

COST/BRNBFIT STREAM (21/26)

41.TALABA (PPH South 181) Replacement of Superstructure													
Unit: 1000 Pesos													
Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits		
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd		
1990	127	127	693	693	0	0	66	66	0	0	0	0	
1991	0	0	907	907	0	0	66	66	0	0	0	0	
1992	0	0	1,187	1,187	0	0	66	66	0	0	0	0	
1993	2,524	1,660	1,551	1,551	0	0	66	66	0	0	0	0	
1994	0	0	2,024	129	0	0	66	5	0	0	1,957	1,119	
1995	0	0	2,639	170	0	0	66	5	0	0	2,530	1,258	
1996	0	0	3,427	223	0	0	66	5	0	0	3,265	1,412	
1997	0	0	4,443	293	0	0	66	5	0	0	4,211	1,583	
1998	0	0	5,742	385	0	0	66	5	0	0	5,417	1,771	
1999	0	0	7,396	506	0	0	66	5	0	0	6,951	1,976	
2000	0	0	9,487	666	0	0	66	5	0	0	8,882	2,196	
2001	0	0	12,100	874	0	0	66	5	0	0	11,288	2,426	
2002	0	0	15,348	1,146	0	0	66	5	0	0	14,263	2,666	
2003	0	0	19,347	1,503	0	0	66	5	0	0	17,905	2,910	
2004	0	0	24,225	1,971	0	0	66	5	0	0	22,315	3,154	
2005	0	0	30,095	2,582	0	0	66	5	0	0	27,574	3,389	
2006	0	0	37,097	3,381	0	0	66	5	0	0	33,777	3,610	
2007	0	0	45,322	4,423	0	0	66	5	0	0	40,960	3,806	
2008	0	0	54,851	5,779	0	0	66	5	0	0	49,134	3,970	
2009	0	0	65,758	7,539	0	0	66	5	0	0	58,280	4,095	
2010	0	0	78,045	9,814	0	0	66	5	0	0	68,292	4,173	
2011	0	0	91,759	12,748	0	0	66	5	0	0	79,072	4,201	
2012	0	0	106,876	16,512	0	0	66	5	0	0	90,426	4,178	
2013	0	0	123,361	21,312	0	0	66	5	0	0	102,110	4,102	
2014	0	0	141,203	27,398	0	0	66	5	0	884	114,750	4,009	
Total	2,651	1,787	884,883	123,692	0	0	1,650	369	0	884	763,359	62,002	

Net Present Value 60,215
 B/C Ratio 34.70
 Internal Rate of Return 86.9%

42.BINAHAAN (PPH South 186) Replacement of Superstructure													
Unit: 1000 Pesos													
Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits		
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd		
1990	208	208	652	652	0	0	102	102	0	0	0	0	
1991	0	0	856	856	0	0	102	102	0	0	0	0	
1992	0	0	1,122	1,122	0	0	102	102	0	0	0	0	
1993	3,856	2,535	1,468	1,468	0	0	102	102	0	0	0	0	
1994	0	0	1,921	122	0	0	102	8	0	0	1,892	1,082	
1995	0	0	2,507	161	0	0	102	8	0	0	2,440	1,213	
1996	0	0	3,265	212	0	0	102	8	0	0	3,146	1,360	
1997	0	0	4,238	280	0	0	102	8	0	0	4,052	1,523	
1998	0	0	5,490	368	0	0	102	8	0	0	5,216	1,705	
1999	0	0	7,083	485	0	0	102	8	0	0	6,691	1,902	
2000	0	0	9,103	639	0	0	102	8	0	0	8,558	2,115	
2001	0	0	11,633	840	0	0	102	8	0	0	10,886	2,340	
2002	0	0	14,786	1,104	0	0	102	8	0	0	13,775	2,575	
2003	0	0	18,680	1,452	0	0	102	8	0	0	17,322	2,815	
2004	0	0	23,438	1,907	0	0	102	8	0	0	21,624	3,056	
2005	0	0	29,177	2,503	0	0	102	8	0	0	26,768	3,290	
2006	0	0	36,041	3,285	0	0	102	8	0	0	32,850	3,511	
2007	0	0	44,132	4,307	0	0	102	8	0	0	39,918	3,709	
2008	0	0	53,525	5,639	0	0	102	8	0	0	47,980	3,877	
2009	0	0	64,314	7,373	0	0	102	8	0	0	57,034	4,008	
2010	0	0	76,516	9,621	0	0	102	8	0	0	66,988	4,093	
2011	0	0	90,153	12,525	0	0	102	8	0	0	77,722	4,129	
2012	0	0	105,226	16,257	0	0	102	8	0	0	89,062	4,115	
2013	0	0	121,742	21,033	0	0	102	8	0	0	100,802	4,050	
2014	0	0	139,687	27,104	0	0	102	8	0	1,355	114,031	3,984	
Total	4,064	2,743	866,755	121,315	0	0	2,550	576	0	1,355	748,757	60,451	

Net Present Value 57,708
 B/C Ratio 22.04
 Internal Rate of Return 67.1%

COST/BENEFIT STREAM (22/26)

43.PALSABANGON (PPH South 190) Replacement of Superstructure Unit : 1000. Pesos

Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits	
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd	
1990	220	0	220	852	0	0	107	107	0	0	0	0
1991	0	0	0	856	0	0	107	107	0	0	0	0
1992	0	0	0	1,122	0	0	107	107	0	0	0	0
1993	4,065	2,673	0	1,468	0	0	107	107	0	0	0	0
1994	0	0	0	1,921	0	0	107	9	0	0	1,898	1,085
1995	0	0	0	2,507	0	0	107	9	0	0	2,445	1,215
1996	0	0	0	3,265	0	0	107	9	0	0	3,151	1,362
1997	0	0	0	4,238	0	0	107	9	0	0	4,057	1,525
1998	0	0	0	5,490	0	0	107	9	0	0	5,221	1,707
1999	0	0	0	7,083	0	0	107	9	0	0	6,696	1,903
2000	0	0	0	9,103	0	0	107	9	0	0	8,563	2,117
2001	0	0	0	11,633	0	0	107	9	0	0	10,891	2,341
2002	0	0	0	14,786	0	0	107	9	0	0	13,780	2,576
2003	0	0	0	18,680	0	0	107	9	0	0	17,328	2,816
2004	0	0	0	23,438	0	0	107	9	0	0	21,630	3,057
2005	0	0	0	29,177	0	0	107	9	0	0	26,773	3,290
2006	0	0	0	36,041	0	0	107	9	0	0	32,855	3,511
2007	0	0	0	44,132	0	0	107	9	0	0	39,923	3,710
2008	0	0	0	53,525	0	0	107	9	0	0	47,985	3,877
2009	0	0	0	64,314	0	0	107	9	0	0	57,039	4,008
2010	0	0	0	76,516	0	0	107	9	0	0	66,993	4,093
2011	0	0	0	90,153	0	0	107	9	0	0	77,727	4,130
2012	0	0	0	105,226	0	0	107	9	0	0	89,067	4,115
2013	0	0	0	121,742	0	0	107	9	0	0	100,808	4,050
2014	0	0	0	139,687	0	0	107	9	0	1,428	114,110	3,986
Total	4,285	2,893	0	866,755	0	0	2,675	617	0	1,428	748,940	604,750

Net Present Value 57,582
 B/C Ratio 20.90
 Internal Rate of Return 65.3%

44.LAGNAS 2 (PPH South 206) Repair Unit : 1000. Pesos

Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits	
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd	
1990	12	12	0	909	0	0	5	5	0	0	0	0
1991	0	0	0	1,193	0	0	5	5	0	0	0	0
1992	185	140	0	1,564	0	0	5	5	0	0	0	0
1993	0	0	0	2,049	0	0	5	0	0	0	1,626	1,069
1994	0	0	0	2,678	0	0	5	0	0	0	2,121	1,212
1995	0	0	0	3,497	0	0	5	0	0	0	2,762	1,373
1996	0	0	0	4,551	0	0	5	0	0	0	3,583	1,549
1997	0	0	0	5,909	0	0	5	0	0	0	4,636	1,743
1998	0	0	0	7,650	0	0	5	0	0	0	5,977	1,954
1999	0	0	0	9,870	0	0	5	0	0	0	7,672	2,181
2000	0	0	0	12,683	0	0	5	0	0	0	9,800	2,422
2001	0	0	0	16,202	0	0	5	0	0	0	12,429	2,671
2002	0	0	0	20,585	0	0	5	0	0	0	15,655	2,926
2003	0	0	0	25,993	0	0	5	0	0	0	19,561	3,179
2004	0	0	0	32,592	0	0	5	0	0	0	24,218	3,423
2005	0	0	0	40,563	0	0	5	0	0	0	29,685	3,648
2006	0	0	0	50,078	0	0	5	0	0	0	35,985	3,846
2007	0	0	0	61,279	0	0	5	0	0	0	43,082	4,003
2008	0	0	0	74,291	0	0	5	0	0	0	50,886	4,112
2009	0	0	0	89,186	0	0	5	0	0	0	59,228	4,162
2010	0	0	0	106,017	0	0	5	0	0	0	67,879	4,147
2011	0	0	0	124,827	0	0	5	0	0	0	76,569	4,068
2012	0	0	0	145,584	0	0	5	0	0	0	84,947	3,925
2013	0	0	0	168,286	0	0	5	0	0	0	92,675	3,723
2014	0	0	0	192,903	0	0	5	0	0	39	99,447	3,474
Total	197	152	0	1,200,939	0	0	125	15	0	39	750,423	64,811

Net Present Value 64,659
 B/C Ratio 426.39
 Internal Rate of Return 381.4%

COST/BENEFIT STREAM (23/26)

45.STO CRISTO (PPH South 208) Replacement of Superstructure													Unit : 1000 Pesos	
Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits			
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd			
1990	151	151	909	909	0	0	74	74	0	0	0	0		
1991	0	0	1,193	1,193	0	0	74	74	0	0	0	0		
1992	2,791	2,110	1,564	1,564	0	0	74	74	0	0	0	0		
1993	0	0	2,049	158	0	0	74	6	0	0	1,959	1,288		
1994	0	0	2,678	208	0	0	74	6	0	0	2,538	1,451		
1995	0	0	3,497	274	0	0	74	6	0	0	3,290	1,636		
1996	0	0	4,551	361	0	0	74	6	0	0	4,258	1,841		
1997	0	0	5,909	476	0	0	74	6	0	0	5,501	2,068		
1998	0	0	7,650	626	0	0	74	6	0	0	7,092	2,318		
1999	0	0	9,870	824	0	0	74	6	0	0	9,114	2,591		
2000	0	0	12,683	1,084	0	0	74	6	0	0	11,666	2,884		
2001	0	0	16,202	1,425	0	0	74	6	0	0	14,845	3,191		
2002	0	0	20,585	1,872	0	0	74	6	0	0	18,781	3,510		
2003	0	0	25,993	2,457	0	0	74	6	0	0	23,604	3,836		
2004	0	0	32,592	3,223	0	0	74	6	0	0	29,436	4,160		
2005	0	0	40,563	4,225	0	0	74	6	0	0	36,405	4,474		
2006	0	0	50,078	5,535	0	0	74	6	0	0	44,610	4,767		
2007	0	0	61,279	7,242	0	0	74	6	0	0	54,105	5,028		
2008	0	0	74,291	9,460	0	0	74	6	0	0	64,898	5,244		
2009	0	0	89,186	12,332	0	0	74	6	0	0	76,922	5,405		
2010	0	0	106,017	16,037	0	0	74	6	0	0	90,048	5,502		
2011	0	0	124,827	20,798	0	0	74	6	0	0	104,097	5,531		
2012	0	0	145,584	26,878	0	0	74	6	0	0	118,773	5,487		
2013	0	0	168,286	34,598	0	0	74	6	0	0	133,756	5,374		
2014	0	0	192,903	44,325	0	0	74	6	0	981	149,626	5,227		
Total	2,942	2,261	1,200,939	198,084	0	0	1,850	354	0	981	1,005,324	82,813		

Net Present Value 80,552
 B/C Ratio 36.63
 Internal Rate of Return 88.0%

46.MAGAPONG (PPH South 220) Replacement of Superstructure													Unit : 1000 Pesos	
Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits			
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd			
1990	151	151	526	526	44,423	44,423	75	75	0	0	0	0		
1991	0	0	684	684	47,194	47,194	75	75	0	0	0	0		
1992	2,560	2,163	887	887	50,103	50,103	75	75	0	0	0	0		
1993	0	0	1,147	35	53,197	50,537	75	6	0	0	3,841	2,526		
1994	0	0	1,477	46	56,475	53,651	75	6	0	0	4,324	2,473		
1995	0	0	1,895	60	59,985	56,985	75	6	0	0	4,904	2,438		
1996	0	0	2,420	79	63,633	60,451	75	6	0	0	5,591	2,417		
1997	0	0	3,072	104	67,512	64,136	75	6	0	0	6,413	2,411		
1998	0	0	3,876	137	71,575	67,997	75	6	0	0	7,387	2,415		
1999	0	0	4,858	180	75,962	72,164	75	6	0	0	8,546	2,429		
2000	0	0	6,042	236	80,580	76,551	75	6	0	0	9,904	2,448		
2001	0	0	7,440	310	85,336	81,069	75	6	0	0	11,466	2,465		
2002	0	0	9,082	407	90,370	85,851	75	6	0	0	13,263	2,479		
2003	0	0	10,982	534	95,726	90,940	75	6	0	0	15,303	2,487		
2004	0	0	13,150	699	101,360	96,292	75	6	0	0	17,587	2,486		
2005	0	0	15,595	916	107,363	101,995	75	6	0	0	20,117	2,472		
2006	0	0	18,323	1,199	113,643	107,961	75	6	0	0	22,876	2,445		
2007	0	0	21,323	1,566	120,293	114,278	75	6	0	0	25,841	2,401		
2008	0	0	24,597	2,044	127,312	120,946	75	6	0	0	28,989	2,342		
2009	0	0	28,138	2,661	134,792	128,053	75	6	0	0	32,286	2,269		
2010	0	0	31,942	3,457	142,643	135,511	75	6	0	0	35,686	2,180		
2011	0	0	36,013	4,478	151,001	143,451	75	6	0	0	39,154	2,080		
2012	0	0	40,351	5,781	159,821	151,830	75	6	0	0	42,630	1,970		
2013	0	0	44,971	7,434	169,195	160,735	75	6	0	0	46,066	1,851		
2014	0	0	49,887	9,514	179,077	170,123	75	6	0	1,004	50,400	1,761		
Total	3,011	2,314	378,678	43,974	2,448,571	2,333,227	1,875	357	0	1,004	452,574	51,243		

Net Present Value 48,929
 B/C Ratio 22.15
 Internal Rate of Return 120.2%

COST/BENEFIT STREAM (24/26)

47.BIGA (PPH South 223) Repair Unit: 1000 Pesos

Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits	
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd	
1990	46	46	725	725	0	0	24	24	0	0	0	0
1991	0	0	951	951	0	0	24	24	0	0	0	0
1992	915	692	1,244	1,244	0	0	24	24	0	0	0	0
1993	0	0	1,622	133	0	0	24	2	0	0	1,511	994
1994	0	0	2,109	176	0	0	24	2	0	0	1,955	1,118
1995	0	0	2,729	233	0	0	24	2	0	0	2,518	1,252
1996	0	0	3,516	309	0	0	24	2	0	0	3,229	1,396
1997	0	0	4,507	410	0	0	24	2	0	0	4,119	1,548
1998	0	0	5,739	543	0	0	24	2	0	0	5,219	1,706
1999	0	0	7,259	718	0	0	24	2	0	0	6,563	1,866
2000	0	0	9,110	949	0	0	24	2	0	0	8,183	2,023
2001	0	0	11,326	1,252	0	0	24	2	0	0	10,096	2,170
2002	0	0	13,956	1,649	0	0	24	2	0	0	12,329	2,304
2003	0	0	17,034	2,169	0	0	24	2	0	0	14,887	2,420
2004	0	0	20,591	2,847	0	0	24	2	0	0	17,786	2,511
2005	0	0	24,647	3,728	0	0	24	2	0	0	20,941	2,574
2006	0	0	29,238	4,872	0	0	24	2	0	0	24,389	2,606
2007	0	0	34,364	6,344	0	0	24	2	0	0	28,042	2,606
2008	0	0	39,827	8,188	0	0	24	2	0	0	31,661	2,558
2009	0	0	42,199	9,696	0	0	24	2	0	0	32,524	2,285
2010	0	0	44,361	11,418	0	0	24	2	0	0	32,985	2,014
2011	0	0	46,304	13,361	0	0	24	2	0	0	32,965	1,751
2012	0	0	48,026	15,524	0	0	24	2	0	0	32,524	1,503
2013	0	0	49,534	17,895	0	0	24	2	0	0	31,661	1,272
2014	0	0	50,842	20,454	0	0	24	2	0	192	30,602	1,069
Total	961	738	511,760	125,788	0	0	600	116	0	192	386,649	41,546

Net Present Value 40,808
 B/C Ratio 56.30
 Internal Rate of Return 153.5%

48.SAN CRISTOBAL (PPH South 227) Repair Unit: 1000 Pesos

Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits	
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd	
1990	301	301	450	450	0	0	149	149	0	0	0	0
1991	0	0	589	589	0	0	149	149	0	0	0	0
1992	5,674	4,290	769	769	0	0	149	149	0	0	0	0
1993	0	0	1,002	82	0	0	149	12	0	0	1,058	695
1994	0	0	1,301	109	0	0	149	12	0	0	1,329	760
1995	0	0	1,681	144	0	0	149	12	0	0	1,674	832
1996	0	0	2,162	190	0	0	149	12	0	0	2,109	912
1997	0	0	2,765	251	0	0	149	12	0	0	2,651	997
1998	0	0	3,516	332	0	0	149	12	0	0	3,321	1,086
1999	0	0	4,438	439	0	0	149	12	0	0	4,137	1,176
2000	0	0	5,560	579	0	0	149	12	0	0	5,118	1,265
2001	0	0	6,901	763	0	0	149	12	0	0	6,275	1,349
2002	0	0	8,486	1,003	0	0	149	12	0	0	7,822	1,425
2003	0	0	10,342	1,317	0	0	149	12	0	0	9,162	1,489
2004	0	0	12,479	1,726	0	0	149	12	0	0	10,891	1,539
2005	0	0	14,909	2,255	0	0	149	12	0	0	12,791	1,572
2006	0	0	17,582	2,929	0	0	149	12	0	0	14,790	1,581
2007	0	0	20,539	3,792	0	0	149	12	0	0	16,884	1,569
2008	0	0	23,781	4,869	0	0	149	12	0	0	19,029	1,538
2009	0	0	26,447	6,077	0	0	149	12	0	0	20,508	1,441
2010	0	0	27,803	7,156	0	0	149	12	0	0	20,784	1,270
2011	0	0	29,020	8,374	0	0	149	12	0	0	20,784	1,104
2012	0	0	30,100	9,729	0	0	149	12	0	0	20,508	947
2013	0	0	31,045	11,216	0	0	149	12	0	0	19,967	802
2014	0	0	31,864	12,819	0	0	149	12	0	1,195	20,378	712
Total	5,975	4,591	315,533	77,979	0	0	3,725	711	0	1,195	241,770	26,060

Net Present Value 21,459
 B/C Ratio 5.68
 Internal Rate of Return 38.9%

COST/BENEFIT STREAM (25/26)

49. JIABONG (PPH Samar 109) Reconstruction													Unit: 1000 Pesos	
Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits			
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd			
1990	0	0	895	895	12,459	12,459	483	483	0	0	0	0		
1991	961	836	1,150	1,150	13,271	13,271	483	483	0	0	0	0		
1992	4,829	3,651	1,464	1,464	14,084	14,084	483	483	0	0	0	0		
1993	9,658	6,350	1,863	1,863	15,032	15,032	483	483	0	0	0	0		
1994	3,868	2,212	2,345	2,345	15,980	15,980	483	483	0	0	0	0		
1995	0	0	2,928	1	16,928	18,081	483	39	181	0	4,399	2,187		
1996	0	0	3,627	1	18,011	17,110	483	39	196	0	5,167	2,234		
1997	0	0	4,449	1	19,094	18,140	483	39	213	0	6,060	2,278		
1998	0	0	5,420	1	20,313	19,297	483	39	231	0	7,110	2,324		
1999	0	0	6,527	2	21,667	20,584	483	39	250	0	8,303	2,360		
2000	0	0	7,801	2	23,022	21,870	483	39	272	0	9,666	2,389		
2001	0	0	9,047	3	24,105	22,900	483	39	290	0	10,983	2,361		
2002	0	0	10,387	4	25,188	23,929	483	39	309	0	12,396	2,317		
2003	0	0	11,830	5	26,407	25,087	483	39	329	0	13,919	2,262		
2004	0	0	13,367	6	27,761	26,373	483	39	351	0	15,544	2,197		
2005	0	0	14,998	8	29,115	27,660	483	39	374	0	17,264	2,122		
2006	0	0	16,692	10	30,470	28,946	483	39	399	0	19,049	2,036		
2007	0	0	18,477	14	31,959	30,361	483	39	426	0	20,931	1,945		
2008	0	0	20,318	18	33,449	31,777	483	39	454	0	22,871	1,848		
2009	0	0	22,272	23	35,074	33,320	483	39	485	0	24,932	1,752		
2010	0	0	24,316	30	36,834	34,993	483	39	518	0	27,090	1,655		
2011	0	0	26,417	39	38,595	36,665	483	39	553	0	29,304	1,557		
2012	0	0	28,643	51	40,355	38,338	483	39	590	0	31,644	1,462		
2013	0	0	30,978	67	42,387	40,267	483	39	630	0	34,105	1,370		
2014	0	0	33,449	87	44,418	42,197	483	39	673	11,590	48,291	1,687		
Total	19,316	13,049	319,660	8,090	655,978	626,721	12,075	3,195	7,724	11,590	369,028	40,344		

Net Present Value 27,295
 B/C Ratio 3.09
 Internal Rate of Return 30.08

50. HINOGBONGAN (PPH Samar 120) Repair													Unit: 1000 Pesos	
Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits			
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd			
1990	0	0	86	86	0	0	52	52	0	0	0	0		
1991	104	90	114	114	0	0	52	52	0	0	0	0		
1992	1,957	1,480	151	151	0	0	52	52	0	0	0	0		
1993	0	0	199	42	0	0	52	4	98	0	303	199		
1994	0	0	263	55	0	0	52	4	106	0	362	207		
1995	0	0	346	73	0	0	52	4	116	0	436	217		
1996	0	0	457	98	0	0	52	4	127	0	534	231		
1997	0	0	600	130	0	0	52	4	138	0	656	247		
1998	0	0	785	172	0	0	52	4	151	0	811	265		
1999	0	0	1,024	228	0	0	52	4	165	0	1,007	286		
2000	0	0	1,331	303	0	0	52	4	180	0	1,255	310		
2001	0	0	1,693	395	0	0	52	4	193	0	1,539	331		
2002	0	0	2,131	511	0	0	52	4	207	0	1,874	350		
2003	0	0	2,673	662	0	0	52	4	221	0	2,280	371		
2004	0	0	3,338	858	0	0	52	4	238	0	2,765	391		
2005	0	0	4,124	1,106	0	0	52	4	255	0	3,320	406		
2006	0	0	5,053	1,422	0	0	52	4	273	0	3,951	422		
2007	0	0	6,150	1,827	0	0	52	4	294	0	4,665	433		
2008	0	0	7,400	2,332	0	0	52	4	315	0	5,431	439		
2009	0	0	8,831	2,967	0	0	52	4	339	0	6,250	439		
2010	0	0	10,420	3,749	0	0	52	4	363	0	7,082	433		
2011	0	0	12,193	4,714	0	0	52	4	391	0	7,917	421		
2012	0	0	18,210	5,886	0	0	52	4	420	0	12,791	591		
2013	0	0	20,174	7,288	0	0	52	4	451	0	13,384	538		
2014	0	0	22,267	8,958	0	0	52	4	485	412	14,254	498		
Total	2,061	1,570	130,013	44,127	0	0	1,300	244	5,526	412	92,867	8,026		

Net Present Value 6,456
 B/C Ratio 5.11
 Internal Rate of Return 34.48

COST/BENEFIT STREAM (26/26)

51.JUBASAN 2 (PPH Samar 160) Replacement of Superstructure Unit : 1000 Pesos

Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits	
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd	
1990	0	0	225	225	0	0	242	242	0	0	0	0
1991	486	423	297	297	0	0	242	242	0	0	0	0
1992	9,163	6,944	392	392	0	0	242	242	0	0	0	0
1993	0	0	516	40	0	0	242	19	0	0	699	459
1994	0	0	679	53	0	0	242	19	0	0	849	485
1995	0	0	892	70	0	0	242	19	0	0	1,045	519
1996	0	0	1,170	93	0	0	242	19	0	0	1,299	562
1997	0	0	1,530	123	0	0	242	19	0	0	1,629	613
1998	0	0	1,996	163	0	0	242	19	0	0	2,055	672
1999	0	0	2,593	217	0	0	242	19	0	0	2,599	739
2000	0	0	7,345	287	0	0	242	19	0	0	7,280	1,799
2001	0	0	8,965	374	0	0	242	19	0	0	8,814	1,894
2002	0	0	10,846	486	0	0	242	19	0	0	10,562	1,978
2003	0	0	12,999	632	0	0	242	19	0	0	12,590	2,046
2004	0	0	15,432	821	0	0	242	19	0	0	14,833	2,096
2005	0	0	18,144	1,066	0	0	242	19	0	0	17,301	2,126
2006	0	0	21,121	1,382	0	0	242	19	0	0	19,962	2,133
2007	0	0	24,370	1,790	0	0	242	19	0	0	22,802	2,119
2008	0	0	27,862	2,315	0	0	242	19	0	0	25,770	2,082
2009	0	0	31,598	2,988	0	0	242	19	0	0	28,832	2,026
2010	0	0	35,568	3,849	0	0	242	19	0	0	31,941	1,952
2011	0	0	39,745	4,942	0	0	242	19	0	0	35,025	1,861
2012	0	0	44,142	6,324	0	0	242	19	0	0	38,040	1,757
2013	0	0	48,769	8,061	0	0	242	19	0	0	40,930	1,644
2014	0	0	53,642	10,230	0	0	242	19	0	3,223	46,857	1,637
Total	9,669	7,366	410,838	47,220	0	0	6,050	1,144	0	3,223	371,734	33,201

Net Present Value 25,835
 B/C Ratio 4.51
 Internal Rate of Return 30.7%

52.JUBASAN 1 (PPH Samar 161) Reconstruction Unit : 1000 Pesos

Year	Cost		EVL		TCHV		M.Cost		Flood w/o	Residual Value	Total Benefits	
	Rehab.	Dis'd	w/o	with	w/o	with	w/o	with			Dis'd	
1990	0	0	1,458	1,458	0	0	485	485	0	0	0	0
1991	973	846	1,877	1,877	0	0	485	485	0	0	0	0
1992	4,852	3,669	2,399	2,399	0	0	485	485	0	0	0	0
1993	9,704	6,381	3,050	3,050	0	0	485	485	0	0	0	0
1994	3,879	2,218	3,851	3,851	0	0	485	485	0	0	0	0
1995	0	0	4,826	1	0	0	485	39	0	0	5,271	2,621
1996	0	0	5,995	1	0	0	485	39	0	0	6,440	2,784
1997	0	0	7,363	2	0	0	485	39	0	0	7,828	2,943
1998	0	0	9,008	2	0	0	485	39	0	0	9,452	3,090
1999	0	0	10,877	3	0	0	485	39	0	0	11,321	3,218
2000	0	0	13,026	4	0	0	485	39	0	0	13,469	3,329
2001	0	0	15,147	5	0	0	485	39	0	0	15,589	3,351
2002	0	0	17,450	6	0	0	485	39	0	0	17,890	3,344
2003	0	0	19,924	8	0	0	485	39	0	0	20,363	3,310
2004	0	0	22,563	10	0	0	485	39	0	0	22,990	3,250
2005	0	0	25,361	14	0	0	485	39	0	0	25,794	3,170
2006	0	0	28,300	18	0	0	485	39	0	0	28,729	3,070
2007	0	0	31,404	23	0	0	485	39	0	0	31,828	2,958
2008	0	0	34,653	30	0	0	485	39	0	0	35,070	2,834
2009	0	0	38,070	39	0	0	485	39	0	0	38,477	2,704
2010	0	0	41,664	51	0	0	485	39	0	0	42,059	2,570
2011	0	0	45,425	67	0	0	485	39	0	0	45,804	2,434
2012	0	0	49,386	88	0	0	485	39	0	0	49,744	2,298
2013	0	0	53,572	115	0	0	485	39	0	0	53,904	2,166
2014	0	0	58,013	151	0	0	485	39	0	11,645	69,954	2,444
Total	19,408	13,113	544,682	13,273	0	0	12,125	3,205	0	11,645	551,985	57,885

Net Present Value 44,772
 B/C Ratio 4.41
 Internal Rate of Return 35.4%

APPENDIX 13.1

**BREAKDOWN OF ESTIMATED CONSTRUCTION COST
FOR PHASE-I AND PHASE-II**

**BREAKDOWN OF ESTIMATED CONSTRUCTION COST
FOR PHASE-I AND PHASE-II**

Unit : Peso

Reg- ion No.	Bridge		Classification	Contruction Cost	Foreign	Component		Taxes
	No.	Bridge Name				Local		
1 4	48	FLARIDEL	Repair	27430243.02	18448071.69	6239147.03	2743024.30	
1 5	54	TAGAMUSING	Reconstruction	11406055.06	7593823.01	2671626.54	1140605.51	
1 6	58	BUEO	Reconstruction	89967667.15	61799860.70	19171039.74	8996766.71	
1 7	65	LONDOY	Replacement of Superstructure	727816.95	423830.77	231204.48	72781.70	
1 8	77	BAUANG I	Reconstruction	54344695.10	37334857.77	11575367.81	5434469.51	
1 9	77-1	BAUANG II	Reconstruction	33512812.91	22469123.20	7692408.42	3351281.29	
2 17	71	INDIANA	Reconstruction for Extension span	19714998.19	13224013.60	4519484.77	1971499.82	
2 18	73	BATU	Repair	23567370.57	15646269.90	5564363.61	2356737.06	
3 1	3	MARILAO	Replacement of Superstructure	889215.27	524765.92	275527.83	88921.53	
3 2	14	LABANGAN I	Reconstruction	55712209.06	40391523.86	9749464.29	5571220.91	
3 3	22	SULIPAN	Reconstruction	92133556.67	68408313.11	14511887.89	9213355.67	
3 14	3	FLARIDEL-PULILAN	Repair	21170126.42	15220493.81	3832619.98	2117012.64	
3 15	14	SAN ROQUE	Repair	545320.11	316563.45	174224.64	54532.01	
3 16	43	SICSIGAN	Repair	2994489.65	1853907.57	841133.11	299448.96	
4 40	173	GUMACA	Replacement of Superstructure	1916937.84	1205135.04	520109.01	191693.78	
4 41	181	TALABA	Replacement of Superstructure	1984034.93	1049107.62	736523.81	198403.49	
4 42	188	BINAHAAN	Replacement of Superstructure	3044253.58	1795745.47	944082.75	304425.36	
4 43	190	PALSADANGON	Replacement of Superstructure	3213256.29	1526736.97	1365193.69	321325.63	
4 44	206	LAGNAS II	Repair	147430.08	89773.73	42913.34	14743.01	
4 45	208	SIO CRISTO	Replacement of Superstructure	2201455.65	1145159.40	836150.68	220145.56	
4 46	220	MAGAPONG	Replacement of Superstructure	2253899.17	1465773.61	562735.61	225389.92	
4 47	223	HIGA	Repair	723830.03	439570.93	211876.10	72383.00	
4 48	227	SAN CRISTOBAL	Repair	4477706.85	3171463.12	858473.04	447770.68	
5 27	19	SUJE(RIZAL)	Replacement of Superstructure	2352451.07	1470754.46	646451.50	235245.11	
5 28	43	GUINOHATAN	Repair	660203.22	381351.34	212831.56	66020.32	
5 29	75	SAN FERNANDO	Repair	1264748.64	704835.13	433438.64	126474.86	
5 30	76	PANUKID	Repair	823762.07	422533.43	318852.43	82376.21	
5 31	77	SAN ISIDRO	Repair	1259921.24	710636.26	423292.85	125992.12	
5 32	78	SAN GABRIEL	Replacement of Superstructure	1243849.22	637929.86	481534.43	124384.92	
5 33	79	PAHOHO	Repair	202781.25	111091.95	71411.18	20278.12	
5 34	80	TINIGUIBAN	Replacement of Superstructure	1254652.00	673329.97	455856.83	125465.20	
5 35	82	SGT. MATIAS	Repair	148878.26	89475.03	44515.41	14887.83	
5 36	86	NAUBOD I	Repair	713091.87	334385.71	307396.97	71309.19	
5 37	99	SOOK	Repair	667039.54	424708.85	175626.73	66703.95	
5 38	143	KANAPAWAN	Repair	1163060.09	642734.15	403965.93	116300.01	
5 39	154	BASIAD	Repair	2048324.85	1356943.98	486548.38	204832.48	
		Sub-total		467882083.87	323504594.40	97589281.01	46788208.37	
				(100.0 %)	(69.1 %)	(20.8 %)	(10.0 %)	
1 10	104	STA CRUZ I	Reconstruction for Extension span	14009919.61	9824619.78	2784307.87	1400991.96	
1 11	113	LANGLANGKA I	Replacement of Superstructure	1949666.36	1145944.64	608755.09	194966.64	
1 12	120	STA MARIA	Reconstruction for Extension span	25175444.47	17268342.34	5399557.68	2517544.45	
1 13	148	TIPCAL	Replacement of Superstructure	2634141.57	1701682.54	669044.87	263414.16	
2 19	86	NAMANPARAN I	Replacement of Superstructure	3668474.49	1890752.26	1410874.78	366847.45	
2 20	89	SAN LUIS	Repair	230225.60	124385.27	82817.77	23022.56	
2 21	109	NAGUILAN	Repair	22321970.69	14660026.94	5429746.68	2232197.07	
2 22	113	HALALAH	Repair	6767872.09	3927329.45	2163755.43	676787.21	
2 23	126	BALASIG	Repair	3000923.02	1738254.83	962575.90	300092.30	
2 24	129	SAN PABLO	Repair	10960469.17	7346386.69	2518035.56	1096046.92	
2 25	139	PINACANAUAN	Repair	11015591.78	6944414.88	2969617.72	1101559.18	
2 26	154	PARED	Reconstruction	16592853.29	11025191.21	3908376.75	1659285.33	
8 49	109	JTADONG	Reconstruction	14485412.54	9841303.57	3195567.72	1448541.25	
8 50	120	HINOGBONGAN	Repair	1541911.03	997161.34	390558.58	154191.10	
8 51	160	JUBASAN II	Replacement of Superstructure	7249198.46	4728667.80	1795610.81	724919.85	
8 52	161	JUBASAN I	Reconstruction	14558244.89	9746043.60	3356376.80	1455824.49	
		Sub-total		156162319.06	102900507.14	37645580.01	15616231.92	
				(100.0 %)	(65.8 %)	(24.1 %)	(10.0 %)	
		Grand Total		624044402.93	426405101.54	135234861.02	62404440.29	
				(100.0 %)	(68.3 %)	(21.6 %)	(10.0 %)	

APPENDIX 15.2

**RELATIONS BETWEEN BRIDGE DATA ENTRY NUMBER
AND BRIDGE STATION**

DATA ENTRY FORMAT (1/3)

INVENTORY SHEET NO.2

Data No.	No.in Sheet	Item			Data No.	No.in Sheet	Item			
		Name	Type	Width			Name	Type	Width	
1	-	Serial No.	N	3	26	(21)	Slab Type	C		
2	(1)	Bridge No. 1	N	3	27		Slab Span	N		
3		Bridge No. 2	N	1	28	(22)	Pavement	C	10	
4	(2)	Bridge Name	C	15	29	(23)	Railing	N	1	
5		Location 1	N	4	30		Expansion Joint	Steel	N	1
6	(3)	Location 2	N	4	31	(24)		Rubber	N	1
7		Place	C	10	32			Dummy	N	1
8	(4)	Name of River	C	10	33	(25)	Substructure abutment pier		N	1
9	(5)	Built Year	N	2	34				N	1
10	(6)	Design Load			35	(26)	Foundation	C		
11	(7)	Bridge Length	N	5.1	36	(27)	Waterway width	C		
12	(8)	Span	N	5.2	37	(28)	Flood Velocity	C		
13	(9)	Bridge Width	N	5.2	38	(29)	Orientation of waterway	N	1	
14	(10)	Carriageway width	N	5.2	39	(30)	Traffic Volume	N		
15	(11)	Crossing Condition	N	1	40	-	Recorded F.W.L.			
16	(12)	Clearance	N	5.1	41	-	Design Discharge			
17	(13)	Plan of Bridge	N	1	42	-	Max Flood Peak			
18	(14)	Environment	C	10	43	-	Detouring			
19	(15)	Type of Bridge	C	10	44	-	Repair Records	1	N	2
20	(16)	Type of Support	C	10	45	-		2	N	2
21	(17)	Type of Beam	C	10	46	-		3	N	2
22		Beam Nos.	N	2	47	-		4	N	2
23	(18)	Beam Pitch	N	5.2	48	-		5	N	2
24	(19)	Cross Beam Nos.	N	2	49	-	Region	N	1	
25	(20)	Stringer Nos.	N	2						

Note :

N : Numeric

C : Character

DATA ENTRY FORMAT (2/3)

Data No.	No. in Sheet	Item			
		Name	Type	Width	
65	(13)	Approach	Condition	C	10
66		Road	Rating	C	1
67	(14)	River Condition	Scouring	N	1
68			Sedimentation	N	1
69			Others	N	1
70			Rating	C	1
71		Rating of Evaluation	C		1

(3) Maintenance Record

Data No.	Item		
	Name	Type	Width
1 =	Serial No. of Bridge	N	3
2	Date of Maintenance	D	4
3	Type of Maintenance	N	1
4	Memo	M	40

Note : D : Date
M : Memo

DATA ENTRY FORMAT (3/3)

INVENTORY SHEET NO.3

Data No.	No. in Sheet	Item			Data No.	No. in Sheet	Item				
		Name	Type	Width			Name	Type	Width		
1	-	Serial No.	N	3	33	(6)	Steel Beam	Deformation	N	1	
2	-	Bridge No.1	N	3	34			Condition	C	10	
3	-	Bridge No.2	N	1	35			Rating	C		
4	-	Inventory Dat	D	4	36	(7)	Painting Condition.	Discoloration	N	1	
5	(1)	Pave-ment	Waving	N	1			Rust	N	1	
6			Abrasion	N	1			38	Exfoliation	N	1
7			Cracking	N	1			39	Condition	C	10
8			Pot-hole	N	1			40	Rating	C	1
9			Condition	C	10			41	(8)	Shoe	Shoe
10	Rating	C	1	42	Shoe Base			N			1
11	(2)	Curve & Con- Railing	Condition	C	10	43	Condition	C			10
12			Rating	C	1	44	Rating	C	1		
13	(3)	Expan- sion Joint	Noise	N	1	45	(9)	Abut- ment	Settlement	N	1
14			Leakage	N	1	46			Movement	N	1
15			Deference	N	1	47			Declining	N	1
16			Condition	C	10	48			Scouring	N	1
17			Rating	C	1	49			Condition	C	10
18	(4)	Deck Slab	Cracking	N	1	50	(10)	Pier	Rating	C	1
19			Exposure	N	1	51			Settlement	N	1
20			Spalling	N	1	52			Movement	N	1
21			Deform- ation	N	1	53			Declining	N	1
22			Condition	C	10	54			Scouring	N	1
23			Rating	C	1	55			Condition	C	10
24	(5)	Con- crete Beam	Cracking	N	1	56	(11)	Slope Pro- tection	Rating	C	1
25			Exposure	H	1	57			Settlement	N	1
26			Spalling	N	1	58			Movement	N	1
27			Deformation	N	1	59			Declining	N	1
28			Condition	C	10	60			Scouring	N	1
29			Rating	C	1	61			Condition	C	10
30	(6)	Steel Beam	Cracking	N	1	62	(12)	Drai- nage	Rating	C	1
31			Corrosion	N	1	63			Condition	C	10
32			Painting	N	1	64			Rating	C	1

INVENTORY SHEET NO.2

INVENTORY SHEET NO.2		Bridge No.	
(1) Road Name/Sec.		(2) Name of Bridge	
(3) Location	km from	(4) Name of River	
(5) Year Built	19	(6) Design Load	
(7) Bridge Length		(8) Span	
(9) Bridge Width		(10) Carriageway Width	
(11) Crossing Condition	Crossing River, Railway Roadway, valley, Others	(12) Clearance	
(13) Plan of Bridge	Straight, Curve, Skew		
(14) Environment	Detour Length, Scio-Economic		
(15) Type of Bridge	Steel, R.C, P.C (Post, Pre), Other ()		
(16) Type of Support	Simple, Continuous (spans), Rigid-Frame, Other()		
(17) Type of Beam	I-beam, T-beam, Box-beam, Slab, Other()		
(18) Beam	Nos.	(19) Cross Beam	Nos.
	Pitch	(20) Stringer	Nos.
(21) Slab	Type	(22) Pavement	Ashalt. Concrete
	Span	(23) Railing	Concrete, Steel, Aluminium
(24) Expansion Joint	Steel(), Rubber(), Dummy Joint()		
(25) Substructure	Abutment	Cant, Pile-bent, Open	
	Pier	Wall, Colum, Pile-bent	
(26) Foundation	Spread, Pile(), Others		
(27) Waterway Width		(28) Flood Velocity	
(29) Orientation of Water-way and Bridge	Coincident, Incoincident()		
(30) Traffic Volume			
Note :			

SUPPLEMENTARY DATA OF INVENTORT SHEET NO.2

SUPPLEMENTARY DATA OF INVENTORT SHEET NO.2	
Traffic Volume	
Recorded F.W.L	
Design Discharge	
Max. Flood Peak	
Detouring	
Repair Records	1
	2
	3
	4
	5
Region	
Note:	

INVENTORY SHEET NO.3

INVENTORY SHEET NO.3		Bridge No.	
Bridge Number		Inventory Date	
Item of Inventory	Defective Condition		Rating
(1) Pavement	Waving, Abrasion, Cracking, Pot-Hole		
	Condition		
(2) Curve & Railing			
(3) Exansion Joint	Noise, Leakage, Deference in level,		
	Condition		
(4) Deck Slab	Cracking, Exposure of R-bar, Spalling, Pot-Hole		
	Condition		
(5) Concrete Beam	Cracking, Exposure of R-bar, Spalling, Deformation		
	Condition		
(6) Steel Beam (Bracing, etc.)	Cracking, Corrosion, Painting, Deformation		
	Condition		
(7) Painting Cond.	Discoloration, Rust, Exfoliation		
	Condition		
(8) Shoe	Defection of Shoe, Defection of shoe Base		
	Condition		
(9) Abutment	Settlement, Movement, Declining, Scouring,		
	Condition		
(10) Pier	Settlement, Movement, Declining, Scouring,		
	Condition		
(11) Slope Protection	Settlement, Movement, Declining, Scouring,		
	Condition		
(12) Drainage			
(13) Approach Road			
(14) River Condititon	Scouring, Sedimentation, Others		
Rating of Evaluation	Note(Major Causes or Recommendation)		Rating of Repair
			A:Urgent replacement repair B:Need repair C:Maintenance only

APPENDIX 15.2

**RELATIONS BETWEEN RIDGE DATA ENTRY NUMBER
AND BRIDGE STATION**

Section : 1 Manila North Road, Manila - Laoag

Region : 1 Pangasinan - Ilocos Norte

Region : 3 Bulacan - Tarlac

Section : 2 Pan-Philippine Highway

Manila - Allacapan

Region : 2 Nueva Vizcaya - Cagayan

Region : 3 Bulacan - Nueva Vizcaya

Section : 3 Pan-Philippine Highway

Manila - Matnog

Region : 4 Lucena - Manila

Region : 5 Solsogon - Camrious Norte

Section : 4 Pan-Philippine Highway

Liloan - Allen

Region : 8 Liloan - Allen

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (1/17)

No.	Bridg		Station	Bridg Type	Width (m)	Carrigeway		
	No.	Bridge Name				Left	+Centr	+Right
50	96-0	BECQUES	324.455	1	8.25	0.40+	7.45+	0.40
51	97-0	SIVILLA	325.000	1	8.15	0.40+	7.35+	0.40
52	98-0	CASILANGAN	325.943	2	8.20	0.40+	7.40+	0.40
53	99-0	CADARIAAN	326.858	1	9.30	0.00+	9.30+	0.00
54	100-0	DILI	328.637	1	7.60	0.40+	6.80+	0.40
55	101-0	BAYUGAO	330.000	1	8.92	0.76+	7.40+	0.76
56	102-0	CANAYON	333.380	6	8.32	0.46+	7.40+	0.46
57	103-0	SAWAT	334.500	1	8.95	0.40+	8.15+	0.40
58	104-0	STA CRUZ I	334.932	1	8.15	0.40+	7.35+	0.40
59	105-0	SAN JUAN	336.625	1	8.42	0.46+	7.50+	0.46
60	106-0	STA CRUZ II	337.079	2	7.30	0.40+	6.50+	0.40
61	107-0	STA LUCIA	337.631	1	8.50	0.40+	7.70+	0.40
62	108-0	CAVITE I	338.903	1	8.27	0.46+	7.35+	0.46
63	109-0	CAVITE II	338.974	1	8.30	0.40+	7.50+	0.40
64	110-0	NAGBAUDAN	345.060	4	8.70	0.45+	7.80+	0.45
65	111-0	ALAMBIQUE	345.811	6	9.55	0.53+	8.50+	0.53
66	112-0	TABLAC	349.223	1	8.12	0.46+	7.20+	0.46
67	113-0	LANGLANGKA I	350.270	1	8.50	0.40+	7.70+	0.40
68	114-0	LANGLANGKA II	351.121	1	6.30	0.00+	6.30+	0.00
69	115-0	BUCCONG I	351.271	8	6.15	0.00+	6.15+	0.00
70	116-0	BUCCONG II	352.213	1	7.80	0.00+	7.80+	0.00
71	117-0	SANTIAGO I	358.246	1	8.32	0.46+	7.40+	0.46
72	118-0	SAN ESTEBAN	363.115	1	8.22	0.76+	6.70+	0.76
73	119-0	SUSO	366.470	1	8.32	0.46+	7.40+	0.46
74	120-0	STA MARIA	371.700	8	7.87	0.76+	6.35+	0.76
75	121-0	SAN ANTONIO	373.800	1	8.32	0.46+	7.40+	0.46
76	122-0	SAN ANTONIO II	375.000	1	8.92	0.76+	7.40+	0.76
77	123-0	TULAY	375.990	1	7.60	0.70+	6.20+	0.70
78	124-0	QUINARAYAN	378.166	6	7.32	0.76+	6.80+	0.76
79	125-0	BANTAYABUT I	378.606	1	8.30	0.40+	7.50+	0.40
80	126-0	BANTAYABUT II	378.732	1	8.32	0.46+	7.40+	0.46
81	127-0	QUIRINO	395.830	8	6.15	0.00+	6.15+	0.00
82	128-0	BANTAY	397.705	2	9.00	0.00+	9.00+	0.00
83	129-0	BULAG	399.490	1	8.20	0.00+	8.20+	0.00
84	129-1	BULAG II	400.910	2	7.15	0.15+	6.85+	0.15
85	130-0	SINABAAN I	403.156	1	8.20	0.40+	7.40+	0.40
86	132-0	BARECBEC	409.717	2	8.87	0.46+	7.95+	0.46
87	133-0	GONGOGONG	410.067	1	8.32	0.46+	7.40+	0.46
88	134-0	BANTAOAY	411.000	6	8.22	0.76+	6.70+	0.76
89	135-0	BUSSAWIT I	417.175	6	8.32	0.46+	7.40+	0.46
90	136-0	BUSSAWIT II	420.000	1	8.27	0.46+	7.35+	0.46
91	137-0	PARSUA	421.865	1	8.20	0.40+	7.40+	0.40
92	138-0	BICAL	424.235	6	8.92	0.76+	7.40+	0.76
93	139-0	SAN JUAN	426.185	1	8.85	0.70+	7.45+	0.70
94	140-0	OSMENA	432.968	1	8.27	0.46+	7.35+	0.46
95	141-0	BIMMECLAT	436.034	6	8.27	0.46+	7.35+	0.46
96	142-0	SAPILANG	438.164	6	7.82	0.46+	6.90+	0.46
97	142-1	BISLAK	440.000	1	10.30	0.00+	10.30+	0.00
98	143-0	SINAIT	441.392	6	8.27	0.46+	7.35+	0.46
99	144-0	PALISEN	444.000	1	8.22	0.46+	7.30+	0.46
100	145-0	BANAS	447.884	1	6.15	0.00+	6.15+	0.00
101	146-0	BADOC	449.679	3	6.15	0.00+	6.15+	0.00

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (2/17)

Brig No.	Brig No.	Bridge Name	Station	Brig Type	Width (m)	Carrigeway		
						Left	+Centr	+Right
102	147-0	APATOT	450.410	1	6.15	0.00+	6.15+	0.00
103	148-0	TIPCAL	457.760	1	7.07	0.46+	6.15+	0.46
104	149-0	TABOG I	462.990	2	8.27	0.46+	7.35+	0.46
105	151-0	QUIAOIT	469.725	4	6.05	0.15+	5.75+	0.15
106	152-0	CARASGAS	471.559	6	7.60	0.70+	6.20+	0.70
107	153-0	NABIBINGCAAN	474.669	4	8.12	0.46+	7.20+	0.46
108	154-0	SAN LORENZO	479.690	1	8.57	0.46+	7.65+	0.46
109	155-0	LAOAG	486.962	6	17.70	1.05+	7.30+	1.00
* Region : 3								
233	1-0	MALINTA	13.990	1	14.67	1.19+	12.30+	1.19
234	2-0	MEYCAUAYAN	18.400	1	9.70	0.70+	8.30+	0.70
235	3-0	MARILAO	22.000	1	10.02	0.76+	8.50+	0.76
236	4-0	BUNLO	26.000	1	10.02	0.76+	8.50+	0.76
237	5-0	BOCAUE	27.130	1	10.02	0.76+	8.50+	0.76
238	6-0	BALAGTAS	30.090	1	10.02	0.76+	8.50+	0.76
239	7-0	UGONG	31.710	1	8.70	0.00+	8.70+	0.00
240	8-0	GUIGUINTO	31.810	1	10.02	0.76+	8.50+	0.76
241	9-0	TABANG OVERHEAD	35.740	1	10.02	0.76+	8.50+	0.76
242	10-0	NORTH EXPRESSWAY	36.003	3	10.12	0.76+	8.60+	0.76
243	11-0	TIKAY	36.600	1	9.50	0.00+	9.50+	0.00
244	12-0	DAKILA	39.110	2	9.10	0.00+	9.10+	0.00
245	13-0	CATMON	40.930	2	9.10	0.00+	9.10+	0.00
246	14-0	LABANGAN I	48.340	6	9.42	0.46+	8.50+	0.46
247	15-0	LABANGAN II	48.757	1	8.55	0.00+	8.55+	0.00
248	16-0	LABANGAN III	48.830	1	9.46	0.46+	8.54+	0.46
249	17-0	LABANGAN IV	48.967	1	9.46	0.46+	8.54+	0.46
250	18-0	LABANGAN V	49.000	1	9.46	0.46+	8.54+	0.46
251	19-0	LABANGAN VI	49.120	1	9.46	0.46+	8.54+	0.46
252	20-0	LABANGAN VII	49.410	1	9.46	0.46+	8.54+	0.46
253	21-0	CALUMPIT	50.456	8	13.40	2.40+	8.60+	2.40
254	22-0	SULIPAN	53.244	8	13.30	3.55+	9.75+	0.00
255	23-0	SAMPALOC	55.822	4	11.12	0.76+	9.60+	0.76
256	24-0	TULAUC	58.808	2	9.44	0.42+	8.60+	0.42
257	25-0	STO DOMINGO	60.774	4	9.65	0.46+	8.73+	0.46
258	26-0	MATULID	61.828	2	9.52	0.46+	8.60+	0.46
259	26-1	TIAONG	62.000	4	9.67	0.46+	8.75+	0.46
260	27-0	FEDEROSA	63.208	1	9.55	0.46+	8.63+	0.46
261	28-0	TINAJERO	66.805	1	8.92	0.76+	7.40+	0.76
262	29-0	DEL PILAR	67.495	10	8.87	0.76+	7.35+	0.76
263	30-0	SAN ISIDRO	72.670	10	12.90	0.00+	12.90+	0.00
264	31-0	PULONG BULO	83.060	1	8.92	0.76+	7.40+	0.76
265	32-0	ABACAN	85.761	1	10.02	0.76+	8.50+	0.76
266	33-0	BALIBAGO	86.269	2	15.10	2.00+	11.10+	2.00
267	34-0	DAU	87.870	6	10.90	1.90+	7.10+	1.90
268	35-0	MABIGA	90.795	2	10.10	1.00+	8.10+	1.00
269	36-0	QUITANGIL	92.594	2	9.60	0.80+	8.00+	0.80
270	37-0	SAN FELIPE	93.603	2	10.40	1.20+	8.00+	1.20
271	38-0	BAMBAN I	97.989	6	9.52	0.76+	8.00+	0.76
272	39-0	BAMBAN OVERHEAD	98.831	6	13.20	0.50+	12.20+	0.50
273	40-0	ANOPUL	104.000	2	9.52	0.76+	8.00+	0.76
274	41-0	CUT-CUT	106.674	8	9.52	0.76+	8.00+	0.76

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (3/17)

No.	Bridg		Station	Bridg Type	Width (m)	Carrigeway		
	No.	Bridge Name				Left	+Centr	+Right
** Section : 1								
* Region : 1								
1	48-0	PLARIDEL	172.000	8	8.92	0.76+	7.40+	0.76
2	49-0	SAN NICOLAS	174.840	1	9.75	1.25+	7.25+	1.25
3	50-0	BACAG	175.300	1	8.77	0.76+	7.25+	0.76
4	51-0	MACALONG	182.400	6	10.90	1.45+	8.00+	1.45
5	52-0	MITURA	183.830	1	8.17	0.46+	7.25+	0.46
6	53-0	TABUSOK	186.160	1	6.10	0.00+	6.10+	0.00
7	54-0	TAGAMUSING	186.730	1	6.20	0.97+	6.20+	0.97
8	55-0	ALORAGAT	195.710	1	9.34	0.76+	7.40+	0.76
9	56-0	BOBONAN	203.700	1	8.87	0.76+	7.35+	0.76
10	57-0	CAURINGAN	210.363	1	8.82	0.00+	7.30+	0.00
11	58-0	BUED	211.453	6	8.48	1.17+	6.14+	1.17
12	59-0	SAITAN	214.256	1	8.30	0.40+	7.50+	0.40
13	60-0	NILANGOYAN	219.400	6	8.75	0.70+	7.35+	0.70
14	61-0	AMLANG	223.150	1	8.32	0.46+	7.40+	0.46
15	62-0	TUBOD	227.100	1	8.87	0.76+	7.35+	0.76
16	63-0	CUPANG	228.800	6	8.32	0.46+	7.40+	0.46
17	64-0	PATAC	230.700	1	8.87	0.76+	7.35+	0.76
18	65-0	LOMBOY	232.250	1	8.97	0.76+	7.45+	0.76
19	66-0	PRINCIPE	237.058	1	8.85	0.70+	7.45+	0.70
20	67-0	TOBORA	240.040	1	8.92	0.76+	7.40+	0.76
21	68-0	BAYATING	242.320	1	8.80	0.70+	7.40+	0.70
22	69-0	STA RITA	243.300	1	8.97	0.00+	8.97+	0.00
23	70-0	ARINGAY	244.010	1	8.60	0.00+	8.60+	0.00
24	71-0	CABA	248.600	1	9.32	0.00+	9.32+	0.00
25	72-0	BAGBAG	253.120	1	8.92	0.00+	8.92+	0.00
26	73-0	PAYOCPOC	255.019	1	8.22	0.00+	8.22+	0.00
27	74-0	MANING I	256.700	1	8.92	0.00+	8.92+	0.00
28	75-0	MANING II	256.920	1	8.27	0.00+	8.27+	0.00
29	77-0	BAUANG I	258.750	5	6.10	0.00+	6.10+	0.00
30	77-1	BAUANG II	259.200	5	6.15	0.00+	6.15+	0.00
31	78-0	MAGSABANG	263.100	1	8.45	0.00+	8.45+	0.00
32	79-0	LOSSOC I	263.600	1	8.92	0.00+	8.92+	0.00
33	80-0	LOSSOC II	263.910	1	8.92	0.76+	7.40+	0.76
34	81-0	PAGDALAGAN	270.915	1	8.92	0.76+	7.40+	0.76
35	82-0	CARLATAN	270.947	1	8.87	0.00+	0.00+	0.00
36	83-0	TABOC	280.033	1	8.82	0.76+	7.30+	0.76
37	84-0	BORORO	281.990	1	8.92	0.76+	7.40+	0.76
38	85-0	STA RITA I	287.099	2	8.10	0.00+	8.10+	0.00
39	86-0	STA RITA II	287.700	2	8.90	0.40+	8.10+	0.40
40	87-0	MAILAGAYAP	288.080	6	8.15	0.40+	7.35+	0.40
41	88-0	BAQUI-ING	291.000	1	8.32	0.46+	7.40+	0.46
42	89-0	PANTAR	301.560	1	8.20	0.40+	7.40+	0.40
43	90-0	BAROBOR	304.510	1	8.87	0.76+	7.35+	0.76
44	91-0	AMBURAYAN	313.076	8	5.56	0.00+	5.56+	0.00
45	91-1	TAGUDIN	317.970	4	6.80	0.00+	6.80+	0.00
46	92-0	TALIAVEN	318.139	1	8.10	0.40+	7.30+	0.40
47	93-0	LIBTONG	320.517	1	8.22	0.46+	7.30+	0.46
48	94-0	BORONO	321.778	1	8.15	0.40+	7.35+	0.40
49	95-0	TAMPUCO	321.985	2	6.70	0.00+	6.70+	0.00

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (4/17)

Bridg No.	No.	Bridge Name	Station	Bridg Type	Width (m)	Carrigeway		
						Left	+Centr	+Right
** Section : 2								
* Region : 2								
110	62-0	SANTA FE	215.850	6	8.97	0.76+	7.45+	0.76
111	63-0	CONSUELO	217.641	6	8.37	0.46+	7.45+	0.46
112	64-0	BALILING	220.013	1	7.75	0.50+	6.75+	0.50
113	65-0	MAGASAWANG KAH0	221.200	1	7.75	0.50+	6.75+	0.50
114	66-0	CALITLITAN	225.232	6	8.32	0.46+	7.40+	0.46
115	67-0	NAGCUARTELAN	233.503	1	8.25	0.40+	7.45+	0.40
116	68-0	KIRANG	235.130	1	8.40	0.50+	7.40+	0.50
117	69-0	DARAPIDAP	237.871	1	7.67	0.46+	6.75+	0.46
118	70-0	GABUT	239.500	1	7.70	0.45+	6.80+	0.45
119	71-0	INDIANA	246.480	5	6.20	0.00+	6.20+	0.00
120	72-0	ABIAN	254.633	6	8.97	0.76+	7.45+	0.76
121	73-0	BATU	256.000	8	6.85	0.35+	6.15+	0.35
122	74-0	KALUNGKONG	260.112	1	8.37	0.46+	7.45+	0.46
123	75-0	BUSILAC I	261.400	1	7.60	0.45+	6.70+	0.45
124	76-0	BUSILAC II	261.742	1	8.42	0.46+	7.50+	0.46
125	77-0	CULOCOL	266.634	6	10.07	0.76+	8.55+	0.76
126	78-0	BONFAL I	267.361	1	10.07	0.76+	8.55+	0.76
127	79-0	BARETBET	283.600	1	7.70	0.45+	6.80+	0.45
128	80-0	BONFAL II	284.080	3	8.10	0.45+	7.20+	0.45
129	81-0	KINAKAO	286.326	1	7.77	0.46+	6.85+	0.46
130	82-0	TAPAYA	288.651	6	8.32	0.46+	7.40+	0.46
131	83-0	ROSARIO I	293.463	1	8.15	0.40+	7.35+	0.40
132	84-0	ROSARIO II	294.203	6	8.37	0.46+	7.45+	0.46
133	85-0	ORIWONG	296.460	1	7.72	0.46+	6.80+	0.46
134	86-0	NAMANPARAN I	301.100	1	8.40	0.80+	6.80+	0.80
135	86-1	NAMANPARAN II	303.850	2	8.30	0.20+	7.90+	0.20
136	87-0	BUGNAY II	304.060	1	7.72	0.46+	6.80+	0.46
137	88-0	BUAYA	306.757	1	8.37	0.46+	7.45+	0.46
138	89-0	SAN LUIS	308.448	1	8.25	0.75+	6.75+	0.75
139	90-0	ILUT	311.626	1	7.87	0.56+	6.75+	0.56
140	91-0	MARO	322.000	2	11.70	2.50+	6.70+	2.50
141	92-0	MALAPAT	322.030	2	7.70	0.50+	6.70+	0.50
142	93-0	DUBINAN	324.179	1	8.60	0.00+	8.60+	0.00
143	94-0	CALAO	327.070	4	8.85	0.75+	7.35+	0.75
144	95-0	MAGABITO	328.726	1	8.20	0.45+	7.30+	0.45
145	96-0	IPIL	335.874	8	8.92	0.76+	7.40+	0.76
146	97-0	BUYON	343.080	4	7.10	0.45+	6.20+	0.45
147	98-0	GANANO	347.636	8	8.94	0.77+	7.40+	0.77
148	99-0	PAYAK	351.722	2	7.40	0.35+	6.70+	0.35
149	100-0	PADDAD	352.500	1	8.25	0.75+	6.75+	0.75
150	101-0	HONRADE	354.808	2	7.97	0.46+	7.05+	0.46
151	102-0	BURGOS	355.134	1	8.07	0.46+	7.15+	0.46
152	103-0	DEL PILAR	358.757	1	8.62	0.46+	7.70+	0.46
153	104-0	NUNGNUNGAN	362.006	1	8.20	0.45+	7.30+	0.45
154	105-0	MINANTE	364.876	6	6.20	0.00+	6.20+	0.00
155	106-0	MARABULIG	365.740	1	7.75	0.50+	6.75+	0.50
156	107-0	TAGANAN	370.531	1	7.72	0.46+	6.80+	0.46
157	108-0	PUZER	375.281	1	8.32	0.76+	6.80+	0.76
158	109-0	NAGUILAN	380.371	8	7.65	0.75+	6.15+	0.75

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (5/17)

No.	Bridg.		Station	Bridg Width		Carrigeway		
	No.	Bridge Name		Type	(m)	Left	+Centr	+Right
275	42-0	ESTRADA	110.398	2	9.10	0.45+	8.20+	0.45
276	43-0	SAN MIGUEL	118.639	1	10.50	0.00+	10.50+	0.00
277	44-0	UNGOT	120.358	2	8.20	0.00+	8.20+	0.00
278	45-0	SALAPUNGAN	136.740	1	8.40	0.00+	8.40+	0.00
279	46-0	SAN ISIDRO	150.540	1	9.00	0.80+	7.40+	0.80
280	47-0	LEGASPI	163.870	6	8.92	0.76+	7.40+	0.76

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (6/17)

Bridg No.	No.	Bridge Name	Station	Bridg Type	Width (m)	Carrigeway		
						Left	+Centr	+Right
159	110-0	ANIPA	383.700	1	7.75	0.50+	6.75+	0.50
160	111-0	LIPI	397.218	1	7.60	0.40+	6.80+	0.40
161	112-0	BALIGATAN	401.576	6	8.32	0.76+	6.80+	0.76
162	113-0	MALALAM	402.765	8	7.55	0.70+	6.15+	0.70
163	114-0	MARANA I	405.142	3	8.32	0.46+	7.40+	0.46
164	115-0	MARANA II	405.977	2	7.30	0.20+	6.90+	0.20
165	116-0	PALALI	407.840	4	6.50	0.00+	6.50+	0.00
166	117-0	PAZA	409.834	1	8.52	0.46+	7.60+	0.46
167	118-0	RUGAO	413.320	8	7.65	0.75+	6.15+	0.75
168	119-0	CURILAO	414.028	6	8.27	0.46+	7.35+	0.46
169	120-0	ANGUAPAN	418.040	6	8.20	0.45+	7.30+	0.45
170	121-0	BALUG	423.366	6	8.26	0.48+	7.30+	0.48
171	122-0	MINANGA	424.310	6	9.02	0.76+	7.50+	0.76
172	123-0	ARCON	425.210	8	6.10	0.00+	6.10+	0.00
173	124-0	MALAMAG	431.840	2	8.20	0.00+	8.20+	0.00
174	125-0	MAGASSI	437.447	6	8.87	0.76+	7.35+	0.76
175	126-0	BALASIG	439.050	8	6.20	0.00+	6.20+	0.00
176	127-0	CANSAN I	439.660	2	7.30	0.20+	6.90+	0.20
177	128-0	CANSAN II	439.945	6	8.25	0.45+	7.35+	0.45
178	129-0	SAN PABLO	449.178	8	8.72	0.76+	7.20+	0.76
179	130-0	BALLACAYU	455.880	6	8.32	0.46+	7.40+	0.46
180	131-0	NALIPUTAN	457.566	1	8.32	0.76+	6.80+	0.76
181	132-0	MANGGA	458.240	1	8.25	0.75+	6.75+	0.75
182	133-0	CATENGTENGAN	459.900	6	7.10	0.00+	7.10+	0.00
183	134-0	DIVISORIA	460.900	6	8.35	0.50+	7.35+	0.50
184	135-0	URU	461.850	1	7.72	0.46+	6.80+	0.46
185	136-0	LABATO	462.890	6	8.85	0.75+	7.35+	0.75
186	137-0	BARUCBOC	465.121	6	8.80	0.70+	7.40+	0.70
187	138-0	LIBAG	465.900	1	7.72	0.46+	6.80+	0.46
188	139-0	PINACANAUAN	474.180	6	7.40	0.67+	6.06+	0.67
189	140-0	ALIMANAO	476.220	1	8.85	0.75+	7.35+	0.75
190	141-0	CARIG I	483.400	2	7.50	0.25+	7.00+	0.25
191	142-0	CARIG II	483.700	2	7.50	0.30+	6.90+	0.30
192	143-0	CARIG III	483.910	1	7.20	0.25+	6.70+	0.25
193	144-0	CARIG IV	486.380	1	8.42	0.46+	7.50+	0.46
194	145-0	CARIG V	487.700	1	8.25	0.45+	7.35+	0.45
195	146-0	BAYO	488.840	1	8.37	0.46+	7.45+	0.46
196	147-0	GANMAD	490.200	1	7.60	0.20+	7.20+	0.20
197	148-0	MALABBAC	493.670	5	8.85	0.75+	7.35+	0.75
198	149-0	IGUIG I	494.700	2	7.50	0.00+	7.50+	0.00
199	150-0	IGUIG II	496.600	1	8.32	0.46+	7.40+	0.46
200	151-0	BACULUD	499.460	4	8.25	0.45+	7.35+	0.45
201	152-0	BOBOGAN	504.300	6	8.00	0.40+	7.20+	0.40
202	153-0	BACULOD	507.800	6	8.92	0.76+	7.40+	0.76
203	154-0	PARED	513.230	8	8.15	1.00+	6.15+	1.00
204	155-0	BACULOD II	514.900	6	8.27	0.46+	7.35+	0.46
205	156-0	TUPANG	520.620	1	7.80	0.50+	6.80+	0.50
206	157-0	MARABURAB	524.900	6	8.25	0.40+	7.45+	0.40
207	158-0	PIGGATAN	525.800	8	8.85	0.75+	7.35+	0.75
208	159-0	LENGUA	527.400	6	8.52	0.46+	7.60+	0.46
209	160-0	BACULI	528.130	6	8.15	0.40+	7.35+	0.40
210	161-0	NALBO	528.540	6	8.15	0.40+	7.35+	0.40

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (7/17)

Brig No.	Bridge No.	Bridge Name	Station	Brig Type	Width (m)	Carrigeway		
						Left	+Centr	+Right
211	162-0	NANGAYANAN	530.000	6	8.20	0.40+	7.40+	0.40
212	163-0	NGASIPING	531.320	1	7.75	0.50+	6.75+	0.50
213	164-0	GUISING	540.000	1	7.65	0.45+	6.75+	0.45
214	165-0	DUMMUM	542.800	8	6.92	0.36+	6.20+	0.36
215	166-0	RAGANTATARAN	543.680	6	8.35	0.50+	7.35+	0.50
216	167-0	CARMONA	544.800	1	7.72	0.46+	6.80+	0.46
217	168-0	GATTARAN	545.278	1	8.92	0.76+	7.40+	0.76
218	169-0	AGUIGUICAN	549.170	1	7.60	0.45+	6.70+	0.45
219	170-0	PEPENGAO	551.200	1	8.27	0.46+	7.35+	0.46
220	171-0	URUNGAN	552.124	1	8.32	0.76+	6.80+	0.76
221	1-0	INTERCHANGE	716.200	2	8.40	0.00+	8.40+	0.00
222	2-0	MAGAPIT	718.000	10	8.87	0.76+	7.35+	0.76
223	3-0	SAN LORENZO	713.260	6	8.87	0.76+	7.35+	0.76
224	4-0	LALAPUGAN	712.000	6	8.87	0.76+	7.35+	0.76
225	5-0	CURIMAO	710.000	6	8.87	0.76+	7.35+	0.76
226	6-0	IRINGAN	705.246	6	8.92	0.76+	7.40+	0.76
227	7-0	MALUYO II	705.001	6	8.75	0.70+	7.35+	0.70
228	8-0	MALUYO	704.600	6	8.92	0.76+	7.40+	0.76
229	9-0	MALUYU	704.476	6	8.75	0.70+	7.35+	0.70
230	10-0	LABBEN	701.500	6	8.75	0.70+	7.35+	0.70
231	11-0	ALLACAPAN II	700.531	6	8.87	0.76+	7.35+	0.76
232	12-0	ALLACAPAN I	700.100	6	8.80	0.70+	7.40+	0.70
* Region : 3								
281	1-0	STA RITA	38.900	3	15.00	0.00+	15.00+	0.00
282	2-0	IRRIGATION	41.290	1	8.35	0.50+	7.35+	0.50
283	3-0	PLARIDEL-PULILAN	42.120	6	8.90	0.75+	7.40+	0.75
284	4-0	CUT-CUT I	43.020	6	8.75	0.70+	7.35+	0.70
285	5-0	CUT-CUT II	45.790	6	8.27	0.46+	7.35+	0.46
286	6-0	STO CRISTO	46.520	6	8.15	0.40+	7.35+	0.40
287	7-0	MUNCHA	48.095	6	8.27	0.46+	7.35+	0.46
288	8-0	TARCAN	48.932	6	8.15	0.40+	7.35+	0.40
289	9-0	TANGOS I	50.650	6	8.25	0.45+	7.35+	0.45
290	10-0	TANGOS II	50.762	1	8.42	0.46+	7.50+	0.46
291	11-0	SAN RAFAEL I	52.860	6	8.20	0.45+	7.30+	0.45
292	12-0	SAN RAFAEL II	53.043	6	8.20	0.40+	7.40+	0.40
293	12-0	CAPIHAN	60.900	1	8.87	0.76+	7.35+	0.76
294	14-0	SAN ROQUE	61.460	1	8.95	0.80+	7.35+	0.80
295	15-0	SAPANG PUTOL	68.220	1	9.40	0.00+	9.40+	0.00
296	16-0	ANYATAM I	68.700	1	8.92	0.76+	7.40+	0.76
297	17-0	ANYATAM II	69.300	1	8.90	0.70+	7.50+	0.70
298	18-0	MARUGAY-RUGAY I	70.970	6	8.97	0.76+	7.45+	0.76
299	19-0	MARUGAY-RUGAY II	71.000	6	8.80	0.70+	7.40+	0.70
300	20-0	SALANGAN	71.300	1	8.92	0.76+	7.40+	0.76
301	21-0	SAN MIGUEL	74.460	1	8.85	0.75+	7.35+	0.75
302	22-0	TIGPALAS	75.060	1	9.12	0.76+	7.60+	0.76
303	23-0	ORIENTE	75.200	1	8.92	0.76+	7.40+	0.76
304	24-0	C. DE LEON	75.900	1	8.90	0.80+	7.30+	0.80
305	25-0	ILOG BAKOD	79.400	1	8.90	0.75+	7.40+	0.75
306	26-0	SALAKOT	79.700	1	8.97	0.76+	7.45+	0.76
307	27-0	LABNOAN	81.260	2	8.90	0.75+	7.40+	0.75
308	28-0	BALUARTE I	84.956	1	8.40	0.50+	7.40+	0.50

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (8/17)

Bridg No.	No.	Bridge Name	Station	Bridg Type	Width (m)	Carrigeway		
						Left	+Centr	+Right
309	29-0	BALUARTE II	86.150	1	8.42	0.46+	7.50+	0.46
310	30-0	BALUARTE III	86.700	1	8.37	0.46+	7.45+	0.46
311	31-0	MALIMBA	87.500	2	8.97	0.76+	7.45+	0.76
312	32-0	DON JOSEFA	94.251	3	8.95	0.80+	7.35+	0.80
313	33-0	CASTELLANO	95.230	2	8.40	0.50+	7.40+	0.50
314	34-0	TAMBO	102.830	1	8.10	0.40+	7.30+	0.40
315	35-0	TABUATING	104.556	3	8.27	0.41+	7.45+	0.41
316	36-0	MAMALAKOL	105.736	4	8.25	0.45+	7.35+	0.45
317	37-0	MINATULA	108.966	3	8.27	0.46+	7.35+	0.46
318	38-0	SAPANG BUHAY	113.367	2	8.97	0.76+	7.45+	0.76
319	39-0	NABAO	116.784	10	7.35	0.33+	6.70+	0.33
320	40-0	BITAS	117.757	2	9.02	0.76+	7.50+	0.76
321	41-0	GEN. LUNA	120.998	3	8.85	0.75+	7.35+	0.75
322	42-0	CAALIBANGBANGAN	122.370	1	8.95	0.80+	7.35+	0.80
323	43-0	SICSICAN	132.916	8	9.70	1.15+	7.40+	1.15
324	44-0	LOMBOY	135.580	2	8.90	0.80+	7.30+	0.80
325	45-0	DIBABUYAN	137.035	1	6.80	0.00+	6.80+	0.00
326	46-0	MALASIN	161.436	1	8.32	0.46+	7.40+	0.46
327	47-0	KITA-KITA	162.780	1	9.00	0.75+	7.50+	0.75
328	48-0	MANICLA	165.400	1	8.95	0.80+	7.35+	0.80
329	49-0	TAYABO	166.423	1	8.97	0.76+	7.45+	0.76
330	50-0	LOMBOY	171.760	1	8.25	0.45+	7.35+	0.45
331	51-0	TUTUNIN	173.237	6	8.92	0.76+	7.40+	0.76
332	51-1	TUNTUNIN	174.290	1	8.62	0.60+	7.43+	0.60
333	52-0	ESE-ESE	177.100	2	8.25	0.50+	7.25+	0.50
334	53-0	PUNCAN II	177.300	6	8.97	0.76+	7.45+	0.76
335	54-0	TACTAC	179.300	2	8.40	0.50+	7.40+	0.50
336	55-0	BANCAY	181.350	2	8.40	0.60+	7.20+	0.60
337	56-0	DIGDIG	182.030	8	8.32	0.76+	6.80+	0.76
338	57-0	PUTLAN	195.390	1	8.15	0.00+	7.35+	0.80
339	58-0	AMAWINAN	198.950	2	7.90	0.00+	7.90+	0.00
340	59-0	MINULI I	199.120	6	8.75	0.70+	7.35+	0.70
341	60-0	MINULI II	201.800	2	8.92	0.76+	7.40+	0.76
342	61-0	CAPINTALAN	203.070	1	8.85	0.75+	7.35+	0.75

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (9/17)

Bridg No.	Bridg No.	Bridge Name	Station	Bridg Type	Width (m)	Carrigeway		
						Left	+Centr	+Right
** Section : 3								
* Region : 4								
343	155-0	MACAHADOC	255.398	1	8.30	0.40+	7.50+	0.40
344	156-0	DONA AURORA	254.137	2	9.95	0.75+	8.45+	0.75
345	156-1	CABULUAN	251.398	1	8.45	0.55+	7.35+	0.55
346	157-0	SIPAY-SIPAY	231.430	6	8.25	0.45+	7.35+	0.45
347	158-0	SUMOLOMG	230.603	6	8.15	0.40+	7.35+	0.40
348	159-0	PANDANAN	221.800	6	8.25	0.45+	7.35+	0.45
349	160-0	INILAKAAN	221.115	1	8.25	0.45+	7.35+	0.45
350	161-0	CANDA	219.372	1	8.35	0.45+	7.45+	0.45
351	162-0	TALOLONG	216.520	1	9.00	0.70+	7.60+	0.70
352	163-0	MAGUISIAN	214.745	6	8.15	0.40+	7.35+	0.40
353	164-0	PANSOL	212.124	1	8.15	0.40+	7.35+	0.40
354	165-0	SUGOD	210.530	1	8.85	0.75+	7.35+	0.75
355	166-0	SAN VICENTE	209.801	6	8.75	0.65+	7.45+	0.65
356	167-0	HAGAKGAKIN	206.121	1	8.35	0.45+	7.45+	0.45
357	168-0	OVERHEAD	205.020	1	6.20	0.00+	6.20+	0.00
358	169-0	GASGAS	204.264	6	9.00	0.75+	7.50+	0.75
359	170-0	CAMOHAGUIN	203.310	1	8.30	0.45+	7.40+	0.45
360	171-0	BAMBAN	201.190	1	8.40	0.55+	7.30+	0.55
361	172-0	VILLA PADUA	199.610	6	8.25	0.45+	7.35+	0.45
362	173-0	GUMACA	199.195	1	8.90	0.70+	7.50+	0.70
363	174-0	ROSARIO	194.768	1	9.00	0.75+	7.50+	0.75
364	175-0	VILLABOTA	191.640	1	8.30	0.45+	7.40+	0.45
365	176-0	VILLA ARCAYA	190.919	1	8.35	0.45+	7.45+	0.45
366	177-0	INACLAGAN	189.360	1	8.35	0.50+	7.35+	0.50
367	178-0	PLARIDEL	185.850	1	9.00	0.80+	7.40+	0.80
368	179-0	LUMUTAN	180.580	1	8.40	0.50+	7.40+	0.50
369	180-0	LAGALAG	179.100	1	8.45	0.50+	7.45+	0.50
370	181-0	TALABA	178.240	1	8.85	0.75+	7.35+	0.75
371	182-0	MALIGAYA	169.150	1	8.35	0.50+	7.35+	0.50
372	183-0	MALINAO	165.270	1	8.40	0.50+	7.40+	0.50
373	184-0	KABAYAN	163.800	1	8.45	0.50+	7.45+	0.50
374	185-0	AMAO II	160.157	10	7.32	0.31+	6.70+	0.31
375	186-0	AMAO I	152.260	1	7.30	0.30+	6.70+	0.30
376	187-0	MALICBOY	149.200	1	7.70	0.45+	6.80+	0.45
377	188-0	BINAHAAN	147.380	1	7.70	0.50+	6.70+	0.50
378	189-0	IRINGAN	145.140	1	8.05	0.65+	6.75+	0.65
379	190-0	PALSABANGON	143.950	1	8.85	0.75+	7.35+	0.75
380	191-0	TAMBAC	138.930	3	9.00	0.80+	7.40+	0.80
381	192-0	IRRIGATION	136.000	1	8.50	0.90+	6.70+	0.90
382	193-0	DOMOCLONG II	133.980	3	9.00	0.85+	7.30+	0.85
383	194-0	DOMOCLONG I	132.140	3	8.90	0.80+	7.30+	0.80
384	195-0	MAYAO I	130.670	3	9.05	0.80+	7.45+	0.80
385	196-0	DUMACAA	130.010	3	9.06	0.83+	7.40+	0.83
386	197-0	IYAN	129.020	3	9.00	0.80+	7.40+	0.80
387	198-0	DOMOIT	128.220	3	8.80	0.70+	7.40+	0.70
388	199-0	BUCOHAN	127.315	3	8.90	0.75+	7.40+	0.75
389	200-0	MAYUNI	126.510	3	8.97	0.75+	7.47+	0.75
390	201-0	GIBANGA	121.830	4	8.25	0.45+	7.35+	0.45
391	202-0	BALUBAL	119.810	1	8.30	0.75+	6.80+	0.75

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (10/17)

No.	Bridg		Station	Bridg Type	Width (m)	Carrigeway		
	No.	Bridge Name				Left	+Centr	+Right
392	203-0	MAMALA	119.005	1	8.30	0.75+	6.80+	0.75
393	204-0	GUINIANG	118.730	1	8.35	0.80+	6.75+	0.80
394	205-0	SARIAYA	118.200	1	7.20	0.50+	6.20+	0.50
395	206-0	LAGNAS II	117.800	2	8.20	0.80+	6.60+	0.80
396	207-0	LAGNAS I	117.540	1	8.32	0.76+	6.80+	0.76
397	208-0	STO CRISTO	116.130	1	7.75	0.76+	6.75+	0.76
398	209-0	QUIAPO	107.480	6	8.20	0.40+	7.40+	0.40
399	210-0	MAASIN	106.720	1	8.45	0.50+	7.45+	0.50
400	211-0	TAGUAN	102.350	3	8.85	0.70+	7.45+	0.70
401	212-0	LAGALAG	102.020	6	8.40	0.50+	7.40+	0.50
402	213-0	LAGNAS	98.650	5	8.90	0.75+	7.40+	0.75
403	214-0	LALIG	94.650	1	8.90	0.75+	7.40+	0.75
404	215-0	BALANGA	89.150	10	7.32	0.31+	6.70+	0.31
405	216-0	KASAYAN	86.800	10	7.32	0.31+	6.70+	0.31
406	217-0	KAKATI	85.800	10	7.32	0.31+	6.70+	0.31
407	218-0	MALAUNDO	84.550	1	7.30	0.15+	7.00+	0.15
408	219-0	BANADERO	82.680	6	8.30	0.45+	7.40+	0.45
409	220-0	MAGAPONG	79.780	5	6.00	0.00+	6.00+	0.00
410	221-0	CABAONG	63.600	6	8.55	0.60+	7.35+	0.60
411	222-0	SANTIAGO	59.310	6	8.90	0.75+	7.40+	0.75
412	223-0	BIGA	56.900	6	9.54	0.00+	7.32+	0.00
413	224-0	SAN JUAN	53.150	6	16.60	0.75+	15.10+	0.75
414	225-0	SAN JUAN	50.800	4	9.00	0.80+	7.40+	0.80
415	226-0	MAYAPA	49.050	2	9.00	0.80+	7.40+	0.80
416	227-0	SAN CRISTOBAL	48.660	8	9.50	0.75+	8.00+	0.75
417	227-1	SALA	42.600	2	9.30	0.00+	9.30+	0.00
418	228-0	CABUYAO	41.760	4	10.40	0.50+	9.40+	0.50
419	229-0	DITA	40.900	10	8.20	0.00+	8.20+	0.00
420	229-1	SALANG BAGO	37.500	10	11.70	2.50+	6.70+	2.50
421	230-0	STA ROSA	36.800	6	14.25	1.00+	12.25+	1.00
422	231-0	SORO-SORO	34.400	2	8.90	0.75+	7.40+	0.75
423	232-0	SAN PEDRO	29.150	10	8.75	0.70+	7.35+	0.70
* Region : 5								
424	1-0	MATNOG	644.440	1	8.95	0.80+	7.35+	0.80
425	2-0	CALIBAG	642.050	1	8.32	0.76+	6.80+	0.76
426	3-0	BOLO	638.500	1	7.60	0.45+	6.70+	0.45
427	4-0	PANGE	633.500	1	8.12	0.46+	7.20+	0.46
428	5-0	BAMBAN	630.900	1	7.65	0.45+	6.75+	0.45
429	6-0	SOLINAO	629.670	1	8.27	0.46+	7.35+	0.46
430	7-0	CASINI	626.220	6	8.20	0.45+	7.30+	0.45
431	8-0	BUENAVISTA	623.580	1	8.35	0.50+	7.35+	0.50
432	9-0	CALUSCUS	622.460	3	8.92	0.74+	7.45+	0.74
433	10-0	MONBON	619.770	1	8.35	0.50+	7.35+	0.50
434	11-0	GULANG-GULANG	616.520	1	8.97	0.76+	7.45+	0.76
435	12-0	BACOLOG	609.180	1	7.75	0.50+	6.75+	0.50
436	13-0	HAYON-HAYON	608.610	1	7.60	0.45+	6.70+	0.45
437	14-0	RANGAS	606.780	6	8.37	0.46+	7.45+	0.46
438	15-0	ARROY	605.370	6	8.30	0.50+	7.30+	0.50
439	16-0	TALINGAN	604.070	6	8.30	0.50+	7.30+	0.50
440	17-0	CASIGURAN	598.280	6	8.97	0.76+	7.45+	0.76
441	18-0	HIMAOYON	597.350	6	8.35	0.45+	7.45+	0.45

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (11/17)

Bridg No.	Bridg No.	Bridge Name	Station	Bridg Type	Width (m)	Carrigeway		
						Left	+Centr	+Right
442	19-0	SUJE(RIZAL)	595.800	2	7.85	0.00+	7.85+	0.00
443	20-0	MAUHANG	593.410	1	8.35	0.80+	6.75+	0.80
444	21-0	BOTON	590.150	1	7.25	0.50+	6.25+	0.50
445	22-0	ABUYOG	588.210	1	7.75	0.45+	6.85+	0.45
446	23-0	BUHATAN	585.040	4	7.92	0.46+	7.00+	0.46
447	24-0	ALICE	579.700	4	15.80	0.90+	14.00+	0.90
448	24-1	TUGOS	578.100	4	9.00	0.00+	9.00+	0.00
449	25-0	CAWAYAN	573.800	3	8.97	0.76+	7.45+	0.76
450	25-1	TICOL	571.289	2	11.00	0.00+	11.00+	0.00
451	26-0	BAGACAY	569.170	1	7.60	0.45+	6.70+	0.45
452	27-0	TUBLIJON	567.100	1	7.90	0.50+	6.90+	0.50
453	28-0	MIBACONG	565.570	6	8.37	0.46+	7.45+	0.46
454	29-0	PILI	559.470	1	7.67	0.46+	6.75+	0.46
455	30-0	MALBOG	553.110	6	8.30	0.45+	7.40+	0.45
456	31-0	GUMADCAD	551.040	1	8.45	0.80+	6.85+	0.80
457	32-0	KAGBAGONG	544.580	3	8.32	0.44+	7.45+	0.44
458	33-0	PUTIAO	541.620	2	7.75	0.50+	6.75+	0.50
459	34-0	NAMOROPINPIN	537.417	1	8.36	0.78+	6.80+	0.78
460	35-0	BUSAY	521.940	4	7.77	0.46+	6.85+	0.46
461	36-0	CAMALIG	515.228	4	9.85	1.25+	7.35+	1.25
462	37-0	LIBOD II	514.278	2	7.80	0.40+	7.00+	0.40
463	38-0	LIBOD I	513.600	2	8.60	0.00+	8.60+	0.00
464	39-0	BASCARAN II	512.265	4	7.75	0.50+	6.75+	0.50
465	40-0	TRAVESIA	511.662	1	7.67	0.46+	6.75+	0.46
466	41-0	TRAVESIA II	510.901	4	7.40	0.35+	6.70+	0.35
467	42-0	TRAVESIA I	510.589	4	8.32	0.46+	7.40+	0.46
468	43-0	GUINOBATAN	509.841	6	8.20	0.45+	7.30+	0.45
469	44-0	MORERA	508.470	2	8.37	0.46+	7.45+	0.46
470	45-0	BANAO	505.715	4	8.30	0.50+	7.30+	0.50
471	46-0	PAULOG	502.364	4	8.32	0.46+	7.40+	0.46
472	47-0	BINATAGAN	498.298	3	8.95	0.75+	7.45+	0.75
473	48-0	OAS DIVERSION	494.371	1	8.90	0.75+	7.40+	0.75
474	49-0	CABANGAN	492.778	1	9.05	0.80+	7.45+	0.80
475	50-0	MABINI	492.283	4	7.80	0.50+	6.80+	0.50
476	51-0	BASUD II	491.887	4	7.65	0.45+	6.75+	0.45
477	52-0	BASUD I	491.437	4	7.70	0.50+	6.70+	0.50
478	53-0	POLANGUI	490.159	6	8.95	0.80+	7.35+	0.80
479	54-0	GOV. VERA	488.459	1	7.85	0.50+	6.85+	0.50
480	55-0	MATACON	484.280	2	7.90	0.55+	6.80+	0.55
481	56-0	AGUS	479.881	3	8.25	0.45+	7.35+	0.45
482	57-0	BATO II	478.466	2	8.20	0.30+	7.60+	0.30
483	58-0	BATO I	477.520	2	8.20	0.30+	7.60+	0.30
484	59-0	SANTIAGO YOUNG	472.300	4	9.25	0.00+	9.25+	0.00
485	60-0	CAGAS	471.530	1	8.90	0.00+	8.90+	0.00
486	61-0	SAN MIGUEL	471.251	1	8.30	1.10+	6.10+	1.10
487	62-0	IMBIN	468.192	1	8.50	0.55+	7.40+	0.55
488	63-0	IRRIGATION	465.360	1	8.35	0.50+	7.35+	0.50
489	63-1	AGDANGAN	458.100	1	8.35	0.50+	7.35+	0.50
490	64-0	PAWILI	453.655	8	8.25	0.45+	7.35+	0.45
491	65-0	ANAYAN	451.404	4	7.90	0.50+	7.40+	0.00
492	66-0	MAMORAON	449.447	4	8.35	0.50+	7.35+	0.50
493	67-0	SAN JOSE	447.443	1	8.95	0.80+	7.35+	0.80

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (12/17)

No.	Bridg		Station	Bridg Type	Width (m)	Carrigeway		
	No.	Bridge Name				Left	+Centr	+Right
494	68-0	CADLAN	444.299	1	8.50	0.55+	7.40+	0.55
495	69-0	MARAPONG	443.900	1	8.90	0.75+	7.40+	0.75
496	70-0	MABULO	434.710	8	8.80	0.70+	7.40+	0.70
497	71-0	MILAOR II	432.688	1	8.85	0.75+	7.35+	0.75
498	72-0	MILAOR I	432.404	6	8.40	0.50+	7.40+	0.50
499	73-0	BARACA II	430.060	1	8.30	0.45+	7.40+	0.45
500	74-0	BARACA I	429.443	6	8.20	0.40+	7.40+	0.40
501	75-0	SAN FERNANDO	428.235	6	8.30	0.45+	7.40+	0.45
502	76-0	PAMUKID	427.808	6	8.90	0.75+	7.40+	0.75
503	77-0	SAN ISIDRO	422.808	6	8.95	0.75+	7.45+	0.75
504	78-0	SAN GABRIEL	422.403	2	9.10	0.80+	7.50+	0.80
505	79-0	PAHOHO	421.978	1	8.45	0.50+	7.35+	0.50
506	80-0	TINIGUIBAN	421.102	1	8.45	0.50+	7.45+	0.50
507	81-0	BAGULA	420.669	1	8.40	0.50+	7.40+	0.50
508	82-0	SGT. MATIAS	419.765	1	8.70	0.50+	7.70+	0.50
509	83-0	MALANSAD	411.715	6	8.40	0.50+	7.40+	0.50
510	84-0	NAKUPA	410.583	1	8.35	0.50+	7.35+	0.50
511	85-0	NAUBOD II	409.983	6	8.35	0.45+	7.45+	0.45
512	86-0	NAUBOD I	409.917	6	8.30	0.45+	7.40+	0.45
513	87-0	UGUIS	407.205	1	8.40	0.50+	7.40+	0.50
514	88-0	ACLONG	405.854	6	8.45	0.50+	7.45+	0.50
515	89-0	CABANGAN	398.887	1	8.40	0.50+	7.40+	0.50
516	90-0	CATAMAC	398.238	1	8.30	0.45+	7.40+	0.45
517	91-0	SIPOCOT	395.090	3	8.95	0.80+	7.35+	0.80
518	92-0	IMPING	392.284	6	9.15	0.75+	7.65+	0.75
519	93-0	CULOY-CULOY	391.636	1	8.30	0.80+	6.70+	0.80
520	94-0	ABOBO	388.307	1	8.40	0.50+	7.40+	0.50
521	95-0	AGA	383.960	6	7.80	0.50+	6.80+	0.50
522	96-0	CALAGBANGAN	382.311	6	8.35	0.50+	7.35+	0.50
523	97-0	SIPANG	378.874	1	8.95	0.75+	7.45+	0.75
524	98-0	YABO	378.089	1	7.80	0.50+	6.80+	0.50
525	99-0	SOOK	377.089	6	8.95	0.80+	7.35+	0.80
526	100-0	NAPOLIDAN	374.184	6	8.35	0.50+	7.35+	0.50
527	101-0	HAGOL	371.120	1	7.95	0.00+	7.95+	0.00
528	102-0	SMALL BAH	370.434	1	8.35	0.50+	7.35+	0.50
529	103-0	BAHI	370.066	1	8.30	0.45+	7.40+	0.45
530	104-0	PINAGUIDANAN	369.331	1	8.40	0.50+	7.40+	0.50
531	105-0	MAKALUKSO II	369.013	1	8.30	0.45+	7.40+	0.45
532	106-0	MAKALUKSO I	368.430	1	8.40	0.50+	7.40+	0.50
533	107-0	MAKABUBOS	367.099	1	8.30	0.45+	7.40+	0.45
534	108-0	NALISAN	365.801	6	8.45	0.50+	7.45+	0.50
535	109-0	MAGKALABIG	363.810	1	8.30	0.45+	7.40+	0.45
536	110-0	DAGANG	363.271	1	8.25	0.40+	7.45+	0.40
537	111-0	TUACA	361.310	6	8.40	0.50+	7.40+	0.50
538	112-0	KALAGDO	361.106	6	8.35	0.45+	7.45+	0.45
539	113-0	PARADATUANGAN	357.320	6	8.20	0.40+	7.40+	0.40
540	114-0	CALAMBUSING	356.857	1	8.30	0.50+	7.30+	0.50
541	115-0	POTOT	355.500	6	8.35	0.50+	7.35+	0.50
542	116-0	MANTUGAW	353.380	6	8.30	0.45+	7.40+	0.45
543	117-0	PAGSANGAHAN	351.384	3	8.30	0.45+	7.40+	0.45
544	118-0	LANGA	350.437	6	8.40	0.50+	7.40+	0.50
545	119-0	LANITON	348.080	1	7.80	0.50+	6.80+	0.50

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (13/17)

No.	Bridg		Station	Bridg Type	Width (m)	Carrigeway		
	No.	Bridge Name				Left	+Centr	+Right
546	120-0	MAT-NOG	347.881	6	8.40	0.50+	7.40+	0.50
547	121-0	TULAY NA BATO	345.583	1	8.30	0.45+	7.40+	0.45
548	122-0	MABULAO	343.000	1	8.95	0.75+	7.45+	0.75
549	123-0	DAET I	341.400	1	8.95	0.80+	7.35+	0.80
550	124-0	ITOMANG	339.400	1	8.30	0.50+	7.30+	0.50
551	125-0	TALISAY	338.078	6	9.00	0.80+	7.40+	0.80
552	126-0	CRUZERO I	336.901	1	8.35	0.50+	7.35+	0.50
553	126-1	CRUZERO	336.820	1	8.35	0.50+	7.35+	0.50
554	127-0	ALINAO	330.808	6	8.35	0.45+	7.45+	0.45
555	128-0	BICAL	329.569	1	7.75	0.45+	6.85+	0.45
556	129-0	LABO	326.640	3	9.90	1.30+	7.35+	1.30
557	130-0	MASALONG	322.410	6	8.45	0.50+	7.45+	0.50
558	131-0	MALAKBANG	318.880	6	8.30	0.45+	7.40+	0.45
559	132-0	GALOCAN	317.890	6	8.25	0.45+	7.35+	0.45
560	133-0	POTOT	315.066	6	8.40	0.50+	7.40+	0.50
561	134-0	PAGUIT	312.580	6	8.35	0.50+	7.35+	0.50
562	135-0	BINUANG	312.463	1	7.80	0.50+	6.80+	0.50
563	136-0	NABOONGAN	310.360	6	8.40	0.50+	7.40+	0.50
564	137-0	NAMUKANAN	308.755	6	8.30	0.45+	7.40+	0.45
565	138-0	DAGUIT	306.240	6	7.75	0.50+	6.75+	0.50
566	139-0	MAGACON	302.814	6	8.25	0.40+	7.45+	0.40
567	140-0	MAGATIP	300.230	3	8.40	0.50+	7.40+	0.50
568	141-0	MALATAP	297.020	6	8.35	0.50+	7.35+	0.50
569	142-0	ANAMLAN	294.080	6	8.35	0.50+	7.35+	0.50
570	143-0	KANAPAWAN	290.185	6	8.35	0.50+	7.35+	0.50
571	144-0	DAGOOK II	282.556	6	8.35	0.45+	7.45+	0.45
572	145-0	DAGOOK I	282.418	6	8.25	0.45+	7.35+	0.45
573	146-0	TIGBINAN	281.099	6	8.40	0.55+	7.30+	0.55
574	147-0	GUISICAN	279.000	6	8.25	0.40+	7.45+	0.40
575	148-0	BAYABAS	276.120	1	7.60	0.45+	6.70+	0.45
576	149-0	BULALA II	272.100	1	8.25	0.45+	7.35+	0.45
577	150-0	BULALA I	271.106	8	8.85	0.70+	7.45+	0.70
578	151-0	WATER FALL	267.245	10	7.32	0.31+	6.70+	0.31
579	152-0	MINASAG	265.417	8	6.15	0.00+	6.15+	0.00
580	153-0	SANTOL	264.165	6	8.25	0.45+	7.35+	0.45
581	154-0	BASIAD	259.680	8	8.90	0.75+	7.40+	0.75

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (14/17)

Bridg No.	Bridg No.	Bridge Name	Station	Bridg Type	Width (m)	Carrigeway Left +Centr+Right		
** Section : 4								
* Region : 8								
582	1-0	LILOAN	1058.870	3	9.00	0.80+	7.40+	0.80
583	2-0	TABOGON	1056.009	1	8.37	0.46+	7.45+	0.46
584	3-0	HIMAYANGAN	1053.436	6	8.27	0.46+	7.35+	0.46
585	4-0	ILAG	1051.010	6	8.20	0.45+	7.30+	0.45
586	5-0	MANTAD	1050.734	6	8.27	0.46+	7.35+	0.46
587	6-0	NAILONG II	1049.835	6	8.20	0.45+	7.30+	0.45
588	7-0	NAILONG I	1049.436	6	8.27	0.46+	7.35+	0.46
589	8-0	MAGAUPAS	1047.724	6	8.20	0.45+	7.30+	0.45
590	9-0	MAGKASAG	1045.645	6	8.20	0.45+	7.30+	0.45
591	10-0	MAYUGA	1043.186	6	8.27	0.46+	7.35+	0.46
592	11-0	CAWAYAN II	1041.714	6	8.25	0.45+	7.35+	0.45
593	12-0	CAWAYAN	1041.560	6	8.25	0.45+	7.35+	0.45
594	13-0	DAKIT	1039.607	6	8.15	0.40+	7.35+	0.40
595	14-0	JUBAS	1039.028	6	8.30	0.50+	7.30+	0.50
596	15-0	BUGASONG II	1038.100	6	8.32	0.46+	7.40+	0.46
597	16-0	BUGASONG I	1037.673	6	8.30	0.45+	7.40+	0.45
598	17-0	TIGBAO II	1036.991	6	8.27	0.46+	7.35+	0.46
599	18-0	TIGBAO I	1036.136	2	8.30	0.50+	7.30+	0.50
600	19-0	OTICON	1035.638	6	8.25	0.45+	7.35+	0.45
601	20-0	PANGI	1033.016	6	8.27	0.46+	7.35+	0.46
602	21-0	BITANHUAN	1032.430	6	8.25	0.45+	7.35+	0.45
603	22-0	NAHULID	1031.479	6	8.97	0.76+	7.45+	0.76
604	23-0	NAHAWONG	1030.866	6	8.35	0.50+	7.35+	0.50
605	24-0	ITI	1030.414	6	8.20	0.40+	7.40+	0.40
606	25-0	GAKAT	1029.477	6	8.25	0.45+	7.35+	0.45
607	26-0	MAAC II	1028.597	6	8.45	0.55+	7.35+	0.55
608	27-0	MAAC I	1028.306	6	8.20	0.40+	7.40+	0.40
609	28-0	MAGAPSO	1027.600	6	8.35	0.50+	7.35+	0.50
610	29-0	BUAC	1027.025	6	8.20	0.40+	7.40+	0.40
611	30-0	SUBANG DAKU	1023.944	6	8.25	0.45+	7.35+	0.45
612	31-0	DAMPOY	1019.598	8	9.92	1.26+	7.40+	1.26
613	32-0	PANGALKAGAN	1007.632	3	9.00	0.80+	7.40+	0.80
614	33-0	MAGPATONG	1007.200	6	8.97	0.76+	7.45+	0.76
615	34-0	BALLACAO	1006.907	8	8.85	0.75+	7.35+	0.75
616	35-0	LAYOG	1005.950	8	8.92	0.76+	7.40+	0.76
617	36-0	POLAHANGON	1003.960	6	8.20	0.45+	7.30+	0.45
618	37-0	TAGBINUNGA	1000.730	6	8.27	0.46+	7.35+	0.46
619	38-0	TAJON HOK	999.930	6	8.27	0.46+	7.35+	0.46
620	39-0	CANAYA	999.560	6	8.30	0.45+	7.40+	0.45
621	40-0	MAHAPLAG	993.318	6	8.25	0.45+	7.35+	0.45
622	41-0	HILUSIG	987.344	6	8.22	0.46+	7.30+	0.46
623	42-0	TAG-ABACA	984.394	6	8.25	0.45+	7.35+	0.45
624	43-0	LOURDES	981.017	1	8.27	0.46+	7.35+	0.46
625	44-0	BAGALONGON	979.714	6	8.25	0.45+	7.35+	0.45
626	45-0	MANABA	974.506	6	8.17	0.41+	7.35+	0.41
627	46-0	TABOG	974.046	6	8.20	0.45+	7.30+	0.45
628	47-0	MACAONG	972.886	6	8.30	0.50+	7.30+	0.50
629	48-0	ULHAY	970.981	6	8.24	0.42+	7.40+	0.42
630	49-0	BUNGA	966.935	6	8.19	0.42+	7.35+	0.42

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (15/17)

No.	Bridg		Station	Bridg Type	Width (m)	Carrigeway		
	No.	Bridge Name				Left	+Centr	+Right
631	50-0	BITO	965.666	1	8.95	0.80+	7.35+	0.80
632	51-0	PAMUNAWAN	964.696	6	8.19	0.42+	7.35+	0.42
633	52-0	JALOQUIQUE	964.015	6	8.30	0.50+	7.30+	0.50
634	53-0	BALIRE	960.282	6	8.24	0.42+	7.40+	0.42
635	54-0	IBAWON	959.480	6	8.25	0.45+	7.35+	0.45
636	55-0	BALOCAWE	959.300	6	8.25	0.45+	7.35+	0.45
637	56-0	BUCOG	956.850	6	8.24	0.42+	7.40+	0.42
638	57-0	HIBUGA	952.360	1	9.00	0.80+	7.40+	0.80
639	58-0	TALISAY	948.920	2	7.40	0.00+	7.40+	0.00
640	59-0	DAGUITAN	945.585	1	8.40	0.50+	7.40+	0.50
641	60-0	MATADBATAD	945.203	1	8.30	0.45+	7.40+	0.45
642	61-0	CALBASAG	940.400	6	8.35	0.50+	7.35+	0.50
643	62-0	LABIRANAN	939.340	1	8.83	0.74+	7.35+	0.74
644	63-0	SAN ROQUE	936.700	2	7.70	0.45+	6.80+	0.45
645	64-0	CABIGUAN	934.264	1	8.40	0.50+	7.40+	0.50
646	65-0	TELEGRAFO II	934.074	2	8.45	0.00+	8.45+	0.00
647	66-0	TELEGRAFO I	933.050	1	7.72	0.46+	6.80+	0.46
648	67-0	LIMBUHAN	929.029	1	7.75	0.50+	6.75+	0.50
649	68-0	CANBABASTA	926.676	1	7.72	0.46+	6.80+	0.46
650	69-0	EMBARKADERO	925.088	1	8.35	0.50+	7.35+	0.50
651	70-0	SOLANO	924.857	1	8.27	0.46+	7.35+	0.46
652	71-0	CALOGCOG	923.922	1	8.85	0.75+	7.35+	0.75
653	72-0	SAN JOAQUIN	920.730	1	8.97	0.76+	7.45+	0.76
654	73-0	BERNARD REED	918.604	1	8.90	0.80+	7.30+	0.80
655	74-0	TIGBAO	906.190	1	8.35	0.50+	7.35+	0.50
656	75-0	DUT	905.370	6	8.35	0.50+	7.35+	0.50
657	76-0	BAGACAY	902.400	1	8.27	0.46+	7.35+	0.46
658	77-0	SAN SUANICO	899.000	6	10.60	1.65+	7.32+	1.65
659	78-0	ALALON IV	890.843	6	8.30	0.50+	7.30+	0.50
660	79-0	ALALON III	890.609	6	8.30	0.50+	7.30+	0.50
661	80-0	ALALON II	889.990	6	8.27	0.46+	7.35+	0.46
662	81-0	ALALON I	889.288	6	8.30	0.50+	7.30+	0.50
663	82-0	TINABUNGAN	888.948	6	8.35	0.50+	7.35+	0.50
664	83-0	APOLOGON	884.232	6	8.25	0.45+	7.35+	0.45
665	84-0	DALID	882.900	6	8.27	0.46+	7.35+	0.46
666	85-0	CATUNGON	881.284	6	8.30	0.45+	7.40+	0.45
667	86-0	LUPIG	879.990	6	8.27	0.46+	7.35+	0.46
668	87-0	MANUNGCA	878.634	6	8.25	0.45+	7.35+	0.45
669	88-0	SILAGA	875.212	1	7.62	0.46+	6.70+	0.46
670	89-0	PARASANON I	869.505	6	8.25	0.45+	7.35+	0.45
671	90-0	ANTOL	864.449	6	8.30	0.50+	7.30+	0.50
672	91-0	LALE	861.391	6	8.27	0.46+	7.35+	0.46
673	92-0	LIBUNAO	861.010	6	8.20	0.45+	7.30+	0.45
674	93-0	CAMANDANG	858.839	6	8.20	0.45+	7.30+	0.45
675	94-0	BOTOC	857.248	6	8.37	0.46+	7.45+	0.46
676	95-0	OBAYAN II	855.699	2	7.30	0.30+	6.70+	0.30
677	96-0	OBAYAN I	855.675	2	7.30	0.25+	6.80+	0.25
678	97-0	CALBIGA UNDERPASS	852.905	1	8.80	0.75+	7.30+	0.75
679	98-0	CALBIGA	852.608	8	9.07	0.76+	7.55+	0.76
680	99-0	POLANGI	852.060	6	8.40	0.55+	7.30+	0.55
681	100-0	CABUGAW	850.360	1	7.65	0.40+	6.85+	0.40
682	101-0	BALUGO	845.210	6	8.20	0.45+	7.30+	0.45

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (16/17)

Brig No.	Bridge No.	Bridge Name	Station	Brig Type	Width (m)	Carrigeway		
						Left	+Centr	+Right
683	102-0	BUCALAN	843.475	6	8.27	0.46+	7.35+	0.46
684	103-0	HINABANGAN	841.204	1	6.70	0.00+	6.70+	0.00
685	104-0	TINAGO	840.987	1	8.42	0.46+	7.50+	0.46
686	105-0	YABONG	840.884	6	8.20	0.45+	7.30+	0.45
687	106-0	BATO	833.400	6	8.20	0.50+	7.20+	0.50
688	107-0	BURAY	830.460	2	8.10	0.40+	7.30+	0.40
689	108-0	MOTIONG	824.555	1	8.30	0.50+	7.30+	0.50
690	109-0	JIABONG	816.727	2	6.85	0.00+	6.85+	0.00
691	110-0	BATAG (FIRST BR)	806.471	1	11.90	0.00+	11.90+	0.00
692	111-0	ANTIAGO	805.367	1	8.50	1.18+	6.15+	1.18
693	112-0	POPUA	799.775	1	6.80	0.00+	6.80+	0.00
694	113-0	TIZON	788.775	6	8.25	0.45+	7.35+	0.45
695	114-0	SAPINIT I	774.980	6	8.27	0.46+	7.35+	0.46
696	115-0	SAPINIT II	774.841	2	8.27	0.46+	7.35+	0.46
697	116-0	GANDARA	767.006	6	9.00	0.80+	7.40+	0.80
698	117-0	TAGANAO	764.262	6	8.30	0.50+	7.30+	0.50
699	118-0	LAYAWON	762.211	6	8.27	0.46+	7.35+	0.46
700	119-0	NACOBÉ	760.198	6	8.27	0.46+	7.35+	0.46
701	120-0	HINOGBONGAN	758.469	6	8.20	0.45+	7.30+	0.45
702	121-0	LAMBIQUE	756.700	6	8.22	0.46+	7.30+	0.46
703	122-0	ILO	755.968	6	8.20	0.45+	7.30+	0.45
704	123-0	SOLSOGON	746.241	6	8.27	0.46+	7.35+	0.46
705	124-0	ARAPISON	745.508	6	8.30	0.50+	7.30+	0.50
706	125-0	STA MARGARITA	744.075	6	8.27	0.46+	7.35+	0.46
707	126-0	NAGA	740.330	6	8.20	0.45+	7.30+	0.45
708	127-0	CARAYMAN	739.800	6	8.27	0.46+	7.35+	0.46
709	128-0	RAWIS	738.300	2	7.00	0.00+	7.00+	0.00
710	129-0	ROSALES	736.075	1	8.97	0.76+	7.45+	0.76
711	130-0	MILAWAAN	732.400	6	8.15	0.40+	7.35+	0.40
712	131-0	LABUYAO	727.500	6	8.20	0.40+	7.40+	0.40
713	132-0	JIBATANG	727.328	6	8.35	0.50+	7.35+	0.50
714	133-0	TINAMBACAN	723.990	6	8.20	0.40+	7.40+	0.40
715	134-0	BALONGTO	721.600	6	8.20	0.45+	7.30+	0.45
716	135-0	MALAJOG	719.900	6	8.25	0.40+	7.45+	0.40
717	136-0	PISONG	719.040	6	8.20	0.45+	7.30+	0.45
718	137-0	BINALIW	713.850	6	8.27	0.46+	7.35+	0.46
719	138-0	KINAWAN	711.800	6	8.20	0.45+	7.30+	0.45
720	139-0	TANGAO	709.600	6	8.20	0.45+	7.30+	0.45
721	140-0	CAGNIPA	708.850	6	8.27	0.46+	7.35+	0.46
722	141-0	PENA	705.600	6	8.27	0.46+	7.35+	0.46
723	142-0	CAGMANIPES	701.600	6	8.20	0.45+	7.30+	0.45
724	143-0	MALAGA	699.800	6	8.27	0.46+	7.35+	0.46
725	144-0	BUGTONG	696.850	6	8.20	0.45+	7.30+	0.45
726	145-0	MANOK-MANOK	696.000	6	8.20	0.45+	7.30+	0.45
727	146-0	CALAGNIPAO	694.500	6	8.37	0.46+	7.45+	0.46
728	147-0	VERIATO	692.500	1	8.35	0.50+	7.35+	0.50
729	148-0	MALUD-BALUD	690.600	1	8.80	0.75+	7.30+	0.75
730	149-0	PALANIT	689.200	8	9.20	0.85+	7.50+	0.85
731	150-0	MALACONG-BACONG	688.800	1	8.37	0.46+	7.45+	0.46
732	151-0	CANAWAYON	687.900	1	8.25	0.45+	7.35+	0.45
733	152-0	CA-AGUITAN III	685.697	6	8.37	0.46+	7.45+	0.46
734	153-0	CA-AGUITAN II	685.253	6	8.37	0.46+	7.45+	0.46

RELATIONS BETWEEN BRIDGE DATA ENTRY
NUMBER AND BRIDGE STATION (17/17)

No.	Bridg No.	Bridge Name	Station	Bridg Type	Width (m)	Carrigeway		
						Left	+Centr	+Right
735	154-0	CA-AGUITAN I	684.941	6	8.27	0.46+	7.35+	0.46
736	155-0	SAN ISIDRO	683.513	6	8.27	0.46+	7.35+	0.46
737	156-0	TANGOLON	681.327	1	8.37	0.46+	7.45+	0.00
738	157-0	ERENAS	679.500	1	8.97	0.76+	7.45+	0.76
739	158-0	MAWO	676.865	10	8.92	0.76+	7.40+	0.76
740	159-0	COLAB-OG	670.800	6	8.35	0.50+	7.35+	0.50
741	160-0	JUBASAN II	666.900	5	8.95	0.80+	7.35+	0.80
742	161-0	JUBASAN I	666.100	8	8.90	0.80+	7.30+	0.80

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