5. Other Data and Information

5-1 Traffic Volume Survey

The traffic volume survey was conducted as shown below with the results shown in the tables

Date implemented: March 20, 2008 (Thursday) Place: Rawal Bridge on the Buka side Implementation time: 06:00~18:00 (12 hours) Weather: Cloudy later fine

Туре	06:00	08:00	10:00	12:00	14:00	16:00	Total
	-08:00	-10:00	-12:00	-14:00	-16:00	-18:00	
4WD	1	2	6	5	5	5	24
Truck	0	1	9	18	22	12	62
Total	1	3	15	23	27	17	86
vehicles							
Passengers	5	25	163	345	615	247	1400
Pedestrians	3	2	19	2	1	0	27

1) Traffic volume heading to Arawa

2)	Traffic	volume	heading	to	Buka
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Туре	06:00	08:00	10:00	12:00	14:00	16:00	Total
	-08:00	-10:00	-12:00	-14:00	-16:00	-18:00	
4WD	10	7	2	2	1	2	24
Truck	16	24	3	1	2	2	48
Total	26	31	5	3	3	4	72
vehicles							
Passengers	359	548	54	10	17	29	1017
Pedestrians	11	8	2	0	1	1	23

Туре	06:00	08:00	10:00	12:00	14:00	16:00	Total
	-08:00	-10:00	-12:00	-14:00	-16:00	-18:00	
4WD	11	9	8	7	6	7	48
Truck	16	25	12	19	24	14	110
Total	27	34	20	26	30	21	158
vehicles							
Passengers	364	573	217	355	632	276	2417
Pedestrians	14	10	21	2	2	1	50

3) Traffic volume in both directions

Since March 20 was the day before the Easter break from the 21st to the 24th, traffic volume was relatively high and vehicles were almost full with passengers. Regarding the types of freight being carried, there were numerous vehicles carrying bags of copra and cacao to Buka, while there were a lot of vehicles carrying food, daily necessities and fuel in the opposite direction to Arawa.

5-2 Results of Surveying Investigation

In order to gauge the current state of the target bridges and conditions on the road, topographical surveying and longitudinal and cross-sectional surveying of the road and rivers were carried out, and ground plans, longitudinal sections and cross-sectional views were prepared for each bridge. These surveying activities were carried out using total station and GPS surveying instruments. At each bridge point, temporary benchmarks acting as reference points (2 at each bridge) were set under instructions from the Study Team.

The surveying drawings, benchmarks and benchmark coordinates are indicated in the following drawings.

















