	24	24	-	40	-	35	10	-	4	-	14	45	4	14	-	6	36	32	277	32	104	269	254	51,088	32	445	104	-	53,117
29	23	46	2	-	12	-	8	26	3	-	-	39	-	-	-	-	-	-	-	31	10	10	6	-	-	-	4	48	1,838	-	149	290	2,545
30	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	14	38	480	-	11	137	-	722
31	98	157	62	66	107	80	8	116	47	213	11	271	60	3	1	2	-	175	162	1,101	296	68	33	32	964	152	5	120	126	141	46,204	1,807	52,688
32	24	78	14	12	2	12	10	72	14	38	-	94	100	3	-	-	-	20	21	192	91	26	-	4	-	-	1	-	273	-	1,789	6,426	9,316
Total	51,836	28,596	9,439	17,386	19,092	8,963	6,224	8,041	4,022	13,807	14,395	10,878	40,737	3,554	20,892	10,111	16,544	10,374	4,766	14,301	11,882	3,171	2,678	3,465	28,221	16,692	14,930	52,779	2,506	722	65,919	11,688	530,611

OD Traffic Volume in 2002 (Truck)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	282	83	13	15	-	60	14	3	8	7	24	3	24	9	54	5	55	25	11	4	6	3	6	-	3	14	6	32	6	25	53	-	853
2	83	329	4	12	2	167	23	9	20	61	54	7	59	5	26	7	11	5	7	7	17	8	2	1	15	8	8	47	3	16	152	4	1,179
3	13	4	14	24	16	23	5	4	9	2	-	1	38	3	-	7	3	-	-	2	3	7	3	2	156	132	14	77	3	-	90	-	655
4	21	3	27	340	165	114	41	48	16	19	17	25	53	5	-	8	2	-	-	2	23	45	16	17	341	209	26	128	6	-	279	2	1,998
5	-	3	10	152	784	430	151	109	58	84	13	98	114	26	1	3	3	4	3	95	91	114	33	49	428	120	4	132	1	14	318	16	3,461
6	94	160	21	125	409	329	305	233	32	119	90	76	269	26	93	25	61	80	23	172	258	164	68	99	347	146	12	194	1	-	219	20	4,270
7	17	31	7	37	154	304	274	84	39	45	14	13	16	4	11	6	17	11	1	7	20	85	41	30	75	30	2	35	-	-	49	-	1,459
8	3	9	6	44	111	231	86	278	55	82	26	61	109	13	14	16	14	7	1	65	65	92	9	6	135	30	12	33	5	-	77	-	1,695
9	9	12	11	19	49	33	43	59	188	115	51	48	156	25	21	20	13	3	1	9	11	21	9	6	46	16	8	17	-	-	40	-	1,059
10	13	70	4	18	85	117	20	81	115	598	236	298	649	180	93	89	71	26	11	15	51	57	23	-	75	23	10	42	-	10	33	2	3,115
11	25	54	-	17	17	89	16	29	53	247	709	91	580	173	142	114	71	14	4	14	15	34	5	7	25	10	15	3	4	7	44	3	2,631
12	2	10	-	20	88	91	17	64	51	281	106	427	416	79	35	46	21	15	11	20	47	71	19	2	23	-	9	24	8	-	55	2	2,060
13	29	50	35	52	112	277	21	102	151	692	582	440	2,279	321	241	285	110	29	13	74	54	108	29	3	83	16	61	42	2	14	145	12	6,464
14	14	8	-	4	26	25	7	13	17	187	172	85	314	54	53	32	29	16	5	11	15	9	-	-	11	15	6	22	1	4	25	2	1,182
15	55	30	1	1	-	70	14	15	16	85	136	36	217	53	505	55	138	33	2	12	18	27	1	2	4	1	5	9	2	11	32	-	1,586
16	6	10	6	9	3	27	4	14	13	85	123	45	303	34	55	275	13	2	1	23	16	18	-	-	13	-	11	4	5	8	7	-	1,133
17	49	15	1	2	3	53	19	13	14	74	79	20	107	34	129	14	138	32	30	6	22	9	8	-	3	6	4	11	-	12	22	-	929
18	26	5	-	-	3	82	12	5	4	18	15	20	28	17	40	1	28	324	87	11	8	19	4	2	3	-	-	16	3	10	74	4	869
19	9	6	-	-	3	34	4	1	1	10	4	6	12	7	6	-	29	75	41	3	-	7	-	-	-	1	-	8	-	-	32	-	299
20	4	10	2	3	91	196	7	71	11	15	13	20	81	11	15	21	7	10	4	196	121	51	20	6	8	-	10	16	6	4	95	4	1,129
21	10	14	10	20	90	259	26	71	20	51	15	48	43	12	21	16	21	7	1	110	176	111	28	9	14	1	1	42	3	-	76	2	1,328
22	7	7	6	42	129	148	20	79	20	47	36	75	104	12	31	18	14	23	5	56	101	108	9	5	75	37	1	18	1	6	64	-	1,304
23	3	1	3	18	36	71	41	4	7	20	6	25	29	-	-	-	-	4	-	22	28	9	13	8	7	4	-	3	-	-	132	-	494
24	-	1	2	15	56	106	38	6	6	-	4	-	3	-	1	-	-	2	-	9	7	3	9	227	51	15	-	1	-	-	15	-	577
25	7	23	155	318	356	349	79	135	48	74	21	27	60	5	7	13	3	2	-	9	12	70	4	59	1,423	160	25	40	2	-	268	8	3,762
26	14	6	111	208	128	174	29	32	16	23	11	-	3	1	1	-	6	-	1	2	-	28	4	15	172	750	9	125	-	-	56	-	1,925
27	6	7	8	13	4	10	4	9	5	13	12	11	58	6	9	11	4	1	-	12	5	4	-	-	26	8	557	7	-	17	6	-	833
28	32	41	87	119	164	197	41	30	20	38	20	24	59	22	10	6	10	12	12	16	44	18	57	11	35	133	11	2,736	3	47	200	4	4,259
29	3	5	3	5	-	2	-	8	-	2	1	4	2	1	1	5	-	6	-	11	-	-	-	-	1	-	-	1	57	-	26	2	146
30	21	8	-	-	14	-	-	-	-	12	7	-	16	4	16	10	16	8	-	-	-	-	9	-	-	-	19	33	-	8	12	-	213
31	61	170	89	284	241	256	62	79	34	47	43	54	96	16	36	7	19	61	22	92	74	57	99	15	242	62	5	179	25	4	4,218	153	6,902
32	4	3	-	2	10	18	-	2	-	-	-	-	12	-	-	-	-	4	-	4	2	-	-	-	6	-	-	4	2	-	173	191	437
Total	922	1,188	636	1,938	3,349	4,342	1,423	1,690	1,047	3,153	2,640	2,088	6,309	1,158	1,667	1,115	927	841	297	1,091	1,310	1,357	528	581	3,846	1,947	851	4,081	149	217	7,087	431	60,206

OD Traffic Volume in 2002 (Bus)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	5,325	959	1,169	103	102	80	-	-	59	55	285	-	319	-	700	277	119	1,164	-	154	151	-	-	-	269	98	66	27	-	-	730	-	12,211
2	886	673	34	69	-	-	-	-	146	81	-	81	121	-	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165	-	2,332
3	1,297	98	1,778	835	-	-	-	-	-	-	-	-	323	-	43	-	-	376	-	19	159	-	-	-	-	161	-	-	-	-	103	-	5,192
4	-	111	1,244	1,494	385	850	353	-	-	-	-	-	211	-	-	85	-	91	-	29	-	219	388	224	-	-	-	-	-	-	-	-	5,684
5	-	111	-	323	1,598	185	234	194	-	-	-	-	-	114	-	-	-	-	-	-	-	-	-	360	452	-	-	31	-	-	80	-	3,682
6	521	-	-	909	225	864	-	-	-	123	-	-	-	-	-	237	-	157	-	148	-	-	-	-	-	-	-	-	-	-	12	-	3,196
7	-	110	-	148	216	-	-	-	-	-	438	-	-	-	-	-	-	-	-	-	196	-	-	-	158	-	-	-	-	-	-	-	1,266
8	-	-	-	-	132	-	-	1,418	-	-	97	122	-	-	79	117	-	-	-	-	-	-	-	-	-	63	16	-	-	-	-	-	2,044
9	86	88	-	-	-	49	-	-	284	117	-	-	163	-	-	-	-	-	-	42	-	164	-	-	-	-	-	-	-	-	-	-	993
10	-	-	-	-	-	93	41	47	238	882	248	-	-	-	-	-	352	-	-	-	-	-	-	-	-	-	-	70	-	-	36	-	2,007
11	139	69	142	195	-	-	87	-	-	217	5,430	154	267	273	167	113	-	-	-	-	-	49	-	-	219	-	-	75	-	-	-	44	7,640
12	-	-	-	-	-	-	-	153	-	-	144	1,198	164	-	64	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	348	-	2,091
13	398	92	179	143	120	-	-	64	124	77	103	-	2,876	917	247	843	18	-	-	95	-	-	-	-	283	-	9	5	-	152	41	92	6,878
14	-	-	-	-	92	-	-	-	-	-	287	-	908	-	231	121	-	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,804
15	800	-	-	-	-	-	-	-	-	-	152	86	350	237	1,823	-	-	-	-	-	91	90	-	-	105	-	82	69	-	69	152	-	4,106
16	299	-	-	-	-	39	-	-	138	-	256	-	613	169	-	811	-	-	-	47	-	-	-	-	38	96	64	22	-	-	-	32	2,624
17	158	-	-	-	-	-	-	-	-	44	-	29	140	-	-	-	733	153	-	49	-	-	-	-	-	-	-	-	-	-	88	-	1,400
18	999	-	520	126	-	143	-	-	-	-	-	-	-	162	-	-	239	-	-	-	122	-	-	-	-	-	-	34	-	-	-	-	2,345
19	-	-	-	-	-	-	-	-	-	-	156	-	-	-	-	-	-	-	353	66	236	-	-	-	-	-	-	-	-	-	305	-	1,116
20	147	-	19	41	47	41	-	-	24	22	-	119	171	-	93	29	69	-	77	315	-	207	-	-	-	-	-	-	-	-	654	-	2,075
21	346	111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131	418	-	835	-	-	-	298	-	-	24	-	-	452	89	2,704
22	67	-	-	-	30	-	-	181	126	-	-	-	-	-	74	-	-	-	-	-	-	1,203	-	-	-	-	-	-	-	-	219	-	1,900
23	-	-	132	229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	266	-	246	-	-	-	-	-	-	-	873
24	-	-	-	464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450	157	-	-	-	-	-	-	-	1,071
25	140	-	-	-	495	878	-	122	-	-	28	-	-	-	-	60	-	-	37	298	720	392	470	171	2,586	-	-	-	-	-	245	-	6,642
26	275	-	79	168	-	-	-	-	-	16	-	-	-	-	-	384	3	-	-	-	-	-	-	-	196	2,547	161	48	-	-	63	-	3,940
27	141	-	-	-	-	-	-	41	-	-	-	-	29	-	73	80	-	-	-	-	-	-	-	-	-	200	5,361	61	54	-	18	-	6,058
28	4	-	-	-	31	-	-	-	-	80	31	4	58	-	90	32	83	107	-	-	31	-	-	-	-	98	47	6,100	-	-	627	16	7,439
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	3,032	-	-	-	3,035
30	-	-	-	-	-	-	-	-	134	4	-	-	146	-	73	-	-	-	-	-	-	-	-	-	-	-	15	2	-	-	14	-	388
31	134	-	101	-	-	27	-	64	-	229	66	-	152	-	138	-	-	-	339	2,890	818	89	-	-	175	71	16	558	6	-	10,750	482	17,105
32	-	-	-	-	-	-	-	-	-	-	146	-	368	-	-	-	-	-	-	-	250	-	-	-	-	-	-	16	-	312	516	1,544	3,152
Total	12,162	2,422	5,397	5,247	3,473	3,249	715	2,284	1,273	1,947	7,867	1,793	7,379	1,872	3,971	3,189	1,616	2,344	1,227	4,152	3,609	2,413	1,124	1,205	5,182	3,334	5,837	7,162	3,092	539	15,618	2,299	124,993

Future OD Matrix in 2010(Passenger Car)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	52,974	14,373	3,777	4,892	3,478	7,010	1,650	693	1,921	6,511	5,713	1,557	6,447	652	9,906	1,815	6,336	4,062	994	1,060	1,832	1,043	672	1,122	3,016	1,070	830	2,248	124	312	1,623	122	149,835
2	14,193	27,132	2,017	3,557	3,183	8,663	1,507	1,901	2,080	9,458	3,899	3,049	5,717	1,081	3,351	617	1,104	1,968	540	2,910	1,086	1,144	269	639	1,985	889	527	758	14	155	1,294	114	106,801
3	3,818	2,064	5,615	9,324	5,013	1,806	828	546	674	1,334	2,652	1,126	3,790	509	864	569	588	599	312	276	867	1,224	505	525	4,573	3,009	98	696	23	-	1,464	259	55,550
4	4,618	3,797	7,793	33,100	10,379	10,650	2,247	1,980	1,229	2,111	1,171	2,106	2,970	830	930	427	481	326	155	1,230	550	1,818	853	2,019	6,755	2,785	245	1,416	-	-	1,061	58	106,090
5	3,475	3,374	4,092	11,806	80,405	22,448	5,775	2,626	1,537	2,767	2,000	1,946	4,461	414	1,043	716	338	831	363	2,980	3,970	3,689	4,184	6,597	21,911	8,021	356	1,766	99	292	3,284	188	207,754
6	7,677	8,101	1,426	9,591	21,837	84,169	14,015	4,405	3,875	4,725	4,584	4,939	10,408	1,811	3,541	3,549	1,203	2,476	4,480	13,669	5,090	3,090	3,205	12,362	15,402	6,889	398	4,419	1,877	120	6,628	201	270,162
7	1,432	1,513	858	1,966	4,101	15,139	10,690	686	561	907	745	1,963	2,246	158	163	212	-	358	104	1,827	2,926	993	2,347	558	2,321	803	-	337	57	-	1,157	67	57,195
8	526	1,889	785	1,721	2,896	3,633	1,066	11,951	2,738	2,311	1,323	1,875	2,323	392	366	437	149	306	-	2,554	2,164	2,556	524	630	2,472	681	145	23	30	115	856	62	49,499
9	1,543	1,612	661	1,601	1,921	3,495	581	2,322	23,396	6,790	1,603	3,572	5,246	870	495	185	61	226	51	2,250	619	1,813	14	282	2,325	1,248	60	192	114	-	365	165	65,678
10	6,506	9,230	1,530	2,662	2,707	4,858	915	1,511	5,823	32,638	8,731	13,501	16,387	6,018	2,610	1,201	1,320	2,530	1,878	3,042	846	1,425	485	71	2,474	473	925	680	195	327	2,234	191	135,924
11	5,652	4,176	2,545	1,659	2,023	4,083	479	1,275	1,124	7,926	36,381	5,981	21,010	4,112	5,930	2,876	1,402	772	993	1,549	183	944	343	509	2,147	424	347	324	-	-	340	138	117,647
12	1,529	2,458	1,096	1,872	2,732	4,986	1,802	2,244	4,084	14,769	5,939	31,368	18,347	4,980	617	647	589	2,040	1,121	4,125	2,738	3,697	572	617	2,677	1,131	579	416	264	116	2,448	527	123,127
13	6,757	5,416	4,271	3,185	4,611	9,914	1,870	2,909	5,889	17,096	20,825	17,978	178,801	18,827	9,478	6,895	2,687	1,304	536	3,062	732	2,153	765	649	4,529	947	1,829	2,753	165	269	2,471	139	339,712
14	724	1,059	347	825	770	1,406	104	353	930	5,138	4,741	4,662	17,351	5,979	1,254	541	640	440	293	685	286	489	-	217	1,870	516	345	447	-	-	870	42	53,324
15	10,830	3,377	855	585	532	3,622	140	455	569	2,543	5,464	729	6,835	1,086	35,385	2,247	10,464	2,298	713	642	378	705	380	515	931	173	119	260	-	340	138	20	93,330
16	2,486	423	827	421	507	1,849	211	591	467	1,093	3,601	614	7,427	850	2,947	35,413	2,749	177	-	78	89	364	-	-	1,504	230	572	398	50	169	153	-	66,260
17	6,478	1,651	741	388	343	1,834	-	147	64	1,109	1,463	949	2,545	583	10,271	3,445	27,932	3,773	860	502	172	198	244	-	760	283	353	473	-	191	611	62	68,425
18	3,492	1,689	755	263	941	1,960	210	454	146	3,885	1,246	1,292	1,717	439	2,549	213	3,847	23,398	7,312	2,094	465	216	208	104	585	-	-	146	99	-	2,501	58	62,284
19	856	524	321	172	470	1,750	108	-	-	2,045	1,081	1,397	604	350	706	-	1,276	7,224	14,777	2,396	182	183	140	30	141	49	-	32	81	105	1,508	6	38,514
20	953	2,271	129	1,115	3,063	13,576	1,972	2,916	2,308	3,302	1,553	4,658	4,048	592	637	79	381	2,842	2,781	20,653	7,869	6,776	165	893	4,972	1,399	355	609	420	108	4,513	829	98,737
21	1,351	699	478	785	4,182	5,543	2,731	2,162	294	587	229	2,702	1,301	538	331	53	179	542	189	10,208	14,236	2,497	428	657	2,063	171	-	432	148	70	2,152	352	58,290
22	737	942	757	1,378	3,503	2,792	1,307	2,241	1,665	2,062	917	4,447	2,634	592	1,041	508	362	179	188	5,297	2,109	5,293	1,386	316	1,446	557	33	235	-	-	1,530	152	46,606
23	934	163	456	795	2,825	3,586	2,486	871	14	407	270	666	473	36	658	-	226	245	78	197	191	1,015	2,593	1,888	845	916	342	1,534	104	-	365	22	25,201
24	1,470	666	588	1,648	7,940	9,432	479	846	243	265	319	722	547	281	613	-	-	100	29	747	587	604	2,390	10,152	7,901	1,138	77	332	-	-	149	57	50,322
25	3,078	2,399	4,773	7,034	21,896	16,886	3,132	3,317	1,304	1,943	2,647	2,898	5,233	2,072	1,127	1,522	807	453	198	4,959	2,308	1,906	1,637	9,208	127,474	41,970	3,931	2,658	364	620	3,683	95	283,532
26	1,105	1,142	3,264	3,044	9,276	8,032	959	947	431	831	278	827	1,274	710	121	212	258	28	-	1,120	597	476	1,425	1,003	36,426	63,013	2,630	2,075	-	-	1,280	-	142,784
27	749	591	87	181	354	493	-	185	-	990	355	673	2,054	385	288	591	252	47	-	496	-	-	473	70	4,496	2,759	64,719	1,887	-	329	166	-	83,670
28	2,215	733	1,196	2,121	1,860	3,980	604	136	104	852	519	636	1,516	274	312	706	342	173	208	828	544	317	1,709	216	2,854	2,334	1,716	305,613	194	921	5,109	-	340,842
29	103	25	53	-	272	527	-	-	118	388	-	-	144	-	-	-	-	471	126	495	153	-	158	-	248	-	-	170	18,524	-	742	17,826	40,543
30	326	352	-	-	179	182	71	50	-	353	28	157	353	-	351	154	351	-	66	102	88	-	-	6	979	460	454	1,031	-	50	157	-	6,300
31	1,738	1,508	876	1,566	3,112	4,774	939	868	482	2,121	303	1,992	2,354	841	108	241	667	2,253	1,699	4,813	2,691	1,257	324	178	3,781	1,468	229	4,061	622	265	366,178	6,615	420,924
32	72	50	232	56	155	455	140	61	197	174	180	652	127	89	20	-	30	30	6	871	276	98	106	116	115	-	-	18	15,366	-	7,766	64,954	92,412
Total	150,397	105,399	53,201	109,313	207,466	263,533	59,018	51,649	64,267	139,431	120,760	121,634	336,690	56,351	98,013	66,071	67,021	62,471	41,050	97,717	56,824	47,983	28,504	52,149	271,978	145,806	82,214	338,439	38,934	4,874	424,796	93,321	3,857,274

Future OD Matrix in 2010 (Jeepney)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	32,799	6,477	4,005	621	193	211	71	103	75	589	1,824	102	614	67	2,116	220	1,641	1,530	115	295	147	14	86	10	37	12	10	182	8	-	180	23	54,377
2	6,543	13,592	791	392	66	85	16	450	233	1,948	1,018	235	646	89	589	72	544	714	227	725	507	51	52	18	14	25	4	62	52	-	170	76	30,006
3	3,794	889	880	1,176	515	73	29	22	33	127	193	72	495	54	12	106	39	30	2	127	37	2	30	6	83	21	2	52	-	-	76	22	8,999
4	574	366	1,177	12,226	1,642	530	100	151	29	148	156	81	273	31	1	36	21	7	2	259	54	46	37	20	221	84	2	10	9	-	71	23	18,387
5	186	77	545	1,646	13,824	526	76	141	3	7	33	2	38	-	2	4	6	-	-	22	415	229	406	369	2,729	1,138	18	37	-	-	155	6	22,640
6	167	47	78	519	560	5,408	1,704	16	3	11	4	1	4	-	3	5	-	6	-	91	203	18	351	47	39	12	1	19	-	-	102	21	9,440
7	71	13	33	105	63	1,580	3,553	41	1	1	-	1	1	-	1	-	5	1	-	131	142	48	581	17	14	-	-	-	-	-	28	8	6,439
8	180	544	193	163	145	18	34	4,471	208	56	28	168	2	7	2	4	6	8	2	965	805	409	12	6	196	31	4	41	46	-	137	99	8,991
9	75	230	29	23	1	2	1	200	1,890	590	55	300	118	25	2	7	3	19	4	371	119	41	1	-	-	-	-	-	-	-	41	20	4,167
10	595	1,787	122	158	10	9	-	59	621	4,130	705	2,182	1,273	348	59	53	90	459	187	1,036	87	3	16	-	1	14	7	37	7	-	4,518	276	18,849
11	2,134	994	1,322	109	4	10	-	31	73	737	5,660	270	3,040	419	1,058	254	195	118	38	100	59	9	13	-	1	3	17	9	-	-	17	-	16,694
12	90	229	71	81	2	2	1	159	310	2,303	236	3,645	1,650	326	5	45	15	208	195	1,879	508	37	-	-	7	-	27	-	32	-	1,199	444	13,706
13	549	626	301	133	14	5	3	11	113	1,094	2,861	1,702	41,102	1,952	882	2,789	654	38	39	286	8	3	-	-	30	1	159	11	48	46	64	8	55,532
14	63	78	59	31	7	-	-	5	20	413	409	322	1,890	304	31	41	29	11	7	50	-	-	-	-	-	-	-	-	-	-	14	4	3,788
15	2,082	646	11	2	3	3	2	6	2	56	1,075	9	882	35	11,874	489	4,877	577	115	41	-	-	1	-	6	13	4	19	18	-	-	-	22,848
16	226	76	23	5	-	1	-	-	23	60	248	89	2,680	40	512	6,683	542	11	2	-	-	3	2	-	462	52	43	95	-	-	4	-	11,882
17	1,697	645	7	1	2	11	-	7	4	66	235	17	657	29	5,116	546	8,215	969	195	8	2	3	-	-	70	44	5	18	-	-	6	-	18,575
18	1,435	570	30	12	-	9	1	14	18	439	116	292	52	12	603	8	932	4,189	1,279	700	66	3	8	-	-	-	-	42	6	31	248	46	11,161
19	100	255	1	2	-	-	-	-	6	174	43	231	27	7	102	3	227	1,346	1,163	1,692	44	3	-	-	-	-	-	-	-	-	198	20	5,644
20	298	693	138	185	142	104	117	951	474	1,071	117	1,818	305	45	12	4	29	733	1,745	3,613	2,904	545	106	11	52	3	112	38	55	-	15,449	3,210	35,079
21	203	602	115	128	378	196	181	860	117	79	18	621	26	-	-	-	2	48	46	2,957	5,253	871	114	51	326	26	-	56	13	-	1,162	522	14,971
22	17	64	36	87	236	15	49	443	43	4	7	38	2	-	-	-	-	2	4	528	884	1,014	37	9	213	32	-	34	13	-	68	28	3,907
23	266	47	42	49	389	361	552	12	-	13	29	-	1	-	6	1	-	2	-	78	86	38	239	267	183	90	3	279	12	2	68	6	3,121
24	34	15	6	21	354	43	9	6	1	-	-	-	-	-	-	-	-	-	-	11	54	11	426	2,162	685	169	3	34	-	-	45	-	4,089
25	51	10	96	221	3,000	34	16	192	-	1	6	14	11	-	8	93	70	-	-	24	296	205	229	671	24,445	4,945	397	66	-	-	1,478	-	36,579
26	30	11	70	110	1,053	13	-	29	-	5	108	-	24	-	15	496	309	1	-	-	27	23	129	168	5,732	15,097	506	152	-	8	235	-	24,351
27	19	1	5	6	41	1	-	-	-	-	19	1	38	2	4	180	66	-	-	18	-	8	-	-	393	502	17,031	56	-	44	-	3	18,438
28	228	127	55	17	31	51	-	62	-	55	10	-	5	-	20	109	5	19	-	6	63	38	277	44	165	277	429	92,576	32	445	118	-	95,264
29	40	51	8	-	38	-	19	30	3	-	-	45	-	-	-	-	-	-	-	45	12	13	23	-	-	-	17	48	2,420	-	149	579	3,540
30	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-	29	-	-	-	-	-	-	-	14	42	480	-	11	282	-	879
31	117	292	94	106	165	97	12	117	47	462	11	271	91	5	1	2	-	175	194	1,585	339	95	33	39	1,410	234	5	160	178	342	75,756	4,172	86,607
32	26	91	19	14	2	14	11	76	16	49	-	120	101	3	-	-	-	49	24	386	143	26	-	13	-	-	3	-	955	-	3,921	11,489	17,551
Total	54,689	30,145	10,362	18,349	22,880	9,412	6,557	8,665	4,366	14,688	15,245	12,649	56,048	3,800	23,036	12,250	18,522	11,299	5,585	18,029	13,265	3,809	3,209	3,928	37,514	22,839	18,851	94,613	3,904	929	105,959	21,105	686,501

Future OD Matrix in 2010 (Truck)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	317	100	13	26	-	92	20	3	8	8	26	3	32	12	56	8	82	26	14	7	7	3	6	-	3	19	10	63	6	25	58	-	1,053
2	99	418	4	12	2	245	28	10	31	63	54	9	81	5	33	12	19	6	8	12	22	9	5	1	20	9	13	55	5	16	154	4	1,464
3	13	4	14	24	19	23	5	4	9	2	-	1	42	3	-	7	4	-	-	2	5	15	3	3	171	135	14	78	3	-	157	-	760
4	22	3	27	392	186	131	44	59	22	35	25	29	59	5	-	9	2	-	-	2	27	50	16	23	484	247	40	136	7	-	298	2	2,382
5	-	6	13	166	1,158	563	249	161	77	123	15	148	223	31	1	4	8	8	8	135	186	131	84	73	628	178	6	193	1	15	422	19	5,033
6	132	225	21	137	524	382	357	332	33	130	120	81	509	26	154	85	131	208	104	305	537	164	94	188	504	187	17	596	2	-	384	38	6,707
7	19	44	7	38	205	352	334	121	41	48	24	14	23	4	12	6	24	14	1	7	58	85	41	43	101	40	2	35	-	-	52	-	1,795
8	3	9	6	59	151	297	113	332	55	96	26	82	142	13	16	17	15	8	3	70	68	92	17	6	166	35	16	33	9	-	91	-	2,046
9	14	14	11	24	72	38	53	61	194	115	68	49	185	25	25	21	25	3	1	15	22	21	9	12	61	22	10	17	-	-	40	-	1,227
10	13	77	4	38	141	125	33	90	115	765	246	307	876	180	130	146	113	37	11	21	63	58	27	-	137	58	14	58	-	17	33	2	3,935
11	30	54	-	31	22	102	24	29	54	263	756	107	729	173	196	176	89	17	7	19	24	34	6	8	31	11	21	4	5	7	44	3	3,076
12	4	12	-	22	137	107	18	94	56	300	112	537	551	79	52	55	30	28	16	24	73	71	24	2	33	-	11	25	12	-	55	2	2,542
13	46	60	38	77	206	471	27	137	213	1,023	763	582	4,415	430	353	476	157	54	13	143	74	131	40	3	134	41	85	56	2	14	145	12	10,421
14	14	8	-	5	30	27	8	13	17	187	172	85	400	66	58	38	31	25	7	11	17	9	-	-	15	17	6	51	2	4	45	2	1,370
15	63	51	1	1	-	114	15	27	19	134	177	43	289	57	604	72	192	38	2	14	20	29	1	2	4	1	5	12	6	11	32	-	2,036
16	11	12	7	10	5	62	4	17	23	119	193	69	568	52	84	474	22	2	1	24	18	31	-	-	13	-	11	4	5	8	7	-	1,856
17	83	27	1	2	6	105	28	21	28	111	114	35	162	46	207	29	258	43	61	8	28	16	8	-	3	6	4	19	-	12	22	-	1,493
18	35	6	-	-	8	148	12	6	4	31	21	38	55	26	51	1	37	423	102	17	13	27	4	2	3	-	-	40	3	10	78	4	1,205
19	10	6	-	-	6	92	7	1	1	11	5	11	12	17	6	-	47	90	63	4	-	7	-	-	-	2	-	8	-	-	32	-	438
20	4	12	2	4	130	399	9	89	16	24	15	25	154	11	21	27	7	22	6	258	182	60	20	13	12	-	19	17	11	6	95	7	1,677
21	11	19	13	25	176	589	26	80	37	81	25	79	59	13	27	21	26	7	1	197	273	123	73	21	18	3	1	42	6	-	80	2	2,154
22	9	8	6	47	132	148	28	79	20	47	36	75	124	12	32	22	17	23	5	59	102	126	9	5	84	43	1	21	1	7	66	-	1,394
23	4	1	3	18	59	104	46	6	7	27	8	25	33	-	-	-	-	4	-	22	55	9	26	14	8	5	-	3	-	-	146	-	633
24	-	1	2	15	102	197	60	6	6	-	4	-	3	-	1	-	-	2	-	16	20	4	26	393	84	18	-	1	-	-	17	-	978
25	10	39	194	452	527	569	133	205	74	150	29	39	113	8	15	13	3	2	-	11	19	93	8	98	2,530	373	54	49	7	-	320	11	6,148
26	21	8	117	230	211	250	40	39	19	41	11	-	8	1	1	-	6	-	1	3	-	34	7	19	349	1,168	14	136	-	-	61	-	2,795
27	8	14	8	22	8	15	5	16	7	27	16	17	93	6	15	11	4	1	-	12	6	4	-	-	54	13	905	7	-	17	11	-	1,322
28	50	60	177	262	284	457	68	63	42	57	27	31	87	50	16	6	18	28	16	20	56	33	100	12	64	272	11	5,439	6	47	310	10	8,179
29	3	8	5	10	-	4	-	21	-	3	2	10	2	2	2	17	-	24	-	22	-	-	-	-	1	-	-	1	127	-	29	2	295
30	21	8	-	-	22	-	-	-	-	16	12	-	16	4	20	10	16	8	-	-	-	-	16	-	-	-	19	49	-	11	12	-	260
31	80	182	167	292	363	312	69	89	34	47	43	54	96	32	36	7	24	77	22	92	78	59	146	17	286	94	10	181	25	4	9,285	239	12,542
32	7	3	-	2	20	29	-	2	-	-	-	-	12	-	-	-	-	4	-	7	2	-	-	-	6	-	-	4	2	-	279	353	732
Total	1,156	1,499	861	2,443	4,912	6,549	1,863	2,213	1,262	4,084	3,145	2,585	10,153	1,389	2,224	1,770	1,407	1,232	473	1,559	2,055	1,528	816	958	6,007	2,997	1,319	7,433	253	231	12,860	712	89,948

Appendix 5.2.2-1 (8/16)

Future OD Matrix in 2010 (Bus)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	5,997	1,024	1,298	103	124	80	-	-	71	67	285	-	319	-	748	277	119	1,187	-	154	151	-	-	-	269	98	66	27	-	-	730	-	13,194
2	935	786	34	84	-	-	-	-	151	94	-	82	121	-	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165	-	2,528
3	1,306	98	2,005	885	-	-	-	-	-	-	-	-	323	-	43	-	-	376	-	19	159	-	-	-	-	161	-	-	-	103	-	5,478
4	-	121	1,244	1,811	432	1,012	431	-	-	-	-	-	211	-	-	85	-	91	-	35	-	234	388	224	-	-	-	-	-	-	-	6,319
5	-	133	-	395	1,769	226	234	194	-	-	-	-	-	122	-	-	-	-	-	-	-	-	-	440	477	-	31	-	-	80	-	4,101
6	591	-	-	1,111	275	1,039	-	-	-	151	-	-	-	-	-	237	-	157	-	180	-	-	-	-	-	-	-	-	-	12	-	3,753
7	-	118	-	180	216	-	-	-	-	-	438	-	-	-	-	-	-	-	-	-	239	-	-	-	158	-	-	-	-	-	-	1,349
8	-	-	-	-	132	-	-	1,731	-	-	97	122	-	-	79	-	-	-	-	-	-	-	-	-	-	63	16	-	-	-	-	2,357
9	92	89	-	-	-	59	-	-	347	125	-	-	163	-	-	-	-	-	-	42	-	164	-	-	-	-	-	-	-	-	-	1,081
10	-	-	-	-	-	114	41	48	281	1,077	260	-	-	-	-	-	352	-	-	-	-	-	-	-	-	-	70	-	-	36	-	2,289
11	139	74	142	195	-	-	87	-	-	233	6,272	187	267	273	180	113	-	-	-	-	-	49	-	-	219	-	75	-	-	-	44	8,549
12	-	-	-	-	-	-	-	153	-	-	152	1,462	164	-	64	-	-	-	-	-	-	-	-	-	-	-	20	-	-	348	-	2,363
13	406	92	183	143	120	-	-	64	152	94	125	-	3,135	1,072	247	843	18	-	-	95	-	-	-	-	283	-	9	5	152	41	92	7,371
14	-	-	-	-	112	-	-	-	-	-	350	-	1,061	-	266	121	-	165	-	-	-	-	-	-	-	-	-	-	-	-	-	2,075
15	800	-	-	-	-	-	-	-	-	-	153	86	375	237	2,118	-	-	-	-	-	91	90	-	-	105	-	82	69	69	152	-	4,427
16	289	-	-	-	-	39	-	138	-	256	-	613	169	-	811	-	-	-	-	47	-	-	-	-	38	96	64	22	-	-	32	2,624
17	158	-	-	-	-	-	-	-	-	44	-	29	171	-	-	-	733	153	-	49	-	-	-	-	-	-	-	-	7	88	-	1,432
18	1,035	-	520	126	-	143	-	-	-	-	-	-	-	162	-	-	239	-	-	-	122	-	-	-	-	-	-	34	-	-	-	2,381
19	-	-	-	-	-	-	-	-	-	-	156	-	-	-	-	-	-	-	353	66	236	-	-	-	-	-	-	-	-	305	-	1,116
20	147	-	19	50	47	50	-	-	24	22	-	119	171	-	93	29	69	-	77	325	-	222	-	-	-	-	-	-	-	654	-	2,118
21	346	111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131	418	-	669	-	-	-	298	-	24	-	-	452	89	2,738
22	67	-	-	-	32	-	-	181	126	-	-	-	-	-	74	-	-	-	-	-	-	1,203	-	-	-	-	-	-	-	219	-	1,902
23	-	-	132	229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	266	-	246	-	-	-	-	-	-	873
24	-	-	-	464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	549	157	-	-	-	-	-	-	1,170
25	140	-	-	-	520	878	-	122	-	-	28	-	-	-	-	60	-	-	37	298	720	392	470	171	2,925	-	-	-	-	245	-	7,006
26	275	-	79	168	-	-	-	-	-	16	-	-	-	-	-	384	3	-	-	-	-	-	-	-	196	3,106	161	48	-	63	-	4,901
27	141	-	-	-	-	-	-	41	-	-	-	-	-	-	73	80	-	-	-	-	-	-	-	-	-	200	5,361	61	54	18	-	6,056
28	4	-	-	-	31	-	-	-	-	80	31	4	58	-	90	32	83	107	-	-	31	-	-	-	-	98	47	6,697	-	649	16	8,058
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	3,095	-	-	-	3,098
30	-	-	-	-	-	-	-	-	134	4	-	-	146	-	73	-	-	-	-	-	-	-	-	-	-	-	15	2	-	14	-	388
31	134	-	101	-	-	27	-	64	-	229	66	-	152	-	138	-	-	-	339	2,890	818	89	-	-	175	71	16	558	6	11,755	482	18,110
32	-	-	-	-	-	-	-	-	-	-	146	-	368	-	-	-	-	-	-	-	250	-	-	-	-	-	-	16	-	312	516	1,632	3,240
Total	13,012	2,646	5,757	5,944	3,810	3,667	793	2,598	1,434	2,236	8,815	2,091	7,847	2,035	4,362	3,189	1,616	2,367	1,227	4,200	3,686	2,443	1,124	1,384	5,546	3,895	5,837	7,759	3,155	540	16,645	2,387	134,047

Future OD Matrix in 2015 (Passenger Car)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	59,740	15,677	3,801	5,643	3,882	8,305	1,861	723	2,083	6,921	6,039	1,718	8,358	686	11,229	2,152	7,518	4,466	1,026	1,217	2,225	1,043	672	1,357	3,575	1,247	972	3,020	155	312	1,840	138	169,601
2	15,520	33,138	2,026	3,978	3,836	10,640	1,756	2,106	2,348	10,126	4,030	3,406	6,900	1,112	4,079	739	1,419	2,449	548	3,746	1,268	1,297	323	655	2,303	1,059	673	890	14	155	1,337	120	123,996
3	3,827	2,080	5,615	9,340	5,182	1,833	828	564	674	1,343	2,891	1,126	3,968	509	864	606	690	601	312	296	1,034	1,526	505	622	4,758	3,031	98	733	28	-	1,701	262	57,447
4	5,070	4,041	8,004	36,869	10,985	12,219	2,324	2,191	1,388	2,333	1,278	2,246	3,295	846	1,109	438	491	387	165	1,410	678	2,051	882	2,597	8,028	2,938	277	1,462	-	-	1,061	58	117,121
5	3,768	3,978	4,221	12,297	99,916	26,022	7,248	3,171	1,719	3,316	2,219	2,274	5,913	421	1,296	874	387	1,071	462	3,671	5,717	3,956	6,087	8,732	27,047	9,990	435	2,127	99	292	4,461	221	253,408
6	9,232	9,651	1,426	10,609	24,997	96,527	14,637	5,297	3,917	4,904	5,180	5,179	14,054	1,811	4,729	5,655	1,701	3,660	7,691	18,578	6,976	3,090	3,522	18,765	18,938	7,803	499	5,933	3,029	180	9,060	246	327,476
7	1,613	1,721	858	2,065	4,800	15,811	11,907	780	596	955	787	2,009	2,691	158	183	222	-	404	124	2,164	3,768	995	2,348	577	2,848	887	-	337	67	-	1,159	83	62,917
8	563	2,047	800	1,890	3,418	4,112	1,295	12,995	2,759	2,489	1,323	2,185	2,871	392	408	450	166	334	-	2,764	2,335	2,556	594	815	2,839	707	173	23	35	135	967	70	54,510
9	1,626	1,710	661	1,798	2,326	3,601	642	2,378	23,539	6,790	1,907	3,665	5,899	870	506	185	61	226	62	2,925	814	1,813	14	350	2,911	1,734	73	217	157	-	365	168	69,993
10	6,800	9,904	1,557	3,219	3,196	5,019	987	1,589	5,823	37,463	8,905	13,798	19,757	6,018	3,246	1,448	1,744	3,193	2,007	3,779	1,066	1,450	526	71	3,185	594	1,285	807	269	398	2,367	218	151,688
11	6,128	4,315	2,607	1,810	2,262	4,468	559	1,275	1,139	8,119	37,838	6,236	23,879	4,112	6,864	3,544	1,615	847	1,268	1,789	218	944	355	528	2,394	469	385	425	-	-	349	138	126,879
12	1,761	2,702	1,096	1,927	3,613	5,514	1,880	2,858	4,241	15,347	6,097	36,204	21,609	4,980	706	653	768	2,978	1,266	4,741	3,631	3,698	606	682	2,823	1,401	704	484	412	116	2,474	671	138,643
13	8,984	6,441	4,491	3,836	6,084	13,364	2,404	3,686	7,041	21,516	23,902	21,011	247,846	21,488	12,433	8,597	3,393	1,711	579	4,520	945	2,397	943	841	5,499	1,218	2,143	4,108	165	269	2,473	159	444,487
14	729	1,100	347	867	813	1,445	104	357	940	5,138	4,741	4,662	18,927	6,714	1,365	598	682	579	348	691	325	489	-	284	2,055	545	348	655	-	-	1,031	42	56,921
15	12,407	3,946	884	685	549	4,494	173	550	596	3,049	5,924	833	8,276	1,166	38,058	2,472	12,601	2,589	791	689	389	770	380	515	986	191	128	318	-	340	144	20	104,913
16	2,980	457	998	468	682	2,599	226	640	610	1,366	4,589	769	9,924	1,075	3,579	47,598	3,513	188	-	78	89	480	-	-	1,524	230	572	597	50	169	153	-	86,203
17	8,106	2,189	881	455	441	2,515	-	187	64	1,453	1,716	1,321	3,223	700	13,227	4,738	37,804	4,768	1,111	567	172	258	244	-	760	283	353	719	-	191	611	74	89,131
18	3,761	2,012	830	328	1,288	2,643	216	516	146	5,671	1,572	1,834	2,367	545	3,178	247	4,869	27,812	8,004	2,801	512	274	208	104	613	-	-	146	99	-	2,547	58	75,201
19	895	532	321	173	594	2,717	131	-	-	2,303	1,411	1,611	652	475	763	-	1,569	8,022	18,523	2,906	182	183	163	30	141	53	-	32	107	105	1,508	6	46,108
20	1,092	2,770	137	1,459	3,810	18,920	2,471	3,331	2,879	4,254	1,725	5,563	5,515	604	817	79	389	4,109	3,676	24,173	9,969	7,021	165	956	6,562	1,598	409	609	575	149	4,513	943	121,242
21	1,630	751	478	1,000	5,956	7,872	3,381	2,331	386	754	289	3,539	1,906	594	357	53	244	610	189	13,593	17,927	2,774	564	877	2,837	171	-	432	236	70	2,508	456	74,765
22	738	1,121	757	1,525	3,549	2,792	1,388	2,241	1,665	2,075	917	4,447	2,963	592	1,116	577	417	179	188	5,344	2,150	5,670	1,386	364	1,563	586	44	256	-	-	1,530	156	48,296
23	969	201	456	830	3,456	4,095	2,507	951	14	461	277	666	542	42	718	-	226	245	81	197	209	1,015	3,595	2,339	984	1,095	455	1,534	138	-	387	22	28,707
24	1,964	677	663	1,936	11,238	13,666	520	1,019	272	296	323	833	584	327	622	-	-	100	29	747	889	781	3,301	12,790	11,249	1,400	92	443	-	-	189	89	67,039
25	3,780	2,995	5,116	8,155	26,675	21,639	4,194	4,127	1,552	2,620	3,153	3,652	6,743	2,556	1,332	1,561	807	453	198	6,575	3,123	2,112	2,491	13,407	170,101	62,503	5,582	2,891	546	620	4,296	140	375,695
26	1,341	1,452	3,371	3,273	11,851	9,794	1,117	1,081	437	1,073	330	937	1,581	788	121	212	258	28	-	1,176	942	490	1,951	1,143	54,254	81,393	3,650	2,075	-	-	1,658	-	187,777
27	877	775	87	202	450	635	-	237	-	1,413	378	863	2,719	388	364	591	252	47	-	496	-	-	710	84	6,249	3,832	85,195	2,689	-	329	218	-	110,080
28	2,993	845	1,513	2,720	2,375	5,270	773	170	128	1,081	823	866	2,210	360	418	1,196	545	181	312	1,049	700	387	2,079	263	3,645	2,905	2,366	472,609	194	945	6,151	-	518,072
29	108	34	73	-	409	801	-	-	156	544	-	-	144	-	-	-	-	788	187	691	241	-	233	-	248	-	-	170	25,484	-	742	31,735	62,788
30	380	431	-	-	179	250	71	50	-	423	28	196	377	-	442	176	468	-	66	136	88	-	-	6	1,256	460	454	1,124	-	64	169	-	7,294
31	2,015	1,580	1,116	1,639	4,099	5,482	941	874	482	2,151	305	1,995	2,397	1,173	111	241	758	2,411	1,699	4,813	2,995	1,257	342	226	4,301	1,968	349	4,698	632	265	541,664	8,656	603,635
32	72	50	236	56	191	583	170	81	213	176	180	895	127	89	20	-	30	30	6	997	317	98	146	171	166	-	-	18	27,218	-	11,056	113,663	157,055
Total	171,469	121,323	55,427	121,052	253,102	315,647	66,711	58,356	67,807	157,923	131,077	136,539	438,217	61,591	114,260	85,902	85,385	75,466	50,918	119,319	71,894	50,875	35,335	70,151	356,642	192,291	107,714	512,581	59,709	5,104	610,689	158,612	4,919,088

Future OD Matrix in 2015 (Jeepney)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	33,496	6,480	4,052	622	200	212	72	107	75	601	1,872	112	738	67	2,123	244	1,913	1,655	117	355	158	14	97	11	41	13	12	235	10	-	202	28	55,934
2	6,546	14,108	792	392	67	85	16	450	233	1,948	1,023	241	707	89	610	83	602	779	232	759	526	51	63	18	14	30	4	73	56	-	175	83	30,855
3	4,076	891	1,113	1,205	535	74	29	23	34	128	204	79	595	54	12	124	48	37	2	143	42	2	30	6	90	22	2	87	-	-	90	26	9,803
4	574	366	1,183	12,611	1,673	530	100	154	29	151	165	89	345	31	1	43	24	8	2	361	64	46	37	22	282	84	2	12	11	-	81	27	19,108
5	195	77	556	1,683	15,244	530	86	146	4	7	42	2	56	-	2	6	8	-	-	28	516	235	484	431	3,201	1,339	23	48	-	-	200	8	25,157
6	172	48	78	519	567	5,637	1,759	16	3	11	4	1	4	-	3	6	-	8	-	104	231	18	352	56	41	13	1	24	-	-	116	30	9,822
7	73	13	34	106	68	1,592	3,638	41	1	1	-	1	1	-	1	-	6	1	-	168	160	48	581	20	15	-	-	-	-	-	32	10	6,611
8	186	544	193	166	152	18	34	4,471	208	57	32	199	2	7	2	5	7	9	2	1,307	817	409	12	6	239	35	5	41	55	-	138	125	9,483
9	75	230	30	23	1	2	1	200	1,908	590	57	324	138	25	2	9	3	21	6	446	126	41	1	-	-	-	-	-	-	-	41	24	4,324
10	604	1,787	122	158	11	9	-	60	621	4,191	705	2,186	1,451	348	72	65	117	547	205	1,044	92	3	20	-	1	17	9	37	7	-	6,565	323	21,377
11	2,226	1,000	1,459	116	5	10	-	36	84	742	5,682	283	3,404	419	1,084	271	214	161	47	116	89	10	13	-	1	4	24	9	-	-	17	-	17,526
12	97	237	75	87	2	2	1	188	356	2,322	245	4,121	1,832	329	5	58	20	245	236	2,081	563	41	-	-	9	-	34	-	33	-	1,199	458	14,876
13	638	669	371	158	17	6	4	15	130	1,236	3,146	1,887	50,468	2,101	1,042	3,464	696	49	48	389	11	4	-	-	40	1	193	14	75	46	69	9	66,996
14	65	78	60	32	9	-	-	6	20	413	409	325	1,993	307	31	46	30	11	7	54	-	-	-	-	-	-	-	-	-	-	14	5	3,915
15	2,090	698	11	2	3	3	2	6	3	66	1,105	10	1,056	35	12,688	495	5,109	577	119	60	-	-	1	-	7	14	4	23	18	-	-	-	24,205
16	250	88	27	6	-	1	-	-	27	76	267	120	3,297	47	524	7,400	544	12	2	-	-	4	3	-	462	52	43	139	-	-	4	-	13,395
17	1,994	786	8	1	2	13	-	10	4	88	270	20	714	31	5,565	558	8,792	1,012	218	9	2	4	-	-	70	56	5	24	-	-	6	-	20,262
18	1,665	615	36	14	-	11	1	19	21	521	152	391	70	13	603	8	952	4,206	1,279	838	91	3	12	-	-	-	-	52	6	31	310	68	11,988
19	103	271	1	2	-	-	-	-	9	194	53	292	34	7	108	3	259	1,346	1,163	2,103	53	4	-	-	-	-	-	-	-	-	231	20	6,256
20	371	727	158	250	185	121	149	1,275	622	1,085	133	1,993	437	51	15	4	36	920	2,196	3,823	3,188	610	156	17	64	3	157	58	68	-	19,608	4,311	42,791
21	242	659	136	150	453	206	213	891	123	87	23	759	34	-	-	-	2	67	55	3,302	5,372	904	133	55	505	36	-	68	16	-	1,206	656	16,353
22	17	64	40	91	247	15	49	443	43	4	8	41	2	-	-	-	-	2	5	585	903	1,313	37	10	235	39	-	34	14	-	82	29	4,352
23	276	51	42	50	466	362	557	12	-	16	35	-	1	-	6	1	-	2	-	102	87	38	239	275	240	100	4	279	17	2	77	8	3,345
24	41	18	6	26	407	51	11	7	1	-	-	-	-	-	-	-	-	-	-	17	59	13	516	2,270	790	179	4	45	-	-	49	-	4,510
25	61	10	114	265	3,636	38	21	239	-	1	8	20	13	-	8	94	71	-	-	29	450	236	316	770	28,211	5,835	411	75	-	-	1,817	-	42,749
26	38	12	78	119	1,216	14	-	33	-	6	144	-	29	-	16	496	388	1	-	-	36	26	166	175	6,879	16,859	510	159	-	8	308	-	27,716
27	24	1	5	6	49	1	-	-	-	-	26	1	50	3	4	183	66	-	-	28	-	10	-	-	407	509	19,542	64	-	49	-	5	21,033
28	305	182	91	23	36	74	-	62	-	70	10	-	6	-	24	163	6	23	-	6	76	43	277	54	196	280	570	127,985	32	445	124	-	131,163
29	54	55	13	-	60	-	28	33	3	-	-	49	-	-	-	-	-	-	-	56	14	15	37	-	-	-	29	48	2,848	-	149	780	4,271
30	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-	-	29	-	-	-	-	-	-	-	14	45	480	-	11	414	-	1,020
31	133	405	119	138	206	110	16	118	47	668	11	271	119	7	1	2	-	175	219	2,016	376	116	33	44	1,730	298	5	178	178	526	99,703	6,102	114,070
32	28	101	23	16	2	16	12	80	18	59	-	142	102	3	-	-	-	74	27	555	187	26	-	20	-	-	5	-	1,574	-	5,629	15,713	24,412
Total	56,715	31,271	11,026	19,037	25,519	9,743	6,799	9,141	4,627	15,339	15,858	13,959	67,698	3,974	24,552	13,831	19,913	11,977	6,187	20,884	14,289	4,287	3,616	4,260	43,770	25,832	21,643	130,291	5,018	1,118	138,656	28,848	809,678

Future OD Matrix in 2015 (Truck)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	342	112	13	33	-	116	24	3	8	9	28	3	39	14	58	10	103	27	16	9	8	3	6	-	3	23	13	89	6	25	62	-	1,205
2	111	485	4	12	2	301	31	11	40	65	54	10	99	5	38	15	24	7	9	16	26	10	7	1	24	10	17	61	7	16	156	4	1,678
3	13	4	14	24	21	23	5	4	9	2	-	1	45	3	-	7	5	-	-	2	6	19	3	4	180	137	14	79	3	-	200	-	827
4	23	3	27	432	202	144	46	66	26	45	30	32	63	5	-	10	2	-	-	2	30	53	16	27	569	275	50	142	8	-	314	2	2,644
5	-	8	15	176	1,439	660	318	200	89	151	17	181	306	34	1	5	11	11	11	164	264	142	127	92	768	222	8	242	1	16	497	22	6,198
6	162	270	21	146	608	422	393	407	34	138	140	85	674	26	200	138	189	316	178	405	764	164	112	261	615	216	21	901	3	-	506	53	8,568
7	21	53	7	39	243	385	377	145	42	50	30	15	28	4	13	6	29	16	1	7	91	85	41	53	120	48	2	35	-	-	55	-	2,041
8	3	9	6	70	180	343	133	369	55	107	26	98	166	13	18	18	16	9	4	74	70	92	23	6	188	39	19	33	12	-	101	-	2,300
9	17	15	11	28	88	42	60	62	198	115	81	50	206	25	28	22	35	3	1	20	30	21	9	16	72	27	12	17	-	-	40	-	1,351
10	13	83	4	53	182	131	41	97	115	882	252	313	1,041	180	158	187	146	45	11	26	72	59	30	-	187	88	17	74	-	22	33	2	4,544
11	33	54	-	40	26	111	29	29	55	273	788	117	837	173	231	221	102	19	9	23	31	34	7	9	35	12	26	5	6	7	44	3	3,389
12	5	13	-	24	172	119	19	117	60	313	116	616	651	79	62	61	37	39	19	27	92	71	27	2	40	-	13	26	15	-	55	2	2,892
13	60	69	40	94	277	622	32	163	259	1,275	895	685	6,122	512	440	627	195	75	13	202	91	148	49	3	172	62	104	65	2	14	145	12	13,524
14	14	8	-	6	33	28	9	13	17	187	172	85	467	74	62	42	32	32	8	11	19	9	-	-	17	18	6	76	3	4	58	2	1,512
15	69	66	1	1	-	147	16	35	21	169	204	49	341	60	674	84	231	42	2	16	22	31	1	2	4	1	5	15	9	11	32	-	2,361
16	15	14	8	11	7	88	4	19	31	145	246	87	778	65	106	629	29	2	1	25	20	40	-	-	13	-	11	4	5	8	7	-	2,418
17	110	35	1	2	8	147	35	28	38	140	140	47	206	55	266	41	351	52	86	10	33	21	8	-	3	6	4	26	-	12	22	-	1,933
18	42	7	-	-	12	201	12	7	4	41	26	53	78	32	59	1	44	492	112	22	17	33	4	2	3	-	-	61	3	10	81	4	1,463
19	11	6	-	-	8	142	9	1	1	12	6	14	12	23	6	-	61	100	79	5	-	7	-	-	-	3	-	8	-	-	32	-	546
20	4	14	2	5	159	550	11	101	20	31	17	29	214	11	25	32	7	32	8	302	228	66	20	19	15	-	26	18	15	8	95	9	2,093
21	12	23	15	28	243	861	26	86	51	104	33	103	71	14	31	25	30	7	1	264	344	131	107	31	21	5	1	42	9	-	83	2	2,804
22	10	9	6	50	134	148	32	79	20	47	36	75	138	12	33	25	19	23	5	61	103	138	9	5	89	47	1	23	1	8	68	-	1,454
23	5	1	3	18	77	127	50	7	7	32	9	25	36	-	-	-	-	4	-	22	72	9	36	19	9	6	-	3	-	-	155	-	732
24	-	1	2	15	140	269	77	6	6	-	4	-	3	-	1	-	-	2	-	22	31	5	40	525	109	20	-	1	-	-	19	-	1,298
25	13	53	216	540	646	724	171	259	91	209	35	47	155	10	22	13	3	2	-	13	23	109	12	127	3,358	533	76	55	11	-	359	14	7,899
26	27	10	121	246	277	307	49	45	21	55	11	-	12	1	1	-	6	-	1	4	-	39	9	22	486	1,481	18	138	-	-	66	-	3,453
27	10	19	8	28	11	19	6	20	9	36	19	22	121	6	20	11	4	1	-	12	7	4	-	-	75	17	1,164	7	-	17	14	-	1,687
28	65	72	232	347	361	655	84	84	54	73	34	36	109	74	21	6	25	40	19	23	64	42	126	13	82	359	11	7,601	7	47	377	14	11,157
29	3	10	7	14	-	6	-	32	-	4	3	15	2	3	3	27	-	40	-	30	-	-	-	-	1	-	-	1	183	-	29	2	415
30	21	8	-	-	27	-	-	-	-	19	15	-	16	4	22	10	16	8	-	-	-	-	21	-	-	19	59	-	14	12	-	291
31	96	191	216	298	453	354	75	96	34	47	43	54	96	43	36	7	28	89	22	92	81	61	183	19	316	122	13	183	25	4	13,492	310	17,179
32	9	3	-	2	28	38	-	2	-	-	-	-	12	-	-	-	-	4	-	9	2	-	-	-	6	-	-	4	2	-	374	486	981
Total	1,339	1,728	1,000	2,782	6,064	8,230	2,174	2,593	1,415	4,776	3,510	2,947	13,144	1,560	2,635	2,280	1,780	1,539	616	1,920	2,641	1,646	1,033	1,258	7,580	3,777	1,671	10,094	336	243	17,583	943	112,837

Future OD Matrix in 2015 (Bus)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	6,416	1,049	1,380	103	139	80	-	-	79	75	285	-	319	-	781	277	119	1,199	-	154	151	-	-	-	269	98	66	27	-	-	730	-	13,796
2	965	851	34	94	-	-	-	-	151	101	-	82	121	-	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165	-	2,640
3	1,305	98	2,144	911	-	-	-	-	-	-	-	-	323	-	43	-	-	376	-	19	159	-	-	-	-	161	-	-	-	-	103	-	5,643
4	-	125	1,244	2,022	450	1,113	484	-	-	-	-	-	211	-	-	85	-	91	-	39	-	234	388	224	-	-	-	-	-	-	-	-	6,710
5	-	147	-	444	1,885	254	234	194	-	-	-	-	-	122	-	-	-	-	-	-	-	-	-	494	494	-	-	31	-	80	-	-	4,379
6	638	-	-	1,248	309	1,150	-	-	-	169	-	-	-	-	-	237	-	157	-	202	-	-	-	-	-	-	-	-	-	12	-	-	4,122
7	-	118	-	202	216	-	-	-	-	-	438	-	-	-	-	-	-	-	-	-	268	-	-	-	158	-	-	-	-	-	-	-	1,400
8	-	-	-	-	132	-	-	1,943	-	-	97	122	-	-	79	117	-	-	-	-	-	-	-	-	-	63	16	-	-	-	-	-	2,569
9	92	89	-	-	-	66	-	-	390	125	-	-	163	-	-	-	-	-	-	42	-	164	-	-	-	-	-	-	-	-	-	-	1,131
10	-	-	-	-	-	128	41	48	327	1,209	268	-	-	-	-	-	352	-	-	95	-	49	-	-	283	-	-	70	-	-	36	-	2,479
11	139	74	142	195	-	-	87	-	-	244	6,742	208	267	273	186	113	-	-	-	-	-	-	-	-	219	-	-	75	-	-	-	44	9,057
12	-	-	-	-	-	-	-	153	-	-	152	1,641	164	-	64	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	348	-	2,542
13	411	92	183	143	120	-	-	64	171	105	140	-	3,311	1,177	247	843	18	-	-	95	-	-	-	-	-	-	-	-	-	152	41	92	7,702
14	-	-	-	-	126	-	-	-	-	-	393	-	1,165	-	290	121	-	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,260
15	800	-	-	-	-	-	-	-	-	-	154	86	392	237	2,318	-	-	-	-	-	91	90	-	-	105	-	82	69	-	69	152	-	4,645
16	299	-	-	-	-	39	-	-	138	-	256	-	613	169	-	811	-	-	-	47	-	-	-	-	38	96	64	22	-	-	-	32	2,624
17	156	-	-	-	-	-	-	-	-	44	-	29	192	-	-	-	733	153	-	49	-	-	-	-	-	-	-	-	-	8	88	-	1,454
18	1,059	-	520	126	-	143	-	-	-	-	-	-	-	162	-	-	239	-	-	-	122	-	-	-	-	-	-	34	-	-	-	-	2,405
19	-	-	-	-	-	-	-	-	-	-	156	-	-	-	-	-	-	-	353	66	236	-	-	-	-	-	-	-	-	-	305	-	1,116
20	147	-	19	56	47	56	-	-	24	22	-	119	171	-	93	29	69	-	77	332	-	222	-	-	-	-	-	-	-	-	654	-	2,137
21	346	111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131	418	-	882	-	-	-	298	-	-	24	-	-	452	89	2,761
22	67	-	-	-	32	-	-	181	126	-	-	-	-	-	74	-	-	-	-	-	-	1,203	-	-	-	-	-	-	-	-	219	-	1,902
23	-	-	132	229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	266	-	246	-	-	-	-	-	-	-	873
24	-	-	-	464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	616	157	-	-	-	-	-	-	-	1,237
25	140	-	-	-	537	878	-	122	-	-	28	-	-	-	-	60	-	-	37	288	720	392	470	171	3,155	-	-	-	-	-	245	-	7,253
26	275	-	79	168	-	-	-	-	-	16	-	-	-	-	-	384	3	-	-	-	-	-	-	-	196	3,489	161	48	-	-	63	-	4,882
27	141	-	-	-	-	-	-	41	-	-	-	-	-	-	-	80	-	-	-	-	-	-	-	-	-	200	5,361	61	54	-	18	-	6,058
28	4	-	-	-	31	-	-	-	-	80	31	4	58	-	90	32	83	107	-	-	31	-	-	-	-	98	47	7,000	-	-	664	16	8,376
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	3,140	-	-	-	3,143
30	-	-	-	-	-	-	-	-	134	4	-	-	146	-	73	80	-	-	-	-	-	-	-	-	-	-	15	2	-	-	14	-	388
31	134	-	101	-	-	27	-	64	-	229	66	-	152	-	138	32	-	-	339	2,890	818	89	-	-	175	71	16	558	6	-	12,430	482	18,785
32	-	-	-	-	-	-	-	-	-	-	146	-	368	-	-	-	-	-	-	-	250	-	-	-	-	-	-	16	-	312	516	1,692	3,300
Total	13,537	2,754	5,978	6,405	4,024	3,934	846	2,810	1,540	2,423	9,352	2,291	8,165	2,140	4,625	3,189	1,616	2,379	1,227	4,233	3,738	2,443	1,124	1,505	5,793	4,276	5,837	8,062	3,200	541	17,335	2,447	139,769

Future OD Matrix in 2020 (Passenger Car)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	66,506	16,981	3,825	6,394	4,286	9,600	2,072	753	2,245	7,331	6,365	1,879	10,269	720	12,552	2,489	8,700	4,870	1,058	1,374	2,618	1,043	672	1,592	4,134	1,424	1,114	3,792	186	312	2,057	154	189,367
2	16,847	39,144	2,035	4,399	4,489	12,617	2,005	2,311	2,616	10,794	4,161	3,763	8,083	1,143	4,807	861	1,734	2,930	556	4,582	1,450	1,450	377	671	2,621	1,229	819	1,022	14	155	1,380	126	141,191
3	3,836	2,096	5,615	9,356	5,351	1,860	828	582	674	1,352	3,130	1,126	4,146	509	864	643	792	603	312	316	1,201	1,828	505	719	4,943	3,053	98	770	33	-	1,938	265	59,344
4	5,522	4,285	8,215	40,638	11,591	13,788	2,401	2,402	1,547	2,555	1,385	2,386	3,620	862	1,288	449	501	448	175	1,590	806	2,284	911	3,175	9,301	3,091	309	1,508	-	-	1,061	58	128,152
5	4,061	4,582	4,350	12,788	119,427	29,596	8,721	3,716	1,901	3,865	2,438	2,602	7,365	428	1,549	1,032	436	1,311	561	4,362	7,464	4,223	7,990	10,867	32,183	11,959	514	2,488	99	292	5,638	254	299,062
6	10,787	11,201	1,426	11,627	28,157	108,885	15,259	6,189	3,959	5,083	5,776	5,419	17,700	1,811	5,917	7,761	2,199	4,844	10,902	23,487	8,862	3,090	3,839	25,168	22,474	8,717	600	7,447	4,181	240	11,492	291	384,790
7	1,794	1,929	858	2,164	5,499	16,483	13,124	874	631	1,003	829	2,055	3,136	158	203	232	-	450	144	2,501	4,610	997	2,349	596	3,375	971	-	337	77	-	1,161	99	68,639
8	600	2,205	815	2,059	3,940	4,591	1,524	14,039	2,780	2,667	1,323	2,495	3,419	392	450	463	183	362	-	2,974	2,506	2,556	664	1,000	3,206	733	201	23	40	155	1,078	78	59,521
9	1,709	1,808	661	1,995	2,731	3,707	703	2,434	23,682	6,790	2,211	3,758	6,552	870	517	185	61	226	73	3,600	1,009	1,813	14	418	3,497	2,220	86	242	200	-	365	171	74,308
10	7,094	10,578	1,584	3,776	3,685	5,180	1,059	1,667	5,823	42,288	9,079	14,095	23,127	6,018	3,882	1,695	2,168	3,856	2,136	4,516	1,286	1,475	567	71	3,896	715	1,645	934	343	469	2,500	245	167,452
11	6,604	4,454	2,669	1,961	2,501	4,853	639	1,275	1,154	8,312	39,295	6,491	26,748	4,112	7,798	4,212	1,828	922	1,543	2,029	253	944	367	547	2,641	514	423	526	-	-	358	138	136,111
12	1,993	2,946	1,096	1,982	4,494	6,042	1,958	3,472	4,398	15,925	6,255	41,040	24,871	4,980	795	659	947	3,916	1,411	5,357	4,524	3,699	640	747	2,969	1,671	829	552	560	116	2,500	815	154,159
13	11,211	7,466	4,711	4,487	7,557	16,814	2,938	4,463	8,193	25,936	26,979	24,044	316,891	24,149	15,388	10,299	4,099	2,118	622	5,978	1,158	2,641	1,121	1,033	6,469	1,489	2,457	5,463	165	269	2,475	179	549,262
14	734	1,141	347	909	856	1,484	104	361	950	5,138	4,741	4,662	20,503	7,449	1,476	655	724	718	403	697	364	489	-	351	2,240	574	351	863	-	-	1,192	42	60,518
15	13,984	4,515	913	785	566	5,366	206	645	623	3,555	6,384	937	9,717	1,246	40,731	2,697	14,738	2,880	869	736	400	835	380	515	1,041	209	137	376	-	340	150	20	116,496
16	3,474	491	1,169	515	857	3,349	241	689	753	1,639	5,577	924	12,421	1,300	4,211	59,783	4,277	199	-	78	89	596	-	-	1,544	230	572	796	50	169	153	-	106,146
17	9,734	2,727	1,021	522	539	3,196	-	227	64	1,797	1,969	1,693	3,901	817	16,183	6,031	47,676	5,763	1,362	632	172	318	244	-	760	283	353	965	-	191	611	86	109,837
18	4,030	2,335	905	393	1,635	3,326	222	578	146	7,457	1,898	2,376	3,017	651	3,807	281	5,891	32,226	8,696	3,508	559	332	208	104	641	-	-	146	99	-	2,593	58	88,118
19	934	540	321	174	718	3,684	154	-	-	2,561	1,741	1,825	700	600	820	-	1,862	8,820	22,269	3,416	182	183	186	30	141	57	-	32	133	105	1,508	6	53,702
20	1,231	3,269	145	1,803	4,557	24,264	2,970	3,746	3,450	5,206	1,897	6,468	6,982	616	997	79	397	5,376	4,571	27,693	12,069	7,266	165	1,019	8,152	1,797	463	609	730	190	4,513	1,057	143,747
21	1,909	803	478	1,215	7,730	10,201	4,031	2,500	478	921	349	4,376	2,511	650	383	53	309	678	189	16,978	21,618	3,051	700	1,097	3,611	171	-	432	324	70	2,864	560	91,240
22	739	1,300	757	1,672	3,595	2,792	1,469	2,241	1,665	2,088	917	4,447	3,292	592	1,191	646	472	179	188	5,391	2,191	6,047	1,386	412	1,680	615	55	277	-	-	1,530	160	49,986
23	1,004	239	456	865	4,087	4,604	2,528	1,031	14	515	284	666	611	48	778	-	226	245	84	197	227	1,015	4,597	2,790	1,123	1,274	568	1,534	172	-	409	22	32,213
24	2,458	688	736	2,224	14,536	17,900	561	1,192	301	327	327	944	621	373	631	-	-	100	29	747	1,191	958	4,212	15,428	14,597	1,662	107	554	-	-	229	121	83,756
25	4,482	3,591	5,459	9,276	31,454	26,392	5,256	4,937	1,800	3,297	3,659	4,406	8,253	3,040	1,537	1,600	807	453	198	8,191	3,938	2,318	3,345	17,606	212,728	83,036	7,233	3,124	728	620	4,909	185	467,858
26	1,577	1,762	3,478	3,502	14,426	11,556	1,275	1,215	443	1,315	382	1,047	1,888	866	121	212	258	28	-	1,232	1,287	504	2,477	1,283	72,082	99,773	4,670	2,075	-	-	2,036	-	232,770
27	1,005	959	87	223	546	777	-	289	-	1,836	401	1,053	3,384	391	440	591	252	47	-	496	-	-	947	98	8,002	4,905	105,671	3,491	-	329	270	-	136,490
28	3,771	957	1,830	3,319	2,890	6,560	942	204	152	1,310	1,127	1,096	2,904	446	524	1,686	748	189	416	1,270	856	457	2,449	310	4,436	3,476	3,016	639,605	194	969	7,193	-	695,302
29	113	43	93	-	546	1,075	-	-	194	700	-	-	144	-	-	-	-	1,105	248	887	329	-	308	-	248	-	-	170	32,444	-	742	45,644	85,033
30	434	510	-	-	179	318	71	50	-	493	28	235	401	-	533	198	585	-	66	170	88	-	-	6	1,533	460	454	1,217	-	78	181	-	8,288
31	2,292	1,652	1,356	1,712	5,086	6,190	943	880	482	2,181	307	1,998	2,440	1,505	114	241	849	2,569	1,699	4,813	3,299	1,257	360	274	4,821	2,468	469	5,335	642	265	717,150	10,697	786,346
32	72	50	240	56	227	711	200	101	229	178	180	1,138	127	89	20	-	30	30	6	1,123	358	98	186	226	217	-	-	18	39,070	-	14,346	162,372	221,698
Total	192,541	137,247	57,653	132,791	298,738	367,761	74,404	65,063	71,347	176,415	141,394	151,444	539,744	66,831	130,507	105,733	103,749	88,461	60,786	140,921	86,964	53,767	42,166	88,153	441,306	238,776	133,214	686,723	80,484	5,334	796,582	223,903	5,980,902

Future OD Matrix in 2020 (Jeepney)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	34,193	6,483	4,099	623	207	213	73	111	75	613	1,920	122	862	67	2,130	268	2,185	1,780	119	415	169	14	108	12	45	14	14	288	12	-	224	33	57,491
2	6,549	14,624	793	392	68	85	16	450	233	1,948	1,028	247	768	89	631	94	660	844	237	793	545	51	74	18	14	35	4	84	60	-	180	90	31,704
3	4,358	893	1,346	1,234	555	75	29	24	35	129	215	86	695	54	12	142	57	44	2	159	47	2	30	6	97	23	2	122	-	-	104	30	10,607
4	574	366	1,189	12,996	1,704	530	100	157	29	154	174	97	417	31	1	50	27	9	2	463	74	46	37	24	343	84	2	14	13	-	91	31	19,829
5	204	77	567	1,720	16,664	534	96	151	5	7	51	2	74	-	2	8	10	-	-	34	617	241	562	493	3,673	1,540	28	59	-	-	245	10	27,674
6	177	49	78	519	574	5,866	1,814	16	3	11	4	1	4	-	3	7	-	10	-	117	259	18	353	65	43	14	1	29	-	-	130	39	10,204
7	75	13	35	107	73	1,604	3,723	41	1	1	-	1	1	-	1	-	7	1	-	205	178	48	581	23	16	-	-	-	-	-	36	12	6,783
8	192	544	193	169	159	18	34	4,471	208	58	36	230	2	7	2	6	8	10	2	1,649	828	409	12	6	282	39	6	41	64	-	139	151	9,975
9	75	230	31	23	1	2	1	200	1,926	590	59	348	158	25	2	11	3	23	8	521	133	41	1	-	-	-	-	-	-	-	41	28	4,481
10	613	1,787	122	158	12	9	-	61	621	4,252	705	2,190	1,629	348	85	77	144	635	223	1,052	97	3	24	-	1	20	11	37	7	-	8,612	370	23,905
11	2,318	1,006	1,596	123	6	10	-	41	95	747	5,704	296	3,768	419	1,110	288	233	204	56	132	119	11	13	-	1	5	31	9	-	-	17	-	18,358
12	104	245	79	93	2	2	1	217	402	2,341	254	4,597	2,014	332	5	71	25	282	277	2,283	618	45	-	-	11	-	41	-	34	-	1,199	472	16,046
13	727	712	441	183	20	7	5	19	147	1,378	3,431	2,072	59,834	2,250	1,202	4,139	738	60	57	492	14	5	-	-	50	1	227	17	102	46	74	10	78,460
14	67	78	61	33	11	-	-	7	20	413	409	328	2,096	310	31	51	31	11	7	58	-	-	-	-	-	-	-	-	-	-	14	6	4,042
15	2,098	750	11	2	3	3	2	6	4	76	1,135	11	1,230	35	13,502	501	5,341	577	123	79	-	-	1	-	8	15	4	27	18	-	-	-	25,562
16	274	100	31	7	-	1	-	-	31	92	286	151	3,914	54	536	8,117	546	13	2	-	-	5	4	-	462	52	43	183	-	-	4	-	14,908
17	2,291	927	9	1	2	15	-	13	4	110	305	23	771	33	6,014	570	9,369	1,055	241	10	2	5	-	-	70	68	5	30	-	-	6	-	21,949
18	1,695	660	42	16	-	13	1	24	24	603	188	490	88	14	603	8	972	4,223	1,279	976	116	3	16	-	-	-	-	62	6	31	372	90	12,815
19	106	287	1	2	-	-	-	-	12	214	63	353	41	7	114	3	291	1,346	1,163	2,514	62	5	-	-	-	-	-	-	-	-	264	20	6,868
20	444	761	178	315	228	138	181	1,599	770	1,099	149	2,168	569	57	18	4	43	1,107	2,647	4,033	3,472	675	206	23	76	3	202	78	81	-	23,767	5,412	50,503
21	281	716	157	172	528	216	245	922	129	95	28	897	42	-	-	-	2	86	64	3,647	5,491	937	152	59	684	46	-	80	19	-	1,250	790	17,735
22	17	64	44	95	258	15	49	443	43	4	9	44	2	-	-	-	-	2	6	642	922	1,612	37	11	257	46	-	34	15	-	96	30	4,797
23	286	55	42	51	543	363	562	12	-	19	41	-	1	-	6	1	-	2	-	126	88	38	239	283	297	110	5	279	22	2	86	10	3,569
24	48	21	6	31	460	59	13	8	1	-	-	-	-	-	-	-	-	-	-	23	64	15	606	2,378	895	189	5	56	-	-	53	-	4,931
25	71	10	132	309	4,272	42	26	286	-	1	10	26	15	-	8	95	72	-	-	34	604	267	403	869	31,977	6,725	425	84	-	-	2,156	-	48,919
26	46	13	86	128	1,379	15	-	37	-	7	180	-	34	-	17	496	467	1	-	-	45	29	203	182	8,026	18,621	514	166	-	8	381	-	31,081
27	29	1	5	6	57	1	-	-	-	-	33	1	62	4	4	186	66	-	-	38	-	12	-	-	421	516	22,053	72	-	54	-	7	23,628
28	382	237	127	29	41	97	-	62	-	85	10	-	7	-	28	217	7	27	-	6	89	48	277	64	227	283	711	163,394	32	445	130	-	167,062
29	68	59	18	-	82	-	37	36	3	-	-	53	-	-	-	-	-	-	-	67	16	17	51	-	-	-	41	48	3,276	-	149	981	5,002
30	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	14	48	480	-	11	546	-	1,161
31	149	518	144	170	247	123	20	119	47	874	11	271	147	9	1	2	-	175	244	2,447	413	137	33	49	2,050	362	5	196	178	710	123,650	8,032	141,533
32	30	111	27	18	2	18	13	84	20	69	-	164	103	3	-	-	-	99	30	724	231	26	-	27	-	-	7	-	2,193	-	7,337	19,937	31,273
Total	58,741	32,397	11,690	19,725	28,158	10,074	7,041	9,617	4,888	15,990	16,471	15,269	79,348	4,148	26,068	15,412	21,304	12,655	6,789	23,739	15,313	4,765	4,023	4,592	50,026	28,825	24,435	165,969	6,132	1,307	171,353	36,591	932,855

Future OD Matrix in 2020 (Truck)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	367	124	13	40	-	140	28	3	8	10	30	3	46	16	60	12	124	28	18	11	9	3	6	-	3	27	16	115	6	25	66	-	1,357
2	123	552	4	12	2	357	34	12	49	67	54	11	117	5	43	18	29	8	10	20	30	11	9	1	28	11	21	67	9	16	158	4	1,892
3	13	4	14	24	23	23	5	4	9	2	-	1	48	3	-	7	6	-	-	2	7	23	3	5	189	139	14	80	3	-	243	-	894
4	24	3	27	472	218	157	48	73	30	55	35	35	67	5	-	11	2	-	-	2	33	56	16	31	654	303	60	148	9	-	330	2	2,906
5	-	10	17	186	1,720	757	387	239	101	179	19	214	389	37	1	6	14	14	14	193	342	153	170	111	908	266	10	291	1	17	572	25	7,363
6	192	315	21	155	692	462	429	482	35	146	160	89	839	26	246	191	247	424	252	505	991	164	130	334	726	245	25	1,206	4	-	628	68	10,429
7	23	62	7	40	281	418	420	169	43	52	36	16	33	4	14	6	34	18	1	7	124	85	41	63	139	56	2	35	-	-	58	-	2,287
8	3	9	6	81	209	389	153	406	55	118	26	114	190	13	20	19	17	10	5	78	72	92	29	6	210	43	22	33	15	-	111	-	2,554
9	20	16	11	32	104	46	67	63	202	115	94	51	227	25	31	23	45	3	1	25	38	21	9	20	83	32	14	17	-	-	40	-	1,475
10	13	89	4	68	223	137	49	104	115	999	258	319	1,206	180	186	228	179	53	11	31	81	60	33	-	237	118	20	90	-	27	33	2	5,153
11	36	54	-	49	30	120	34	29	56	283	820	127	945	173	266	266	115	21	11	27	38	34	8	10	39	13	31	6	7	7	44	3	3,702
12	6	14	-	26	207	131	20	140	64	326	120	695	751	79	72	67	44	50	22	30	111	71	30	2	47	-	15	27	18	-	55	2	3,242
13	74	78	42	111	348	773	37	189	305	1,527	1,027	788	7,829	594	527	778	233	96	13	261	108	165	58	3	210	83	123	74	2	14	145	12	16,627
14	14	8	-	7	36	29	10	13	17	187	172	85	534	82	66	46	33	39	9	11	21	9	-	-	19	19	6	101	4	4	71	2	1,654
15	75	81	1	1	-	180	17	43	23	204	231	55	393	63	744	96	270	46	2	18	24	33	1	2	4	1	5	18	12	11	32	-	2,686
16	19	16	9	12	9	114	4	21	39	171	299	105	988	78	128	784	36	2	1	26	22	49	-	-	13	-	11	4	5	8	7	-	2,980
17	137	43	1	2	10	189	42	35	48	169	166	59	250	64	325	53	444	61	111	12	38	26	8	-	3	6	4	33	-	12	22	-	2,373
18	49	8	-	-	16	254	12	8	4	51	31	68	101	38	67	1	51	561	122	27	21	39	4	2	3	-	-	82	3	10	84	4	1,721
19	12	6	-	-	10	192	11	1	1	13	7	17	12	29	6	-	75	110	95	6	-	7	-	-	-	4	-	8	-	-	32	-	654
20	4	16	2	6	188	701	13	113	24	38	19	33	274	11	29	37	7	42	10	346	274	72	20	25	18	-	33	19	19	10	95	11	2,509
21	13	27	17	31	310	1,133	26	92	65	127	41	127	83	15	35	29	34	7	1	331	415	139	141	41	24	7	1	42	12	-	86	2	3,454
22	11	10	6	53	136	148	36	79	20	47	36	75	152	12	34	28	21	23	5	63	104	150	9	5	94	51	1	25	1	9	70	-	1,514
23	6	1	3	18	95	150	54	8	7	37	10	25	39	-	-	-	-	4	-	22	89	9	46	24	10	7	-	3	-	-	164	-	831
24	-	1	2	15	178	341	94	6	6	-	4	-	3	-	1	-	-	2	-	28	42	6	54	657	134	22	-	1	-	-	21	-	1,618
25	16	67	238	628	765	879	209	313	108	268	41	55	197	12	29	13	3	2	-	15	27	125	16	156	4,186	693	98	61	15	-	398	17	9,650
26	33	12	125	262	343	364	58	51	23	69	11	-	16	1	1	-	6	-	1	5	-	44	11	25	623	1,794	22	140	-	-	71	-	4,111
27	12	24	8	34	14	23	7	24	11	45	22	27	149	6	25	11	4	1	-	12	8	4	-	-	96	21	1,423	7	-	17	17	-	2,052
28	80	84	287	432	438	853	100	105	66	89	41	41	131	98	26	6	32	52	22	26	72	51	152	14	100	446	11	9,763	8	47	444	18	14,135
29	3	12	9	18	-	8	-	43	-	5	4	20	2	4	4	37	-	56	-	38	-	-	-	-	1	-	-	1	239	-	29	2	535
30	21	8	-	-	32	-	-	-	-	22	18	-	16	4	24	10	16	8	-	-	-	-	26	-	-	-	19	69	-	17	12	-	322
31	112	200	265	304	543	396	81	103	34	47	43	54	96	54	36	7	32	101	22	92	84	63	220	21	346	150	16	185	25	4	17,699	381	21,816
32	11	3	-	2	36	47	-	2	-	-	-	-	12	-	-	-	-	4	-	11	2	-	-	-	6	-	-	4	2	-	469	619	1,230
Total	1,522	1,957	1,139	3,121	7,216	9,911	2,485	2,973	1,568	5,468	3,875	3,309	16,135	1,731	3,046	2,790	2,153	1,846	759	2,281	3,227	1,764	1,250	1,558	9,153	4,557	2,023	12,755	419	255	22,306	1,174	135,726

Future OD Matrix in 2020 (Bus)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Total
1	6,835	1,074	1,462	103	154	80	-	-	87	83	285	-	319	-	814	277	119	1,211	-	154	151	-	-	-	269	98	66	27	-	-	730	-	14,398
2	995	916	34	104	-	-	-	-	151	108	-	82	121	-	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165	-	2,752
3	1,306	98	2,283	937	-	-	-	-	-	-	-	-	323	-	43	-	-	376	-	19	159	-	-	-	-	161	-	-	-	-	103	-	5,808
4	-	129	1,244	2,233	468	1,214	537	-	-	-	-	-	211	-	-	85	-	91	-	43	-	234	388	224	-	-	-	-	-	-	-	-	7,101
5	-	161	-	493	2,001	282	234	194	-	-	-	-	-	122	-	-	-	-	-	-	-	-	-	548	511	-	-	31	-	-	80	-	4,657
6	685	-	-	1,385	343	1,261	-	-	-	187	-	-	-	-	-	237	-	157	-	224	-	-	-	-	-	-	-	-	-	-	12	-	4,491
7	-	118	-	224	216	-	-	-	-	-	438	-	-	-	-	-	-	-	-	-	297	-	-	-	158	-	-	-	-	-	-	-	1,451
8	-	-	-	-	132	-	-	2,155	-	-	97	122	-	-	79	117	-	-	-	-	-	-	-	-	-	63	16	-	-	-	-	-	2,781
9	92	89	-	-	-	73	-	-	433	125	-	-	163	-	-	-	-	-	-	42	-	164	-	-	-	-	-	-	-	-	-	-	1,181
10	-	-	-	-	-	142	41	48	363	1,341	276	-	-	-	-	-	352	-	-	-	-	-	-	-	-	-	-	70	-	-	36	-	2,669
11	139	74	142	195	-	-	87	-	-	255	7,212	229	267	273	192	113	-	-	-	-	-	49	-	-	219	-	-	75	-	-	-	44	9,565
12	-	-	-	-	-	-	-	153	-	-	152	1,641	164	-	64	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	348	-	2,542
13	416	92	183	143	120	-	-	64	190	116	140	-	3,421	1,282	247	843	18	-	-	95	-	-	1,203	-	283	-	9	5	-	152	41	92	7,952
14	-	-	-	-	140	-	-	-	-	-	436	-	1,289	-	314	121	-	165	-	-	-	-	-	266	-	-	-	-	-	-	-	-	2,445
15	800	-	-	-	-	-	-	-	-	-	154	86	392	237	2,318	-	-	-	-	-	91	90	-	-	105	-	82	69	-	69	152	-	4,645
16	299	-	-	-	-	39	-	-	138	-	256	-	613	169	-	811	-	-	-	47	-	-	-	-	38	96	64	22	-	-	-	32	2,624
17	158	-	-	-	-	-	-	-	-	44	-	29	192	-	-	-	733	153	-	49	-	-	-	-	-	-	-	-	-	8	88	-	1,454
18	1,059	-	520	126	-	143	-	-	-	-	-	-	-	162	-	-	239	-	-	-	122	-	-	-	-	-	-	34	-	-	-	-	2,405
19	-	-	-	-	-	-	-	-	-	-	156	-	-	-	-	-	-	-	353	66	236	-	-	-	-	-	-	-	-	-	305	-	1,116
20	147	-	19	56	47	56	-	-	24	22	-	119	171	-	93	28	69	-	77	332	-	222	-	-	-	-	-	-	-	-	654	-	2,137
21	346	111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131	418	-	892	-	-	-	298	-	-	24	-	-	452	89	2,761
22	67	-	-	-	32	-	-	181	126	-	-	-	-	-	74	-	-	-	-	-	-	1,203	-	-	-	-	-	-	-	-	219	-	1,902
23	-	-	132	229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	266	-	246	-	-	-	-	-	-	-	873
24	-	-	-	464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	616	157	-	-	-	-	-	-	-	1,237
25	140	-	-	-	537	878	-	122	-	-	28	-	-	-	-	60	-	-	37	288	720	392	-	470	171	3,155	-	-	-	-	245	-	7,253
26	275	-	79	168	-	-	-	-	-	16	-	-	-	-	-	384	3	-	-	-	-	-	-	-	196	3,489	161	48	-	-	63	-	4,882
27	141	-	-	-	-	-	-	41	-	-	-	-	-	-	73	80	-	-	-	-	-	-	-	-	-	200	5,361	61	54	-	18	-	6,058
28	4	-	-	-	31	-	-	-	-	80	31	4	58	-	90	32	83	107	-	-	31	-	-	-	-	98	47	7,000	-	-	664	16	8,376
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	3,140	-	-	-	3,143
30	-	-	-	-	-	-	-	-	134	4	-	-	146	-	73	-	-	-	-	-	-	-	-	-	-	-	15	2	-	-	14	-	388
31	134	-	101	-	-	27	-	64	-	229	66	-	152	-	138	-	-	-	339	2,890	818	89	-	-	175	71	16	558	6	-	12,430	482	18,785
32	-	-	-	-	-	-	-	-	-	-	146	-	368	-	-	-	-	-	-	-	250	-	-	-	-	-	-	16	-	312	516	1,692	3,300
Total	14,038	2,862	6,199	6,860	4,221	4,195	899	3,022	1,646	2,610	9,873	2,312	8,379	2,245	4,688	3,189	1,616	2,391	1,227	4,259	3,767	2,443	1,124	1,559	5,810	4,276	5,837	8,062	3,200	541	17,335	2,447	143,132