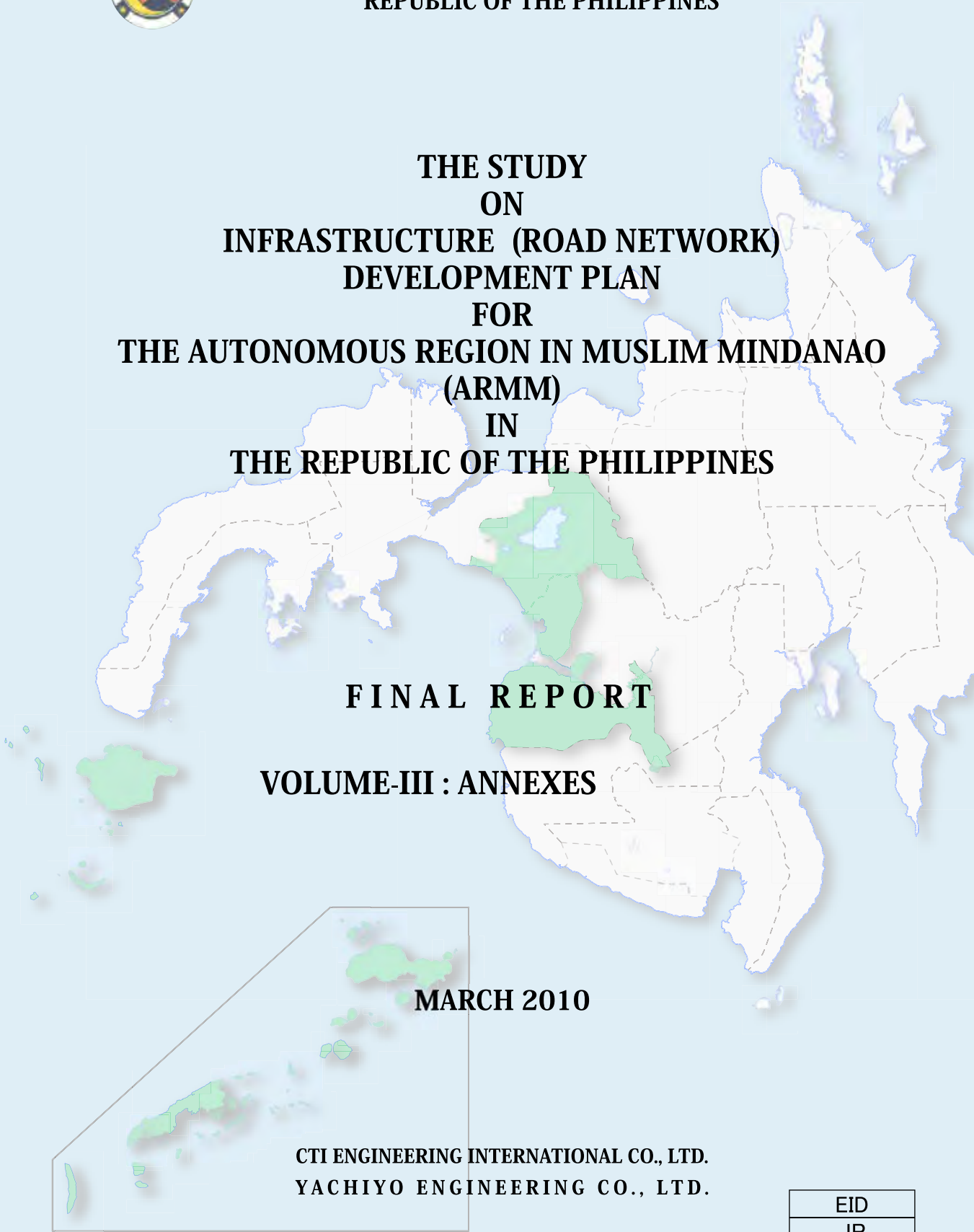




JAPAN INTERNATIONAL COOPERATION AGENCY



DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS - ARMM
REPUBLIC OF THE PHILIPPINES



**THE STUDY
ON
INFRASTRUCTURE (ROAD NETWORK)
DEVELOPMENT PLAN
FOR
THE AUTONOMOUS REGION IN MUSLIM MINDANAO
(ARMM)
IN
THE REPUBLIC OF THE PHILIPPINES**

FINAL REPORT

VOLUME-III : ANNEXES

MARCH 2010

**CTI ENGINEERING INTERNATIONAL CO., LTD.
YACHIYO ENGINEERING CO., LTD.**

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DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS-ARMM
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**SUMMARY OF BRIDGES INVENTORY
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SUMMARY OF BRIDGES INVENTORY & CONDITION SURVEY IN ARMM

Road No.	Name of Road	Bridge No.	Bridge Name	Bridge Location (Km Post)	Bridge Length (m)	No. of Spans	Span Arrangement (m)	Bridge Width (m)			Year Built	Load Limit (ton)	Hydraulic Condition			Defects					Overall Evaluation			
								Carriage-way	Sidewalk				River Alignment	River Bed	Debris Flow	Deck Slab	Bridge Surface	Abutment	Pier	Approach Road				
									Total	L												R		
Lambo Dal Sur 1																								
L-1-1	MARAWMASURROAD	L1-B1	PANTAR BRIDGE	1554+260	74	1	74	9.5	7.50	0.50	0.50	1974	H20-44	STRAIGHT	UNVARIED	FEW WEAKNESS OF PAINTING	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
L-1-3	MARAWMASURROAD	L1-B2	PUGAN BRIDGE	1570+013	18	1	18	7.7	6.70	0.5	0.5	1969	H20-44	STRAIGHT	LOWERING	FEW CRACKS	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
L-1-3	MARAWMASURROAD	L1-B3	RAMAN BRIDGE	1574+982	61.36	2	30.68+30.68	8.7	7.30	0.4	0.4	1969	H20-44	CURVE	UNVARIED	FEW CRACKS	FEW LINEAR CRACKS	CRACKS & DEPRESSION	DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B4	LUMBAC BRIDGE	1577+372	12	1	12	8.7	7.30	0.40	0.40	1978	H20-44	CURVE	UNVARIED	NONE	FEW ALIQUOT CRACKS	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B5	BUNTONG BRIDGE	1578+272	16.2	1	16.2	8.7	7.30	0.40	0.40	1978	H20-44	CURVE	UNVARIED	FEW SHEAR CRACKS	FEW ALIQUOT CRACKS	MUCH DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B6	MANACAB BRIDGE	1578+682	20.3	2	10.15+10.15	8.7	7.30	0.4	0.4	1980	20	CURVE	UNVARIED	FEW	FEW LINEAR CRACKS	CRACKS & DEPRESSION	DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B7	SAPOT BRIDGE	1579+642	12.2	1	12.2	8.7	7.30	0.40	0.40	1977	H20-44	CURVE	UNVARIED	FEW	FEW LINEAR CRACKS	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B8	GATA BRIDGE # 1	1580+632	10.5	1	10.5	8.7	7.30	0.40	0.40	1969	H20-44	CURVE	UNVARIED	FEW	FEW LINEAR CRACKS	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	FAR
L-1-3	MARAWMASURROAD	L1-B9	MALONDO BRIDGE	1584+342	18	1	18	9.8	7.30	0.0	0.0	1970	20	CURVE	UNVARIED	NONE	NONE	NONE	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	FAR
L-1-3	MARAWMASURROAD	L1-B10	SIGAYAN BRIDGE	1586+202	15	1	15	8.7	7.30	0.40	0.40	1978	20	CURVE	UNVARIED	NONE	FEW LINEAR CRACKS	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B11	TAPAKA BRIDGE # 1	1586+982	7.85	1	7.85	8.7	7.30	0.40	0.40	1978	20	CURVE	UNVARIED	FEW	NONE	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B12	TAPAKA BRIDGE # 2	1587+382	10	1	10	8.7	7.30	0.40	0.40	1978	20	CURVE	UNVARIED	FEW	NONE	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B14	TAPAKA BRIDGE # 3	1587+982	31.9	1	31.9	8.7	7.30	0.40	0.40	1977	20	CURVE	UNVARIED	FEW	NONE	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B15	LALABUAN BRIDGE	1589+172	21	1	21	8.7	7.30	0.40	0.40	1967	20	CURVE	UNVARIED	FEW	NONE	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B16	TATAYANAN BRIDGE	1590+282	10.2	1	10.2	8.7	7.30	0.40	0.40	1978	20	CURVE	UNVARIED	FEW	NONE	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	FAR
L-1-3	MARAWMASURROAD	L1-B17	LUMBAC-INGUD BRIDGE	1591+472	12	1	12	8.7	7.30	0.40	0.40	1978	20	CURVE	UNVARIED	FEW	NONE	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	FAR
L-1-3	MARAWMASURROAD	L1-B18	DILAUAN BRIDGE	1591+872	9	1	9	8.7	7.30	0.40	0.40	1975	20	CURVE	UNVARIED	NONE	FEW LINEAR CRACKS	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	FAR
L-1-3	MARAWMASURROAD	L1-B19	GATA BRIDGE # 2	1592+392	42.67	1	42.67	9.8	7.30	0.00	0.00	1960	H20-44	CURVE	UNVARIED	FEW	NONE	NONE	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	FAR
L-1-3	MARAWMASURROAD	L1-B20	BANSAYAN BRIDGE # 1	1592+932	9	1	9	9.8	7.30	0.0	0.0	1979	20	CURVE	UNVARIED	NONE	NONE	NONE	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	FAR
L-1-3	MARAWMASURROAD	L1-B21	BANSAYAN BRIDGE # 2	1593+522	27.43	1	27.43	9.8	7.30	0.0	0.0	1978	20	CURVE	UNVARIED	FEW	NONE	NONE	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B22	BUBONG BRIDGE	1594+242	12	1	12	8.7	7.30	0.40	0.40	1979	20	CURVE	UNVARIED	NONE	FEW LINEAR CRACKS	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	FAR
L-1-3	MARAWMASURROAD	L1-B23	TALAGUAN BRIDGE	1595+672	18	1	18	8.7	7.30	0.40	0.40	1976	20	CURVE	UNVARIED	FEW	NONE	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	POOR
L-1-3	MARAWMASURROAD	L1-B24	MASU BRIDGE	1597+272	61.6	4	13.3+17.5+17.5+13.5	8.7	7.30	0.4	0.4	1973	H20-44	CURVE	UNVARIED	FEW	FEW LINEAR CRACKS	FEW CRACKS	FEW DAMAGE AT PROTECTION	NONE	NONE	NONE	NONE	FAR
L-1-4	WAO-MALONDO RAO	L1-B13	BATO-BATO BRIDGE	1587+672	40	2	20+20	8.7	7.30	0.4	0.4	1988	20	--	--	--	--	--	--	--	--	--	--	FAR
L-1-4	WAO-MALONDO RAO	L1-B25	KULUBRIDGE # 2	1604+408	16	1	16	9.45	7.35	0.76	0.76	1997	--	CURVE	UNVARIED	NONE	NONE	FEW CRACK	NONE	NONE	NONE	NONE	NONE	FAR
L-1-4	WAO-MALONDO RAO	L1-B26	KULUBRIDGE # 1	1604+444	22	1	22	9.6	7.40	0.80	0.80	1997	15	CURVE	UNVARIED	FEW	NONE	FEW CRACK	FEW DAMAGE	NONE	NONE	MUCH	NONE	BAD
L-1-4	WAO-MALONDO RAO	L1-B27	SOMUGOT BRIDGE	1607+220	17	1	17	9.6	7.40	0.80	0.80	1988	20	CURVE	UNVARIED	FEW	NONE	FEW CRACK	FEW DAMAGE	NONE	NONE	NONE	NONE	FAR
L-1-4	WAO-MALONDO RAO	L1-B28	BALATIN BRIDGE	1613+008	86.85	3	28.35+28.35+28.46	9.5	7.40	0.75	0.75	1997	20	CURVE	UNVARIED	FEW	NONE	FEW CRACK	NONE	NONE	NONE	NONE	NONE	FAR
L-1-4	WAO-MALONDO RAO	L1-B29	LAMBANOGAN BRIDGE	1614+174	22.4	1	22.4	9.6	7.40	0.80	0.80	1988	20	CURVE	UNVARIED	FEW	NONE	FEW CRACK	FEW DAMAGE	NONE	NONE	NONE	NONE	FAR
L-1-4	WAO-MALONDO RAO	L1-B30	CAPIGIS BRIDGE	1617+919	25	1	25	10	7.80	0.80	0.80	1997	15	CURVE	UNVARIED	FEW	NONE	FEW CRACK	NONE	NONE	NONE	NONE	NONE	FAR
L-1-4	WAO-MALONDO RAO	L1-B31	BUOT BRIDGE # 1	1619+997	29.1	1	29.1	9.7	7.50	0.80	0.80	1997	20	STRAIGHT	UNVARIED	FEW	NONE	NONE	FEW DAMAGE	NONE	NONE	NONE	NONE	FAR
L-1-4	WAO-MALONDO RAO	L1-B32	BUOT BRIDGE # 2	1621+897	15.1	1	15.1	9.4	7.40	0.76	0.76	1997	15	STRAIGHT	UNVARIED	FEW	NONE	FEW CRACK	NONE	NONE	NONE	NONE	NONE	FAR

SUMMARY OF BRIDGES INVENTORY & CONDITION SURVEY IN ARMM

Road No.	Name of Road	Bridge No.	Bridge Name	Bridge LoC/Station (Km Post)	Bridge Length (m)	No. of Spans	Span Arrangement (m)	Bridge Width (m)			Type of Super-Structure	Year Built	Load Limit (ton)	Hydraulic Condition				Defects				Overall Evaluation		
								Total	Carriage-way	Sidewalk				Max. Flood Level	River Alignment	River Bed	Debits Flow	Main Girders	Deck Slab	Bridge Surface	Abutment		Pier	Approach Road
L1-4	WAO-MALLONDO RAO	L1-B33	KALAWANG BRIDGE	1622+990	17.3	1	17.3	9.6	7.40	0.80	0.80	1937	15	1	CURVE	UNVARED	FEW	NONE	NONE	FEW CRACK	FEW DAMAGE	NONE	NONE	FAIR
L1-4	WAO-MALLONDO RAO	L1-B34	APERFORM BRIDGE	1621+954	16.7	1	16.7	9.4	7.40	0.76	0.76	-	-	TABLE SURVEYED										-
L1-4	WAO-MALLONDO RAO	L1-B35	MANSUANO BRIDGE	1623+444	16.8	1	16.8	9.6	7.40	0.8	0.8	-	-	TABLE SURVEYED										-
Marawi City																								
MC-6	MARAWI PUMPING ROAD	MC-B1	PUMPING BRIDGE	1563+333	80	3	10-50-20	9	8.00	0.50	0.50	1976	20	8	STRAIGHT	LOWERING	FEW	NONE	NONE	FEW DAMAGE	NONE	NONE	NONE	FAIR
MC-6	MARAWI PUGAM ROAD	MC-B2	SALAM BRIDGE	1563+730	40.4	2	2.2+2.2	7	3.00	0.00	0.00	2001	15	4	STRAIGHT	RSING	FEW	NONE	NONE	NONE	NONE	NONE	NONE	POOR
MC-6	MARAWI PUGAM ROAD	MC-B3	BANGGOLO BRIDGE	1563+731	40.6	1	40.6	10	6.00	0.50	0.50	2002	20	8	STRAIGHT	RSING	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAIR
MC-7	MARAWI KAPAI ROAD	MC-B4	DULAY BRIDGE	1568+686	6	1	6	4	5.80	0.00	0.00	1995	10	2	STRAIGHT	UNVARED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	POOR
MC-8	MARAWI MARCOS BLVD ROAD	MC-B5	MAPANDI (AGUS BRIDGE #2)	1562+600	100	3	33.5-33-33.5	10	8.00	0.50	0.50	1971	20	1.5	STRAIGHT	RSING	FEW	FEW EXP REBAR	MAN Y CRACKS	FEW DAMAGE	FEW DAMAGE	SCOURING AND DEP. OF DEBARS	NONE	POOR
Lanao Del Sur																								
L2-1	COT-MAL LANAO DEL NORTE	L2-B1	ITL BRIDGE	1913+861	25.45	1	25.45	9.4	7.40	0.70	0.70	1983	5	3	CURVE	RSING	FEW	FEW	FEW	NONE	NONE	NONE	NONE	BAO
L2-1	COT-MAL LANAO DEL NORTE	L2-B2	DIARONG BRIDGE	1921+101	20.3	1	20.3	9.4	8.40	0.75	0.75	1983	5	1	CURVE	RSING	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAIR
L2-1	COT-MAL LANAO DEL NORTE	L2-B3	MALABANG BRIDGE	1932+738	10.2	3	3.40+3.40+3.40	9.9	8.40	0.50	0.50	1975	5	1	CURVE	RSING	FEW	NONE	NONE	NONE	NONE	NONE	NONE	POOR
L2-1	COT-MAL LANAO DEL NORTE	L2-B4	MATLING BRIDGE	1934+882	105	7	15+15+15+15+15+15+15	8.9	6.90	0.75	0.75	1984	5	5	OVER FLOWED	RSING	FEW	NONE	NONE	NONE	MUCH	MUCH	NONE	BAO
L2-1	COT-MAL LANAO DEL NORTE	L2-B5	MALADI BRIDGE	1936+864	61	2	31+31	8.2	6.80	0.50	0.50	1984	H20-44	10	STRAIGHT	RSING	FEW	NONE	NONE	FEW	FEW	FEW	NONE	POOR
L2-1	COT-MAL LANAO DEL NORTE	L2-B6	MIONDAS BRIDGE	1937+882	30.9	3	10.45+10+10.45	6.95	6.20	0.45	0.45	1984	H20-44	10	STRAIGHT	RSING	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAIR
L2-1	COT-MAL LANAO DEL NORTE	L2-B7	CARASAN BRIDGE	1938+671	22.6	3	5.3+12+6.3	8.4	6.80	0.50	0.50	1984	H20-44	10	CURVE	RSING	FEW	NONE	POT HOLE	NONE	SCOURED	NONE	NONE	BAO
L2-1	COT-MAL LANAO DEL NORTE	L2-B8	BARAS BRIDGE	1939+911	57	3	12.6+15+15+15	8.3	6.90	0.40	0.40	1984	H20-44	10	STRAIGHT	RSING	FEW	NONE	NONE	FEW	FEW	FEW	NONE	FAIR
L2-1	COT-MAL LANAO DEL NORTE	L2-B9	RAMITAN BRIDGE	1944+225	45.6	3	15+15+15	8.8	7.40	0.45	0.45	1983	H20-44	2	STRAIGHT	RSING	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAIR
L2-1	COT-MAL LANAO DEL NORTE	L2-B10	MALICO BRIDGE	1949+120	57.6	1	57.6	9.7	7.50	0.70	0.70	1983	5	1.5	CURVE	RSING	FEW	NONE	NONE	NONE	FEW	FEW	NONE	FAIR
L2-1	COT-MAL LANAO DEL NORTE	L2-B11	SAMBAYANUN BRIDGE	1950+355	66.7	1	66.7	8.8	7.40	0.45	0.45	1983	H20-44	1	STRAIGHT	RSING	FEW	NONE	NONE	NONE	FEW	FEW	NONE	FAIR
L2-1	COT-MAL LANAO DEL NORTE	L2-B12	LUNGAN BRIDGE	1956+104	83.6	4	20.3+23+20.2+20.3	8.9	7.40	0.45	0.45	1983	H20-44	1	STRAIGHT	RSING	FEW	NONE	NONE	NONE	FEW	FEW	NONE	FAIR
L2-1	COT-MAL LANAO DEL NORTE	L2-B13	DANORI BRIDGE	1963+707	18.6	1	18.6	8.2	6.80	0.40	0.40	1984	H20-44	1	STRAIGHT	RSING	FEW	NONE	NONE	NONE	FEW	FEW	NONE	FAIR
L2-1	COT-MAL LANAO DEL NORTE	L2-B14	PICARASAN BRIDGE	1964+416	24.6	1	24.6	8.3	6.80	0.45	0.45	1984	H20-44	1	STRAIGHT	RSING	FEW	NONE	NONE	NONE	FEW	FEW	NONE	FAIR
L2-1	COT-MAL LANAO DEL NORTE	L2-B15	MAGANDING BRIDGE	1964+760	45.6	3	15-15-15	8.2	6.80	0.40	0.40	1984	H20-44	1	STRAIGHT	RSING	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAIR
L2-1	COT-MAL LANAO DEL NORTE	L2-B16	KABATURAN BRIDGE	1968+774	24.6	1	24.6	8.3	6.80	0.40	0.40	1984	H20-44	1.5	STRAIGHT	RSING	FEW	NONE	NONE	NONE	FEW	FEW	NONE	FAIR
L2-1	COT-MAL LANAO DEL NORTE	L2-B17	MICALABO BRIDGE	1967+994	60.6	4	15.3+15+15+15.3	8.3	6.80	0.45	0.45	1984	H20-44	2	CURVE	RSING	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAIR
L2-2	MARAWI MALABANG ROAD	L2-B18	MALAG BRIDGE	1576+825	15.25	1	15.25	8.7	7.30	0.40	0.40	-	-	2.5	CURVE	UNVARED	FEW	NONE	NONE	FEW CRACKS & DEP	FEW	NO PIER	NONE	FAIR
L2-2	MARAWI MALABANG ROAD	L2-B19	CADAPAN BRIDGE	1980+774	15.25	1	15.25	8.7	7.30	0.40	0.40	-	-	3.5	CURVE	UNVARED	NONE	NONE	FEW CRACKS	FEW	NO PIER	NONE	FAIR	
L2-2	MARAWI MALABANG ROAD	L2-B20	MADAMBA BRIDGE #1	1594+841	14	1	14	8.7	7.30	0.40	0.40	1997	20	1.5	CURVE	UNVARED	NONE	NONE	FEW CRACKS & DEP	FEW	NO PIER	NONE	FAIR	
L2-2	MARAWI MALABANG ROAD	L2-B21	MADAMBA BRIDGE #2	1596+351	28.6	2	14.3+14.30	8.7	7.30	0.40	0.40	1974	H15-44	3.5	CURVE	UNVARED	NONE	NONE	FEW CRACKS	FEW	NO PIER	NONE	FAIR	
L2-2	MARAWI MALABANG ROAD	L2-B22	GANASSI BRIDGE	1598+481	13	2	6.00+7.00	8.7	7.30	0.40	0.40	1984	5	2.5	CURVE	UNVARED	FEW	NONE	FEW CRACKS	MUCH	NONE	NONE	FAIR	
L2-2	MARAWI MALABANG ROAD	L2-B23	CABAYUGAN BRIDGE	1599+721	18	2	9.00+9.00	8.7	7.30	0.40	0.40	1986	20	3	CURVE	UNVARED	NONE	NONE	FEW CRACKS	FEW	NONE	NONE	FAIR	
L2-2	MARAWI MALABANG ROAD	L2-B24	PULAS BRIDGE #1	1602+691	20	2	10.00+10.00	8.7	7.30	0.40	0.40	1986	20	3.5	CURVE	UNVARED	FEW	NONE	FEW CRACKS	FEW	NONE	NONE	FAIR	

SUMMARY OF BRIDGES INVENTORY & CONDITION SURVEY IN ARMIH

Road No.	Name of Road	Bridge No.	Bridge Name	Bridge LoC/Station (Km Post)	Bridge Length (m)	No. of Spans	Span Arrangement (m)	Bridge Width (m)			Year Built	Load Limit (ton)	Hydraulic Condition					Defects					Overall Evaluation		
								Total	Carriageway				Sideroad	Max. Flood Level	River Alignment	River Bed	Debris Flow	Main Girders	Deck Slab	Bridge Surface	Abrutment	Pier		Approach Road	
									L	R															
L2-2	MARAWI-MALBERANG ROAD	L2-B25	GADUNGAN BRIDGE	1604+825	20.4	2	10.7+9.7	8.7	7.30	0.40	0.40	RC GIRDER	1995	20	CURVE	UNVARIED	FEW	NONE	FEW	NONE	FEW	NONE	NONE	FEW DEP	FAIR
L2-3	MASIU-GANASSI ROAD	L2-B26	LUMBAYAN BRIDGE	1609+636	33.5	1	33.5	7.3	7.00	--	--	BAILEY	1978	20	CURVE	RIISING	FEW	FEW CORR	NONE	NONE	FEW	FEW	NONE	NONE	FAIR
Maguindanao I (Sharif Kabunnuan)																									
SK-1	DAVAO-COTABATO ROAD	SK-B1	PANATAN BRIDGE	1716+050	12.5	1	12.5	8.3	6.70	0.50	0.50	RC GIRDER	1961	14	STRAIGHT	UNVARIED	FEW	NONE	FEW	FEW	NONE	NONE	NONE	NONE	FAIR
SK-1	DAVAO-COTABATO ROAD	SK-B2	PICALAGAN BRIDGE	1719+850	15.75	1	15.75	9.4	7.30	0.80	0.80	PC GIRDER	2007	15	CURVE	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	GOOD
SK-3	COTABATO-LANAO ROAD	SK-B3	OURINO BRIDGE	1854+202	162	4	40.70+40.33+40.52+40.88	11.36	7.30	2.0	2.0	STEEL TRUSS	1950	5	STRAIGHT	RIISING	MANY	MUCH	MUCH	NONE	NONE	NONE	NONE	FEW	BAD
SK-3	COTABATO-LANAO ROAD	SK-B4	MICAGULING BRIDGE	1855+283.20	20.3	1	20.3	8.22	6.70	0.8	0.8	RC GIRDER	1956	10	CURVE	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FEW	FAIR
SK-3	COTABATO-LANAO ROAD	SK-B5	SIMUAY BRIDGE	1865+102	247	5	31.14+31.1+31.2+31.1	8.3	7.30	0.5	0.5	RC SLAB	1978	15	STRAIGHT	RIISING	FEW	FEW	FEW	FEW	FEW	FEW	FEW	NONE	FAIR
SK-3	COTABATO-LANAO ROAD	SK-B6	BALUT BRIDGE	1866+764	27.75	1	27.75	9.8	7.50	0.00	0.00	BAILEY	2000	15	STRAIGHT	RIISING	FEW	FEW	FEW	FEW	FEW	FEW	FEW	NONE	FAIR
SK-3	COTABATO-LANAO ROAD	SK-B7	LIBUAN BRIDGE	1872+582.5	15	1	15	9.9	7.40	0.80	0.80	RC GIRDER	1983	15	STRAIGHT	UNVARIED	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAIR
SK-3	COTABATO-LANAO ROAD	SK-B8	BUDAKAN BRIDGE	1876+351	16.3	1	16.3	9.84	7.40	0.0	0.0	BAILEY	--	14	0.5	UNVARIED	UNVARIED	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAIR
SK-3	COTABATO-LANAO ROAD	SK-B9	NIUAN BRIDGE	1877+874.9	37.35	3	10.35+12.0+15.0	8.3	7.30	0.5	0.5	RC GIRDER	--	15	2	STRAIGHT	UNVARIED	FEW	FEW	FEW	FEW	FEW	FEW	FEW	FAIR
SK-3	COTABATO-LANAO ROAD	SK-B10	MICASANDAG BRIDGE	1885+405	15	1	15	8.95	7.35	0.8	0.8	RC GIRDER	--	--	3	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	GOOD
SK-3	COTABATO-LANAO ROAD	SK-B11	BUGASAN BRIDGE	1886+985	S	1	31.3	9.4	7.40	0.7	0.7	STEEL GIRDER	--	--	3	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	POOR
SK-3	COTABATO-LANAO ROAD	SK-B12	SARAKAN BRIDGE	1897+306	27.5	1	27.5	9.75	7.40	0.0	0.0	BAILEY	--	--	2	CURVE	UNVARIED	FEW	NONE	NONE	NONE	NONE	FEW	FAIR	
SK-3	COTABATO-LANAO ROAD	SK-B13	BAYANGA BRIDGE	1900+650	31.25	1	31.25	9.4	7.30	0.8	0.8	STEEL GIRDER	--	--	6	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	POOR
SK-4	SALUBANG-DELTA BRIDGE ROAD	SK-B14	DELTA BRIDGE	1855+894.55	162.23	5	41+41+46+41+41	9.4	7.40	1.0	--	STEEL TRUSS	2007	25	3.5	STRAIGHT	RIISING	MANY	NONE	NONE	NONE	NONE	NONE	NONE	GOOD
SK-6	SIMUAY-LANDASAN ROAD	SK-B15	TAPAYAN BRIDGE	1871+000	13	1	13	10.6	8.23	0.90	0.90	RC GIRDER	--	20	2	STRAIGHT	UNVARIED	FEW	NONE	FEW	NONE	NONE	NONE	NONE	FAIR
SK-6	SIMUAY-LANDASAN ROAD	SK-B16	TAMBO BRIDGE	1871+000	13.72	1	13.72	10.73	8.23	0.95	0.95	RC GIRDER	--	--	2	STRAIGHT	UNVARIED	FEW	NONE	NONE	FEW	NONE	NONE	NONE	FAIR
SK-9	MARBEL-ALA-COTABATO ROAD	SK-B17	BRAR BRIDGE	1821+108.41	26.6	3	8.3 + 10 + 8.3	8.9	7.30	0.80	0.80	RC GIRDER	1968	15	3	CURVE	UNVARIED	FEW	NONE	NONE	FEW	FEW	FEW	NONE	BAD
SK-9	MARBEL-ALA-COTABATO ROAD	SK-B18	DALICAN BRIDGE	1822+077.5	20.6	3	6.30+8.00+6.30	8.9	7.30	0.50	0.50	RC GIRDER	1958	15	5	STRAIGHT	UNVARIED	FEW	NONE	NONE	FEW	FEW	FEW	NONE	FAIR
SK-9	MARBEL-ALA-COTABATO ROAD	SK-B19	KURENTEM BRIDGE	1827+807.5	22.8	3	6.4 + 10 + 6.40	8.9	7.40	0.50	0.50	RC GIRDER	1968	--	1.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	FEW	FEW	FEW	NONE	FAIR
SK-10	AWANG-LIPILEBAK ROAD	SK-B20	LPI BRIDGE	1870+686.7	15.65	1	15.65	9.5	7.50	0.70	0.70	RC GIRDER	--	--	1	CURVE	LOWERING	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAIR
SK-10	AWANG-LIPILEBAK ROAD	SK-B21	NURO BRIDGE 1	1872+525.6	15.6	1	15.6	9.7	7.50	0.75	0.75	RC GIRDER	--	--	OVER FLOWED	CURVE	RIISING	MANY	NONE	NONE	NONE	NONE	NONE	NONE	POOR
SK-10	AWANG-LIPILEBAK ROAD	SK-B22	NURO BRIDGE 2	1873+412.20	15.4	1	15.4	9.7	7.40	0.70	0.70	RC GIRDER	--	--	2	CURVE	LOWERING	FEW	NONE	NONE	NONE	NONE	FEW	FEW	FAIR
SK-10	AWANG-LIPILEBAK ROAD	SK-B23	BORONGOTAN BRIDGE	1876+387.7	20.3	1	20.3	9.6	7.40	0.70	0.70	RC GIRDER	--	--	2	CURVE	LOWERING	FEW	NONE	NONE	NONE	NONE	NONE	MUCH	FAIR
SKP-1	PAPANG-BUDOWBER OF LS (2) ROAD	SK-B24	KALPUAN BRIDGE (SALAM)	--	39	1	1 @ 39	9.8	7.40	0.0	0.0	BAILEY	--	--	2	CURVE	UNVARIED	NONE	NONE	NONE	NONE	NONE	NONE	FEW DEP	FAIR
SKP-1	PAPANG-BUDOWBER OF LS (2) ROAD	SK-B25	AMPUAN BRIDGE (SALAM)	--	40.4	1	1 @ 40.4	9.8	7.40	0.0	0.0	BAILEY	--	--	3	CURVE	UNVARIED	NONE	NONE	NONE	NONE	NONE	NONE	FEW DEP	FAIR
SKP-1	PAPANG-BUDOWBER OF LS (2) ROAD	SK-B26	AMBAL BRIDGE (SALAM)	--	40.8	1	1 @ 40.8	9.8	7.40	0.0	0.0	BAILEY	--	--	3	CURVE	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	FEW DEP	FAIR
SKP-2	TAMONTAKA - TAPIAN ROAD	SK-B27	SPDA BRIDGE	--	15.5	1	15.5	8.3	6.80	0.8	0.8	RC GIRDER	--	15	1	CURVE	LOWERING	FEW	NONE	NONE	NONE	FEW	NO PIER	NONE	FAIR
SKP-2	TAMONTAKA - TAPIAN ROAD	SK-B28	SALAM BRIDGE 1	--	21.3	1	21.3	9.8	7.40	1.2	1.2	BAILEY	--	15	0.5	CURVE	LOWERING	FEW	NONE	NONE	NONE	NONE	NO PIER	NONE	FAIR
SKP-2	TAMONTAKA - TAPIAN ROAD	SK-B29	SALAM BRIDGE 2	--	51.8	1	51.8	9.8	7.40	1.2	1.2	BAILEY	--	15	0.5	CURVE	LOWERING	FEW	NONE	NONE	NONE	NONE	NO PIER	NONE	FAIR
SKP-2	TAMONTAKA - TAPIAN ROAD	SK-B30	SALAM BRIDGE 3	--	12.3	1	12.3	9.8	7.40	1.2	1.2	BAILEY	--	10	1	CURVE	LOWERING	FEW	NONE	NONE	NONE	NONE	NO PIER	NONE	FAIR

SUMMARY OF BRIDGES INVENTORY & CONDITION SURVEY IN ARMM

Road No.	Name of Road	Bridge No.	Bridge Name	Bridge Loc/Station (Km Post)	Bridge Length (m)	No. of Spans	Span Arrangement (m)	Bridge Width (m)			Year Built	Load Limit (ton)	Hydraulic Condition					Defects					Overall Evaluation			
								Total	Sidewalk				River Alignment	River Bed	Debris Flow	Main Girders	Deck Slab	Bridge Surface	Abutment	Pier	Approach Road					
									Carriageway	L												R				
SKp-2	TAMONTAKA - TAPIAN ROAD	SK-B31	SALAM BRIDGE 4	--	33.3	1	33.3	9.8	7.40	1.2	1.2	--	10	1	CURVE	LOWERING	FEW	NONE	NONE	NONE	NONE	NO PIER	NONE	FAR		
SKp-2	TAMONTAKA - TAPIAN ROAD	SK-B32	LINEK BRIDGE	--	30.2	2	14.9+15	8.3	6.80	0.8	0.8	--	20	1	STRAIGHT	LOWERING	MANY	NONE	NONE	NONE	NONE	NO PIER	NONE	FAR		
SKp-5	PNARNG-Simimain ROAD	SK-B33	LIMBO BRIDGE	--	19.1	1	19.1	9.4	7.40	0.70	0.70	--	--	2	CURVE	UNVARIED	FEW	NONE	NONE	NONE	MUCH DAMAGE	NO PIER	NONE	FAR		
SKp-5	PNARNG-Simimain ROAD	SK-B34	SALAM BRIDGE # 1	--	13	1	13	3.9	3.50	--	--	--	15	2	STRAIGHT	UNVARIED	FEW	FEW	NONE	NONE	FEW CRACK AT ABUTMENT	NO PIER	NONE	FAR		
SKp-5	PNARNG-Simimain ROAD	SK-B35	SALAM BRIDGE # 2	--	22	1	22	9.8	7.60	--	--	--	--	1.5	CURVE	UNVARIED	FEW	NONE	NONE	NONE	FEW CRACK	NO PIER	NONE	FAR		
SKp-5	PNARNG-Simimain ROAD	SK-B36	SALAM BRIDGE # 3	--	36.9	1	36.9	9.7	7.50	--	--	--	--	1	STRAIGHT	UNVARIED	FEW	LIGHT CORR	NONE	NONE	FEW CRACK	NO PIER	FEW	FAR		
SKp-5	PNARNG-Simimain ROAD	SK-B37	LOWES PANAYAN (SALAM BRIDGE # 4)	--	6	1	6	7.5	6.00	--	--	--	--	1	STRAIGHT	UNVARIED	FEW	LIGHT CORR	NONE	NONE	NO PIER	NO PIER	NONE	FAR		
SKp-4	DINAG-LUPI PHASE 2	SK-B38	MATUBER BRIDGE	--	39.8	1	39.8	9.8	7.50	1.15	1.15	--	--	5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAR		
SKp-4	DINAG-LUPI PHASE 2	SK-B39	DAROGAO BRIDGE	--	15	1	15	9.1	7.70	0.70	0.70	--	15	5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAR		
Magindanao 2																										
M-1	MARBEL-ALA-COTABATO ROAD	M-B1	KAURAN BRIDGE	1789+285.6	30.6	3	8+14+8	8.9	7.34	0.48	0.48	--	15	1	CURVE	LOWERING	FEW	FEW CRACKS	NONE	NONE	EXPOSED FOUNDATION	LOCAL SCORING	MUCH	POOR		
M-1	MARBEL-ALA-COTABATO ROAD	M-B2	DECALUNGAN BRIDGE	1795+136.22	90.54	5	15+15+15+15+15+14.91	8.9	7.30	0.50	0.50	--	15	1.5	STRAIGHT	LOWERING	MANY	NONE	NONE	NONE	NONE	NONE	NONE	FAR		
M-1	MARBEL-ALA-COTABATO ROAD	M-B3	KABULMAN BRIDGE	1796+037	71.8	4	14.5+18.9+8.9+18.9	9	7.90	0.55	0.55	--	15	0.3	CURVE	LOWERING	MANY	NONE	NONE	NONE	EXPOSED FOUNDATION	EXPOSED FOUNDATION	NONE	BAD		
M-1	MARBEL-ALA-COTABATO ROAD	M-B4	META BRIDGE	1801+398.28	40.39	3	40.39	8.9	7.40	0.46	0.46	--	20	3	CURVE	LOWERING	FEW	NONE	FEW EXPOSED REPAIRS	FEW	NONE	NONE	NONE	BAD		
M-1	MARBEL-ALA-COTABATO ROAD	M-B5	BAGAN BRIDGE II	1809+373	13	2	13	8.94	7.40	0.47	0.47	--	--	2.3	STRAIGHT	NONE	UNVARIED	NONE	NONE	NONE	NONE	NONE	NONE	FAR		
M-1	MARBEL-ALA-COTABATO ROAD	M-B6	BAGAN BRIDGE I	1809+439	32	3	8.2+16+8.20	8.94	7.40	0.47	0.47	--	15	4	CURVE	LOWERING	MANY	UNVARIED	NONE	NONE	EXPOSED FOUNDATION	EXPOSED FOUNDATION	NONE	BAD		
M-1	MARBEL-ALA-COTABATO ROAD	M-B7	TAMUNAN BRIDGE	1813+056	81.4	6	13.5+13.5+13.5+13.5+13.5+13.5	9.6	7.40	0.80	0.80	--	15	4	CURVE	LOWERING	MANY	UNVARIED	NONE	NONE	DAMAGE AT RAILINGS	EXPOSED FOUNDATION	NONE	BAD		
M-2	AWANG-LUPILEBAK BRIDGE	M-B8	STA. FE BRIDGE (KITAREK BRIDGE)	1887+400	21.5	1	21.5	9.8	7.40	1.20	1.20	--	15	2	STRAIGHT	UNVARIED	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR		
M-2	AWANG-LUPILEBAK	M-B9	MALBACAO	1890+018.8	24.7	1	24.7	8.9	7.50	0.75	0.75	--	15	3	STRAIGHT	UNVARIED	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR		
M-2	AWANG-LUPILEBAK	M-B10	TIMANA BRIDGE	1896+285.7	16	1	16	9.3	6.80	0.75	0.75	--	15	3	STRAIGHT	UNVARIED	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR		
M-2	AWANG-LUPILEBAK	M-B11	DARUGAO BRIDGE	1902+769	39.8	2	19.3+19.9	9.6	7.80	0.90	0.90	--	--	5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAR		
M-2	AWANG-LUPILEBAK	M-B12	SINACO BRIDGE	1905+000	18.4	1	18.4	9.3	7.30	0.75	0.75	--	15	5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAR		
M-2	AWANG-LUPILEBAK	M-B13	TRAN BRIDGE	1913+000	83.3	4	20.8+20.8+20.85+20.83	9.3	7.50	0.90	0.90	--	--	4.8	STRAIGHT	UNVARIED	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR	
M-3	DULAWAN-MARBEL ROAD	M-B14	BUAYAN BRIDGE	1716+608.5	6	1	6	8.2	7.40	0.4	0.4	--	15	2.8	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	FEW	FAR		
M-3	DULAWAN-MARBEL ROAD	M-B15	MAGASLONG BRIDGE	1717+425	10.25	1	10.25	8.2	7.40	0.4	0.4	--	15	2	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	FEW	FAR		
M-3	DULAWAN-MARBEL ROAD	M-B16	KAYUNAG BRIDGE	1717+731	24	3	3 + 18 + 3	8.2	7.40	0.4	0.4	--	15	1.8	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	FEW	FAR		
M-3	DULAWAN-MARBEL ROAD	M-B17	LINTUKAN BRIDGE	1718+360.9	37.4	2	18.7+18.7	8.2	7.40	0.4	0.4	--	15	1.2	STRAIGHT	UNVARIED	FEW	FEW	NONE	NONE	NONE	NONE	FEW	BAD		
M-3	DULAWAN-MARBEL ROAD	M-B18	KAKAL BRIDGE	1718+468	43	2	23+20	8.2	7.40	0.4	0.4	--	15	1.2	STRAIGHT	UNVARIED	FEW	FEW	NONE	NONE	NONE	NONE	FEW	POOR		
M-3	DULAWAN-MARBEL ROAD	M-B19	MATLAK BRIDGE	1719+036.8	22	3	3+16+3	8.3	7.40	0.4	0.4	--	15	2	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	FEW CRACKS	NONE	SCORING	FAR		
M-3	DULAWAN-MARBEL ROAD	M-B20	BUTREN BRIDGE	1719+283	45	3	15+15+15	8.2	7.40	0.4	0.4	--	15	2	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	FEW CRACKS	NONE	MUCH	FAR		
M-3	DULAWAN-MARBEL ROAD	M-B21	LIDZNOG BRIDGE	1720+162.05	18	1	18	7.8	7.00	0.4	0.4	--	15	2	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	MUCH	FAR		
M-3	DULAWAN-MARBEL ROAD	M-B22	BUTALO BRIDGE	1720+620.78	37.2	2	18.6+18.6	8.2	7.40	0.4	0.4	--	15	2	STRAIGHT	UNVARIED	FEW	FEW	NONE	NONE	FEW CRACK	NONE	MUCH	BAD		
M-3	DULAWAN-MARBEL ROAD	M-B23	SALAM BRIDGE	--	40	2	(20+20)	9	8.54	0.0	0.0	--	20	1.5	STRAIGHT	LOWERING	FEW	NONE	NONE	NONE	NONE	NONE	NONE	FAR		

SUMMARY OF BRIDGES INVENTORY & CONDITION SURVEY IN ARMM

Road No.	Name of Road	Bridge No.	Bridge Name	Bridge LoC/Station (Km Post)	Bridge Length (m)	No. of Spans	Span Arrangement (m)	Bridge Width (m)			Year Built	Load Limit (ton)	Hydraulic Condition				Defects					Overall Evaluation		
								Total	Carriageway				Max. Flood Level	River Alignment	River Bed	Debris Flow	Main Girders	Deck Slab	Bridge Surface	Abutment	Pier		Approach Road	
									L	R														
M-4	KIDAPAWAN-LA JUNCTION	M-B24	DAMAWATO BRIDGE	1646+292.6	21	1	21	8.36	6.80	0.48	0.48	1968	-	1	CURVE	RSNG.	FEW	NONE	CRACKS	EXPOSED FOUNDATION	NONE	NONE	FAIR	
M-4	KIDAPAWAN-LA JUNCTION	M-B25	ALIP BRIDGE	1650+481.75	51.96	4	11.96+14+14+12	8.34	6.80	0.47	0.47	-	-	1.5	STRAIGHT	LOWERING	FEW	MANY	NONE	NONE	LOCAL SCORING	NONE	NONE	POOR
M-4	KIDAPAWAN-LA JUNCTION	M-B26	BULLUAN BRIDGE	1658+433	61	5	6+15+15+15+10	9	6.80	0.77	0.77	-	-	3	CURVE	LOWERING	NONE	FEW	NONE	NONE	NONE	NONE	NONE	POOR
M-5	KABACANMUNTAWAL-PAGALINSAN RD	M-B27	PAGALINGAN BRIDGE	1570+013	224	9	28+23+23+24+24+24+24+24+24+24	7.1	6.10	0.00	0.00	-	15	3	STRAIGHT	RSNG.	FEW	HEAVY LOST OF PAINT	MANY CRACKS	FEW CRACKS	MANY CRACKS	NONE	NONE	POOR
M-5	KABACANMUNTAWAL-PAGALINSAN RD	M-B28	KAYAGA BRIDGE	1653+434	12.2	1	12.2	8.6	7.00	0.45	0.45	-	14	1	CURVE	RSNG.	NONE	NONE	FEW CRACKS	NONE	NONE	NONE	NONE	FAIR
M-5	KABACANMUNTAWAL-PAGALINSAN RD	M-B29	BULT BRIDGE	1654+104	24.1	3	4+16.1+4	8.6	7.00	0.45	0.45	-	14	1	CURVE	RSNG.	NONE	NONE	FEW CRACKS	NONE	NONE	NONE	NONE	FAIR
M-5	KABACANMUNTAWAL-PAGALINSAN RD	M-B30	PAGAGAWAN BRIDGE	1655+404	6.6	1	6.6	9.4	7.40	0.70	0.70	-	12	1.5	CURVE	RSNG.	FEW	NONE	NONE	NONE	NONE	NONE	NONE	GOOD
M-5	KABACANMUNTAWAL-PAGALINSAN RD	M-B31	TUNGOL BRIDGE # 2	1660+462	108	3	31+46+31	9.4	7.40	0.70	0.70	-	18	1	CURVE	RSNG.	FEW	NONE	FEW CRACKS	NONE	NONE	NONE	NONE	FAIR
M-5	KABACANMUNTAWAL-PAGALINSAN RD	M-B32	TUNGOL BRIDGE # 1	1660+496	18	3	2.25+13.5+2.25	8.4	6.80	0.50	0.50	-	14	0.33	STRAIGHT	RSNG.	FEW	NONE	FEW CRACKS	NONE	NONE	NONE	NONE	FAIR
Basilan																								
B-1	SABELALAMTAN ROAD	B-B1	BILUNGAN BRIDGE	2+879	31.93	1	31.93	8.96	7.30	0.80	0.80	1972	20	3.1	CURVE	UNVARIED	FEW	FEW LINEAR CRACK	FEW CRACKS	NONE	NO PIER	NONE	POOR	
B-1	SABELALAMTAN ROAD	B-B2	BALAGTASAN BRIDGE	9+949	47.04	3	15.95+15.72+15.76	9.80	7.40	0.75	0.75	1970	20	2.2	CURVE	UNVARIED	FEW	FEW	NONE	FEW	NONE	NONE	FAIR	
B-1	SABELALAMTAN ROAD	B-B3	KHIBAN BRIDGE	11+160	12.03	1	12.03	7.86	6.86	-	-	1982	15	3	CURVE	UNVARIED	FEW	FEW CRACKS	FEW CRACKS	NO PIER	NONE	NONE	POOR	
B-1	SABELALAMTAN ROAD	B-B4	MALOONG BRIDGE	15+460	28.05	1	28.05	8.97	7.40	0.78	0.78	1971	15	2.5	CURVE	UNVARIED	NONE	NONE	FEW	NONE	NO PIER	NONE	FAIR	
B-1	SABELA-LAMTAN ROAD	B-B5	GUBAWAN BRIDGE	25+640	36.58	2	14.35+22.23	8.76	7.40	0.68	0.68	1981	15	2	CURVE	UNVARIED	FEW	FEW CRACKS	FEW CRACKS & DEP.	FEW ABT DAMAGE	NONE	NONE	POOR	
B-2	LAMTAN TPO TO TUMAHUBONG ROAD	B-B6	BOHE BASILAN BRIDGE	50+695	31.75	1	31.75	11.27	9.81	-	-	2000	-	3.2	STRAIGHT	UNVARIED	FEW	NONE	NONE	NO PIER	EXP. FOUNDATION	NONE	FAIR	
B-2	LAMTAN TPO TO TUMAHUBONG ROAD	B-B7	MANICAHAN BRIDGE	62+675	24.00	1	24.00	11.27	9.87	-	-	2003	-	2.2	CURVE	UNVARIED	FEW	HEAVY COR.	NONE	NONE	NO PIER	NONE	POOR	
B-2	LAMTAN TPO TO TUMAHUBONG ROAD	B-B8	TUMAHUBONG BRIDGE	64+057	24.38	1	24.38	11.27	9.87	-	-	1999	-	3.1	STRAIGHT	UNVARIED	FEW	LIGHT CORR.	NONE	NONE	NO PIER	NONE	FAIR	
B-4	SABELA-MALUSO ROAD	B-B9	AGUADA BRIDGE	1+144	59.85	3	14.95+14.99+14.92+15	8.35	6.85	0.76	0.75	1969	20	5	STRAIGHT	UNVARIED	FEW	FEW LINEAR CRACK	FEW	FEW	FEW	FEW	POOR	
B-4	SABELA-MALUSO ROAD	B-B10	LUNOT BRIDGE	10+343.5	12.00	2	6+6	7.50	6.50	-	-	1969	10	2	CURVE	UNVARIED	MANY	MANY	FEW	FEW	Exp. Foundation	NONE	POOR	
B-4	SABELA-MALUSO ROAD	B-B11	KUMALARANG BRIDGE	14+838	60.60	3	11.85+36+12.75	9.40	7.60	0.90	0.90	2007	20	2.85	CURVE	UNVARIED	NONE	NONE	NONE	NONE	NONE	NONE	NONE	GOOD
B-4	SABELA-MALUSO ROAD	B-B12	BATUNGAL BRIDGE	23+340	23.82	1	23.82	8.35	6.85	0.76	0.75	1990	15	3.3	CURVE	UNVARIED	FEW	FEW	FEW	FEW	NO PIER	NONE	POOR	
B-4	SABELA-MALUSO ROAD	B-B13	BAJAS BRIDGE	23+970	6.00	1	6.00	7.50	6.50	-	-	1964	15	0.7	STRAIGHT	UNVARIED	MANY	MANY	MANY	NONE	NO PIER	NONE	POOR	
B-4	SABELA-MALUSO ROAD	B-B14	GALAYAN BRIDGE	24+600	24.15	1	24.15	8.38	7.36	0.61	0.61	1980	20	2.5	CURVE	UNVARIED	NONE	FEW CRACKS	FEW	FEW CRACKS & DEP.	NO PIER	NONE	FAIR	
B-4	SABELA-MALUSO ROAD	B-B15	MALUSO BRIDGE	28+360	48.8	1	48.8	9.45	7.85	0.80	0.80	1991	20	2	CURVE	UNVARIED	FEW	NONE	NONE	NONE	NO PIER	NONE	FAIR	
B-5	MALUSO-SINISIP-TUMAHUBONG ROAD	B-B16	ABONG ABONG BRIDGE	37+660	20.60	3	3+14+3	7.56	6.70	0.43	0.43	-	20	2.7	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NO PIER	EXP. FOUNDATION	FAIR	
B-5	MALUSO-SINISIP-TUMAHUBONG ROAD	B-B17	CABCABAN BRIDGE	46+050	23.06	1	23.06	8.75	7.35	0.70	0.70	2005	15	1.6	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	GOOD	
B-5	MALUSO-SINISIP-TUMAHUBONG ROAD	B-B18	LIMBO CANDIS BRIDGE	54+256	39.62	1	39.62	8.83	7.37	-	-	2003	15	1.7	CURVE	UNVARIED	FEW	MINOR CORR.	NONE	NONE	NO PIER	FEW DAMAGES	FAIR	
B-5	MALUSO-SINISIP-TUMAHUBONG ROAD	B-B19	GUEONG BRIDGE	59+650	36.57	1	36.57	8.83	7.37	-	-	2003	15	1.1	CURVE	UNVARIED	FEW	NONE	NONE	NONE	NO PIER	NONE	FAIR	
B-5	MALUSO-SINISIP-TUMAHUBONG ROAD	B-B20	BACING BRIDGE	62+350	34.60	1	34.60	9.20	7.40	-	-	2003	15	1.5	STRAIGHT	UNVARIED	FEW	LIGHT CORR.	NONE	NONE	NO PIER	NONE	FAIR	
Sulu-1																								
S1-1	ROM CAMP ANDRES ROAD	S1-B1	BILAN BRIDGE	21+600	20.4	1	20.4	8.5	6.90	0.80	0.80	1960	-	2	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NO PIER	NONE	FAIR	
S1-1	ROM CAMP ANDRES ROAD	S1-B2	SAPA BUNUAN BRIDGE	24+240	8	1	8	9.4	7.20	1.10	1.10	1960	-	1.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NO PIER	NONE	FAIR	

SUMMARY OF BRIDGES INVENTORY & CONDITION SURVEY IN ARMIH

Road No.	Name of Road	Bridge No.	Bridge Name	Bridge Location (Km Post)	Bridge Length (m)	No. of Spans	Span Arrangement (m)	Bridge Width (m)			Year Built	Load Limit (ton)	Hydraulic Condition					Defects					Overall Evaluation						
								Total	Carriageway	Sidewalk			Max. Flood Level	River Alignment	River Bed	Debris Flow	Main Girders	Deck Slab	Bridge Surface	Abrutment	Pier	Approach Road							
										L														R	River Bed	Debris Flow	Main Girders	Deck Slab	Bridge Surface
S1-2	JCT TMEANGAN-ROMANDIER ROAD	S1-B3	PALAN BRIDGE	10+020	21.35	1	21.35	9.66	7.46	0.00	0.00	2002	--	1.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NO PIER	NONE	GOOD	
S1-2	JCT TMEANGAN-ROMANDIER ROAD	S1-B4	SUMANANG BRIDGE	13+960	9	1	9	8	7.20	0.00	0.00	1968	--	1.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-3	JL. DANANIPARAN-SILANGKAN ROAD	S1-B5	LEGUAN BRIDGE	1+700	24	1	24	8.5	7.00	0.75	0.75	1960	--	1.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-3	JL. DANANIPARAN-SILANGKAN ROAD	S1-B6	LIKUP BRIDGE	10+488	12	1	12	6	4.80	0.60	0.60	1960	--	1.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-3	JL. DANANIPARAN-SILANGKAN ROAD	S1-B7	SAPAH MALAJUM BRIDGE	15+220	30.5	1	30.5	9.7	7.50	0.00	0.00	2002	--	2	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	GOOD
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B8	DUANA BRIDGE	8+790	5	1	5	--	--	--	--	1965	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B9	KAJUNYAN BRIDGE	8+870	6.1	1	6.1	7.35	7.35	0.00	0.00	1957	--	1.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B10	MAGLIBAK BRIDGE	10+250	6.1	1	6.1	7.6	7.60	0.00	0.00	1957	--	1	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B11	TIBONG BONG BRIDGE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B12	KANAGI BRIDGE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B13	LUBLUBAN GADUA BRIDGE	15+010	9	1	9	7.6	6.00	0.00	0.00	1968	--	1	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B14	TALUNG BRIDGE	16+421	6.2	1	6	7	7.00	0.00	0.00	1959	--	2	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B15	BINJANG BRIDGE	17+040	10.2	1	10.2	7.3	6.00	0.65	0.65	1959	--	1.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B16	TUBURAN BRIDGE	17+340	10	1	10	8.1	6.30	0.90	0.90	1959	--	1.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B17	TUMARKIN BRIDGE	17+640	7.8	1	7.8	5.5	5.50	0.00	0.00	1962	--	1.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B18	LUBUKAN BRIDGE	18+110	7	1	6	8	8.00	0.00	0.00	1960	--	1.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B19	UKLAN BRIDGE	19+630	6.6	1	6.6	7.4	6.00	0.70	0.70	1960	--	1	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B20	KANDAJAPAN BRIDGE	20+830	8	1	8	5.6	5.00	0.30	0.30	1960	--	1	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B21	MANUHUL BRIDGE	27+700	15	1	15	8.6	7.00	0.80	0.80	--	--	2	STRAIGHT	LOWERING	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B22	DAURAU BRIDGE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B23	KANDAYUK BRIDGE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
S1-7	JL. O. TAGUBI-TIPEPON ROAD	S1-B24	KANIBING BRIDGE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Sub 2																													
S2-1	ROMANDIER-CAMP ANDRES-TANJU BATO ROAD	S2-B1	LIKUP BRIDGE	31+560	11	1	11	7.8	6.00	0.50	0.50	--	--	2	STRAIGHT	UNVARIED	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S2-1	ROMANDIER-CAMP ANDRES-TANJU BATO ROAD	S2-B2	SAPA VIRAY BRIDGE	34+190	6	1	6	7.5	6.00	--	--	--	--	1	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
S2-2	SEIT TUNGGAL CAMP ANDRES ROAD	S2-B3	PANG BRIDGE #1	42+470	3	1	3	9.5	9.00	--	--	--	--	0.5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	POOR
S2-2	SEIT TUNGGAL CAMP ANDRES ROAD	S2-B4	PANG BRIDGE # 2	43+470	6.6	1	6.6	7.6	7.00	--	--	--	--	1	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
TAWITAWI																													
T-2	BATO-BATO-TARAWAKAN ROAD	T-B1	MAGSAGAO BRIDGE	44+10	7.96	1	7.96	7.56	6.60	0.57	0.57	1966	10	OVER FLOWED	CURVE	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
T-2	BATO-BATO-TARAWAKAN ROAD	T-B2	TARAWAKAN BRIDGE	7+100	12.1	1	12.1	7.94	6.60	0.57	0.57	1968	10	5	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
T-1	BONGAO-PAHUT SANGA-SANGA	T-B3	SUWANGKANG BRIDGE	2+280	18.3	1	18.3	9.84	7.36	0.00	0.00	2000	5	1.2	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	FAR
T-1	BONGAO-PAHUT SANGA-SANGA	T-B4	SANGA-SANGA BRIDGE	8+300	57	2	28.5+28.5	10.2	6.00	1.10	1.10	1984	20	1.2	STRAIGHT	UNVARIED	FEW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	POOR