

APPENDIX 4

BASIC DATA
OF
PROPOSED BRIDGES
AND
SELECTION OF BRIDGES

TABLE 1 DATA OF REQUESTED BRIDGES

NO.	BRIDGE NUMBER	BRIDGE NAME	BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE				SOCIO-ECONOMIC AND TRAFFIC INFORMATION				ENGINEERING INFORMATION				CONSTRUCTION INFORMATION				EVALUATION OF URGENCY FOR BRIDGE REPLACEMENT	TOPOGRAPHIC MAPS	PICTURES	EVALUATION FOR SUBJECT BRIDGES
				LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BARANAWAY	NO. OF AFFECTED POPULATION	MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (ADT)	TRAFFIC COMPOSITION	PURPOSE OF TRIP	TOPOGRAPHIC CONDITION	DEVELOPMENTAL AND HYDROLOGICAL CONDITION	PRESENT CONDITION OF ROAD	CONSTRUCTION MATERIALS AND EQUIPMENT	PRESENT CONDITION OF TRANSPORTATION ROUTE				
11	05-04-02	Calabog Bridge	Km. 318 + 004.50 Bagoing Slang Capabonga Road Capabonga Camarines Norte	18.00	Balby	Damaged	6	19	70,000	Rice, Livestock	Agro and Aquaculture	800	Jeepneys, Trucks, Buses	Transport	Flat	Rocky and Sandy	Good	Crane Drop Hammer Concrete Mixer Lumber Hardwires Aggregates R.S.B.	From Manila to Marikina via MSR * Accessible * Good	Recommended	ok	ok	○
12	05-04-03	Pragsaban Bridge	Km. 315 + 349.30 Bagoing Slang Capabonga Road Capabonga Camarines Norte	18.00	TT	Bad	6	21	84,000	Fish, Corn, Livestock	Agro and Aquaculture	800	Jeepneys, Trucks, Buses	Transport	Flat	Rocky and Sandy	Good	Crane Drop Hammer Concrete Mixer Lumber Hardwires Aggregates R.S.B.	From Manila to Marikina via MSR * Accessible * Good	Recommended High Priority	ok	ok	○
13	05-04-04	Maagpogan Bridge	Km. 330 + 419.60 Bagoing Slang Capabonga Road Capabonga Camarines Norte	18.00	TT	Bad	6	12	46,000	Fish, Corn, Livestock	Agro and Aquaculture	800	Jeepneys, Trucks, Buses	Transport	Flat	Clay	Good	Crane Drop Hammer Concrete Mixer Lumber Hardwires Aggregates R.S.B.	From Manila to Marikina via MSR * Accessible * Good	Recommended	ok	ok	○
14	05-04-05	Kinross Bridge	5.7 Km. from Argueta-Kipaba Malawag Road Nabua, Camarines Sur	18.00	Timber Pl. Br.	Bad	1	6	9,979	Rice, Corn, Livestock	Agro and Aquaculture	20	Light Vehicles and Trucks up to approach only	Transport	Flat	Sandy/Clayey	Bad	Crane Drop Hammer Concrete Mixer Lumber Hardwires Aggregates R.S.B.	Via Argueta-Kipaba Malawag Road, Nabua, Camarines Sur * Accessible * Fair	Recommended	ok	ok	○
15	05-04-06	Terrific Bridge	Km. 32 + 000 Highway Jct. to Terrific Road, Nabua Camarines Sur	42.00	Timber	Bad	10	3	18,000	Rice, Corn, Vegetable	Agro	60	Light Vehicles	Transport	Flat	Sandy	Fair	Crane Drop Hammer Concrete Mixer Delmag Hammer Lumber Hardwires Aggregates R.S.B.	From Pasacao Port to Pasacao Cam. Sur via Highway Jct. to Terrific Road * Accessible * Fair	Recommended	ok	ok	○
16	05-05-05	Serrano Bridge	Km. 3 + 200 From Pasacao Port Serrano-Camarines Pasacao Road Camarines Sur	47.00	TT	Bad	5	4	20,000	Rice, Corn, Copra, Fish, Livestock	Agro and Aquaculture	60	Light Vehicles	Transport	Flat	Sandy	Good	Crane Drop Hammer Concrete Mixer Delmag Hammer Lumber Hardwires Aggregates R.S.B.	From Pasacao Port to Pasacao Cam. Sur via Highway Jct. to Terrific Road * Accessible * Fair	Recommended Very High Priority	ok	ok	○
17	05-05-08	Odison Bridge	Km. 2 + 100 From Pasacao Port Odison-Tigbao Road Pasacao, Camarines Sur	30.00	Balby	Washed Out	10	4	18,000	Rice, Corn, Copra, Livestock	Agro	50	Light and Heavy Vehicles	Transport	Flat	Sandy	Good	Crane Drop Hammer Concrete Mixer Delmag Hammer Lumber Hardwires Aggregates R.S.B.	From Pasacao Port to Pasacao Cam. Sur via Odison-Tigbao Road * Accessible * Good	Recommended High Priority	ok	ok	○
18	05-05-09	Serna Bridge	Km. 26 + 500 From Pasacao Port Matibog-Serna Road Matibog, Camarines Sur	20.00	Timber	Bad	10	3	6,000	Rice, Corn	Agro	30	Passenger Jeeps, Trucks	Transport	Flat	Sandy	Bad	Crane Drop Hammer Concrete Mixer Delmag Hammer Lumber Hardwires Aggregates R.S.B.	From Pasacao Port to Matibog-Serna Road via Matibog Road * Accessible * Fair	Recommended	ok	ok	○
19	05-05-10	Malibog Bridge	Km. 26 + 000 From Pasacao Port Terrific-Malibog Road Matibog, Camarines Sur	34.00	Timber	Bad	10	3	6,000	Rice	Agro	30	Passenger Jeeps, Trucks	Transport	Flat	Sandy	Bad	Crane Drop Hammer Concrete Mixer Delmag Hammer Lumber Hardwires Aggregates R.S.B.	From Pasacao Port to Terrific-Malibog Road via Malibog Road * Accessible * Good	Recommended	ok	ok	○

TABLE-1: DATA OF REQUESTED BRIDGES

NO.	BRIDGE NUMBER	BRIDGE NAME	BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			SOCIO-ECONOMIC AND TRAFFIC INFORMATION				ENGINEERING INFORMATION				CONSTRUCTION INFORMATION			EVALUATION OF URGENCY FOR BRIDGE REPLACEMENT	EVALUATION FOR BULLET BRIDGES				
				LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BARRIAGE	NO. OF AFFECTED POPULATION	NO. OF AFFECTED	MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (ACT)	TRAFFIC COMPOSITION	PURPOSE OF THE BRIDGE	TOPOGRAPHIC CONDITION	GEOLOGICAL CONDITION			HYDROLOGICAL INFORMATION	PRESENT CONDITION OF ROAD ACCESS	CONSTRUCTION OF MATERIALS AND EQUIPMENT	CONSTRUCTION OF ROUTE
20	05-04-01	Duckan Bridge	From San Fernando Port to San Fernando North Rd, Masbate	48.88	Balmy	Bad	3	1	80	Domestic Fish, Agri, Livestock, Rice, Corn, and Agri Livestock	Agro and Livestock	50	Car, Van, Light Vehicle	Transport Passenger, Agri Products	Flat	Stony	MFL = 2.76 NFL = 1.26 HLLW = 0.40	Bad	Crane, Drop Hammer, Concrete Mixer, Cement, Lumber, Aggregate, R.S.B.	From Masbate Port to Dupitan Port	Recommended High Priority	ok	○
21	05-04-02	Mambas Bridge	Km. 28 + 945.50 From Masbate Port Masbate-Aroyo Road Masbate	37.00	Spillway	Fair	10	3 Tower	82,425	Rice, Corn, Livestock	Agro and Livestock	219	Car, Van, Light Vehicle	Transport Passenger, Agri and Livestock Products	Rolling	Clay with Stone	MFL = 18.90 NFL = 14.00 HLL = 12.70 OWL = 12.40	Bad	Crane, Drop Hammer, Concrete Mixer, Cement, Lumber, Aggregate, R.S.B.	From Masbate Port to Mambas (via) passing 5 bridge	Recommended High Priority	ok	○
22	05-04-03	Baldava Bridge	Km. 31 + 980 From Masbate Port Bumbawit-Campayan Road Cawayan, Masbate	17.20	Spillway	Fair	10	2	37,796	Rice, Corn, Livestock	Agro and Livestock	40	Car, Van, Light Vehicle	Transport Passenger, Agri, Agri and Livestock Products	Rolling	Clay	MFL = 10.24 NFL = 84.04	Bad	Crane, Drop Hammer, Concrete Mixer, Cement, Lumber, Aggregate, R.S.B.	From Masbate Port to Mambas (via) passing 21 br. with 5 (two) temporary bridges	Recommended High Priority	ok	○
23	05-04-04	Laning Bridge	Km. 56 + 129.33 From Masbate Port Masbate-Aroyo Road Masbate	36.05	Spillway	Bad	10	2 Tower	53,090	Dom. Corn, Coconut, Livestock	Agro and Livestock	104	Car, Van, Light Vehicle	Transport Passenger, Agri, Agri and Livestock Products	Hilly	Rock	MFL = 8.82 NFL = 11.32 OWL = 8.32	Bad	Crane, Drop Hammer, Concrete Mixer, Cement, Lumber, Aggregate, R.S.B.	From Masbate Port to Lanang (via) passing 13 br. with 5 (four) temporary bridges	Recommended High Priority	ok	○
24	05-04-05	Peter Bridge	Km. 37 + 732.76 From Masbate Port Masbate-Bald Road Masbate	37.00	Balmy	Degraded	3	2 Tower	28,713	Rice, Corn, Livestock	Agro and Livestock	80	Car, Van, Light Vehicle	Transport Passenger, Agri and Livestock Products	Rolling	Clay	MFL = 18.53 NFL = 15.90 OWL = 14.43	Bad	Crane, Drop Hammer, Concrete Mixer, Cement, Lumber, Aggregate, R.S.B.	From Masbate Port to Masbate-Bald Road passing 5 br. with 4 temp. bridges	Recommended High Priority	ok	○
25	05-01-11	Liban-San Roque Br.	Km. 40 + 470 From Dumaguert Port Liban-San Roque Rd. Malinao, Alilan	32.00	Ford	No Existing Bridge (Proposed Project)	20	6	7,000	Rice, Corn, Agri, Coconut, Lumber and Other Primary Products	Agro-Business	27	Light and Heavy Vehicle (For Roads Only)	Transport Passenger, Agri Products	Hilly	Clay w/ stone	MFL = 9.00 NFL = 7.00 OWL = 6.00	Bad	Crane, Drop Hammer, Concrete Mixer, Diesel Hammer, Cement, Lumber, Aggregate, R.S.B.	From Liban Port to Liban	Recommended	ok	○
26	05-01-12	Prob. Malundayon Br.	Km. 33 + 569 From Dumaguert Port Prob. Malundayon-Liban-Ogpan Road Malinao, Alilan	32.00	Ford	No Existing Bridge (Proposed Project)	15	6	4,794	Agri, Coconut, Corn, Agri, Others	Agro-Business	25	Light and Heavy Vehicle (For Roads Only)	Transport Passenger, Agri Products	Hilly	Loam and Clay	MFL = 9.00 NFL = 7.00 OWL = 5.77	Good	Crane, Drop Hammer, Concrete Mixer, Cement, Lumber, Aggregate, R.S.B.	From Liban Port to Malinao	Recommended	ok	○
27	05-01-13	Pangasinan Bridge	Km. 25 + 821 From Dumaguert Port Cayanawan-Libon-Libon Cayanawan-Libon Libon, Alilan	27.00	Ford	No Existing Bridge (Proposed Project)	16	16	16,137	Rice, Corn, Agri, Others	Agro-Business	(No Traffic Counting was Conducted)	Light and Heavy Vehicle (For Roads Only)	Transport Passenger, Agri Products	Hilly	Muddy	MFL = 4.20 m Above Creek Level	None	Crane, Drop Hammer, Concrete Mixer, Cement, Lumber, Aggregate, R.S.B.	From Liban Port to Malinao	Not Recommended	ok	○
28	05-01-21A	Prob. Libatan Bridge	Km. 184 + 889 Malinao National Road Libatan-Cayanawan Rd. Malinao, Alilan	44.00	RCCG (un-finished)	Pier 1 and Abutment B collapsed.	10	2 b/dm. and 1 town	13,082	Agricultural Crops and Pottery	Agro-business	55	Light and Heavy Vehicle (For Roads Only)	Transport Passenger, Agri Products	Hilly	Loam, Clay and Gravel	MFL = 4.03 From Creek Bed	Bad	Crane, Drop Hammer, Concrete Mixer, Cement, Lumber, Aggregate, R.S.B.	From Liban Port to Malinao (via) passing 10 bridge	Recommended	ok	○

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NO.	BRIDGE NUMBER	BRIDGE NAME	BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE										SOCIO ECONOMIC AND TRAFFIC INFORMATION										ENGINEERING INFORMATION				CONSTRUCTION INFORMATION		EVALUATION OF URGENCY FOR BRIDGE REPLACEMENT	TOPO. GRAPHIC MAPS	EVALUATION FOR SUBJECT BRIDGES
				LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BARRANGAY	NO. OF AFFECTED POPULATION	NO. OF MAJOR PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (ADT)	TRAFFIC COMPOSITION	PURPOSE OF THE BRIDGE	TOPO. GRAPHIC CONDITION	LOGICAL CONDITION	HYDROLOGICAL CONDITION	REVIEW	PRESENT CONDITION OF ROAD	EQUIPMENT	CONSTRUCTION MATERIALS	PRESENT CONDITION OF ROUTE	EVALUATION OF URGENCY FOR BRIDGE REPLACEMENT	TOPO. GRAPHIC MAPS								
29	06-03-01	Marcos Bridge	Km. 96 + 100 Sipinahan- Imbug Road Mambuan, Capiz	60.00	Steel Truss	Bad	15	28	30,213	30,213	Agro and Livestock Business	Agro and Livestock Business	Light and Heavy Vehicle	Transport Passenger and Agri Products	Flat	Soil	HVEL = 37.87 LVEL = 31.00 OVEL = 34.43	Good	TM Cranes Drop Hammer Concrete Mixer Diesel Hammer Cement Lumber Herders Aggregate R.S.B.	From Cuzal Port (Rosa) via Rosa Main to site (passing one baby bridge) * Assessable = Good	Recommended High Priority	ok	ok	○								
30	06-03-03	Tumabud Bridge	Km. 75 + 900 Jct. National Road Dumarocillo-San Rafael Road Dumarao, Capiz	31.30	Balkey	Bad	5	34	38,801	38,801	Agro and Livestock Business	Agro and Livestock Business	Light Vehicle	Transport Passenger Agri and Livestock Products	Hilly	Soil	HVEL = 20.21 LVEL = 14.50 OVEL = 13.80	Good	Crane Drop Hammer Concrete Mixer Diesel Hammer Cement Lumber Herders Aggregate R.S.B.	From Cuzal Port (Rosa) via Rosa Main to site (Passing one Baby St.) * Assessable = Good	Recommended High Priority	ok	ok	○								
31	06-03-10A	Codriga Bridge	Km. 73 + 800 Jct. National Road Dumarocillo-San Rafael Road Dumarao, Capiz	27.00	Balkey	Bad	5	3	7,285	7,285	Agro and Livestock Business	Agro and Livestock Business	Light and Heavy Vehicle	Transport Passenger Agri and Livestock Products	Hilly	Soil	HVEL = LVEL = OVEL = 144.16	Good	TM Cranes Drop Hammer Concrete Mixer Diesel Hammer Cement Lumber Herders Aggregate R.S.B.	From Cuzal Port Rosa City to Sta. Ifigenia Area (CEC) Passing City to Sta. Ifigenia Area Lumber Herders Aggregate R.S.B.	Recommended High Priority	ok	ok	X								
32	06-03-11A	Bungos-Lawanan Br	Km. 62 + 100 Bungos-Lawanan Rd Bungos, Dumarao, Capiz	19.00	Ford	Fair	5	2	5,165	5,165	Agro and Livestock Business	Agro and Livestock Business	Light and Heavy Vehicle	Transport Passenger Agri Products	Hilly	Soil	OVL = 73.54	Good	Crane Drop Hammer Concrete Mixer Diesel Hammer Cement Lumber Herders Aggregate R.S.B.	From Cuzal Port Rosa City to Sta. Ifigenia Area (CEC) Passing City to Sta. Ifigenia Area Lumber Herders Aggregate R.S.B.	Recommended	ok	ok	X								
33	06-03-12A	Lawanan Bridge	Km. 63 + 800 Bungos-Lawanan Rd Lawanan, Dumarao, Capiz	90.00	Ford	Collapsed	5	3	6,074	6,074	Agro, Livestock Business	Agro, Livestock Business	Light and Heavy Vehicle	Transport Passenger Agri Products	Hilly	Soil	OVL = 48.78	Good	Crane Drop Hammer Concrete Mixer Lumber Herders Aggregate R.S.B.	From Cuzal Port Rosa City to Sta. Ifigenia Area (CEC) Passing City to Sta. Ifigenia Area Lumber Herders Aggregate R.S.B.	Recommended	ok	ok	X								
34	06-04-01	Dumarao Bridge	Km. 63 + 740 Jct. N. Mt. Alibati-Masayang Road Cuzal City Negros Occidental	12.00	TT	Bad	5	5	26,748	26,748	Agro Business	Agro Business	Light and Heavy Vehicle	Transport Passenger Agri Products	Rolling	Clay	HVEL = 19.28 LVEL = 16.28	Good	Crane Drop Hammer Concrete Mixer Diesel Hammer Cement Lumber Herders Aggregate R.S.B.	From Port of Bacoob City to site * Assessable = Good	Recommended	ok	ok	○								
35	06-04-02	Sangay Bridge	Km. 64 + 360 Jct. N. Mt. Alibati-Masayang Road Cuzal City Negros Occidental	16.30	TT	Bad	5	5	30,510	30,510	Agro Business	Agro Business	Light and Heavy Vehicle	Transport Passenger Agri Products	Rolling	Clay	HVEL = 18.14 LVEL = 16.94	Good	Crane Drop Hammer Concrete Mixer Diesel Hammer Cement Lumber Herders Aggregate R.S.B.	From Port of Bacoob City to site * Assessable = Good	Recommended	ok	ok	○								

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NO.	BRIDGE NUMBER	BRIDGE NAME	BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE				SOCIO-ECONOMIC AND TRAFFIC INFORMATION				ENGINEERING INFORMATION				CONSTRUCTION INFORMATION				EVALUATION OF URGENCY FOR BRIDGE REPLACEMENT	TOPOGRAPHIC MAPS	PICTURES	EVALUATION FOR SUBJECT BRIDGES
				LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BARANGAY	NO. OF AFFECTED POPULATION	MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (ADT)	TRAFFIC COMPOSITION	PURPOSE OF THE BRIDGE	TOPOGRAPHIC CONDITION	HYDROLOGICAL CONDITION	PRESENT CONDITION OF ROAD ACCESS	CONSTRUCTION MATERIALS AND EQUIPMENT	PRESENT CONDITION OF TRANSPORTATION ROUTE				
44	07-00-01	Togonan Bridge Km. 82 + 260 From Port of Togonan City Carmen-Balabon Road Bohol	18.24	Baluy	Bad	10	11	44,823	Rice, Corn, Cassava, Livestock	Agro-business	2,000	Heavy Vehicle	Transport Passenger and Agri Products	Fair	Lowry MWL = 48.43 OML = 48.43	Good	Crane Drop Hammer Concrete Mixer Derrick Hammer Cement Lumber Hardware Aggregates R.S.B.	From Togonan to Togonan Bridge (Sta) via Lacey Carmen-Balabon Road * Accessible * Fair	Recommended	ok	ok	○	
45	07-00-02	Canney Bridge Km. 83 + 400 From Port of Togonan City Carmen-Balabon Road, Bohol	12.70	Timber	Bad	10	11	48,024	Rice, Corn, Cassava, Livestock	Agro-business	2,000	Heavy Vehicle	Transport Passenger and Agri Products	Fair	Lowry MWL = 41.28 OML = 40.93	Good	Crane Drop Hammer Concrete Mixer Derrick Hammer Cement Lumber Hardware Aggregates R.S.B.	From Togonan to Canney Br. (M) via Lacey-Carmen- Balabon Road Passing one Babuy Bridge * Accessible * Fair	Recommended	ok	ok	○	
46	07-00-05	Mald Bridge Km. 84 + 810 From Port of Togonan City Carmen-Daheo Road Bohol	18.280	Baluy	Bad	6	12	26,370	Rice, Corn, Livestock	Agro Business	1,000	Light Vehicle	Transport Passenger and Agri Products	Fair	Lowry MWL = 40.19 OML = 40.98	Fair	Crane Drop Hammer Concrete Mixer Derrick Hammer Cement Lumber Hardware Aggregates R.S.B.	From Togonan Port to Mald Bridge (Sta) via Dalayon- Carmen-Daheo * Accessible * Fair	Recommended	ok	ok	○	
47	07-00-03	Mald Bridge Km. 84 + 810 From Port of Togonan City Alac-Pilar Road Bohol	18.32	Baluy	Bad	20	66	60,820	Rice, Corn, Livestock	Agro (Fishing) Manufacturing Project	145	Light and Heavy Vehicle	Transport Passenger Agri and Live- stock Products	Fair	Clay MWL = 133.38 OML = 131.22	Fair	Crane Drop Hammer Concrete Mixer Derrick Hammer Cement Lumber and Hardw Aggregates R.S.B.	From Jagna Port to Mald Bridge via Bulbone-Alac-Pilar Road	Recommended High Priority	ok	ok	○	
48	07-00-06A	Calubanan Bridge Km. 85 + 328 Alac-Pilar Road Bohol	18.50	Baluy	Bad	20	66	60,820	Rice, Corn, Cassava, Livestock	Agro (Fishing) Manufacturing Project	145	Light and Heavy Vehicle	Transport Passenger Agri and Live- stock Products	Fair	Clay MWL = 134.83 OML = 131.70	Fair	Crane, Drop Hammer, Concrete Mixer, Derrick Hammer, Cement Lumber and Hardw Aggregates R.S.B.	From Jagna Port to Calubanan Bridge via Bulbone-Alac- Pilar Road	Additional Recommended	ok	ok	○	
49	07-00-06A	Maldac Bridge Km. 87 + 150 Jagna-Santa Bulbone Road, Bohol	18.70	Baluy	Bad	8	82	47,800	Rice, Corn, Bananas, Vegetables, Livestock	Agro-business	145	Light and Heavy Vehicle	Transport Passenger Agri and Live- stock Products	Fair	Clay MWL = 84.817 OML = 79.547	Fair	Crane, Drop Hammer, Concrete Mixer, Derrick Hammer, Cement Lumber and Hardw Aggregates R.S.B.	From Jagna Port to Maldac Bridge via Bulbone-Alac-Pilar Road	Additional Recommended	ok	ok	○	
50	07-00-08A	Lubanan Bridge Km. 84 + 481.50 Jagna-Santa Bulbone Road Bohol	18.17	Baluy	Bad	10	1,058	1,058	Rice, Non- trops, Vegeta- bles	Agro-business	180	Light and Heavy Vehicle	Transport Passenger Agri and Live- stock Products	Fair	Clay MWL = 27.845 OML = 26.045	Fair	Crane, Drop Hammer, Concrete Mixer, Derrick Hammer, Cement Lumber and Hardw Aggregates R.S.B.	From Jagna to Lubanan Bridge via Bulbone-Alac-Pilar Road	Additional Recommended	ok	ok	○	
51	07-00-01	Amaban Bridge Km. 87 + 800 Togon-Labuanan Road Cebu	27.88	Baluy	Bad	5	6,172	6,172	Corn, Bananas, Cops, Livestock, Mangrove, Fish	Agro and Fishing	710	Light and Heavy Vehicle	Transport Passenger Fish and Agri Products	Fair	Sandy Clay MWL = 2.50 OML = 0.87	Fair	Crane Concrete Mixer Derrick Hammer Vibrator Cement Lumber Hardware Aggregates Good Logs	From Cebu City Pier to Amaban Bridge via Lugbo High Priority	Recommended High Priority	ok	ok	○	
52	07-00-02	Magpaya Bridge Km. 100 + 271 Togon-Labuanan Road Cebu	24.82	Baluy	Bad	3	81	78,780	Corn, Bananas, Cops, Livestock, Mangrove, Fish	Agro and Fishing	715	Light and Heavy Vehicle	Transport Passenger Fish and Agri Product	Fair	Clay MWL = 2.82 OML = 0.87	Fair	Crane Concrete Mixer Vibrator Cement Lumber Hardware Aggregates Good Logs	From Cebu City Pier to Magpaya Bridge via Lugbo High Priority	Recommended High Priority	ok	ok	○	

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				LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BAY/SPAN	NO. OF AFFECTED POPULATION	NO. OF AFFECTED PRODUCT	MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (ADT)	TRAFFIC COMPOSITION	PURPOSE OF THE BRIDGE	TOPO-GRAPHIC CONDITION	GEO. LOGICAL CONDITION	HYDROLOGICAL CONDITION	PRESENT CONDITION OF ACCESS ROAD			
53	07-05-03	Puella Bridge	Km. 100 + 483 Tambora-Talayan Road Cebu I	81.18	Timber	Bad	11	7	19,888	Corn, Banana, Agri and Pkng	Agro-business	Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	Clay	HWEL = 0.80 AVEL = 0.80 OWEL = 0.80	Good	Crane, Concrete Mixer, Vibrator, Cement, Lumber, Hardware, Aggregates, Coco Logs	From Cebu City Port to storage area (RC) High Priority	ok	ok	
54	07-05-04	Tepes Bridge	Km. 127 + 070 Antonio de Pio Highway Cebu I	22.97	Timber	Bad	5	39	49,620	Corn, Livestock, Mangos, Fish	Agro-business	Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	Clay	HWEL = 3.08 OWEL = 0.18	Fair	Crane, Concrete Mixer, Vibrator, Cement, Lumber, Hardware, Aggregates, Coco Logs	From Cebu City Port to storage area (RC) High Priority	ok	ok	
55	07-05-05	Tambora Bridge	Km. 131 + 248 Antonio de Pio Highway Cebu I	25.96	Timber	Bad	5	30	46,620	Corn, Banana, Agri and Pkng	Agro-business	Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	Sandy Soil	HWEL = 5.18 OWEL = 0.10	Good	Crane, Concrete Mixer, Vibrator, Cement, Lumber, Hardware, Aggregates, Coco Logs	From Cebu City Port to storage area (RC) High Priority	ok	ok	
56	07-05-07A	Banang (Dali) Bridge	Km. 75 + 430 Sagay-Borbon Road, Borbon, Cebu I	14.25	Baluy	Bad	5	19	20,229	Corn, Banana, Livestock, Sugar, Rice	Agro-business	Light and Heavy Vehicles	Transport Passenger and Agri Products	Hilly	Clay	HWEL = 66.40 AVEL = 64.20 OWEL = 64.20	Good	Crane, Drop Hammer, Cement, Lumber, Hardware, Aggregates, Coco Logs	From Cebu City Port to storage area (RC) High Priority	ok	ok	
57	07-05-03	Marabonon Bridge	Km. 90 + 600 Basilagan Road Borbon, Cebu I	21.83	Baluy	Bad	6	7	7,266	Rice, Corn, Livestock, Banana, Furniture	Agri and Commercial Business	Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	Clay	HWEL = 102.24 AVEL = 102.26 OWEL = 98.83 LFL = 87.22	Good	Crane, Drop Hammer, Cement, Lumber, Hardware, Aggregates, R.S.B.	From Port of Cebu to Marabonon-Basilagan Road	ok	ok	
58	07-05-06	Dumog-Balaog Bridge	Km. 12 + 069 Tabonok-Talayan Rd, Talayan, Cebu I	13.7	Spillway	Bad	10	6	27,975	Rice, Corn, Banana, Cassava, Livestock	Agro-business	Light and Heavy Vehicles	Transport Passenger and Agri Products	Slightly Rolling	Organic Soil and Muddy	HWEL = 21.02 AVEL = 20.20 OWEL = 18.00 LVEL = 17.50	Good	Crane, Drop Hammer, Cement, Lumber, Hardware, Aggregates, R.S.B.	From Cebu City Port to storage area (RC) High Priority	ok	ok	
59	07-05-07	Mojon Bridge	Km. 0 + 200 Tabonok-Talayan Road Talayan, Cebu I	30.45	Spillway	Washed Out	10	6	24,084	Rice, Corn, Banana, Cassava, Livestock	Agro-business	Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	Organic Soil and Muddy	HWEL = 21.20 AVEL = 19.82 OWEL = 10.80 LVEL = 10.80	Good	Crane, Drop Hammer, Cement, Lumber, Hardware, Aggregates, R.S.B.	From Cebu City Port to storage area (RC) High Priority	ok	ok	
60	07-05-08A	Mugambur Bridge	Km. 85 + 800 Jct. Basilaganman Road Marabonon, Dumaguete, Cebu I	18.08	Baluy	Bad	6	14	18,411	Rice, Corn, Livestock, Cattle, Vegetables	Agro Business	Light and Heavy Vehicles	Transport Passenger and Agri Products	Rolling	Boulders	HWEL = 102.5 AVEL = 102.26 OWEL = 100.80 LVEL = 88.83	Good	Crane, Drop Hammer, Cement, Lumber, Hardware, Aggregates, R.S.B.	From Cebu City Port to storage area (RC) High Priority	ok	ok	
61	07-05-05	Carandaway-Balugo Bt.	Km. 7 + 886 Carandaway-Balugo Rd Dumaguete City	20.38	Spillway	Ford	10	4	3,150	Coconut, Corn, Banana, Root Crop	Agri and Industrial	Light and Heavy Vehicles	Transport Passenger and Agri Product	Rolling	Sand and Stone	HWEL = 9.21 LVEL = 8.20	Good	Crane, Concrete Mixer, Vibrator, Cement, Lumber, Hardware, Aggregates, Coco Logs	From Dumaguete Port to Jct. Dumaguete-Balugo Road to site	ok	ok	

TABLE-1: DATA OF REQUESTED BRIDGES

NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE					SOCIO-ECONOMIC AND TRAFFIC INFORMATION					ENGINEERING INFORMATION					CONSTRUCTION INFORMATION			EVALUATION OF URGENCY FOR BRIDGE REPLACEMENT	TOPO- GRAPHIC MAPS PICTURE	* EVALUATION FOR SUBJECT BRIDGES
		LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BARRIADAY POPULATION	NO. OF AFFECTED POPULATION	MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (A/D)	TRAFFIC COMPOSITION	PURPOSE OF THE PRODUCTS	TOPO- GRAPHIC CONDITION	LOGICAL CONDITION	HYDROLOGICAL CONDITION	REVIEW CONDITION	PRESENT ACCESS ROAD	CONSTRUCTION MATERIALS AND EQUIPMENT	PRESENT CONDITION OF TRANSPORTATION			
82	27-15-00A Muningo Bridge Km. 28 + 602 Cebu Toledo Inter Rd Cumbuco, Toledo City	19.30	Concrete Arch	Good	3	38	109,384	Copper, Fertilizer, Merch, Coal Mine, Agricultural Products, Livestock	Mining and Agro Business	317	Light and Heavy Vehicles	Alternate Cebu-Toledo	Mountainous Terrain	Bad and Moderate Material LWE = 138.43	MPM = 142.8 OML = 141.1 OMEL = 138.7	Fair	Crane, Drop Hammer, Meier, Concrete Mixer, Cement, Lumber, Sand and Gravel, Aggr- gates	From Port of Ormos to average area (PO) High Priority Cebu to Cebu * Accessible * Fair	ok	ok	○	
83	28-01-01 Anas Bridge Km. 102 + 600 From Port of Ormos City to NewAlvarez and Ground, Road Bran Subprovince	48.40	Baluy	Deteriorated	3	13	40,000	Rice and Coconut	Town Expansion of New	318	Light Vehicles	Transport Passenger and Agri Products	Flat	MPM = 51.27 OML = 48.27 OMEL = 45.72	Fair	Crane Drop Hammer Concrete Mixer Cement, Steel Bar, Lumber, Sand and Gravel, * Accessible * Fair	From Port of Ormos City to site	Recommended	ok	○		
84	28-01-02A Masapogao Bridge Km. 104 + 180 NewAlvarez-Prad Bran Subprovince	13.00	Baluy	Deteriorated/ Displaced	3	38	283,108	Coconut and Rice	Agro-business	202	Light Vehicles	Transport Passenger and Agri Products	Flat	OMEL = 50.41	Fair	Crane, Drop Hammer, Meier, Cement, and Lumber, Herd, * Accessible * Fair	From Port of Ormos City to site	Recommended (High Priority)	ok	○		
85	28-01-02B Masapogao Bridge Km. 104.5 + 240 NewAlvarez-Prad Bran Subprovince	18.00	Baluy	Deteriorated/ Displaced	3	38	28,778	Coconut and Rice	Agro-business	180	Light Vehicles	Transport Passenger and Agri Products	Rolling	OML = 40.86	Fair	Crane, Drop Hammer, Meier, Cement, and Lumber, Herd, * Accessible * Fair	From Port of Ormos City to site	Recommended	ok	○		
86	28-01-03A Macayo Bridge Km. 105 + 340 NewAlvarez-Prad Bran Subprovince	18.00	Baluy	Deteriorated/ Displaced	3	38	23,778	Fish and Coconut	Agro-business	180	Light Vehicles	Transport Passenger and Agri Products	Flat	OML = 55.74	Fair	Crane, Drop Hammer, Meier, Cement, and Lumber, Herd, * Accessible * Fair	From Port of Ormos City to site	Recommended	ok	○		
87	28-01-03B Macayo Bridge Km. 105 + 570 NewAlvarez-Prad Bran Subprovince	15.00	Baluy	Deteriorated/ Displaced	3	36	28,778	Rice, Fish and Coconut	Agro-business	190	Light Vehicles	Transport Passenger and Agri Products	Flat	OMEL = 31.27	Fair	Crane, Drop Hammer, Meier, Cement, and Lumber, Herd, * Accessible * Fair	From Port of Ormos City to site	Recommended	ok	○		
88	28-01-06A Jawanan Bridge Km. 1110 + 620 Cubogayhan-Bilan Bran Subprovince	15.00	Baluy	Deteriorated	3	36	28,778	Rice, Fish and Coconut	Agro-business	210	Light Vehicles	Transport Passenger and Agri Products	Rolling	OML = 47.34	Fair	Crane, Drop Hammer, Meier, Cement, and Lumber, Herd, * Accessible * Fair	From Port of Ormos City to site	Recommended	ok	○		
89	28-01-07A Dapo Bridge Km. 1026 + 270 NewCuburan-Cross Country Road	18.00	TT	Deteriorated	3	43	47,860	Rice, Fish and Coconut	Agro-business	150	Light Vehicles	Transport Passenger and Agri Products	Rolling	OMEL = 48.72	Fair	Crane, Drop Hammer, Meier, Cement, and Lumber, Herd, * Accessible * Fair	From Port of Ormos City to site	Recommended	ok	○		
70	28-01-08A Quanon Bridge Km. 1026 + 450 NewCuburan-Cross Country Road	18.00	TT	Deteriorated	3	43	47,860	Rice, Fish and Coconut	Agro-business	150	Light Vehicles	Transport Passenger and Agri Products	Rolling	OMEL = 43.57	Fair	Crane, Drop Hammer, Meier, Cement, and Lumber, Herd, * Accessible * Fair	From Port of Ormos City to site	Recommended	ok	○		
71	28-01-09A Macopa Bridge Km. 1037 + 070 NewCuburan-Cross Country Road	15.00	TT	Deteriorated	3	43	47,860	Rice, Fish and Coconut	Agro-business	180	Light Vehicles	Transport Passenger and Agri Products	Rolling	OML = 83.22	Fair	Crane, Drop Hammer, Meier, Cement, and Lumber, Herd, * Accessible * Fair	From Port of Ormos City to site	Recommended	ok	○		
72	28-02-00A Cunaming Bridge Km. 24 + 480 Carpina-Sanugo Road Laysa	84.00	Timber	Good	3	70	63,988	Rice, Corn, Fish and Coconut and Goatmeat	Agro-business	110	Light and Heavy Vehicles	Transport Farm Products to Market	Flat	OML = 52.77	Good	Crane Pile Hammer Sawing, Cement, Sand, Gravel, Lumber * Accessible * Fair	From Port of Toledo to site Passing Tubbataha- Pass-Carpina- Sanugo Road	Recommended	ok	X		
73	28-02-02A Nanogao Bridge Km. 31 + 700 Carpina-Sanugo Road Laysa	120.00	Baluy	Good	0	76	63,988	Rice, Corn, Fish, Cocon and other Farm Products	Agro-business	110	Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	OML = 15.34	Good	Crane Pile Hammer Sawing, Cement, Sand, Gravel, Lumber * Accessible * Fair	From Port of Toledo to site Passing Tubbataha- Pass-Carpina- Sanugo Road	Recommended	ok	X		

TABLE-1 DATA OF REQUESTED BRIDGES

NO.	BRIDGE NUMBER	BRIDGE NAME	BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE				SOCIO-ECONOMIC AND TRAFFIC INFORMATION				ENGINEERING INFORMATION				CONSTRUCTION INFORMATION				EVALUATION FOR URGENCY FOR BRIDGE REPLACEMENT (High Priority)	TOPOG. GRAPHIC MAPS	PICTURES	EVALUATION FOR SUBJECT BRIDGES	
				LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BARANGAY	NO. OF AFFECTED POPULATION	NO. OF MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC COMPOSITION	PURPOSE OF THE PRODUCT	TOPOG. GRAPHIC CONDITION	DEO-LOGICAL CONDITION	RIVER HYDROLOGICAL CONDITION	PRESENT CONDITION OF ACCESS ROAD	PRESENT CONSTRUCTION OF MATERIALS AND EQUIPMENT	CONSTRUCTION OF TRANSPORTATION ROUTE					
74	00-03-06A	Sepulchro Bridge Km. 140 + 348	Marikina City, San Miguel Road, Leyte II	48.00	Balky	Good	3	67	42,227	Rice, Corn, Fish, Cattle and other Farm Products	Agro	186	Light and Heavy Vehicles	Transport to Market	Flat	Sandy Sherry	QWL = 40.11	Good	Crane, Pick Hammer, Sand and Gravel, Lumber	From Port of Tubigon to site passing Tubigon-Palabangan, San Miguel, Babatragon Road	* Accessible * Good	ok	ok	X
75	00-03-01	Campopos Bridge Km. 1004 + 813	Talanga-Villaba, Puloon Road, Leyte II	28.58	Balky	Deteriorated	3	12	15,200	Rice, Corn, Fish and Livestock	Agro Business	274	Light, Jeep and Cars, Heavy, Bus, Van, Trucks	Transport Passenger and Agri Products	Flat	Muddy	MVEL = 10.20 MVEL = 13.86 LVEL = 12.86 QWEL = 12.43	Fair	Crane, Drop Hammer, Concrete Mixer, Dething Hammer, Cement, Lumber and Hardware, C and F Aggregate	From Port of Calubian to site	* Accessible * Good (Flashing 18 Temp. Bridges)	ok	ok	O
76	00-03-02	Talanga Bridge Km. 1000 + 860	Talanga-Villaba, Puloon Road, Leyte II	30.00	Balky	Deteriorated	3	14	16,600	Rice, Corn, Fish and Livestock	Agro Business	274	Light, Jeep and Cars, Heavy, Bus, Van, Trucks	Transport Passenger and Agri Products	Flat	Muddy	MVEL = 8.78 MVEL = 6.08 LVEL = 4.64 QWEL = 4.13	Fair	Crane, Drop Hammer, Concrete Mixer, Dething Hammer, Cement, Lumber and Hardware, C and F Aggregate	From Port of Calubian to site	* Accessible * Good (Flashing 18 Temp. Bridges)	ok	ok	O
77	00-03-03	Band Bridge Km. 1024 + 900	San Pedro-Talanga, Villaba Road, Leyte II	33.23	Timber	Deteriorated	3	13	12,300	Rice, Corn, Fish and Livestock	Agro Business	274	Light, Jeep and Cars, Heavy, Bus, Van, Trucks	Transport Passenger and Agri Products	Flat	Muddy	MVEL = 10.21 MVEL = 8.45 LVEL = 7.81 QWEL = 7.41	Fair	Crane, Drop Hammer, Concrete Mixer, Dething Hammer, Cement, Lumber and Hardware, C and F Aggregate	From Port of Calubian to site	* Accessible * Good (Flashing 12 Temp. Bridges)	ok	ok	O
78	00-03-04	Elizabeth Bridge Km. 954 + 820	Limon-Sambolawan, Calape-Calaban Road, Leyte II	43.56	Balky	Deteriorated	3	7	14,000	Rice, Coconut and Bangas and Fish ponds	Agro Business	138	Light Vehicle	Transport Passenger and Agri Products	Flat	Earth and Clay	MVEL = 60.00 MVEL = 47.00 LVEL = 48.00 QWEL = 44.427	Fair	Crane, Drop Hammer, Concrete Mixer, Cement, Steel, Lumber, Gravel, and Sand	From Port of Ormoc City to site	* Accessible * Fair (Flashing 3 Temp. Bridges)	ok	ok	O
79	00-03-06A	Magpoo Bridge Km. 1000 + 810	Libango-Malagob-Puloon Road, Leyte II	26.00	Balky	Deteriorated	3	17	9,300	Rice, Corn, Sugarcane, Livestock and Coconut	Agro-business	420	Light and Heavy Vehicle	Transport Passenger and Agri Products	Flat	Muddy	QWEL = 23.34	Fair	Crane, Drop Hammer, Concrete Mixer, Cement, Hardware and Aggregate	From Port of Ormoc City to site	* Accessible * Fair	ok	ok	O
80	00-03-07A	Naturzan Bridge Km. 1010 + 690	Culaban-San Pedro-Talanga-Villaba, Puloon Road, Leyte II	16.40	Balky	Deteriorated	3	20	16,400	Rice, Corn, Sugarcane, Livestock and Coconut	Agro-business	274	Light and Heavy Vehicle	Transport of Farm Products	Mountainous	Muddy	QWEL = 61.87	Fair	Crane, Drop Hammer, Concrete Mixer, Cement, Hardware and Aggregate	From Port of Ormoc City to site	* Accessible * Fair	ok	ok	O
81	00-03-06A	Caulanan Bridge Km. 24 + 360	Culaban-San Pedro-Talanga-Villaba, Puloon Road, Leyte II	23.00	Balky	Deteriorated	3	17	13,000	Rice, Corn, Sugarcane, Livestock and Coconut	Agro-business	274	Light and Heavy Vehicle	Transport of Farm Products	Rolling	Muddy	QWEL = 40.38	Fair	Crane, Drop Hammer, Concrete Mixer, Cement, Hardware and Aggregate	From Port of Ormoc City to site	* Accessible * Fair	ok	ok	O
82	00-03-01A	Malapao Bridge Km. 75 + 102	Abuyog-Silago Road, Leyte III	24.20	TT	Displaced	25	16	7,195	Rice, Corn, Fish, Cattle, Cows, Molasses and other Farm Products	Food Milling	339	Light and Heavy Vehicle	Transport of all Products	Rolling	Recent Alluvium	Lumber Flow		Crane, Pick Hammer, Lumber, Sand/Gravel	From Port of Baybay to site passing Baybay-Abuyog Rd and Abuyog-Silago Road	* Accessible * Fair	ok	ok	O

TABLE-1 DATA OF REQUESTED BRIDGES

NO.	BRIDGE NUMBER	BRIDGE NAME	BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE				SOCIO-ECONOMIC AND TRAFFIC INFORMATION				ENGINEERING INFORMATION				CONSTRUCTION INFORMATION			EVALUATION OF URGENCY FOR BRIDGE REPLACEMENT	TOPO-GRAPHIC MAPS	PICTURES	EVALUATION FOR SUBJECT BRIDGES		
				LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BARRIAGE POPULATION	NO. OF AFFECTED POPULATION	MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (ADT)	TRAFIC COMPOSITION	PURPOSE OF TRAFFIC	TOPO-GRAPHIC CONDITION	GEO. LOGICAL CONDITION	HYDROLOGICAL CONDITION	RYEN ACCESS ROAD					PRESENT CONDITION OF MATERIALS AND EQUIPMENT	CONSTRUCTION OF ROUTE
83	08-04-02A	Mahagna Bridge	Km. 82 + 204 Abyyog-Salego Road Lays II	18.00	Balky	Damaged	25	18	7,198	Rice, Corn, Fish, Cassava, Copra, Molasses, and other Farm Products	Food Milling	338	Light and Heavy Vehicles	Transport Farm Products	Hilly/ Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	From Port of Baybay to site passing Baybay-Abyyog Rd. and Abyyog-Salego Road	Recommended	-	ok	X
84	08-04-02A	Capulo Bridge	Km. 81 + 421 Abyyog-Salego Road Lays II	18.00	TT	Damaged	25	18	7,198	Rice, Corn, Fish, Cassava, Copra, Molasses, and other Farm Products	Food Milling	338	Light and Heavy Vehicles	Transport Farm Products	Hilly/ Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	From Port of Baybay to site passing Baybay-Abyyog Rd. and Abyyog-Salego Road	Recommended	ok	ok	O
85	08-04-04A	Cagnona Bridge	Km. 83 + 117 Abyyog-Salego Road Lays III	18.00	Balky	Damaged	25	16	7,198	Rice, Corn, Fish, Cassava, Copra, Molasses, and other Farm Products	Food Milling	338	Light and Heavy Vehicles	Transport Farm Products	Hilly/ Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	From Port of Baybay to site passing Baybay-Abyyog Rd. and Abyyog-Salego Road	Recommended	-	-	X
86	08-04-05A	Minaño II Bridge	Km. 84 + 205 Abyyog-Salego Road Lays III	18.00	Balky	Damaged	25	16	7,198	Rice, Corn, Fish, Cassava, Copra, Molasses, and other Farm Products	Food Milling	338	Light and Heavy Vehicles	Transport Farm Products	Hilly/ Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	From Port of Baybay to site passing Baybay-Abyyog Rd. and Abyyog-Salego Road	Recommended	-	-	X
87	08-04-06A	Minaño II Bridge	Km. 84 + 280 Abyyog-Salego Road Lays III	18.00	Balky	Damaged	25	10	7,198	Rice, Corn, Fish, Cassava, Copra, Molasses, and other Farm Products	Food Milling	338	Light and Heavy Vehicles	Transport Farm Products	Hilly/ Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	From Port of Baybay to site passing Baybay-Abyyog Rd. and Abyyog-Salego Road	Recommended	-	-	X
88	08-04-07A	Mage Bridge	Km. 85 + 205 Abyyog-Salego Road Lays III	18.00	Balky	Damaged	25	16	7,198	Rice, Corn, Fish, Cassava, Copra, Molasses, and other Farm Products	Food Milling	338	Light and Heavy Vehicles	Transport Farm Products	Hilly/ Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	From Port of Baybay to site passing Baybay-Abyyog Rd. and Abyyog-Salego Road	Recommended	-	-	X
89	08-04-08A	Mallanga Bridge	Km. 86 + 280 Abyyog-Salego Road Lays III	30.00	Balky	Damaged	25	16	7,198	Rice, Corn, Fish, Cassava, Copra, Molasses, and other Farm Products	Food Milling	338	Light and Heavy Vehicles	Transport Farm Products	Hilly/ Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	From Port of Baybay to site passing Baybay-Abyyog Rd. and Abyyog-Salego Road	Recommended	-	-	X
90	08-04-09A	Mabugonon Bridge	Km. 89 + 480 Abyyog-Salego Road Lays III	18.00	Balky	Damaged	25	16	7,198	Rice, Corn, Fish, Cassava, Copra, Molasses, and other Farm Products	Food Milling	338	Light and Heavy Vehicles	Transport Farm Products	Hilly/ Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	From Port of Baybay to site passing Baybay-Abyyog Rd. and Abyyog-Salego Road	Recommended	-	-	X
91	08-04-10A	Primon Bridge	Km. 90 + 000 Mabugonon-Salego Lays III	40.00	Balky	Damaged	25	6	7,288	Rice, Corn, Fish, Cassava, Flour Processing and Utilization and Shale	Cassava Food Milling	60	Light and Heavy Vehicles	Transport Farm Products	Hilly/ Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	From Port of Baybay to site passing Hongos to site passing Mabugonon Road	Recommended	-	-	X

TABLE 1 DATA OF REQUESTED BRIDGES

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NO.	BRIDGE NUMBER	BRIDGE NAME	BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			SOCIO ECONOMIC AND TRAFFIC INFORMATION				ENGINEERING INFORMATION				CONSTRUCTION INFORMATION			EVALUATION OF URGENCY FOR BRIDGE REPLACEMENT	TOPO. GRAPHIC MAPS	PICTURES	EVALUATION FOR SUBJECT BRIDGES		
				LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BAMBANGAY	NO. OF AFFECTED POPULATION	MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (AVT)	TRAFFIC COMPOSITION	PURPOSE OF TRIP	TOPO. GRAPHIC CONDITION	GEO. LOGICAL CONDITION	HYDROLOGICAL CONDITION					PREBERT CONDITION OF ACCESS ROAD	CONSTRUCTION MATERIALS AND EQUIPMENT
82	08-04-11A	Bangabayan Bridge	Km. 1101 + 800 Makuhay-Hibngos Layla III	20.00	R/C	Displaced	20	6	7286	Rice, Corn, Fish, Cashews, Bona Mad and Shale	Cassava Flour Processing and Utilization	43	Light and Heavy Vehicles	Transport Farm Products	Present Album	Lumber Flow	Fair	Cross Pile Hammer Lumber Saw/Cranel	From Port of Hibngos to site passing Makuhay- Hibngos Road * Accessible * Fair	Recommended	*	ok	X
83	08-07-08A	Bangon Bridge	Km. 886 + 176 Dalongon-Baay Road Samar	24.00	Timber	Displaced	20	25	12,800	Rice, Corn, Cashews, Copra and Camote	Food Milling	120	Light and Heavy Vehicles	Transport Farm Products	Present Album	Lumber Flow	Fair	Cross Pile Hammer Lumber Saw/Cranel	Catolagan-Baay Road * Accessible * Fair	Recommended (High Priority)	ok	ok	O

* NOTE:
O - SELECTED BRIDGES (TABLE 2)
X - NOT INCLUDED/SELECTED BRIDGES

TABLE 1: DATA OF REQUESTED ADDITIONAL BRIDGES

NO.	BRIDGE NUMBER	BRIDGE NAME	BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE				SOCIO-ECONOMIC AND TRAFFIC INFORMATION					ENGINEERING INFORMATION					CONSTRUCTION INFORMATION			EVALUATION OF BRIDGE REPLACEMENT	TOPOGRAPHIC MAP	PICTURES	EVALUATION FOR SUBJECT BRIDGES
				LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED SUBMARGAY	NO. OF AFFECTED POPULATION	MANUFACTURE PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (VMT)	TRAFFIC COMPOSITION	PURPOSE OF THE BRIDGE	TOPOGRAPHIC CONDITION	LOGICAL CONDITION	HYDROLOGICAL CONDITION	PRESENT CONDITION OF ACCESS ROADS	CONSTRUCTION MATERIALS AND EQUIPMENT	CONSTRUCTION OF TRANSPORTATION ROUTE				
01	00-00-04	Banquerhan Bridge	Km. 867 + 023.80 Oued-Berakeloum Banquerhan Road Banquerhan, Banquerhan	80.00	RCCO	Bad	5	24	18,000	Copra, Rice, Beans	Agro Handicraft	200	Jeep, Cargo Truck, Buses, Delivery Truck	Transport Consumer Agri Products	Flat	Swampy Muddy	UFL = 0.90 MFL = 1.20	Good	Crane, Drop Hammer, Concrete Mixer, Lumber, Hardwears, Aggr-gates	From Banquerhan, Part Via Oued-Berakeloum	Very High Priority	ok	ok	○
02	00-04-00	Lamao Bridge	Lamao Bridge	20.00	Timber	Bad	10	5	25,000	Rice, Corn, Livestock	Agro-business	80	Light Vehicles	Transport Consumer Agri Products	Hilly	Swampy Muddy	UFL = 47.35	Fair	Crane, Drop Hammer, Concrete Mixer, Lumber, Hardwears, Aggr-gates, R.S.B.	Asseable	Recommended	ok	ok	×
03	00-00-01	Sarabadi Bridge	Km. 454 + 000 Bueh-Jong Road Bueh-Jong Road Bueh-Jong Road	180.00	RCCO	Good	20	18	24,384	Rice, Corn, Copra, Fish, Meats	Agro and Aquac	108	Jeepneys, Trucks, Others	Transport Consumer Agri and Aquac Products	Flat	Clay/Sand	UFL = 11.20 MFL = 13.17	Good	Crane, Drop Hammer, Concrete Mixer, Lumber, Hardwears, Aggr-gates, R.S.B.	Via Bueh-Jong	Not Recommended	ok	ok	○
04	00-00-02	Pugay Bridge	1.5 km. from San Jose Junction, San Jose Subogon Road San Jose, Camarines Sur	40.00	Spillway	Demolished	10	9	9,272	Rice, Fish	Agro and Aquac	80	Jeepneys, Trucks, Others	Transport Consumer Agri and Aquac Products	Rolling	Gravelly/Sandy	UFL = 18.83 LVL = 18.40 OHL = 18.48	Good	Crane, Drop Hammer, Concrete Mixer, Lumber, Hardwears, Aggr-gates, R.S.B.	Via San Jose	Not Recommended	ok	ok	○
05	00-00-06	Sto. Nino Bridge	Km. 25 + 000 From Pasacao-Pob. Antipol-Hobor Subogon Road Marikina, Camarines Sur	12.00	RCCO	Good	10	6	20,000	Rice, Corn, Copra, Forest Product	Agro	100	Jeepneys and Trucks	Transport Consumer, Agri and Forest Products	Flat	Rocky	UFL = 17.88 OHL = 14.28	Fair	Crane, Drop Hammer, Concrete Mixer, Deling Sur to Km. 25 + 000	From Pasacao	Not Recommended	ok	ok	○
06	00-00-01	Belet Bridge	Km. 5 + 160 From MSR High-Bun Road Subogon, Ilog City	31.00	Concrete Arch	Fair	10	39	59,000	Cocunut, Rice, Corn, Fish	Agro and Aquac	840	Car, Jeepney, Buses, Trucks & Trailers	Transport Passenger, Agri, Aquac and Livestock Products	Hilly	Sandy	UFL = 1.70 MFL = 0.80 LVL = 0.70 OHL = 0.20	Good	Crane, Drop Hammer, Concrete Mixer, Lumber, Aggr-gates	From Marikina Via	Recommended	ok	ok	○
07	00-00-01	Cagpaong Bridge	Km. 558 + 150 Cagpaong-Daraga-Sogoy Cagpaong-San Francisco Road Logical City	12.00	Timber	Bad	5	6	8,000	Copra, Rice, Fish, Livestock	Agro, Aquac and Livestock	200	Jeepneys, Cabs & Trucks	Transport Passenger, Agri and Livestock Products	Clay	Rocky/Mountainous	UFL = 288.8 MFL = 288.7 LVL = 288.3 OHL = 288.5	Fair	Crane, Drop Hammer, Concrete Mixer, Lumber, Aggr-gates	From Logical City to Cagpaong Br.	Recommended/High Priority	ok	ok	○
08	00-01-01	Tambak Bridge	Km. 182 + 200 Near Washington-Kalibo National Road New Washington, Alilan	45.00	RCCO	Bad	15	2	61,808	Fish and Marine Products	Agro, Marine Business	778	Light and Heavy Vehicles	Transport Passenger, Aquac Products	Flat	Sandy	UFL = 8.00 OHL = 8.00 OHL = 5.00	Good	Crane, Drop Hammer, Concrete Mixer, Diesel Hammer, Cement Lumber, Hardwears, Aggr-gates, R.S.B.	From Ilog City	Recommended/High Priority	ok	ok	○
09	00-01-05	Agabao Bridge	Km. 32 + 058 From Damagat Port Agabao-Pudolom Alilan	18.00	RCS	Good	15	2	2283	Copra, Rice, Agri and Aquac products	Agro and Aquac, Agri and Aquac Products	28	Light Vehicles	Transport Passenger, Agri and Aquac Products	Hilly	Sand Gravel	UFL = 6.20 MFL = 6.20 OHL = 6.20	Good	Crane, Drop Hammer, Concrete Mixer, Diesel Hammer, Cement Lumber, Hardwears, Aggr-gates, R.S.B.	From Ilog City	Not Recommended	ok	ok	○
10	00-01-14	Calangbang-Canglog Bridge	Km. 128 + 801.05 Canglog-Canglog Road Malabon, Alilan	5.00	RPC (2 berri)	Fair	10	3 bldg. and 1 Town	14,284	Agricultural Products	Agro-business	55	Light and Heavy Vehicles	Transport Passenger Agri Products	Hilly	Lamin. Clay and Gravel	UFL = 6.20 MFL = 6.20 OHL = 6.20	Good	Crane, Drop Hammer, Concrete Mixer, Diesel Hammer, Cement Lumber, Hardwears, Aggr-gates, R.S.B.	From Ilog City to	Recommended	ok	ok	○
11	00-01-16	Tipas Bridge	Km. 106 + 118 Merap National Road Calo-Tigao Road Malabon-Alilan	6.00	Timber Foot Bridge	Bad	1	1 bldg. and 1 town	3,714	Rice, Marine Products	Agro and Aquac Marine Products	10	None	Transport Passenger, Agri Products	Flat	Muddy	UFL = 5.00 MFL = 5.00 OHL = 5.00	Bad	Crane, Drop Hammer, Concrete Mixer, Diesel Hammer, Cement Lumber, Hardwears, Aggr-gates, R.S.B.	From Ilog City to	Not Recommended	ok	ok	○

TABLE 1. DATA OF REQUESTED ADDITIONAL BRIDGES

NO.	BRIDGE NUMBER	BRIDGE NAME	BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE				SOCIO-ECONOMIC AND TRAFFIC INFORMATION				ENGINEERING INFORMATION				CONSTRUCTION INFORMATION				EVALUATION OF URGENCY FOR BRIDGE REPLACEMENT	TOPO-GRAPHIC MAP	PICTURES	EVALUATION FOR SUBJECT BRIDGES
				LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BARRIAGE	NO. OF AFFECTED POPULATION	MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC COMPOSITION	PURPOSE OF THE BRIDGE	TOPO-GRAPHIC CONDITION	GEO-LOGICAL CONDITION	RIVER AND HYDROLOGICAL DATA	PRESENT CONDITION OF ROAD	CONSTRUCTION MATERIALS AND EQUIPMENT	PRECEDENT TRANSPORTATION ROUTE				
12	08-01-17	Kabulan Bridge	Km. 248 + 878.77 Maly-Kabulan Road Maly, Adm	47	Ford	Passable	18	3	1800	Rice, Copra, Nonagri, Corn	Agro Business	22 Light and Heavy Vehicles For Roads (Only)	Transport Passenger and Agri Products	Rolling	Bandy Clay	HFL = 25.0 m From river bed	Bad	Crane, Drop Hammer, Concrete Mixer, Diesel Hammer, Cement, Lumber, Hardware, Aggregate, R.S.B. etc. Bailey type. H-rolled bridge	From 1800 Port to Storage Area (DEO) Kabilo to Conet, Bay	Recommended	ok	ok	○
13	08-03-04	Suypan Bridge	Km. 101 + 400 Cabo-Man-Milan Rd. Manay, Capiz	22.30	Bayley	Bad	16	16	21,610	Rice, Vegetables, Coconut, Fish	Agro and Aqua Products	356 Light Vehicles	Transport Passenger and Agri Products	Flat	Soil	HWEI = 18.82 LWE = 16.00 OWE = 18.50	Good	Crane, Drop Hammer, Concrete Mixer, Diesel Hammer, Cement, Lumber, Hardware, Aggregate, R.S.B. etc. Bailey type. H-rolled bridge	From 1800 Port to Storage Area (DEO) Kabilo to Conet, Bay	Recommended	ok	ok	○
14	08-03-07	Mauand Bridge	Km. 108 + 700 Castellan Road Sayan, Capiz	26.00	Bayley	Bad	15	10	22,011	Rice, Fruit, Coconut, Sugarcane	Agro Business	528 Light Vehicles	Transport Passenger and Agri Products	Flat	Soil	HFL = 19.81 LFL = 17.85	Fair	Crane, Drop Hammer, Concrete Mixer, Diesel Hammer, Cement, Lumber, Hardware, Aggregate, R.S.B. etc. Bailey type. H-rolled bridge	From 1800 Port to Storage Area (DEO) Kabilo to Conet, Bay	Recommended	ok	ok	○
15	08-04-04	Pedron Bridge	Km. 38 + 500 Benedict-Munoz-S. Boundary Negros Occidental	12.27	Bayley	Bad	8	10	14,330	Fruit Trees, Corn, Coconut, Livestock, Sugarcane, Pineapple	Agro Business	250 Light and Heavy Vehicles	Transport Passenger and Agri Products	Mountainous	Rocky	MHWEL = 425.08 HWEI = 404.80 LWE = 424.20 OWE = 423.70	Good	Crane, Drop Hammer, Concrete Mixer, Diesel Hammer, Cement, Lumber, Hardware, Aggregate, R.S.B. etc. Bailey type. H-rolled bridge	From 1800 Port to Storage Area (DEO) Kabilo to Conet, Bay	Recommended High Priority	ok	ok	○
16	08-04-06A	Teyunan Bridge	Km. 29 + 890 Bambalukok D.S. Benedict-San Carlos Boundary Negros Occidental	24.50	Spillway	Fair	5	10	15,750	Rice, Fruit Trees, Corn, Coconut, Livestock, Sugarcane, Pineapple	Agro Business	250 Light and Heavy Vehicles	Transport Passenger and Agri Products	Mountainous	Rocky	MHWEL = 125.44 HWEI = 196.12 LWE = 194.78 OWE = 194.18	Good	Mixer, Truck, Roller, Cement, Lumber, Hardware, F and C, Aggr, Gravel	From 1800 Port to Storage Area (DEO) Kabilo to Conet, Bay	Recommended High Priority	ok	ok	○
17	08-04-06A	Ponvan Bridge	Km. 48 + 000 Benedict-Munoz-S. Boundary San Carlos City Road Negros Occidental	48.00	SB Pre-Cast Slab	Good (Single Lane)	10	8	30,800	Rice, Corn, Fruit Trees, Coconut, Sugarcane, Pineapple and Livestock	Agro-Business	250 Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	Rocky	MHWEL = 754.04 LWE = 754.08 OWE = 753.90	Good	Concrete Mixer, Truck, Roller, Cement, R.S.B. Fine and Coarse Aggregate, Lumber and Hardware	From 1800 Port to Storage Area (DEO) Kabilo to Conet, Bay	Recommended	ok	ok	X
18	08-03-07A	Caban Bridge	Km. 20 + 800 Benedict-Munoz-S. Boundary San Carlos City Road Negros Occidental	61.60	Steel Truss Pre-Cast Slab	Good (Single Lane)	10	23	50,880	Rice, Corn, Fruit Trees, Coconut, Sugarcane, Pineapple and Livestock	Agro-Business	750 Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	Rocky	MHWEL = 675.04 LWE = 674.00 OWE = 673.00	Good	Concrete Mixer, Truck, Roller, Cement, R.S.B. Fine and Coarse Aggregate, Lumber and Hardware	From 1800 Port to Storage Area (DEO) Kabilo to Conet, Bay	Recommended	ok	ok	X
19	07-03-03	Camangon Bridge	From Port of Tagbisanan Km. 27 + 540 City, Categharan Antique Road Antique, Borol	12.20	Bayley	Bad	10	23	15,700	Rice, Corn, Cessena, Livestock, Poultry	Agro and Livestock Business	1,900 Light Vehicles	Transport Passenger and Agri Products	Rolling	Clay	HWEI = 18.31 OWE = 14.81	Fair	Crane, Drop Hammer, Concrete Mixer, Cement, Lumber, Hardware, Aggregate, R.S.B. etc. Bailey type. H-rolled bridge	From 1800 Port to Storage Area (DEO) Kabilo to Conet, Bay	Recommended High Priority	ok	ok	○

TABLE-1 DATA OF REQUESTED ADDITIONAL BRIDGES

NO.	BRIDGE NUMBER	BRIDGE NAME	LENGTH (M)	TYPE	PRESENT CONDITION OF BRIDGE			SOCIO-ECONOMIC AND TRAFFIC INFORMATION				ENGINEERING INFORMATION				CONSTRUCTION INFORMATION			EVALUATION OF URGENCY FOR BRIDGE REPLACEMENT	TOPO. GRAPHIC MAP	PICTURES	EVALUATION FOR SUBJECT BRIDGES	
					PRESENT CONDITION	LOAD LIMIT	NO. OF AFFECTED BARANGAY	NO. OF AFFECTED POPULATION	NO. OF AFFECTED POPULATION	MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (ADT)	TRAFFIC COMPOSITION	PURPOSE OF THE BRIDGE	TOPO. GRAPHIC CONDITION	GEO. LOGICAL CONDITION	RIVER AND HYDROLOGICAL CONDITION	PRESENT CONDITION OF ROAD					CONSTRUCTION MATERIALS AND EQUIPMENT
20	07-00-08	Manayun Bridge Km. 68 + 000 from Port of Tagbisan City, Curne-Casano Road, Cernin-Jobani	12.20	Baluy	Bad	0	11	24,712	Rice, Corn, Livestock	Agro Business	1,022	Light Vehicles	Transport Passenger and Agri Products	Rolling	Leamy	WFL = 40.83 OHL = 43.44 OHL = 41.24	Fair	Crane, Drop Hammer, Concrete Mixer, Cement, Baleson-Carmen Lumber, Harrowe (existing) Aggregates, R.E.B	From Tagbisan Port to Manayun Bridge (abiyte Hammer, Cement, Baleson-Carmen Lumber, Harrowe (existing) Aggregates, R.E.B	Not Recommended	ok	ok	○
21	07-06-01	Lumban Bridge Km. Cebu South Road, Bolson, Caball	20.00	Baluy	Bad	5	2	1,200	Corn, Bananas, Fish	Agro-business	30	Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	Sandy	OHL = 72.24	Good	Crane, Pile Hammer Lumber Sand/Gravel	From Tagbisan Port to Lumban Bridge (abiyte Hammer, Cement, Baleson-Carmen Lumber, Harrowe (existing) Aggregates, R.E.B	Not Recommended (order)	ok	ok	×
22	07-06-01	Boy's Town Bridge Km. Taly-Balugo Road, Dumaguete City	2.20	Timber	Good	10	5	2,600	Rice, Corn, Copra and Livestock	Agro Business	160	Light and Heavy Vehicles	Transport Passenger and Agri Products	Rolling	SR	OHL = 50.34	Good	Crane, Pile Hammer Lumber Sand/Gravel	From Tagbisan Port to Boy's Town Bridge (abiyte Hammer, Cement, Baleson-Carmen Lumber, Harrowe (existing) Aggregates, R.E.B	Not Recommended	ok	ok	×
23	07-06-04	Dumaguete-Palapan Km. Dumaguete-Palapan Road, Dumaguete City	17.28	Concrete	Good	15	4	13,748	Corn, Bananas, Sugarcane, Livestock	Agro Business	180	Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	Sandy	OHL = 57.72	Good	Crane, Pile Hammer Lumber Sand/Gravel	From Tagbisan Port to Dumaguete-Palapan Bridge (abiyte Hammer, Cement, Baleson-Carmen Lumber, Harrowe (existing) Aggregates, R.E.B	Not Recommended	ok	ok	×
24	07-12-01	Cambogong Bridge Km. Marikina City	20.15	RCDD	Good	26	6	22,456	Corn, Copra, Sugarcane, Livestock	Agro Business	100	Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	Sandy	OHL = 20.79	Good	Crane, Pile Hammer Lumber Sand/Gravel	From Tagbisan Port to Cambogong Bridge (abiyte Hammer, Cement, Baleson-Carmen Lumber, Harrowe (existing) Aggregates, R.E.B	Not Recommended (under MCDP-DECP Project)	ok	ok	×
25	07-14-01	Cabunan Bridge Tagbisan-Cabunan Road Tagbisan, Bohol	11.00	Timber	Good	2	2	1,800	Corn	Agro Business	819	Light and Heavy Vehicles	Transport Passenger and Agri Products	Rolling	Leamy	River flooded during heavy rains	Good	Lumber, Harrowe (existing) Pile Hammer and its accessories	From Tagbisan Port to Cabunan Bridge (abiyte Hammer, Cement, Baleson-Carmen Lumber, Harrowe (existing) Aggregates, R.E.B	Not Recommended	ok	ok	○
26	07-06-04	Camp-A Bridge Km. 17 + 827- Talasa-Talasa Road Talsay, Caball	81.5	SSly	Bad	6	7	16,462	Corn, Rice, Vegetables, Charcoal, Livestock, Coal	Agro Business	160	Light and Heavy Vehicles	Transport Passenger and Agri Products	Flat	Sandy	MHWL = 46.25 LWEL = 43.17 LWEL = 40.0 OHWL = 42.17	Good	Crane, Drop Hammer, Mixer, Cement, Lumber and Harrowe, Aggregates, P.S.B.	From Port of Cebu City to construction site	Not Recommended	ok	ok	○
27	07-05-06A	Crife Bridge Km. 73 + 190 Sugayon Road Boroon, Caball	26.74	Timber	Bad	3	18	22,238	Corn, Sugarcane, Copra, Livestock, Bananas	Agro Business	200	Light and Heavy Vehicles	Transport Passenger and Agri Products	Rolling	Clay	MHWL = 70.82 AWEL = 68.55 OHWL = 68.50	Good	Crane, Drop Hammer, Mixer, Cement, Lumber and Harrowe, Aggregates, P.S.B.	From Cebu City Port to Storage Area (P.O.)	Not Recommended	ok	ok	○
28	07-06-04	Tringo-Cabunagan Bridge Km. 3 + 422 Tringo-Cabunagan Rd, Dumaguete City	32.50	Baluy	Washed Out	10	6	6,088	Rice, Corn	Industrial Development	400	Light and Heavy Vehicles	Alternate route to citywide area	Flat	Sand and Stones	MHWL = 1.22 LWEL = 0.17	Good	Crane, Drop Hammer, Mixer, Cement, Lumber and Harrowe, Aggregates	From Dumaguete Port to Storage Area (P.O.)	Not Recommended	ok	ok	○
29	07-06-07A	City Pound Bridge Km. 6 + 248 Baagayon Road Dumaguete City	10.00	Spillway	Good	10	3	3,367	Corn, Bananas, Copra, Sugarcane, Livestock, Rice	Agro-business and Housing Development	300	Light and Heavy Vehicles	Alternate route to City Pound	Rolling	Sand and Stones	MHWL = 10.16 LWEL = 6.10	Good	Crane, Drop Hammer, Mixer, Cement, Lumber and Harrowe, Aggregates	From Dumaguete Port to Storage Area (P.O.)	Not Recommended	ok	ok	○
30	07-03-05A	Dumaguete-Salugo Br. Km. 2 + 300 Brgy. Tabbao Dumaguete City	18.50	Spillway	Good	10	6	6,000	Corn, Bananas, Copra, Sugarcane, Livestock, Rice	Agro-business and Housing Development	400	Light and Heavy Vehicles	Alternate route to City Pound	Rolling	Sand and Stones	OHL = 53.17	Good	Crane, Drop Hammer, Mixer, Cement, Lumber and Harrowe, Aggregates	From Dumaguete Port to Storage Area (P.O.)	Not Recommended	ok	ok	×
31	07-14-07A	Cabunagan Bridge Km. 52 + 000 Talsayon-Tagbisan Road Talsayon, Bohol	18.0	Concrete Arch	Fair	6	8	24,898	Rice, Livestock, Copra, Bananas, Sugarcane, Livestock	Agro-business	480	Light and Heavy Vehicles	Alternate route to Southwestern Cebu	Flat	Sand and SR	MHWL = 2.44 OHWL = 2.14 LWEL = 1.14 LWEL = 1.04	Fair	Crane, Drop Hammer, Mixer, Cement, Lumber and Harrowe, Aggregates	From Cebu City Port to Storage Area (P.O.)	Not Recommended	ok	ok	○

TABLE 1. DATA OF REQUESTED BRIDGES

NO.	BRIDGE NUMBER	BRIDGE NAME	BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE				SOCIO-ECONOMIC AND TRAFFIC INFORMATION					ENGINEERING INFORMATION					CONSTRUCTION INFORMATION			EVALUATION FOR SUBJECT BRIDGES	
				LENGTH (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BARANGAY	NO. OF POPULATION	MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (ADT)	TRAFFIC COMPOSITION	PURPOSE OF THE ROAD	TOPOGRAPHIC CONDITION	GEOLOGICAL CONDITION	RIVER AND HYDROLOGICAL	PRESENT CONDITION OF ROAD	CONSTRUCTION MATERIALS AND EQUIPMENT	PRESENT CONDITION OF TRANSPORTATION ROUTE		EVALUATION OF BRIDGE FOR REPLACEMENT
32	07-03-08A	Cantilan Bridge	Km. 7 + 180 Cantilan-Kabunaga Road, Davao City	10	Spillway	Bad	10	6	2,000	Corn, Beans, Root Crop	Agricultural and Industrial Development	100	Light and Heavy Vehicles	To different barangays of Sultan	Flat	Standard Stone	Good	Crane, Drop Hammer, Mixer, Cement, Lumber and Hardware	* Accessible * Fair	ok		X
33	07-03-07A	Carulao Bridge	Km. 63 + 410 Jagay-Santa Subana Road, Boroil	12.20	Balky	Bad	10	10	1,638	Rice, Corn, Coconut	Agro Business	180	Light and Heavy Vehicles	Transport Passengers and Agri-Cultural Products	Flat	Clay	Good	Crane, Drop Hammer, Mixer, Cement, Lumber and Hardware	From Jagay Port to Carulao Bridge	ok		O
34	07-03-06A	Amamban Bridge	Km. 48 + 400 Antique-San Isidro Road, Boroil	25.00	Balky	Bad	8	7	800	Corn, Cassava, and Live-stock	Agro-business	80	Light and Heavy Vehicles	Road Connecting Antique and Cagayan	Rolling	Loamy	Fair	Mixer, Cement, Lumber, Aggregates	From Port of Antiquen-San Isidro Road	ok		X
35	07-04-11A	Carood Bridge	Km. 96 + 238 Candjay-Mabli Road, Candjay, Boroil	37.60	Balky	Bad	8	30	24,298	Rice, Corn, Beans, Cassava, Coconut and Fish	Fish Pond and Agro Business	80	Light and Heavy Vehicles	Transport Passengers, Fish and Agri-Products	Rolling	Loamy	Fair	Crane, Drop Hammer, Delmag, Mixer and Vibrator, Cement, Lumber and Hardware	From Port of Tagbilaran City to Tagbilaran East Road to Construction Site	ok		O
36	07-04-12A	Tondo Bridge	Km. 122 + 328 Jalay-Tapal Wharf Rd, Jalay, Boroil	23.15	Timber	Bad	5	11	15,624	Rice, Corn, Copra and Fish	Tapal and Popol Wharfs and fish Ponds	80	Light and Heavy Vehicles	Transport Passengers, Fish and Agri-Products	Flat	Sandy	Fair	Crane, Drop Hammer, Delmag, Mixer and Vibrator, Cement, Lumber and Hardware	From Port of Tagbilaran City to Tagbilaran East Road to Construction Site	ok		O
37	07-03-07A	Sinan Bridge	Km. 45 + 000 Babun-Balihan Road, Babun, Boroil	5.90	Timber	Bad	5	6	847	Rice, Corn and Livestock	Agro-business	1,100	Light and Heavy Vehicles	Road Connecting Sultan and Sultan	Flat	Loamy	Fair	Mixer, Cement, Lumber and Hardware, Aggregates	From Port of Tagbilaran City to construction site	ok		X
38	07-03-08A	Yaya II Bridge	Km. 63 + 000 Bani-Maryagan Road, Bani-Cabul	27.5	Balky	Bad	6	6	6,506	Rice, Corn, Copra, Live-stock, Charcoal, Banana, and Root-crops	Agro-business	128	Light and Heavy Vehicles	Alternate route to Marikapan and Balor-bobor	Flat	Sandy	Fair	Crane, Drop Hammer, Mixer, Delmag, Cement, Lumber and Hardware, Aggregates, R.S.B.	From Port of Cabu-Cabu City to Cabu-Cabu City to Marikapan to Balor-bobor	ok		O
39	07-05-10A	Lunggon Bridge	Km. 0 + 048 From Argao-Mambijud Road, Argao, Cebu II	12.00	Ford	Good	10	6	2,819	Vegetables, Livestock, Copra and Banana	Agro-business	128	Light and Heavy Vehicles	Transport Passengers and Agri-Products	Hilly	Muddy	Newly Constructed	Crane, Drop Hammer, Mixer, Delmag, Cement, Lumber and Hardware, Aggregates, R.S.B.	From Port of Cabu City to Argao-Ronda, Road to construction site	ok		X
40	08-03-07A	Regency Bridge	Km. 21 + 340 Bapah-Babangon-Talibon Road, Leyte I	7.00	Timber	Fair	5	28	18,562	Rice, Corn, Fish, Copra and Other Farm Products	Agro Business	85	Light and Heavy Vehicles	Transport Agri-Products	Mountainous	Loamy	Fair	Crane, Drop Hammer, Mixer, Delmag, Cement, Lumber and Hardware, Aggregates, R.S.B.	From Talibon Port to site passing Talibon-Talibang-Babangon Road	ok		X
41	08-07-08A	West Bridge	Km. 880 + 208 Dobongan-Baay Road, Samar	8.50	Timber	Displaced	25	25	12,400	Rice, Corn, Cassava and Copra	Food Milling	120	Light and Heavy Vehicles	Transport of Farm Products	Flat	Recent Alluvium	Fair	Crane, Drop Hammer, Mixer, Delmag, Cement, Lumber and Hardware, Aggregates, R.S.B.	From Talibon Port to site passing Talibon-Talibang-Babangon Road	ok		X
42	04-07-15A	Angli Bridge	Km. 812 + 385 Baay-Balangog Road, Samar	8.00	Timber	Displaced	25	25	12,000	Rice, Corn, Jobsava and Copra	Food Milling	80	Light and Heavy Vehicles	Transport of Farm Products	Flat	Recent Alluvium	Fair	Crane, Drop Hammer, Mixer, Delmag, Cement, Lumber and Hardware, Aggregates, R.S.B.	From Talibon Port to site passing Talibon-Talibang-Babangon Road	ok		X
43	04-07-10A	Isa Bridge	Km. 810 + 458 Baay-Balangog Road, Samar	21.34	Balky	Displaced	20	20	12,500	Rice, Corn, Cassava, Copra Meal and Jobsava	Food Milling	80	Light and Heavy Vehicles	Transport of Farm Products	Flat	Recent Alluvium	Fair	Crane, Drop Hammer, Mixer, Delmag, Cement, Lumber and Hardware, Aggregates, R.S.B.	From Talibon Port to site passing Talibon-Talibang-Babangon Road	ok		X

TABLE 1. DATA OF REQUESTED ADDITIONAL BRIDGES

NO.	BRIDGE NUMBER	BRIDGE NAME	BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE				SOCIO-ECONOMIC AND TRAFFIC INFORMATION				ENGINEERING INFORMATION				CONSTRUCTION INFORMATION				EVALUATION OF URGENCY FOR BRIDGE REPLACEMENT	TOPO-GRAPHIC MAP	PICTURES	EVALUATION FOR SUBJECT BRIDGES	
				LENGHT (M)	TYPE	PRESENT CONDITION	LOAD LIMIT (T)	NO. OF AFFECTED BARANGAY	NO. OF AFFECTED POPULATION	MAIN PRODUCT	DEVELOPMENT PLAN	TRAFFIC VOLUME (ADT)	TRAFIC COMPOSITION	PURPOSE OF THE BRIDGE	TOPO-GRAPHIC CONDITION	GEO-LOGICAL CONDITION	HYDROLOGICAL CONDITION	INVER AND ACCESS ROAD	PRESENT CONDITION OF ROAD					CONSTRUCTION OF MATERIALS AND EQUIPMENT
44	05-07-11A	Sama Bridge	Km. 808 + 845 Basy-Balangga Road Samar	18.38	Baluy	Disapidated	25	25	12,800	Rice, Corn, Cassava, Coconut, Meat Mosses	Food Milling	40	Light and Heavy Vehicles of Farm Products	Transport of Farm Products	Flat	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	Calabogon-Basy Road Assessories Fair	Recommended	-	ok	X
45	05-07-12A	Caribocoo Bridge	Km. 811 + 835 Basy-Balangga Road Samar	6.00	Baluy	Disapidated	25	28	12,800	Rice, Corn, Cops, Meat, Canoke and Cassava	Food Milling	60	Light and Heavy Vehicles	Transport of Farm Products	Flat	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	Calabogon-Basy Road Assessories Fair	Recommended	-	ok	X
46	05-07-13A	Magsalena Bridge	Km. 813 + 335 Basy-Balangga Road Samar	8.14	Baluy	Disapidated	25	25	12,800	Rice, Corn, Cops, Meat, Cassava	Food Milling	60	Light and Heavy Vehicles of Farm Products	Transport of Farm Products	Flat	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	Calabogon-Basy Road Assessories Fair	Recommended	-	ok	X
47	05-07-14A	Angilil Bridge	Km. 812 + 535 Basy-Balangga Road Samar	6.00	Baluy	Disapidated	25	25	12,800	Rice, Corn, Cops, Meat, Cassava, Molasses	Food Milling	60	Light and Heavy Vehicles of Farm Products	Transport of Farm Products	Flat	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	Calabogon-Basy Road Assessories Fair	Recommended	-	ok	X
48	05-07-15A	Calabon Bridge	Km. 806 + 383 Wright-Tal Road Samar	14.03	Timber	Disapidated	25	875	437,000	Rice, Corn, Cops, Meat, Cassava, Molasses, Fish	Food Milling	400	Light and Heavy Vehicles of Farm Products	Transport of Farm Products	Hilly/Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	Calabogon-Tal Road Assessories Fair	Mildly Recommended	-	ok	X
49	05-07-17A	Parasonon Bridge	Km. 805 + 840 Prodeli Old Road WTO-Old National Road Samar	18.60	Timber	Disapidated	25	4	2,000	Rice, Corn, Cops, Meat, Molasses	Food Milling	40	Light and Heavy Vehicles of Farm Products	Transport of Farm Products	Hilly/Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	Calabogon-Parasonon Road Assessories Good	Recommended	-	ok	X
50	05-07-18A	Bagey Bridge	Km. 804 + 100 WTO-Old National Road Samar	30.00	Timber	Disapidated	25	3	3,000	Rice, Corn, Cassava and Cops	Rice, Corn, Cassava, Cops	200	Light and Heavy Vehicles of Farm Products	Transport of Farm Products	Hilly/Mountainous	Recent Alluvium	Laminar Flow	Fair	Crane Pile Hammer Lumber Sand/Gravel	Calabogon-Bury-Bagey Road Assessories Fair	Recommended	-	ok	X

* NOTE:
O - SELECTED BRIDGES (TABLE 2)
X - NOT INCLUDED/SELECTED BRIDGES

TABLE 2: SELECTED HIGH PRIORITY BRIDGES

NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			LOAD LIMIT (T)	NO. OF AFFECTED POPULATION	EVALUATED TRAFFIC VOLUME (ADT)	RESULT OF EVALUATION FOR URGENCY OF BRIDGE REPLACEMENT	BASIC OUTLINE OF BRIDGE		PRESENT CONDITION OF TRANSPORTATION ROUTE	PEACE AND ORDER CONDITION	RE MARKS
		LENGTH (M)	TYPE	PRESENT CONDITION					LENGTH (M)	TYPE OF BRIDGES			
01	05-01-02 San Vicente Bridge Km. 483 + 350 Libon-Bacolod-San Vicente- Bunabod-Buga Road Libon, Albay	12.00	Bailey	Newly Repaired	10	52,482	18	Recommended Priority	25.0	• Built-up Beam • Pile Foundation	Fair	A	• During heavy rain, 1 meter overflow above existing bridge • No hydrological data
02	05-01-03 Bonga Bridge Km. 270 + 700 Albay West Coast Road Libon, Albay	18.00	TT	Newly Repaired	5	48,128	6	Not Recommended	18 + 18 = 36.0	• H-Beam • Pile Foundation	Fair	A	• Just before reaching the bridge, (from Srgy- Pantac), the road is hardly passable • Minimal traffic volume • Dilapidated bridges leading to construction site shall be repaired
03	05-02-01 San Rafael Spillway Km. 556 + 886 San Rafael-Monte-Carmelo- Libong-Milya-Anamenting- Oras-B. Sirang Castilla, Sorsogon	18.00	Spill- way	Partially Damaged	10	6,034	50	Recommended	15 + 15 = 30.0	• H-Beam • Pile Foundation	Good	A	• During flood, 1-2 m overflow above existing spillway • No difficulty in construction
04	05-02-02 Beriran Bridge Km. 608 + 887 Juban-Beriran-Caruhayon Juban, Sorsogon	19.10	Bailey	Newly Repaired	5	3,862	70	Recommended	24.0	• H-Beam • Pile Foundation	Fair	A	• During heavy rain, 1 - 1.5 m overflow above existing bridge • No difficulty in construction
05	05-02-03 Bacalon Bridge Km. 623 + 620 Juban-Magallanes Road Magallanes, Sorsogon	12.50	Bailey	Dilapidated	5	111,875	435	Recommended Priority	15.0	• H-Beam • Pile Foundation	Fair	A	• High impact on the socio-economic activity • No difficulty in construction
06	05-02-05 San Bernardo Bridge Km. 624 + 000 Bulusan-San Bernardo- San Bartolome-Sta. Magdalena Buhusan, Sorsogon	21.50	Bailey	Fair	3	69,830	110	Recommended	24.0	• H-Beam • Spread Founda- tion	Fair	A	• No difficulty in construction
07	05-02-06 Mamog Bridge Km. 647 + 500 Tablac-Matnog-San Sebastian- Sta. Magdalena, Sorsogon	77.00	Timber Fl Br.	Bad	1	69,830	10	Recommended	20 + 20 + 20 = 60.0	• H-Beam • Pile Foundation	Good	A	• Pedestrian bridge • No traffic volume

TABLE 2: SELECTED HIGH PRIORITY BRIDGES

NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			LOAD LIMIT (T)	NO. OF AFFECTED POPULATION	EVALUATED TRAFFIC VOLUME (AOT)	RESULT OF EVALUATION FOR URGENCY OF BRIDGE REPLACEMENT	BASIC OUTLINE OF BRIDGE			PRESENT CONDITION OF TRANSPORTATION ROUTE	* PEAGE AND ORDER CONDITION	REMARKS
		LENGTH (M)	TYPE	PRESENT CONDITION					LENGTH (M)	TYPE OF BRIDGES	CONDITION OF TRANSPORTATION ROUTE			
8	05-03-01 Hitoma Bridge Km. 151 + 800 Vinc-San Andres-Caramoran- Pandani Road, Catanduanes	74.00	Bailey	Disapidated	4	108,033	70	Recommended High Priority	27 + 27 = 54.0	PC Girder Pile Foundation	Fair	A	<ul style="list-style-type: none"> High impact on the socio-economic activity Urgently needed Erection very easy P.C. Girder Difficulty in transporting steel girder Availability of construction materials (aggregates) 	2
9	05-03-02 Kampawitan Bridge Km. 58 + 849 Jct. Panganiban-Sablayan Rd Panganiban, Catanduanes	16.00	Bailey	Bad	5	71,578	52	Recommended Priority	23.0	H-Beam Pile Foundation	Fair	A	<ul style="list-style-type: none"> Along the alternate route leading to Pandan and Caramoran Towns Cross country road No difficulty in construction 	1
10	05-04-01 Mabque Bridge Km. 325 + 801 Bagong Silang-Capalonga, Camarines Norte	34.00	Bailey	Disapidated	5	83,928	800	Recommended High Priority	24.0	H-Beam Pile Foundation	Fair	B	<ul style="list-style-type: none"> High impact on the socio-economic activity No difficulty in construction 	1
11	05-04-02 Callinog Bridge Km. 318 + 036.50 Bagong Silang-Capalonga Rd Capalonga, Camarines Norte	14.00	Bailey	Disapidated	5	83,928	600	Recommended Priority	18.0	H-Beam Spread Foundation	Fair	B	<ul style="list-style-type: none"> High impact on the socio-economic activity No difficulty in construction 	1
12	05-04-03 Pinslapuan Bridge Km. 315 + 349.30 Bagong Silang-Capalonga Rd Capalonga, Camarines Norte	19.5	TT	Bad	5	93,928	900	Recommended Priority	24.0	H-Beam Spread Foundation	Good	B	<ul style="list-style-type: none"> High impact on the socio-economic activity No difficulty in construction 	1
13	05-04-04 Talagucao Bridge Km. 330 + 419.50 Bagong Silang-Capalonga Rd Capalonga, Camarines Norte	19.00	TT	Under Construction	5	93,928	900	Not Recommended	22.0	H-Beam Pile Foundation	Bad	B	<ul style="list-style-type: none"> Construction on-going (permanent bridge) 	-
14	05-05-03 Kigates Bridge 5.7 km. from Km. 481 + 500 Anguste-Kigates-Malawag Rd Nabua, Camarines Sur	17.00	Steel Foot Bridge	Bad	1	10,564	20	Recommended	20.0	H-Beam Pile Foundation	Good	A	<ul style="list-style-type: none"> Pedestrian Bridge No traffic volume 	-

TABLE 2: SELECTED HIGH PRIORITY BRIDGES

NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			NO. OF AFFECTED POPULATION	EVALUATED TRAFFIC VOLUME (ADT)	RESULT OF EVALUATION FOR URGENCY OF BRIDGE REPLACEMENT	BASIC OUTLINE OF BRIDGE		PRESENT CONDITION OF TRANSPORTATION ROUTE	PEACE AND ORDER CONDITION	REMARKS
		LENGTH (M)	TYPE	LOAD LIMIT (T)				LENGTH (M)	TYPE OF BRIDGES			
15	05-05-04 Tairic Bridge Km. 32 + 000 Highway Jct. to Tairic Road Minalabac, Camarines Sur	42.70	Timber	Impassable	10	20	Recommended High Priority	25 + 25 = 50 PC Girder Pile Foundation	Fair	A	No traffic volume	
16	05-05-05 Sarifino Bridge Km. 3 + 200 From Pasacao Port Sarifino-Cataman-Pasacao Rd. Pasacao, Camarines Sur	54.00	TT	Bad	3	60	Recommended	30 + 30 = 60.0 Pile Foundation	Good	A	Proposed circumferential road on plan Urgently needed	
17	05-05-08 Odicon Bridge Km. 2 + 100 From Pasacao Port Odicon-Tagbag Road Pasacao, Camarines Sur	32.00	Bailey Washed Out	Under Rehabilitation	10	50	Recommended Priority	15 + 18 = 33.0 H-Beam Pile Foundation	Good	A	No difficulty in construction Urgently needed	
18	05-05-09 Baras Bridge Km. 36 + 500 From Pasacao Port Malibog-Baras Road Minalabac, Camarines Sur	20.00	Timber	Bad	3	30	Recommended	25.0 Build-up Beam Pile Foundation	Fair	A	No traffic volume	
19	05-05-10 Malibog Bridge Km. 35 + 000 From Pasacao Port Tairic-Malibog Road, Minalabac, Camarines Sur	24.70	Timber	Bad	3	30	Recommended Priority	28.0 Build-up Beam Pile Foundation	Fair	A	No traffic volume	
20	05-05-01 Daplan Bridge Km. 5 + 079.19 From San Fernando Port San Fernando North Road, Masbate	45.69	Bailey	Bad	3	50	Recommended High Priority	18 + 18 + 18 = 54.0 H-Beam Pile Foundation	Fair	A	Along the main thoroughfare of Ticao Island High impact on the socio-economic activity No difficulty in construction Urgently needed	
21	05-05-02 Manilib Spillway Km. 28 + 648.50 From Masbate Port Masbate-Arroy Road Masbate, Arroy	37.10	Spillway	Good	10	218	Recommended High Priority	20 + 20 + 20 = 60.0 H-Beam Pile Foundation	Fair	A	Good condition of new existing spillway	

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NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			LOAD LIMIT (T)	NO. OF AFFECTED POPULATION	EVALUATED TRAFFIC VOLUME (ADT)	RESULT OF EVALUATION FOR URGENCY OF BRIDGE REPLACEMENT	BASIC OUTLINE OF BRIDGE		PRESENT CONDITION OF TRANSPORTATION ROUTE	* PEACE AND ORDER CONDITION	RE MARKS
		LENGTH (M)	TYPE	PRESENT CONDITION					LENGTH (M)	TYPE OF BRIDGES			
22	05-08-03 Baldosa Bridge Km. 51 + 860 From Masbate Port Buena Vista-Cawayan Road Cawayan, Masbate	17.20	Spillway	Fair	10	97,810	40	Recommended High Priority	30 + 30 + 30 = 90.0	PC Girder Pile Foundation	Fair	A	<ul style="list-style-type: none"> • During heavy rain, 5 - 6 m overflow from the existing spillway • Urgently needed • P.C. Girder • Difficulty in transporting steel girder • Unpassable during rainy season
23	05-08-04 Lanang Bridge Km. 56 + 125.33 From Masbate Port Masbate-Aroyo Road, Masbate	37.80	Spillway	Bad	10	145,079	104	Recommended High Priority	20 + 20 + 20 = 90.0	H-Beam Spread Foundation	Fair	A	<ul style="list-style-type: none"> • No hydrological data
24	05-08-05 Pobit Bridge Km. 37 + 735.78 From Masbate Port Masbate-Balud Road Masbate	36.60	Bailey	Dilapidated	3	143,810	80	Recommended High Priority	20 + 20 + 20 = 90.0	H-Beam Pile Foundation	Fair	A	<ul style="list-style-type: none"> • Movement/swaying occurs when heavy vehicles passed over the bridge • Urgently needed • Condition of existing bridge very dangerous
25	06-01-11 Liloan-San Roque Bridge Km. 40 + 470 From Dumaguít Port Liloan-San Roque Road Malinao, Aklan	28.20	Ford	Impassable	20	1,555	27	Not Recommended	25 + 25 = 50.0	Build-up Beam Pile Foundation	Good	A	<ul style="list-style-type: none"> • Road leading to and from bridge site from Liloan is of Brgy. Standard • Very low socio-economic impact • Suitable to be constructed under locally funded project • No traffic volume
26	06-01-12 Pob. Malandayon Bridge Km. 33 + 589 From Dumaguít Port Pob. Malinao-Malandayon- Liloan-Gocon Malinao, Aklan	30.00	Ford	Passable	15	733	25	Not Recommended	18 + 18 = 36.0	H-Beam Pile Foundation	Good	A	<ul style="list-style-type: none"> • Road leading to and from bridge site from Malinao is of Brgy. Standard • Very low socio-economic impact • Suitable to be constructed under locally funded project • No traffic volume
27	06-01-15 Pangawasan Bridge Km. 29 + 521 From Dumaguít Port Calangcang-Cayangwan- Libotan Poblacion Malabo, Aklan	18.00	Ford	Impassable	15	3,726	30	Not Recommended	18 + 18 = 36.0	H-Beam Pile Foundation	Bad	A	<ul style="list-style-type: none"> • Access road from national road to bridge site is not existing • Small affected population • Very low socio-economic impact • Suitable to be constructed under locally funded project

TABLE 2: SELECTED HIGH PRIORITY BRIDGES

NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			NO. OF AFFECTED POPULATION	EVALUATED TRAFFIC VOLUME (ADT)	RESULT OF EVALUATION FOR URGENCY OF BRIDGE REPLACEMENT	BASIC OUTLINE OF BRIDGE		PRESENT CONDITION OF TRANSPORTATION ROUTE	PEACE AND ORDER CONDITION	REMARKS
		LENGTH (M)	TYPE	PRESENT CONDITION				LOAD LIMIT (T)	LENGTH (M)			
29	06-03-01 Mambusao Bridge Km. 88 + 100 Sigma-Mambusao-Jimbug Road Mambusao, Capiz	50.70	Steel Truss	Bad	15	153,624	Not Recommended	30 + 30 = 60.0	Build-up Beam Pile Foundation	Good	A	<ul style="list-style-type: none"> • ROW Problem • Permanent bridge
30	06-03-03 Tunalalud Bridge Km. 75 + 500 Jct. National Road Dumarao-Ibilo-San Rafael Road Dumarao, Capiz	50.8	Boxley	Bad (Permanent Pier)	5	110,064	Recommended	35.0	Build-up Beam Pile Foundation	Good	A	<ul style="list-style-type: none"> • RC substructure newly constructed
34	06-04-01 Cama-oo Bridge Km. 63 + 740 Jct. National Mabini- Macasayang Road Cadiz City Negros Occidental	12.00	Timber	Bad	5	28,748	Not Recommended	20.0	H-Beam Pile Foundation	Good	A	<ul style="list-style-type: none"> Under Construction (3 barrel RCPC)
35	06-04-02 Sunglay Bridge Km. 64 + 380 Jct. National - Tucto A Bonifacio Road, Cadiz City Negros Occidental	18.00	TT	Impassable	5	5,708	Recommended	18 + 18 = 36.0	H-Beam Pile Foundation	Good	A	<ul style="list-style-type: none"> • No difficulty in construction

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		LENGTH (M)	TYPE	LOAD LIMIT (T)				LENGTH (M)	TYPE OF BRIDGES				
36	06-04-03 Lambuno Bridge Km. 73 + 750 Jct. National-Fabrics-Tadlong Road, Cádiz City, Negros Occidental	12.00 (Abut. to Existing Abut)	Not Existing	N/A	5	150	Recommended	15 + 15 = 30.0	H-Beam Pile Foundation	Good	A	• Existing detour upstream • No difficulty in construction	1
37	06-04-11A Talus Bridge Km. 41 + 100 Bacolod-Murcia-D.S. Benedicto San Carlos Bdry. Negros Occidental	30.70	Bailey	Bad	8	250	Recommended	35.0	Build-up Beam Spread Foundation	Bad	B	• 5 dilapidated bridges leading to construction site shall be repaired	
38	06-04-12A Bago Bridge Km. 81 + 900 Bacolod-Murcia-D.S. Benedicto San Carlos Bdry. Negros Occidental	45.80	Spill- way	Washed-Out (Impassable)	6	250	Recommended	15 + 15 + 15 = 45.0	H-Beam Pile Foundation	Fair	B	• Road leading to San Carlos is earth road • No difficulty in construction • High impact on socio-economic activity • Alternative road link	1
39	06-06-03 Seguidan Bridge Km. 57 + 100 Gulmbal-Higbaras-Tubungan Rd Tubungan, Iloilo	49.30	Bailey	Bad	3	59	Recommended	18 + 18 + 18 = 54.0	H-Beam Pile Foundation	Fair	B	• No difficulty in construction • Same roadway with Br. 06-06-05	1
40	06-06-04 Lawigan Bridge Km. 70 + 900 Tioles-Sinogbuhan Road San Joaquin, Iloilo	82.30	Bailey	Bad	3	92	Recommended	32 + 32 + 32 = 96.0	Build-up Beam Pile Foundation	Fair	A	• Deteriorated Bailey panels • Impassable to heavy loaded trucks and vehicles • High impact on the socio-economic activity • Circumferential road	2
41	06-06-05 Alameda Bridge Km. 47 + 300 Gulmbal-Higbaras Road Ilgbaras, Iloilo	23.20	Timber	Bad	3	55	Recommended	24.0	H-Beam Pile Foundation	Fair	B	• No difficulty in construction • Same roadway with Br. 06-06-03	1
42	06-06-06A Cablawan Bridge Km. 23 + 000 Cablawan-Wari-Wari- New Lucena Road New Lucena, Iloilo	20	Ford	Impassable	3	40	Not Recommended	24.0	H-Beam Pile Foundation	Bad	A	• Suitable to be constructed under locally funded project • Barangay Road • Access road from existing barangay road to bridge site is not yet entering • No traffic volume	

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		LENGTH (M)	TYPE	CONDITION					LENGTH (M)	TYPE OF BRIDGES			
43	06-13-01A Banica Bridge Km. 187 + 849 Capiz East Road Flores City, Capiz	52.35	Single lane Conc. Bridge	Good	10	162,788	1,213	Recommended (Low Priority)	18 + 18 + 16 = 54	H-Beam Pile Foundation	Good	A	• Good condition of existing bridge
44	07-03-01 Tohogan Bridge Km. 82 + 280 From Port of Tagbilaran City Carmen-Bucani Road, Bohol	15.80	Bailey	Bad	5	162,862	2,000	Recommended	20 + 20 = 40.0	H-Beam Pile Foundation	Fair	B	• Support deteriorated bridge • No difficulty in construction • High traffic volume • Urgently needed
45	07-03-02 Canaway Bridge Km. 63 + 400 From Port of Tagbilaran City Carmen-Bucani Road, Bohol	12.70	Timber	Bad	5	162,862	2,000	Recommended High Priority	20 + 20 = 40.0	H-Beam Pile Foundation	Fair	B	• Deteriorated bridge stringers • No difficulty in construction • High traffic volume • Urgently needed
46	07-03-05 Maid Bridge Km. 68 + 810 From Port of Tagbilaran City, Carmen-Damao Road, Bohol	15.00	Bailey	Bad	5	33,806	1,005	Recommended	20 + 20 = 40.0	H-Beam Pile Foundation	Fair	B	• Road impassable 8 km after the bridge due to unbridge river crossing
47	07-04-03 Maribeg Bridge Km. 84 + 085 From Port of Tagbilaran City Allica-Pilar Road Bohol	15.92	Ford	Bad	20	59,684	145	Recommended High Priority	20 + 20 = 40.0	H-Beam Pile Foundation	Fair	B	• New alignment of bridge • 2 displaced bridges leading to construction site shall be repaired
48	07-04-06A Calunasan Bridge Km. 83 + 326 Allica-Pilar Road Bohol	15.50	Bailey	Bad	5	59,684	145	Recommended High Priority	25.0	Build-up Beam Pile Foundation	Fair	B	• 2 displaced bridges leading to construction site shall be repaired
49	07-04-08A Matin-so Bridge Km. 87 + 150 Jagna-Sierra Bullones Road Bohol	18.70	Bailey	Bad	8	55,874	145	Recommended	25.0	Build-up Beam Pile Foundation	Bad	B	• 3 displaced bridges leading to construction site shall be repaired

TABLE 2: SELECTED HIGH PRIORITY BRIDGES

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		LENGTH (M)	TYPE	CONDITION								
50	07-04-09A Lubcanan Bridge Km. 64 + 481.83 Jagna-Sierra Bullones Road Bohol II	15.17	Bailey	Bad	5	55,874	180 High Priority	Recommended High Priority	30.0 • Build-up Beam • Pile Foundation	Fair	Bad	R.E.M.A.R.K.S • New proposed bridge alignment • 2 dilapidated bridges leading to construction site shall be repaired
51	07-05-01 Apsalan Bridge Km. 97 + 903 Toledo-Tabuelan Road Cebu I	27.65	Bailey	Bad	5	125,121	713 High Priority	Recommended High Priority	30.0 • Build-up Beam • Pile Foundation	Fair	A	• Deteriorated sub-structure • High impact on the socio-economic activity • Circumferential road • High traffic volume • Existing bridge in bad condition
52	07-05-02 Bagasawe Bridge Km. 100 + 271 Toledo-Tabuelan Road Cebu I	24.62	Bailey	Bad	3	125,121	713 High Priority	Recommended High Priority	25.0 • Build-up Beam • Pile Foundation	Bad	A	• 5 dilapidated bridges leading to construction site shall be repaired
53	07-05-03 Puattl Bridge Km. 103 + 463 Toledo-Tabuelan Road Cebu I	61.18	Bailey	Bad	5	125,121	713 High Priority	Recommended High Priority	22 + 22 22 = 66.0 • H-Beam • Pile Foundation	Fair	A	• 4 dilapidated bridges leading to construction site shall be repaired
54	07-05-04 Tacup Bridge Km. 127 + 070 Antonio de Pio Highway Cebu I	22.70	Timber	Bad	5	129,079	285 High Priority	Recommended High Priority	26.0 • Built-up Beam • Pile Foundation	Fair	A	• 6 dilapidated bridges leading to construction site shall be repaired
55	07-05-05 Tambongon Bridge Km. 131 + 948 Antonio de Pio Highway Cebu I	55.68	Timber	Bad	5	129,079	285 High Priority	Recommended High Priority	27 + 27 + 27 = 81.0 • Built-up Beam • Pile Foundation	Fair	A	• Urgently needed • Circumferential road • High traffic volume • Existing bridge in bad condition
56	07-05-07A Berhang (Caltik) Bridge Km. 75 + 430 Sagay-Borbon Road Borbon Cebu I	16.25	Bailey	Bad	5	23,238	90 High Priority	Recommended	20.0 • H-Beam • Pile Foundation	Fair	A	• 2 dilapidated bridges leading to construction site shall be repaired

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		LENGTH (M)	TYPE	PRESENT CONDITION					LENGTH (M)	TYPE OF BRIDGES			
64	06-01-02A Masagong Bridge Km. 1041 + 180 Almeria-Kawayan Road Biliran Sub-Province	12.40	Balkey	Deteriorated/ Dilapidated	3	66,702	200	Highly Recommended	18.0	H-Beam Spread Foundation	Fair	A	No possible rerouting of traffic (detour) during construction Permanent houses and transmission line poles 20 dilapidated bridges leading to construction site shall be repaired
65	06-01-03A Masagong Bridge Km. 1045 + 240 Kawayan-Culaba Road Biliran Sub-Province	12.40	Balkey	Fair	3	66,702	180	Recommended	20.0	H-Beam Pile Foundation	Fair	A	20 dilapidated bridges leading to construction site shall be repaired
66	06-01-04A Mapuyo Bridge Km. 1053 + 340 Kawayan-Culaba Road Biliran Sub-Province	18.00	Balkey	Fair	3	66,702	180	Recommended	20 + 20 = 40.0	H-Beam Spread Foundation	Fair	A	23 dilapidated bridges leading to construction site shall be repaired
67	06-01-05A Bool Bridge Km. 1065 + 570 Kawayan-Culaba Road Biliran Sub-Province	12.40	Balkey	Bad	3	66,702	180	Recommended	15 + 15 = 30.0	H-Beam Spread Foundation	Fair	A	26 dilapidated bridges leading to construction site shall be repaired
68	06-01-06A Lawaan Bridge Km. 1110 + 620 Cabugayan-Biliran Biliran Sub-Province	12.0	Timber	Deteriorated/ Bad	3	54,189	210	Recommended	18.0	H-Beam Spread Foundation	Fair	A	No difficulty in construction High traffic volume
69	06-01-07A Dispo Bridge Km. 1028 + 270 Naval-Calibiran-Cross County Road Biliran Sub-Province	12.0	Timber	Bad	3	68,242	150	Recommended	12 + 12 = 24.0	H-Beam Pile Foundation	Fair	A	No difficulty in construction
70	06-01-08A Gueron Bridge Km. 1038 + 450 Naval-Calibiran-Cross County Road Biliran Sub-Province	15.00	Timber	Bad	3	68,242	150	Recommended	15 + 15 = 30.0	H-Beam Pile Foundation	Fair	A	13 dilapidated bridges leading to construction site shall be repaired

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NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			NO. OF AFFECTED POPULATION	EVALUATED TRAFFIC VOLUME (ADT)	RESULT OF EVALUATION FOR URGENCY OF BRIDGE REPLACEMENT	BASIC OUTLINE OF BRIDGE		PRESENT CONDITION OF TRANSPORTATION ROUTE	* PEACE AND ORDER CONDITION	REMARKS
		LENGTH (M)	TYPE	PRESENT CONDITION				LOAD LIMIT (T)	LENGTH (M)			
71	06-01-08A Mascope Bridge Km. 1037 + 070 Naval-Calibiran-Cross Country Road Biliran Sub-Province	12.50	Timber	Fair	3	150	Recommended	15 + 15 = 30.0	H-Beam • Pile Foundation	Fair	A	• 15 dilapidated bridges leading to construction site shall be repaired
75	08-03-01 Campococ Bridge Km. 1034 + 813 Tabango-Villaba-Palompon Rd Leyte II	18.60	Bailey	Bad, (Corroded, Bailey Panel and Decayed Timber Deck Excessive Vibration	3	274	Highly Recommended	20 + 20 = 40.0	H-Beam • Pile Foundation	Bad	A	• 34 dilapidated bridges leading to construction site shall be repaired
76	08-03-02 Tabango Bridge Km. 1030 + 980 Tabango-Villaba-Palompon Rd Leyte II	31.0	Bailey	Bad, (Corroded, Bailey Panel and Decayed Timber Deck Excessive Vibration	3	274	Highly Recommended	20 + 20 = 40.0	H-Beam • Pile Foundation	Bad	A	• 33 dilapidated bridges leading to construction site shall be repaired
77	08-03-03 Basud Bridge Km. 1022 + 900 San Isidro-Tabango-Villaba Rd Leyte II	33.23	Timber	Bad (Decayed Timber Deck and Rotten Wooden Support)	3	274	Highly Recommended	18 + 18 = 36.0	H-Beam • Pile Foundation	Fair	A	• Very high socio-economic impact • No difficulty in construction

TABLE 2: SELECTED HIGH PRIORITY BRIDGES

NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			LOAD LIMIT (T)	NO. OF AFFECTED POPULATION	EVALUATED TRAFFIC VOLUME (ADT)	RESULT OF EVALUATION FOR URGENCY OF BRIDGE REPLACEMENT	BASIC OUTLINE OF BRIDGE		PRESENT CONDITION OF TRANSPORTATION ROUTE	PEACE AND ORDER CONDITION	RE MARKS	
		LENGTH (M)	TYPE	PRESENT CONDITION					LENGTH (M)	TYPE OF BRIDGES				
78	06-03-04 Elizabeth Bridge Km. 884 + 820 Lemot-Sambolawan-Calaquise Calubian Road Leyte II	43.40	Bailey	Bad (Corroded Bottom Chord)	3	138,415	138 Recommended	Highly Recommended	20 + 20 + 20 = 60.0	H-Beam Pile Foundation	Fair	A	• High socio-economic impact • Urgently needed	2
79	08-03-06A Matag-ob Bridge Km. 1003 + 810 Libanggo-Matag-ob-Palompon Road Leyte II	21.70	Bailey	Bad (Corroded and Buckled Bailey Panel)	3	97,507	420 Recommended	Highly Recommended	20 + 20 = 40.0	H-Beam Pile Foundation	Fair	A	• Very high socio-economic impact • No difficulty in construction	1
80	08-03-07A Natuhanan Bridge Km. 1010 + 680 Calubian-San Isidro-Tabanggo- Villaba-Palompon Road Leyte II	18.60	Bailey	Bad (Corroded Bailey Panel and Decayed Timber Deck)	3	112,492	274 Recommended	Recommended	15 + 15 = 30.0	H-Beam Pile Foundation	Bad	A	• 18 dilapidated bridges leading to constructor site shall be repaired	-
81	08-03-08A Calunasan Bridge Km. 24 + 360 Calubian-San Isidro-Tabanggo- Villaba-Palompon Road Leyte II	24.60	Bailey	Bad (Corroded and buckled bailey panel, rotten wooden support and excessive vibration and noise)	3	112,492	274 Recommended	Recommended	15 + 15 = 30.0	H-Beam Pile Foundation	Bad	A	• 16 dilapidated bridges leading to constructor site shall be repaired	-
82	08-04-01A Matgnao Bridge Km. 75 + 102 Abuyog-Silago Road Leyte III	18.0	Timber	Dilapidated/ Fair	25	79,452	309 Recommended	Recommended	24.0	H-Beam Pile Foundation	Fair	B	• High socio-economic impact • No difficulty in construction • High traffic volume	1
84	08-04-03A Cagbulo Bridge Km. 61 + 421 Abuyog-Silago Road Leyte III	14.0	Timber Ft. Br.	Bad (Impassable Decayed Timber Deck and Rotten Wooden Support)	25	78,452	309 Recommended	Recommended	18.0	H-Beam Pile Foundation	Bad	B	• Road leading to this bridge is not passable • Pedestrian bridge	-

TABLE 2: SELECTED HIGH PRIORITY BRIDGES (ADDITIONAL BRIDGES)

NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			LOAD LIMIT (T)	NO. OF AFFECTED POPULATION	EVALUATED TRAFFIC VOLUME (ADT)	RESULT OF EVALUATION FOR URGENCY OF BRIDGE REPLACEMENT	BASIC OUTLINE OF BRIDGE		PRESENT CONDITION OF TRANSPORTATION ROUTE	PEACE AND ORDER CONDITION	REMARKS
		LENGTH (M)	TYPE	CONDITION					LENGTH (M)	TYPE OF BRIDGES			
01	05-02-04 Banquerohan Bridge Km. 807 + 023.80 Gubat-Barcelona-Bulusan Batcelona, Sorsogon	86.00	RCDG	Bad	5	89,890	255	Recommended High Priority	25 + 25 +25 = 75.0	Build-up Beam Pile Foundation	Good to Fair	A	Permanent bridge Easy repairable
03	05-05-01 Sarabelle Bridge Km. 454 + 000 8.0 kms. from MSR Bula Jct Bula-Paisong Road Bula, Camarines Sur	88.00	RCDG	Good	20	87,594	168	Not Recommended	30 + 30 + 30 = 90.0	Build-up Beam Pile Foundation	Good	A	Permanent bridge Good condition of existing bridge
04	05-05-02 Pugay Spillway 1.5 km from San Jose Junction San Jose-Salagon Road San Jose, Camarines Sur	40.00	Spillway	Good	10	7,888	80	Not Recommended	20 + 20 +20 = 60.0	H-Beam Pile Foundation	Good to Fair	B	Newly Constructed
05	05-05-06 Sto. Nino Bridge Km. 25 + 000 From Pasacao Pop. Anipolo-Hobo- Salingogon Road Minalabac, Camarines Sur	12.50	RCDG	Good	10	100,142	100	Not Recommended	18.0	H-Beam Pile Foundation	Good	A	Permanent bridge Good condition of existing bridge
06	05-09-01 Barit Bridge Km. 5 + 160 From MSR Iriga-Buhil Road Santiago, Iriga City	30.80	Conc. Arch	Fair	10	131,785	840	Recommended	34.0	PC Girder Spread Foundation	Good	A	Permanent bridge Easy repairable
07	05-09-01 Cagbacong Bridge Km. 559 + 150 Legaspi-Daraga-Sogoy- Cagbacong-San Francisco Legaspi City	12.00	Timber Ft. Br.	Bad	5	137,127	200	Recommended	18.0	H-Beam Pile Foundation	Good to Fair	A	Small traffic volume Long approach road

TABLE 2: SELECTED HIGH PRIORITY BRIDGES

NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			LOAD LIMIT (T)	NO. OF AFFECTED POPULATION	EVALUATED TRAFFIC VOLUME (ADT)	RESULT OF EVALUATION FOR URGENCY OF BRIDGE REPLACEMENT	BASIC OUTLINE OF BRIDGE		PRESENT CONDITION OF TRANSPORTATION ROUTE	PEACE AND ORDER CONDITION	REMARKS
		LENGTH (M)	TYPE	CONDIG					PRESENT CONDITION	LENGTH (M)			
08	06-01-01 Tambac Bridge Km. 182 + 280 New Washington-Kalibo New Washington, Aklan	53.2	RCDG	Bad	5	55,857	778	Recommended	20 + 20 + 20 = 60.0	PC Girder Pile Foundation	Good	A	<ul style="list-style-type: none"> Permanent bridge Easy repairable
09	06-01-05 Agbalogo Bridge Km. 52 + 668 From Dumaguait Port Agbalogo-Poblacion Aklan	18.00	Reinf. Conc. Flat Slab	Good	10	1,329	28	Not Recommended	20.0	PC Girder Spread Founda- tion	Good	A	<ul style="list-style-type: none"> Permanent bridge Good condition of existing bridge
10	06-01-04 Calangcang-Carugdog Bridge Km. 188 + 881.83 Calangcang-Carugdog Road Makato, Aklan	11.5	2 Barrel RCP	Good	10	10,343	55	Recommended	20.0	H-Beam Pile Foundation	Good	A	<ul style="list-style-type: none"> No difficulty in construction
11	106-01-16 Tigeo Bridge Km. 185 + 115 Makato National Road-Cajillo- Tigeo Road Makato, Aklan	13.8	Ft. Br. Timber	Bad	1	39,129	10	Not Recommended	18.0	H-Beam Pile Foundation	Good	A	<ul style="list-style-type: none"> No existing access road from Cajillo Barangay Road up to bridge site and no existing access road up from second approach Bridge replacement cannot be justified at this stage due to expected traffic Pedestrian bridge No traffic volume
12	06-01-17 Kabulihan Bridge Km. 248 + 876.07 Malay-Kabulihan Road Malay, Aklan	24	Ford	Passable	15	405	22	Not Recommended	20 + 20 + 20 = 60.0	PC Beam Spread Founda- tion	Bad	A	<ul style="list-style-type: none"> Very low socio-economic impact and will pass thru 3 temp. bridges No traffic volume
13	06-03-06 Sayoyan Bridge Km. 101 + 400 Capiz-Visan-Akian Road Visan, Capiz	21.70	Bailey	Bad	5	267,103	355	Not Recommended	30.0	Build-up Beam Pile Foundation	Good	A	<ul style="list-style-type: none"> Under program
14	06-03-07 Mejanilud Bridge Km. 108 + 700 Capiz-Akian Road Saplan, Capiz	25.00	Bailey	Bad	5	267,103	328	Not Recommended	30.0	Build-up Beam Pile Foundation	Fair	A	<ul style="list-style-type: none"> Under program

TABLE 2: SELECTED HIGH PRIORITY BRIDGES

NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			LOAD LIMIT (T)	NO. OF AFFECTED POPULATION	EVALUATED TRAFFIC VOLUME (ADT)	RESULT OF EVALUATION FOR URGENCY OF BRIDGE REPLACEMENT	BASIC OUTLINE OF BRIDGE		PRESENT CONDITION OF TRANSPORTATION ROUTE	PEACE AND ORDER CONDITION	REMARKS
		LENGTH (M)	TYPE	CONDITION					LENGTH (M)	TYPE OF BRIDGES			
15	06-04-10A Pandamon Bridge Km. 35 + 500 Bacolod-Murcia-D.S. Benedicto- San Carlos Bdry. Negros Occidental	12.30	Bailey	Under Repair	8	534,427	250	Highly Recommended	20 + 20 = 40.0	H-Beam • Spread Founda- tion	Fair	A	• 1 dilapidated bridge leading to construction site shall be repaired • Spillway on-going
18	06-04-09A Tayum-an Bridge Km. 25 + 850 Bacolod-Murcia-D.S. Benedicto- San Carlos Bdry. Negros Occidental	23.8	Spill- way	Fair	8	534,427	250	Highly Recommended	20 + 20 = 40	H-Beam • Pile Founda- tion	Fair	A	• 2 bridges leading to construction site shall be repaired
19	07-03-03 Cantabangan Bridge Km. 27 + 580 From Port of Tagbilaran City Catabacan-Antique Road Antique, Bohol	12.00	Bailey	Bad	5	52,814	1,800	Recommended High Priority	18 + 18 = 36.0	H-Beam • Pile Foundation	Fair	B	• Deteriorated sub-structure • No difficulty in construction • High traffic volume • High socio-economic impact
20	07-03-06 Hinabuyan Bridge Km. 68 + 000 From Port of Tagbilaran City Carmen-Danao Road Carmen, Bohol	12.20	Bailey	Bad	5	33,826	1,002	Recommended	18 + 18 = 36.0	H-Beam • Pile Foundation	Fair	B	• 1 dilapidated bridge leading to construction site shall be repaired
25	07-14-01 Cabawan Bridge Km. 8 + 820 Tagbilaran-Cabawan Road Tagbilaran, Bohol	10.70	Timber	Fair	2	11,675	619	Recommended	1 @ 18.0 = 18.0	H-Beam • Pile Foundation	Fair	B	• Deteriorated sub-structure • No difficulty in construction • High traffic volume • High socio-economic impact
26	07-06-04 Camp 4 Bridge Km. 17 + 927 Talisay-Toledo Road Talisay, Cebu II	61.50	S.S. Bailey	Fair	8	217,825	168	Not Recommended	35 + 35 = 70	Build-up Beam • Pile Foundation	Good	B	• Permanent bridge • Good condition of existing bridge
27	07-05-06A Graje Bridge Km. 75 + 180 Sagay-Borbon Road Borbon, Cebu II	28.80	Timber	Bad	5	23,239	200	Recommended	17 + 17 = 34.0	H-Beam • Pile Foundation	Fair	A	• No traffic volume

TABLE 2: SELECTED HIGH PRIORITY BRIDGES

NO.	BRIDGE NUMBER BRIDGE NAME BRIDGE LOCATION	PRESENT CONDITION OF BRIDGE			LOAD LIMIT (T)	NO. OF AFFECTED POPULATION	EVALUATED TRAFFIC VOLUME (ADT)	RESULT OF EVALUATION FOR URGENCY OF BRIDGE REPLACEMENT	BASIC OUTLINE OF BRIDGE		PRESENT CONDITION OF TRANSPORTATION ROUTE	PEACE AND ORDER CONDITION	REMARKS
		LENGTH (M)	TYPE	CONDITION					LENGTH (M)	TYPE OF BRIDGES			
28	07-08-08A Thaigo-Cailindagan Bridge Km. 3 + 422 Thaigo-Cailindagan Road Dumaguete City	32.30	Bailey	Washed-Out	5	80,282	400	Recommended	20 20.0 = 40.0	H-Beam Pile Foundation	Good	A	1 Bridge leading to construction site shall be repaired
29	07-09-07A City Pound Bridge Km. 6 + 248 Balupo-Vical Road Dumaguete City	10.00	Spillway	Fair	10	80,282	300	Recommended	18.0	H-Beam Pile Foundation	Good	A	The spillway is a short span only and in fair condition No difficulty in construction
31	07-15-07A Cablonon Bridge Km. 52 + 000 Toledo-Pinamungahan Road Toledo City	14.80	RIDGE	Fair	5	59,240	493	Recommended	18.0	H-Beam Pile Foundation	Good	A	Permanent Bridge Good condition of existing bridge
33	07-24-07A Canjubo Bridge Km. 63 + 410 Japas-Sierra Bullones Road Bacolod	12.00	Bailey	Bad	5	55,674	190	Recommended	18.0	H-Beam Pile Foundation	Fair	B	1 bridge leading to construction site shall be repaired
35	07-04-11A Carod Bridge Km. 88 + 238 Candjay-Mabini Road Candjay, Bohol II	37.80	Bailey	Bad	8	65,809	80	Recommended	15 + 15 + 15 = 45.0	H-Beam Pile Foundation	Fair	B	Deteriorated sub-structure and rusty bailey panels No difficulty in construction
36	07-04-12A Tipolo Bridge Km. 132 + 328 Ubay-Tapas Wharf Road Ubay, Bohol II	23.15	Timber	Bad	5	81,841	80	Recommended High Priority	15 + 15 = 30.0	H-Beam Pile Foundation	Fair	B	On-going development of Tapal Wharf No difficulty in construction Urgently needed
38	07-06-09A Yaya II Bridge Km. 53 + 030 Barili-Manubujan Road Barili, Cebu II	27.00	Bailey	Bad	5	47,569	128	Recommended High Priority	35.0	Build-up Beam Spread Foundation	Good	A	Deteriorated sub and super structure High-socio economic impact Important link road

Note:
 A - Japanese can always stay
 B - Japanese can stay only so meime
 C - Japanese can't go/stay/only local can go/stay
 D - Japanese and local cannot go/stay

APPENDIX 5

MINUTES
OF
FIELD
CO-INVESTIGATION



KATAHIRA & ENGINEERS INTERNATIONAL
TOKYO, JAPAN

Tsurukame Bldg. 4-2-8 Ginza
Chuo-ku, Tokyo, Japan
Cable Address: ENKATAHIRA TOKYO
Telephone: 03-563-4053
Telex: 2523838 KATAEG J
Facsimile: 03-563-4055

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Date: July 7, 1992

Gentlemen,

In connection with the Japan's Grant Aid, the Project for Constructing Bridges Along Rural Roads (Phase IV, Group 2), Katahira & Engineers International and representatives from DPWH (Central, Regional and District Offices) hereby agree on the following items for the construction of BANQUEROHAN Bridge;
05-02-04

1. The proposed centerline will be located at the downstream of the bridge.
2. The Right-of-Way Acquisition and removal of all obstructions (to be undertaken by the DPWH)
3. Location of proposed detour at existing bridge.
4. Highest Water Level, 1.00 m.
5. Location of Bore Holes Three (3) bore holes as indicated in the plan.

Attached herewith is the plan showing the above agreed items.

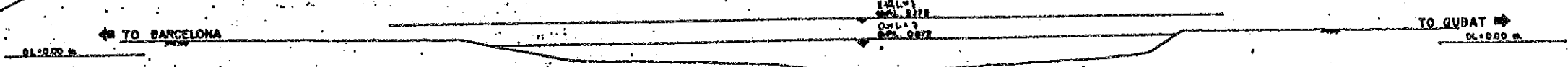
Names and signatures of Representatives are shown below.

DPWH Central Office
Mr. Edwin C. Matangahan
Mr. Edwin Fortes

DPWH Regional Office
Mr. Conrado M. Agero (Regional Director, Reg. V)
Mr. Jesus L. Montreal (Region V Office)

DPWH District Office
Mr. Boalerges Relativo (Dist. Engr. Surrogan)

Katahira & Engineers International
Mr. Masao Aizawa (Geotechnical Surveyor)
Mr. Kenji Sugawara (Topographic Surveyor)

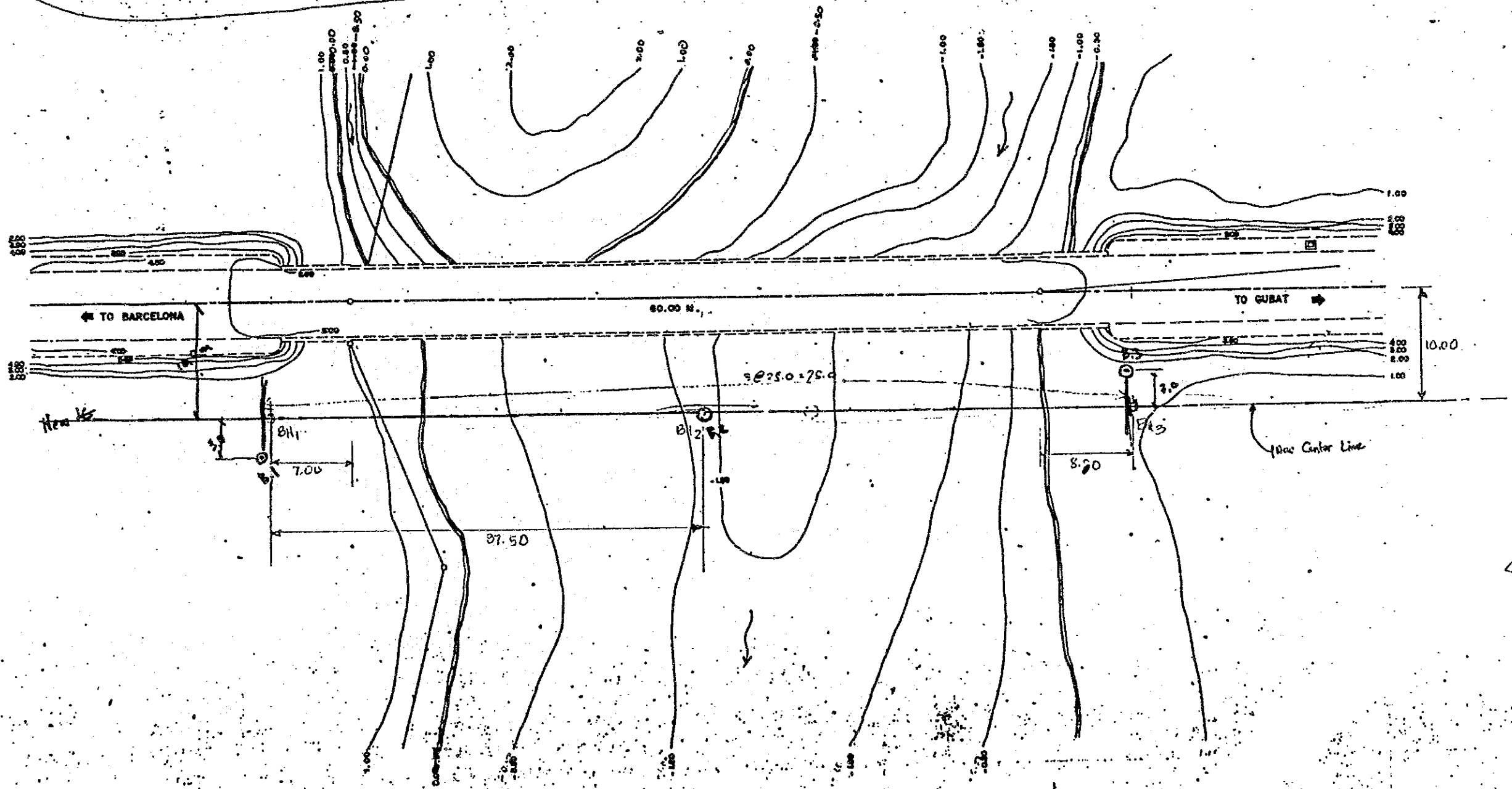


NOTE:

NO PROPOSED DETOUR. USE ALTERNATE ROUTE
 IROSIN - BULUSAN - BARCELONA ROAD.

GENERAL ELEVATION
 SCALE 1:200

- o Existing bridge will be used as with necessary supports.
- o Existing location of electric power transferal (relocated).
- o Existing clearance which is 2.0 water level to the concrete girder
- o Assume benchmark elevation
 ↓ from going down



GENERAL PLAN
 SCALE 1:200

- Existing bridge will be used as a detour with necessary supports.
 - Existing location of electric posts should be transferred (relocated).
 - Existing clearance which is 2.0 m from highest water level to the concrete girder will be adopted.
 - Assume benchmark elevation is 4.80 m
- 4.0m going down

[Signature]
 Mr. Masao Aizawa
 Geotechnical Surveyor (KER)

[Signature]
 Mr. Kichijiro Sugawara
 Topographic Surveyor (KER)

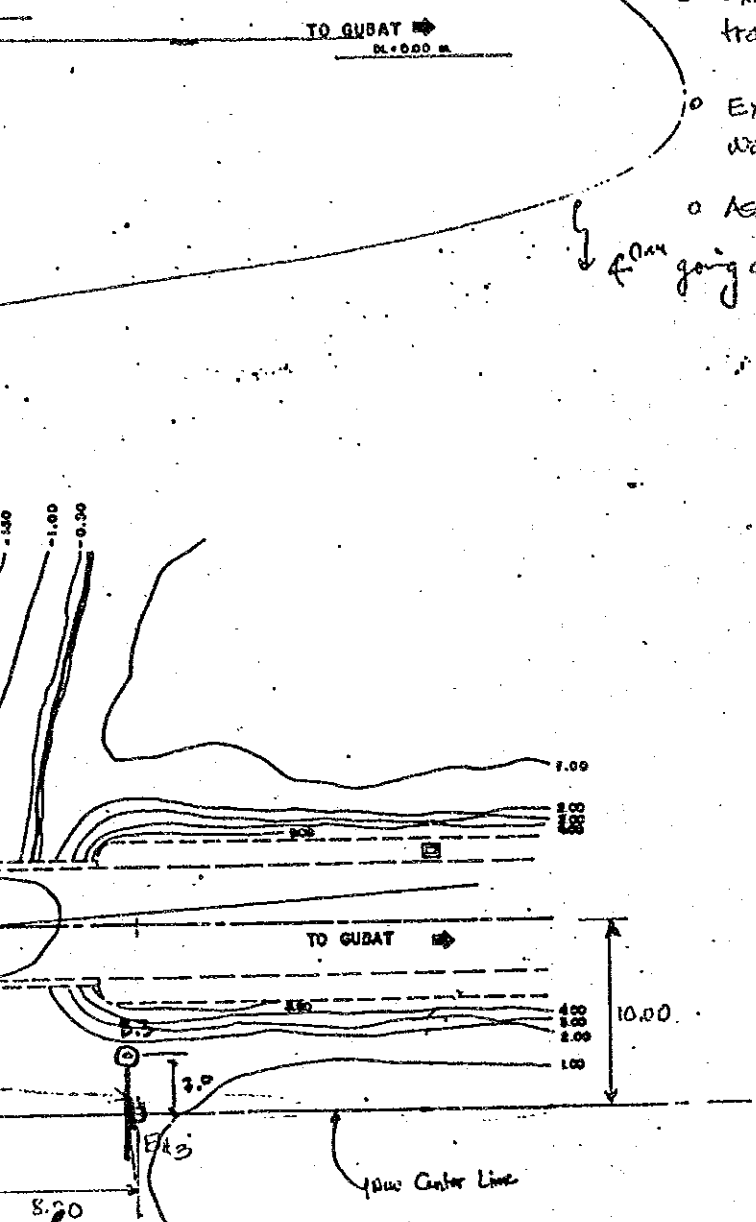
[Signature]
 Mr. Edwin C. Matangulhan
 Engr. IV, DPWH Central Office (B.O.D.)

[Signature]
 Mr. Edwin Fortes
 Engr. III, DPWH Central Office (P.S.)

[Signature]
 Mr. Bonerados Relativo
 DPWH District Engr., Sorsogon District, Reg. V

[Signature]
 Mr. Jesus L. Monteal
 DPWH Region V Office

[Signature]
 Mr. Conrado L. Ayera
 DPWH Region VI Director



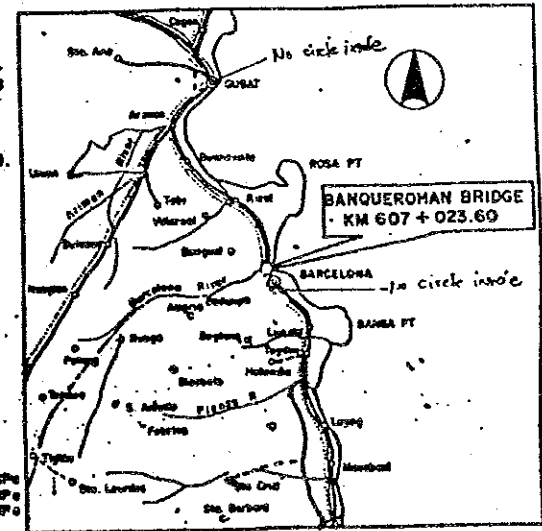
GENERAL NOTES

- LOCATION OF BRIDGE SHOULD BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH)
- STRUCTURAL DIMENSIONS OF SUPERSTRUCTURES SHOULD NOT BE AMENDED.
- TYPES AND DIMENSIONS OF SUBSTRUCTURES SHALL BE JUSTIFIED ACCORDING TO THE DETAILED DESIGN OF SUBSTRUCTURE PREPARED BY DPWH.
- VERTICAL CLEARANCE BETWEEN THE N.F.L. AND THE BOTTOM OF THE GIRDERS OF THE SUPERSTRUCTURE SHALL BE NOT LESS THAN 1.0 METER (CARRYING NO BIG DEBRIS).
- DESIGN SPECIFICATION
 AASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGE (14th EDITION 1989).
- DESIGN LOAD

DEAD LOAD	CONCRETE	23.54 KN/m ³
	FILL MATERIALS	17.86 KN/m ³
LIVE LOAD	ROADWAY LIVE LOAD	HS 20-44 (HS-18)
	SIDEWALK LIVE LOAD	7.87 kN/m ²

 TEMPERATURE CHANGE
 RISE + 10°, FALL - 10°
 EARTHQUAKE LOAD
 IN ACCORDANCE WITH "GUIDELINE FOR SEISMIC DESIGN OF BRIDGES"
 OTHER LOADS IN ACCORDANCE WITH 1989 AASHTO SPECIFICATION.
- MATERIALS

STEEL FOR SUPERSTRUCTURES	STEEL SHALL BE SPECIFIED BY JIS (JAPANESE INDUSTRIAL STANDARD).
CONCRETE	CONCRETE FOR PRESTRESSED CONCRETE GIRDER f _c '=34.5 MPa CONCRETE FOR DECK SLAB f _c '=20.7 MPa CONCRETE FOR SUBSTRUCTURE f _c '=20.7 MPa
OTHERS:	OTHER MATERIALS SHALL CONFORMED TO ASTM.



DRAWINGS
 ALL DIMENSIONS ARE EXPRESS IN MILLIMETER UNLESS OTHERWISE SHOWN IN THE PLANS.
 ALL ELEVATIONS ARE IN METERS.



KATAHIRA & ENGINEERS INTERNATIONAL
TOKYO, JAPAN

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Telephone: 03-583-4033
Telex: 2523838 KATAEG J
Facsimile: 03-583-4035

2

Date: July 9, 1992

Gentlemen,

In connection with the Japan's Grant Aid, the Project for Constructing Bridges Along Rural Roads (Phase IV, Group 2), Katahira & Engineers International and representatives from DPWH (Central, Regional and District Offices) hereby agree on the following items for the construction of HITOMA Bridge;
05-03-01

1. The proposed centerline will be located at the downstream side of the bridge.
2. The Right-of-Way Acquisition and removal of all obstructions (to be undertaken by the DPWH)
3. Location of proposed detour at existing bridge.
4. Highest Water Level, 10.11 m.
5. Location of Bore Holes Three bore holes as indicated in the plan

Attached herewith is the plan showing the above agreed items.

Names and signatures of Representatives are shown below.

DPWH Central Office

Mr. Edwin S. Matambullo (Engr. IV B.O.P.)

Mr. Edwin Fortes (Engr. III, P.S.)

DPWH Regional Office

Mr. Roberto M. Mitra (Engr. III, R.P.M.O. Reg.V.)

Ms. Soledad L. Reyes-Poco (Chief Planning & Design Div.)

Mr. Domingo R. Villaseñor (Asst. Director for Services, Reg.V)

DPWH District Office

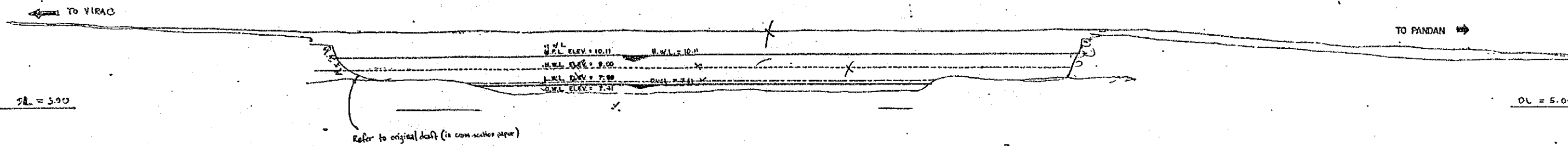
Mr. Mariano S. Sarda (District Engr. Catanduanes Engr. Dist.)

Mr. Monica Genogaling (Engr. III Planning & Design Catanduanes Engr. District)

Katahira & Engineers International

Mr. Masao Aizawa (Geotechnical Surveyor)

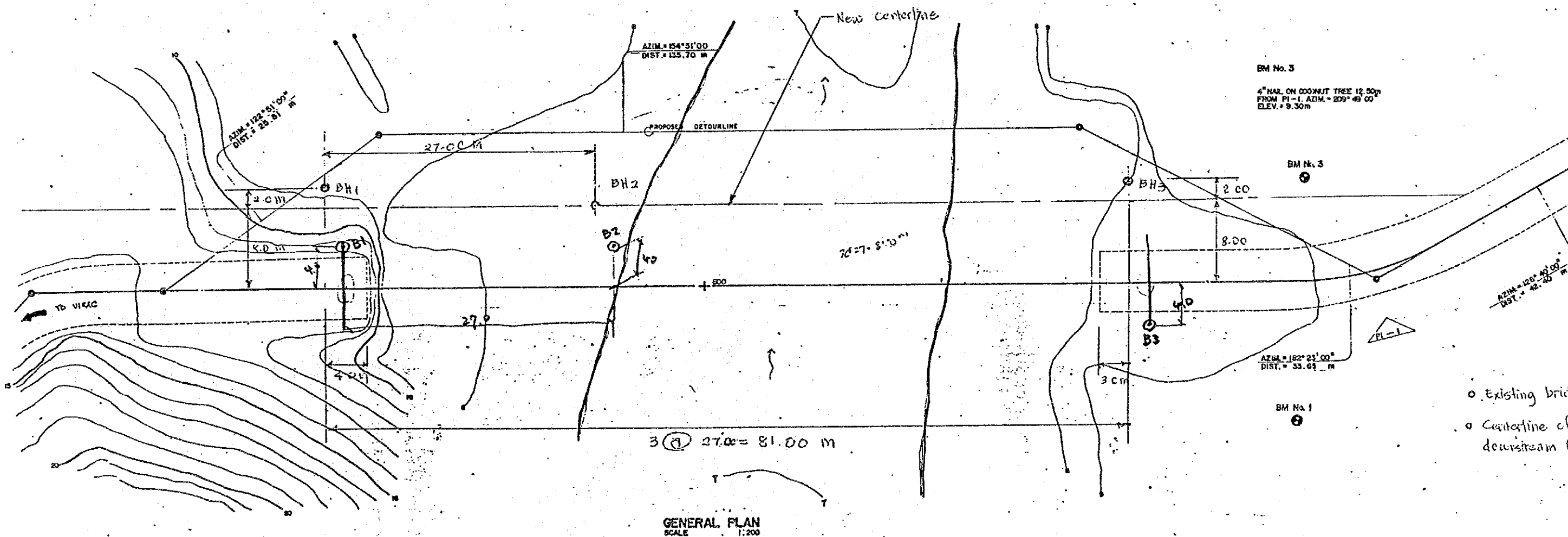
Mr. Kenji Sugawara (Topographic Surveyor)



NOTE:
SLOPE OF REVENMENTS SHALL BE DETERMINED BASED ON SOIL CONDITIONS.

LEGEND:
 ——— CENTERLINE
 - - - - - DOWNSTREAM
 - - - - - UPSTREAM

GENERAL ELEVATION
SCALE 1:200



GENERAL PLAN
SCALE 1:200

THE BASIC DESIGN STUDY ON THE PROJECT
FOR CONSTRUCTING BRIDGES ALONG RURAL ROADS (PHASE IV, GROUP I)

BRIDGE NO. 05-03-01	HITOMA BRIDGE CARAMORAN, CATANDUANES	SHEET NO.
------------------------	---	-----------

M. Masao Alzawa
Mr. Masao Alzawa
Geotechnical Surveyor (KEI)

E. C. Matalguihan
Mr. Edwin C. Matalguihan
Engr. IV, DPWH Central Office (B.O.D)

K. Suganaga
Mr. Kenji Suganaga
Topographic Surveyor (KEI)

E. Fortes
Mr. Edwin Fortes
Engr. III, DPWH Central Office (P.S.)

M. Genogating
Mr. Norito Genogating
Engr. III, DPWH Catanduanes Engg. Dist.

S. Uy-Boco
Ms. Soledad V. Uy-Boco
Chief of Planning & Design Division (Reg.V)

M. S. Sabet
Mr. Mariano S. Sabet
District Engr. DPWH Catanduanes Engg. District

D. R. Villosenor
Mr. Domingo R. Villosenor
DPWH Asst. Reg'l. Director for Services Reg. V Office

R. Mitra
Mr. Roberto M. Mitra
Engr. III DPWH, R.P.M.O. Reg. V

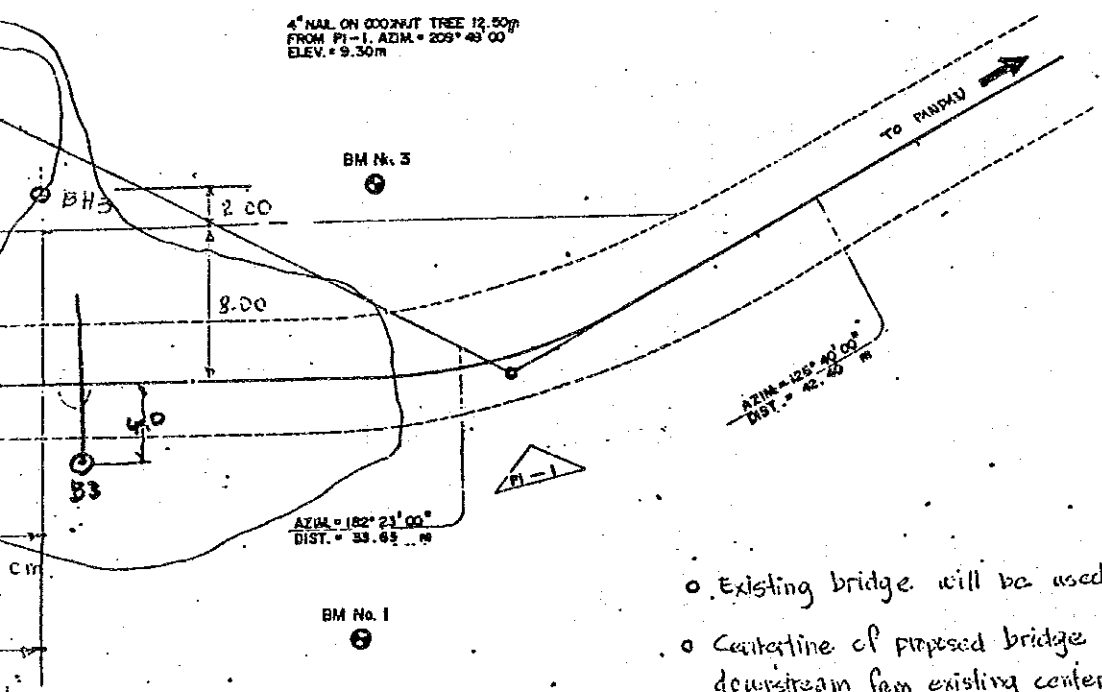
TO PANDAN →

DL = 5.00

NOTE:
SLOPE OF REVETMENTS
SHALL BE DETERMINED
BASED ON SOIL CONDITIONS.

LEGEND:
—— CENTERLINE
—— DOWNSTREAM
—— UPSTREAM

BM No. 3
4" NAIL ON GOODRIT TREE 12.50m
FROM P1-1, AZIM. = 209° 43' 00"
ELEV. = 9.30m



- Existing bridge will be used as abutment.
- Centerline of proposed bridge is located 5.00m downstream from existing centerline of bridge.

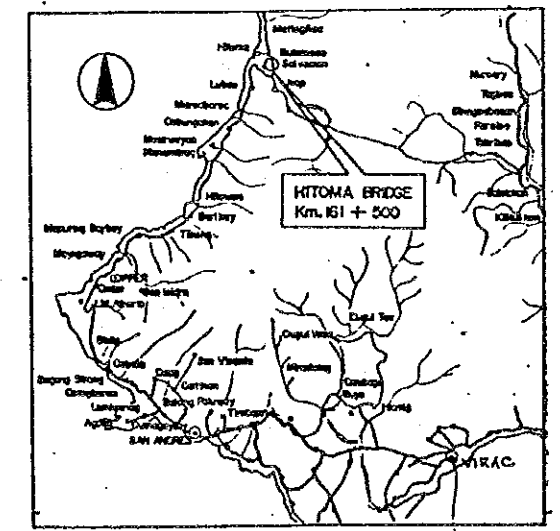
DRAWINGS
ALL DIMENSIONS ARE EXPRESS IN MILLIMETERS
UNLESS OTHERWISE SHOWN IN THE PLANS.
ALL ELEVATIONS ARE IN METERS.

GENERAL NOTES

- LOCATION OF BRIDGE SHOULD BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH).
- STRUCTURAL DIMENSIONS OF SUPERSTRUCTURES SHOULD NOT BE AMENDED.
- TYPES AND DIMENSIONS OF SUBSTRUCTURES SHALL BE JUSTIFIED ACCORDING TO THE DETAILED DESIGN OF SUBSTRUCTURES PREPARED BY DPWH.
- VERTICAL CLEARANCE BETWEEN THE M.F.L. AND THE BOTTOM OF THE ORDERS OF THE SUPERSTRUCTURE SHALL BE NOT LESS THAN 1.0 METER (CARRYING NO BIG DEBRIS).
- DESIGN SPECIFICATION
AASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGE (14th EDITION 1993)
- DESIGN LOAD

DEAD LOAD	CONCRETE	23.54 KN/m ³
	FILL MATERIALS	17.66 KN/m ³
LIVE LOAD	ROADWAY LIVE LOAD	HS 20-44 (MS B)
	SIDEWALK LIVE LOAD	2.873 KN/m ²
TEMPERATURE CHANGE	RISE + 0°	FALL - 10°
EARTHQUAKE LOAD	IN ACCORDANCE WITH "GUIDELINE FOR SEISMIC DESIGN OF BRIDGES"	
OTHER LOADS	IN ACCORDANCE WITH 1989 AASHTO SPECIFICATION	
- MATERIALS

STEEL FOR SUPERSTRUCTURE	STEEL SHALL BE SPECIFIED BY JIS (JAPANESE INDUSTRIAL STANDARD)	
CONCRETE	CONCRETE FOR PRESTRESSED CONCRETE ORDER f' _c = 34.5 MPa	
	CONCRETE FOR DECK SLAB f' _c = 20.7 MPa	
	CONCRETE FOR SUBSTRUCTURE f' _c = 20.7 MPa	
OTHERS	OTHER MATERIALS SHALL CONFORMED TO ASTM	



VICINITY MAP



KATAHIRA & ENGINEERS INTERNATIONAL
TOKYO, JAPAN

3

Teurukema Bldg, 4-2-8 Ginza
Chuo-ku, Tokyo, Japan
Cable Address: ENKATAHIRA TOKYO
Telephone: 03-563-4033
Telex: 2523638 KATAEQ J
Facsimile: 03-563-4035

Date: July 10, 1992

Gentlemen,

In connection with the Japan's Grant Aid, the Project for Constructing Bridges Along Rural Roads (Phase IV, Group 2), Katahira & Engineers International and representatives from DPWH (Central, Regional and District Offices) hereby agree on the following items for the construction of LANANG Bridge;
05-06-04

1. The proposed centerline will be located ~~at the~~ as indicated in the plan of the bridge.
2. The Right-of-Way Acquisition and removal of all obstructions (to be undertaken by the DPWH)
3. Location of proposed detour at existing spillway.
4. Highest Water Level, 18.82 m.
5. Location of Bore Holes Three boring holes, as indicated, in the plan

Attached herewith is the plan showing the above agreed items.

Names and signatures of Representatives are shown below.

DPWH Central Office

Mr. Adriano Dorado (Engr. IV, B.O.P.)
Mr. Edwin Fortes (Engr. III, R.S.)

DPWH Regional Office

Ms. Soledad M. Boco (Chief, Planning & Design Div)
Mr. Domingo R. Villaseñor (Asst. Regl. Director for Services, Reg. V)

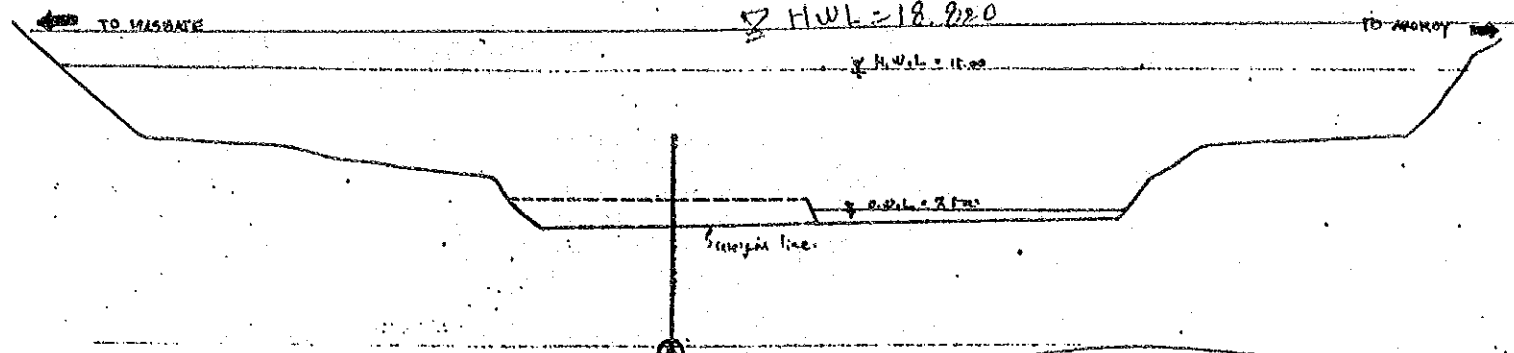
DPWH District Office

Mr. Solano A. Legaspi (Engr. III, P.D.S. (Mech) Engr. Div)
Mr. Vicente A. Bautista (Engr. II, P.D.S. (Mech) Engr. Div)

Katahira & Engineers International

Mr. Masao Mizawa (Geotechnical Surveyor)
Mr. Kenji Sugawara (Topographic Surveyor)

Note: How about H.W.L. & O.W.L.



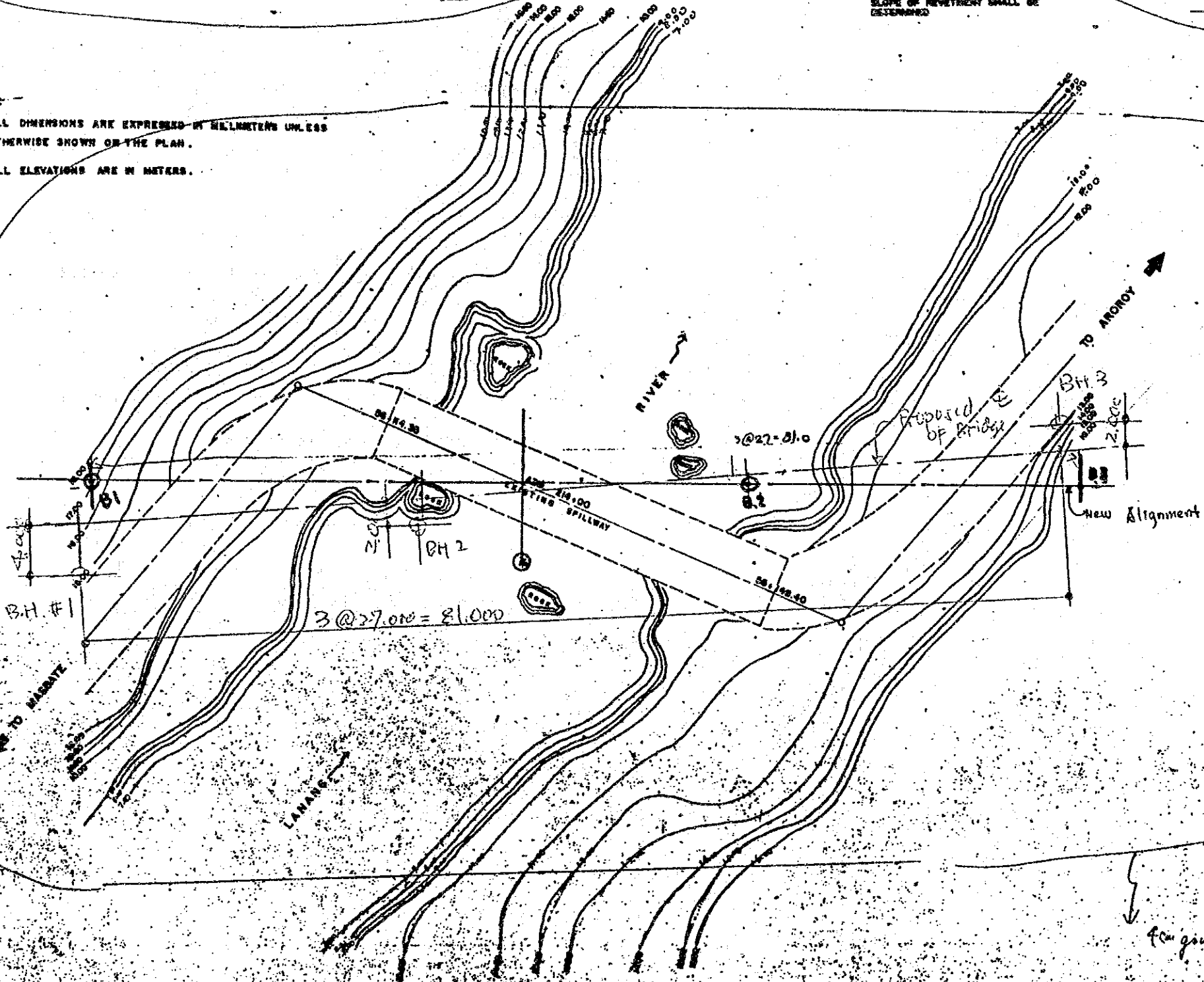
GENERAL ELEVATION SCALE 1:500

NOTE: SLOPE OF REINFORCEMENT SHALL BE DETERMINED

LEGEND: — CENTERLINE

NOTE: —

ALL DIMENSIONS ARE EXPRESSED IN MILLIMETERS UNLESS OTHERWISE SHOWN ON THE PLAN.
ALL ELEVATIONS ARE IN METERS.



GENERAL PLAN SCALE 1:500

for going down

- o Existing spillway will be
- o Strengthening of temporary bridge site will be the r the D.P.W.H.
- o Skew angle is approximately

DRAWINGS: ALL DIMENSIONS ARE EXPRESSED IN MILLIMETERS UNLESS OTHERWISE SHOWN ON THE PLAN. ALL ELEVATIONS ARE IN METERS.

BRIDGE NO.	LANANG BRIDGE ARORAY, MASBATE	SHEET NO.
05-08-04		

Masao Aizawa
Mr. Masao Aizawa
Geotechnical Surveyor (KEI)

Kenji Sugawara
Mr. Kenji Sugawara
Topographic Surveyor (KEI)

Adriano Doroy
Mr. Adriano Doroy
Engr. IV, DPWH Central Office (B.O.D.)

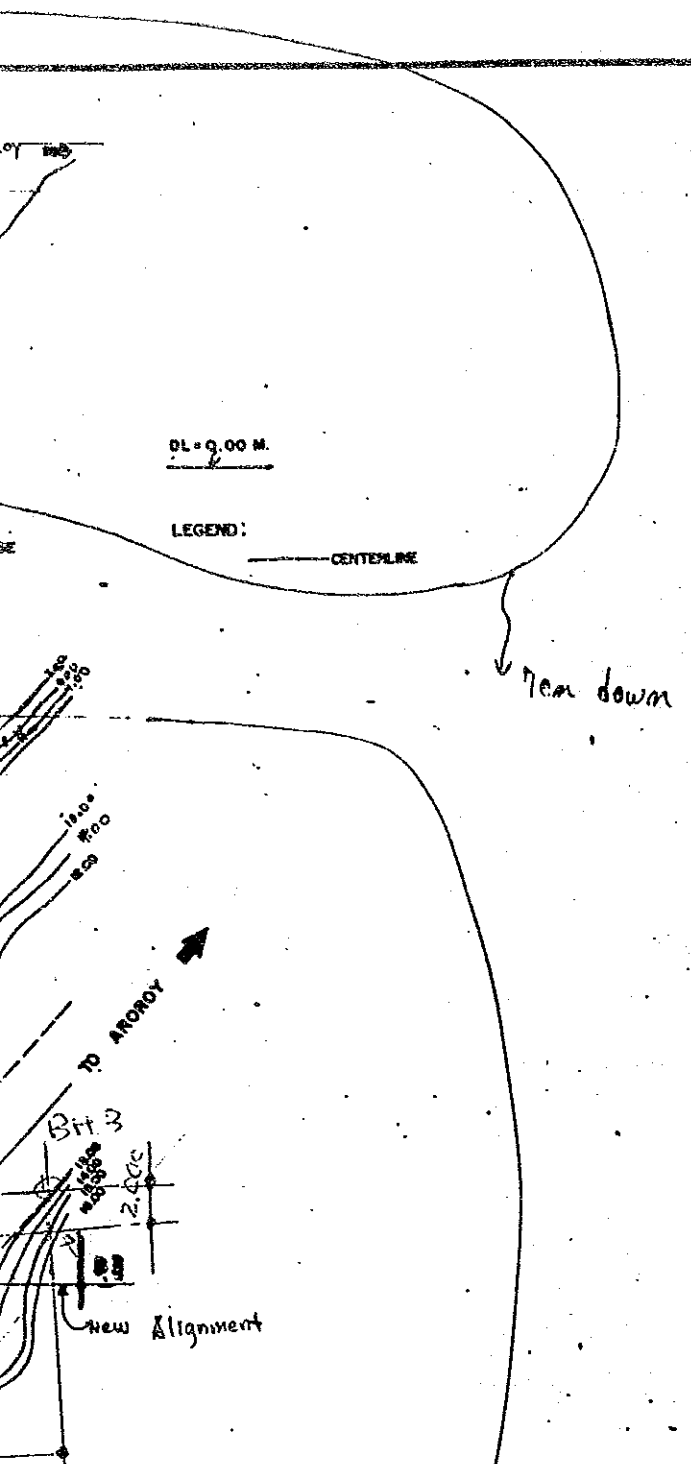
Edwin Forbes
Mr. Edwin Forbes
Engr. III, DPWH Central Office (P.S.)

Sabido A. Legaspi
Mr. Sabido A. Legaspi
Engr. III, DPWH Masbate Engg. Dist. (PDS)

Vicente A. Lubaton
Mr. Vicente A. Lubaton
Engr. II, DPWH Masbate Engg. Dist. (PDS)

Siedad B. Uy-Boco
Ms. Siedad B. Uy-Boco
Chief, Planning & Design Division, DPWH, Reg. V Office

Domingo R. Villaseñor
Mr. Domingo R. Villaseñor
DPWH, Asst. Regl. Director for Services, Reg. V Office



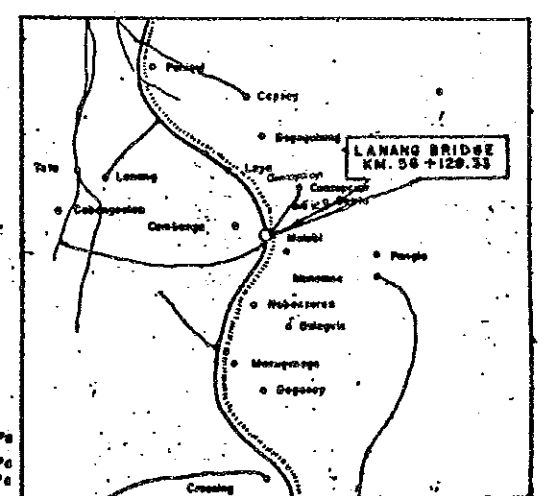
- o Existing spillway will be used as detour.
- o Strengthening of temporary bridges leading to bridge site will be the responsibility of the D.P.W.H.
- o Skew angle is approximately 45°

GENERAL NOTES

1. LOCATION OF BRIDGE SHOULD BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH)
2. STRUCTURAL DIMENSIONS OF SUPERSTRUCTURES SHOULD NOT BE AMENDED.
3. TYPES AND DIMENSIONS OF SUBSTRUCTURES SHALL BE JUSTIFIED ACCORDING TO THE DETAILED DESIGN OF SUBSTRUCTURE PREPARED BY DPWH.
4. VERTICAL CLEARANCE BETWEEN THE H.F.L. AND THE BOTTOM OF THE GIRDERS OF THE SUPERSTRUCTURE SHALL BE NOT LESS THAN 1.0 METER (CARRYING NO BIG DEBRIS).
5. DESIGN SPECIFICATION
AASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGE (14TH EDITION 1988).
6. DESIGN LOAD

DEAD LOAD	CONCRETE	25.04 KN/m ³
	STEEL MATERIALS	17.88 KN/m ³
	CONCRETE PAVEMENT	23.54 KN/m ³
LIVE LOAD	ROADWAY LIVE LOAD	HS 20-44 (MS-18)
	SIDEWALK LIVE LOAD	2.833 KN/m ²
- TEMPERATURE CHANGE
RISE +10°, FALL -10°
- EARTHQUAKE LOAD
IN ACCORDANCE WITH "GUIDELINE FOR SEISMIC DESIGN OF BRIDGES"
- OTHER LOADS: IN ACCORDANCE WITH 1989 AASHTO SPECIFICATION.
7. MATERIALS

STEEL FOR SUPERSTRUCTURE	STEEL SHALL BE SPECIFIED BY JIS (JAPANESE INDUSTRIAL STANDARDS)
CONCRETE	CONCRETE FOR PRESTRESSED CONCRETE ORDER f _c ' = 34.8 MPa
	CONCRETE FOR DECK SLAB f _c ' = 20.7 MPa
	CONCRETE FOR SUBSTRUCTURE f _c ' = 20.7 MPa
OTHERS:	OTHER MATERIALS SHALL CONFORM TO ASTM.



VICINITY MAP

DRAWINGS:
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETERS UNLESS OTHERWISE SHOWN ON THE PLAN.
ALL ELEVATIONS ARE IN METERS.



KATAHIRA & ENGINEERS INTERNATIONAL
 TOKYO, JAPAN

4

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 Chuo-ku, Tokyo, Japan
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 Telephone: 03-563-4053
 Telex: 2523836 KATAEJ J
 Facsimile: 03-563-4055

Date: July 10, 1992

Gentlemen,

In connection with the Japan's Grant Aid, the Project for Constructing Bridges Along Rural Roads (Phase IV, Group 2), Katahira & Engineers International and representatives from DPWH (Central, Regional and District Offices) hereby agree on the following items for the construction of POTOT Bridge;
05-06-05

1. The proposed centerline will be located at the upstream side of the bridge.
2. The Right-of-Way Acquisition and removal of all obstructions (to be undertaken by the DPWH)
3. Location of proposed detour at existing bridge.
4. Highest Water Level, 18.63 m.
5. Location of Bore Holes Three boring holes as indicated in the plan.

Attached herewith is the plan showing the above agreed items.

Names and signatures of Representatives are shown below.

DPWH Central Office

Mr. Adriano Doran (Engr. IV, P.D.P.)
Mr. Edwin Fortes (Engr. VI, P.S.)

DPWH Regional Office

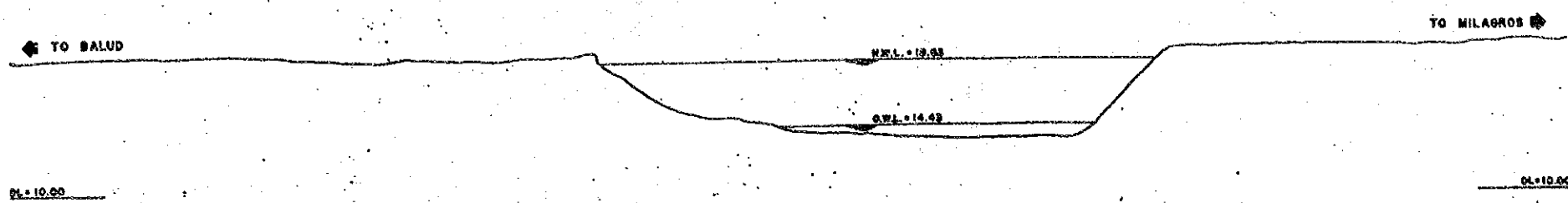
Ms. Soledad G. Bay-Bocob (Chief of Planning & Design Div, Reg. V)
Mr. Domingo R. Villaseñor (Asst. Regl. Director for Services, Reg. V)

DPWH District Office

Mr. Salcedo A. (Engr. III, Masbate Engr. Dist, P.D.S.)
M. Vicente A. (Engr. II, Masbate Engr. Dist, P.D.S.)

Katahira & Engineers International

Mr. Masao Mizawa (Geotechnical Surveyor)
Mr. Kenji Sugawara (Topographic Surveyor)



GENERAL ELEVATION SCALE 1:200

Mr. Masao Aizawa
Geotechnical Surveyor (KEI)

Mr. Kenji Sugawara
Topographic Surveyor (KEI)

Mr. Adriano
Engr. IV, DPW

Mr. Edwin
Engr. III, DPW

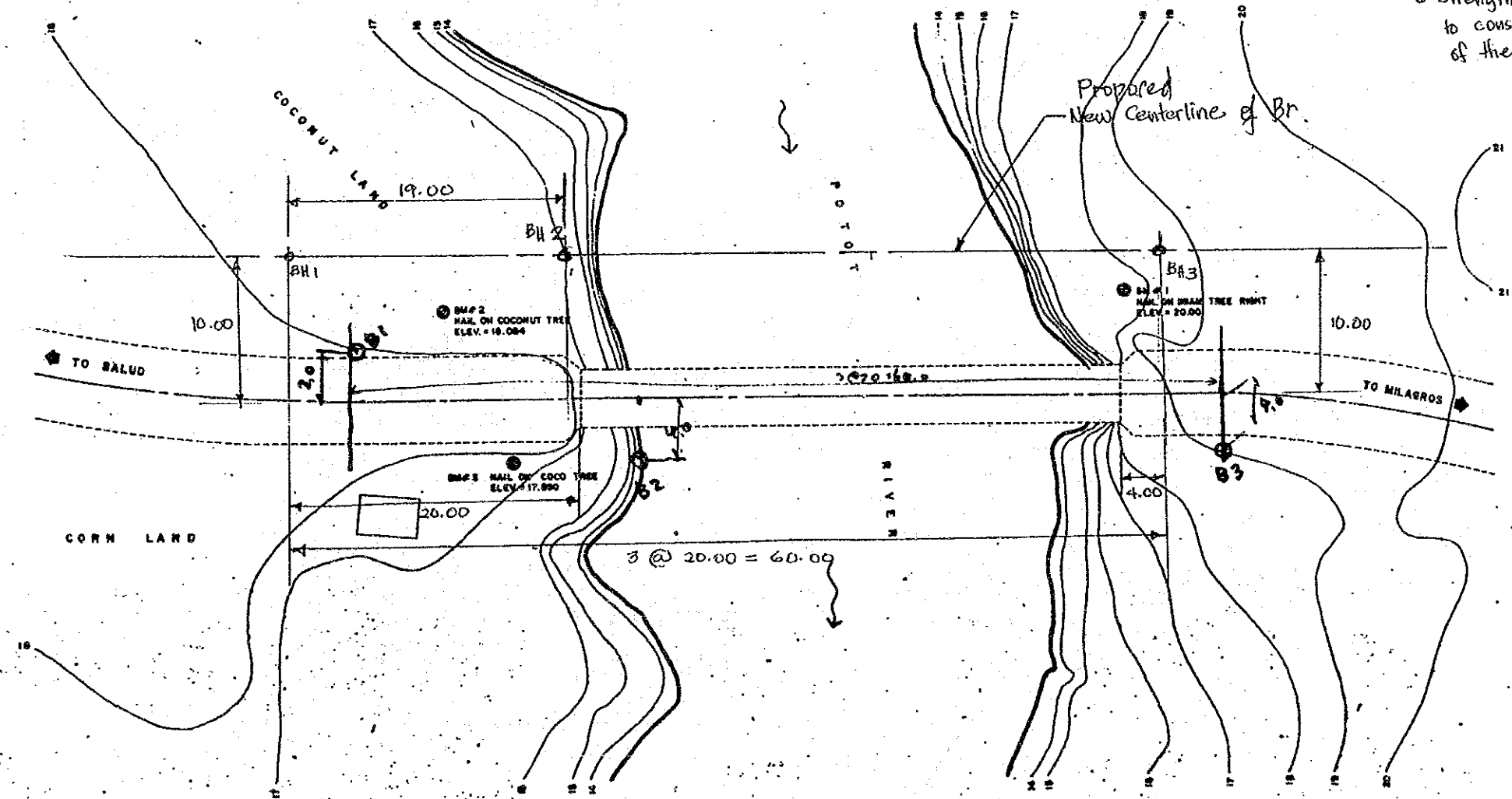
Mr. Salsedo
Engr. III, DPW

Mr. Vicente
Engr. II, DPW

Ms. Soledad
Chief of P...

Mr. Domingo
PPWH Asst.

Existing bridge will be used as the detour.
Strengthening of temporary bridges leading to construction site will be the responsibility of the D.P.W.H.



GENERAL PLAN SCALE 1:200

GENERAL NOTES

- LOCATION OF BRIDGE SHOULD BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH).
- STRUCTURAL DIMENSIONS OF SUPERSTRUCTURES SHOULD NOT BE AMENDED.
- TYPES AND DIMENSIONS OF SUBSTRUCTURES SHALL BE JUSTIFIED ACCORDING TO THE DETAILED DESIGN OF SUBSTRUCTURES PREPARED BY DPWH.
- VERTICAL CLEARANCE BETWEEN THE M.U.L. AND THE BOTTOM OF THE SPINDERS OF THE SUPERSTRUCTURES SHALL BE NOT LESS THAN 10 METER (CARRYING NO BRIDGE).
- DESIGN SPECIFICATION
- AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGE (14th EDITION 1988).
- DESIGN LOADS:

DEAD LOAD	CONCRETE	23.24 KN/m ²
	FILL MATERIALS	17.86 KN/m ²
LIVE LOAD	ROADWAY LIVE LOAD	HS 20-44 (MS-10)
	SIDEWALK LIVE LOAD	2.873 KN/m ²
- TEMPERATURE CHANGE: RISE +10°, FALL -10°
- EARTHQUAKE LOAD: IN ACCORDANCE WITH "GUIDELINE FOR SEISMIC DESIGN OF BRIDGES"
- OTHER LOADS: IN ACCORDANCE WITH 1989 AASHTO SPECIFICATION
- MATERIALS:

STEEL FOR SUPERSTRUCTURE	STEEL SHALL BE SPECIFIED BY JIS (JAPANESE INDUSTRIAL STANDARD)
CONCRETE	CONCRETE FOR PRESTRESSED CONCRETE GIRDER AND DECK SLAB: f _c = 34.8 MPa, f _t = 30.7 MPa
	CONCRETE FOR SUBSTRUCTURE: f _c = 20.7 MPa
OTHERS	OTHER MATERIALS SHALL CONFORMED TO ASTM

THE BASIC DESIGN STUDY ON THE PROJECT
FOR CONSTRUCTING BRIDGES ALONG RURAL ROADS (PHASE IV, GROUP II)

BRIDGE NO. 05-08-05	POTOT BRIDGE MILAGROS, MASBATE	SHEET NO.
------------------------	-----------------------------------	-----------

M. Masao Aizawa
Mr. Masao Aizawa
Geotechnical Surveyor (K&E)

Kenji Sugawara
Mr. Kenji Sugawara
Topographic Surveyor (K&E)

Adriano Doroy
Mr. Adriano Doroy
Engr. IV, DPWH Central Office (B.O.D.)

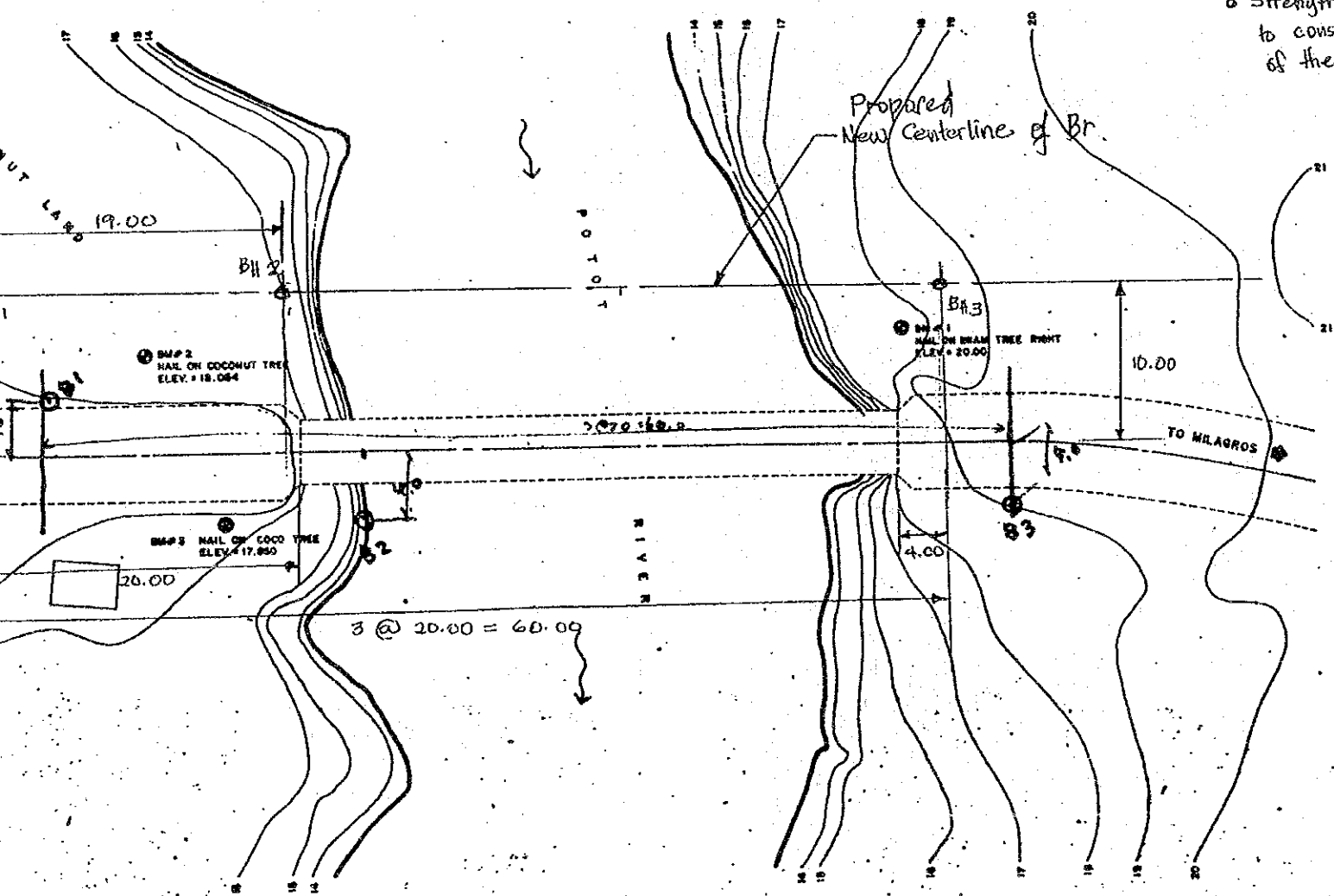
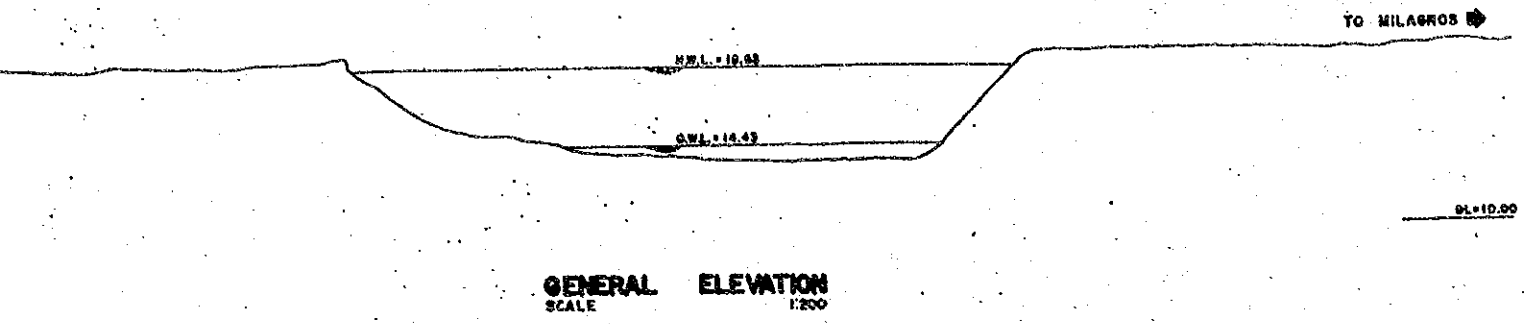
Edwin Fortes
Mr. Edwin Fortes
Engr. III, DPWH Central Office (P.S.)

Salcedo A. Legaspi
Mr. Salcedo A. Legaspi
Engr. III, DPWH Masbate Engg. District (Planning & Design)

Vicente A. Ubaton
Mr. Vicente A. Ubaton
Engr. II, DPWH Masbate Engg. District (Planning & Design)

Solcedo L. Uy-Boco
Ms. Solcedo L. Uy-Boco
Chief of Planning & Design Div., Reg. V Office

Domingo R. Villaseñor
Mr. Domingo R. Villaseñor
DPWH Asst. Regl. Director for Services, Reg. V Office



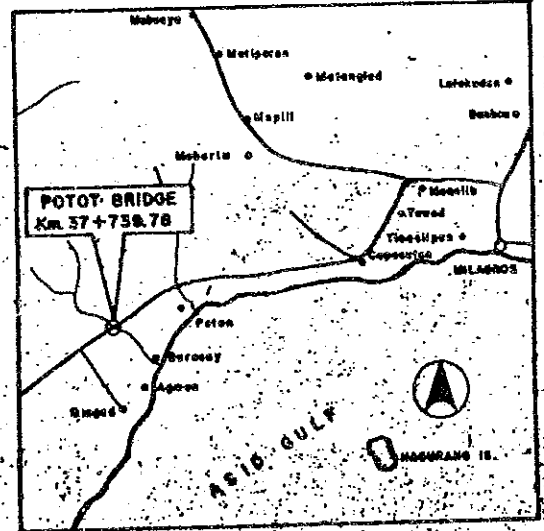
- Existing bridge will be used as the detour.
- Strengthening of temporary bridges leading to construction site will be the responsibility of the D.P.W.4.

GENERAL NOTES

- LOCATION OF BRIDGE SHOULD BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH).
- STRUCTURAL DIMENSIONS OF SUPERSTRUCTURES SHOULD NOT BE AMENDED.
- TYPES AND DIMENSIONS OF SUBSTRUCTURES SHALL BE JUSTIFIED ACCORDING TO THE DETAILED DESIGN OF SUBSTRUCTURES PREPARED BY DPWH.
- VERTICAL CLEARANCE BETWEEN THE M.F.L. AND THE BOTTOM OF THE GIRDERS OF THE SUPERSTRUCTURES SHALL BE NOT LESS THAN 10 METER (CARRYING NO BIG DECKING).
- DESIGN SPECIFICATION
ASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGE (14th EDITION 1988).
- DESIGN LOAD

DEAD LOAD:	CONCRETE	25.24 KN/m ³
	FILL MATERIALS	17.88 KN/m ³
LIVE LOAD:	ROADWAY LIVE LOAD	19.20 - 44 (MS - 18)
	SIDEWALK LIVE LOAD	2.273 KN/m ²
- TEMPERATURE CHANGE:
RISE +10°, FALL -10°
- EARTHQUAKE LOAD:
IN ACCORDANCE WITH GUIDELINE FOR SEISMIC DESIGN OF BRIDGES.
- OTHER LOADS: IN ACCORDANCE WITH 1988 ASHTO SPECIFICATION.
- MATERIALS

STEEL FOR SUPERSTRUCTURE:	STEEL SHALL BE SPECIFIED BY JIS (JAPANESE INDUSTRIAL STANDARD).
CONCRETE:	CONCRETE FOR PRESTRESSED CONCRETE GIRDER $f'_c = 34.5 \text{ MPa}$ AND DECK SLAB $f'_c = 20.7 \text{ MPa}$
OTHERS:	OTHER MATERIALS SHALL CONFORMED TO ASTM.



VICINITY MAP



KATAHIRA & ENGINEERS INTERNATIONAL
TOKYO, JAPAN

5

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Telex: 2523636 KATAEQ J
Facsimile: 03-563-4035

Date: July 4, 1992

Gentlemen,

In connection with the Japan's Grant Aid, the Project for Constructing Bridges Along Rural Roads (Phase IV, Group 2), Katahira & Engineers International and representatives from DPWH (Central, Regional and District Offices) hereby agree on the following items for the construction of LAWIGAN Bridge;
06-06-04

1. The proposed centerline will be located at the as shown in the plan of the bridge.
2. The Right-of-Way Acquisition and removal of all obstructions (to be undertaken by the DPWH)
3. Location of proposed detour at ^{upstream} ~~downstream~~ of existing bridge
4. Highest Water Level, 3.922 m.
5. Location of Bore Holes (3) Three holes as indicated in the plan

Attached herewith is the plan showing the above agreed items.

Names and signatures of Representatives are shown below.

DPWH Central Office

[Signature]
Mr. Edwin Makangulhan (Engr. IV BOD)

[Signature]
Mr. Edwin Forbes (Engr. VI P.S.)

DPWH Regional Office

[Signature]
Mr. Ernesto A. Sivela (Regional Director, Region VI)

[Signature]
Mr. Cecil Caligan (Engr. III Planning & Design, Region VI)

DPWH District Office

[Signature]
Mr. Rudy G. Canashillo (District Engr. I, Iloilo 1st)

[Signature]
Mr. Elmer S. Sibero (Engr. III Const. Section, Iloilo 1st)

Katahira & Engineers International

[Signature]
Mr. Masao Aizawa (Geotechnical Surveyor)

[Signature]
Mr. Kenji Sugawara (Topographic Surveyor)

← TO SAN JOAQUIN (ILOILO)

$R_L = 0.00$

Continuous lines (not broken)

H.W.L. 29.922

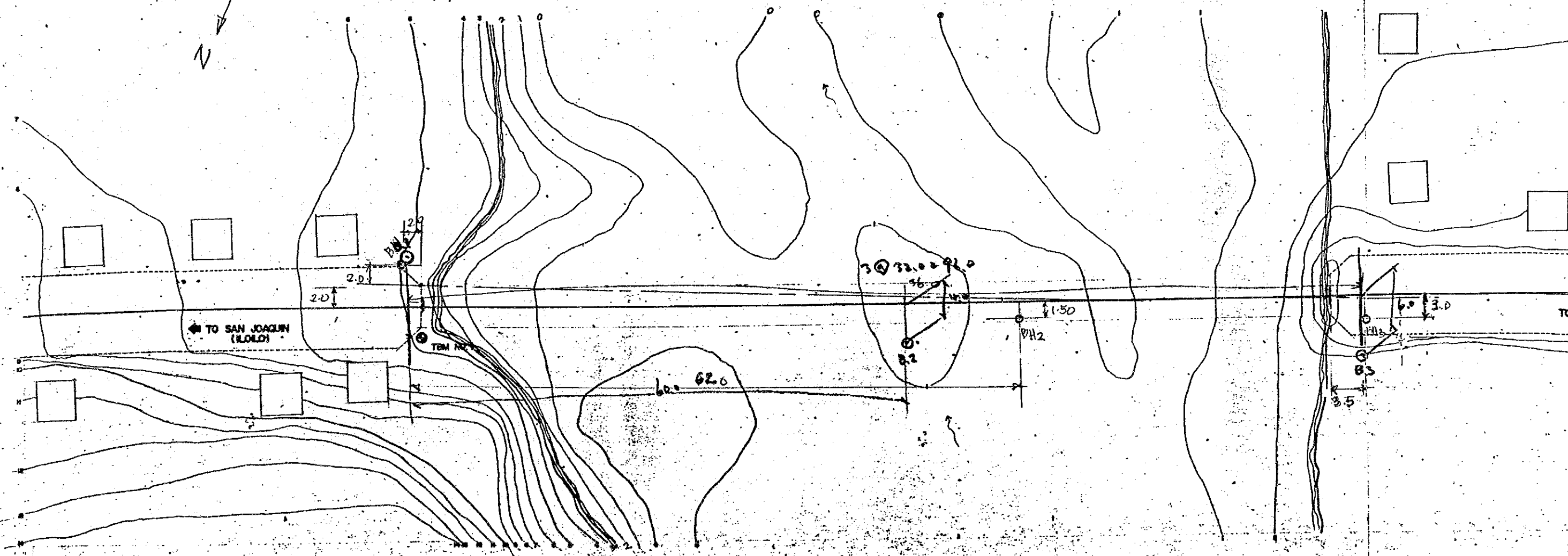
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INDEX 21.77

INDEX 21.77

INDEX 21.77

GENERAL ELEVATION
SCALE 1:200

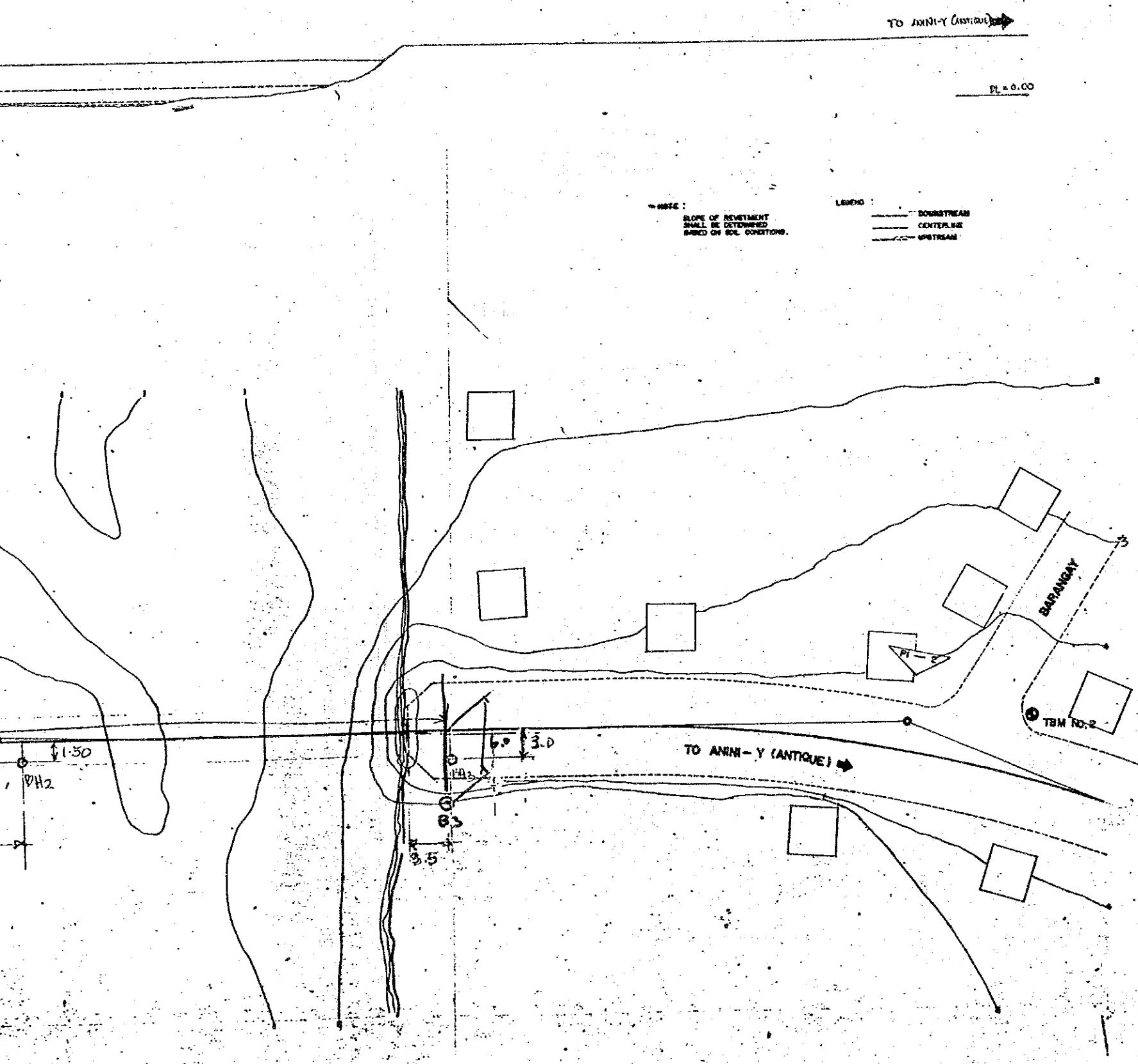


GENERAL PLAN
SCALE 1:200

NOTE:
SLOPE OF
SCALE
BASED ON

BRIDGE NO.
08-08-04

LAWIGAN BRIDGE
SAN JOAQUIN, ILOILO



M. Masad Aizawa
Mr. Masad Aizawa
Geotechnical Surveyor (KEI)

Kenji Sugawara
Mr. Kenji Sugawara
Topographic Surveyor (KEI)

Edwin Matanguihan
Mr. Edwin Matanguihan
Engr. III DPWH Central Office (BOD)

Edwin Fortes
Mr. Edwin Fortes
Engr. III DPWH Central Office (Planning Service)

Elmer S. Silveo
Mr. Elmer S. Silveo
Engr. III DPWH Construction Section, Iloilo 1st Div.

Rudy G. Camasillo
Mr. Rudy G. Camasillo
District Engineer, DPWH Iloilo 1st Engg. Div.

Cecil Caligan
Mr. Cecil Caligan
Engr. III, DPWH Regional Office, Reg. VI

Ernesto A. Silvela
Mr. Ernesto A. Silvela
Regional Director, Region VI

GENERAL PLAN

1. LOCATION OF BRIDGE SHOULD BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH).
2. STRUCTURAL DIMENSIONS OF SUPERSTRUCTURES SHOULD NOT BE AMENDED.
3. TYPES AND DIMENSIONS OF SUBSTRUCTURES SHALL BE JUSTIFIED ACCORDING TO THE DETAILED DESIGN OF SUBSTRUCTURES PREPARED BY DPWH.
4. VERTICAL CLEARANCE BETWEEN THE M.F.L. AND THE BOTTOM OF THE BEAMS OF THE SUPERSTRUCTURE SHALL BE NOT LESS THAN 1.0 METER (CARRYING NO BIG DEBRIS).
5. DESIGN SPECIFICATION
AASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGE (14th EDITION 1980)
6. DESIGN LOAD

DEAD LOAD	CONCRETE	23.54 KN/m ³
	FILL MATERIALS	17.84 KN/m ³
LIVE LOAD	ROADWAY LIVE LOAD	HS 20-44 (HS-18)
	SIDEWALK LIVE LOAD	2.873 KN/m ²

TEMPERATURE CHANGE
RISE +10° FALL -10°

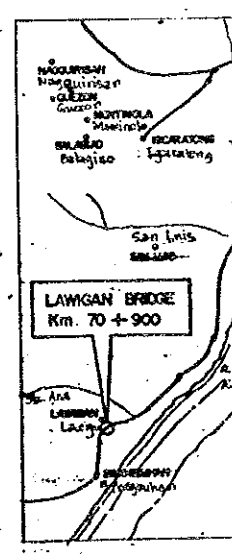
EARTHQUAKE LOAD
IN ACCORDANCE WITH "GUIDELINE FOR SEISMIC DESIGN OF BRIDGES"

OTHER LOADS: IN ACCORDANCE WITH 1989 AASHTO SPECIFICATION
7. MATERIALS

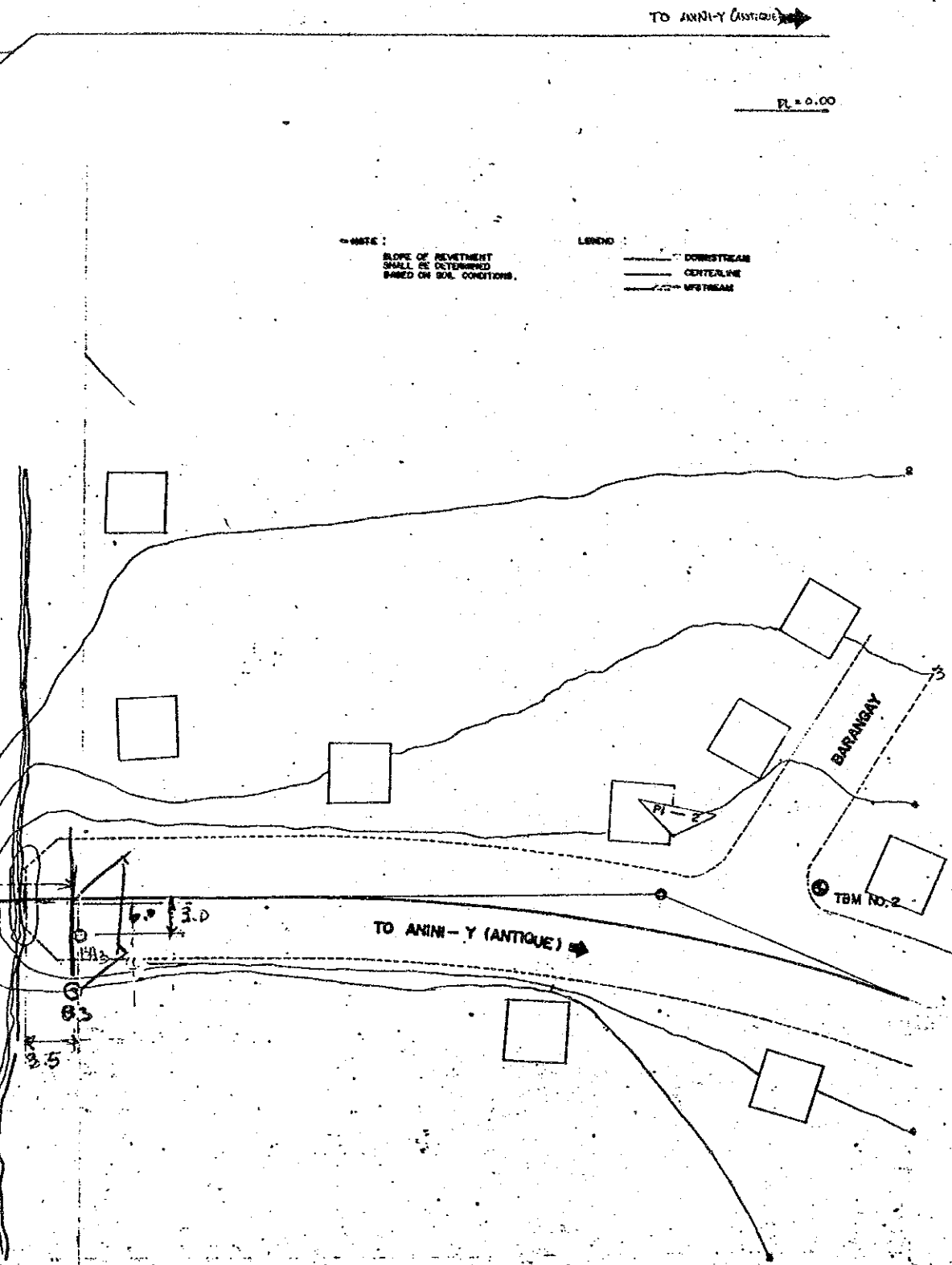
STEEL FOR SUPERSTRUCTURE
STEEL SHALL BE SPECIFIED BY JIS (JAPANESE INDUSTRIAL STANDARD)

CONCRETE
CONCRETE FOR PRESTRESSED CONCRETE ORDER $f_c = 34.5$ MPa
CONCRETE FOR DECK SLAB $f_c = 30.7$ MPa
CONCRETE FOR SUBSTRUCTURE $f_c = 30.7$ MPa

OTHERS
OTHER MATERIALS SHALL CONFORMED TO ASTM



DRAWINGS
ALL DIMENSIONS ARE EXPRESS IN MILLIMETER
UNLESS OTHERWISE SHOWN IN THE PLAN.
ALL ELEVATIONS ARE IN METERS.



Mr. Masao Aizawa
Geotechnical Surveyor (KEI)

Mr. Kenji Sugawara
Topographic Surveyor (KEI)

Mr. Edwin Matanguihan
Engr. II DPWH Central Office (BOP)

Mr. Edwin Fortes
Engr. III DPWH Central Office (Planning Service)

Mr. Elmer S. Silveo
Engr. III DPWH Construction Section, Iloilo 1st Engg. District

Mr. Rudy G. Camacho
District Engineer, DPWH Iloilo 1st Engg. District

Mr. Cecil Caligan
Engr. III, DPWH Regional Office, Reg. VI

Mr. Ernesto A. Silveo
Regional Director, Region VI

GENERAL PLAN

1. LOCATION OF BRIDGE SHOULD BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH).
2. STRUCTURAL DIMENSIONS OF SUPERSTRUCTURES SHOULD NOT BE AMENDED.
3. TYPES AND DIMENSIONS OF SUBSTRUCTURES SHALL BE JUSTIFIED ACCORDING TO THE DETAILED DESIGN OF SUBSTRUCTURES PREPARED BY DPWH.
4. VERTICAL CLEARANCE BETWEEN THE M.F.L. AND THE BOTTOM OF THE BORDERS OF THE SUPERSTRUCTURE SHALL BE NOT LESS THAN 10 METER (CARRYING NO BIG DECKERS).
5. DESIGN SPECIFICATION
AASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGE (14th EDITION 1988)
6. DESIGN LOAD

DEAD LOAD	CONCRETE	23.54 KN/m ³
	FILL MATERIALS	17.64 KN/m ³
LIVE LOAD	ROADWAY LIVE LOAD	HS 20-44 (MS-40)
	SIDEWALK LIVE LOAD	2.875 KN/m ²

TEMPERATURE CHANGE
RISE +10° FALL -10°

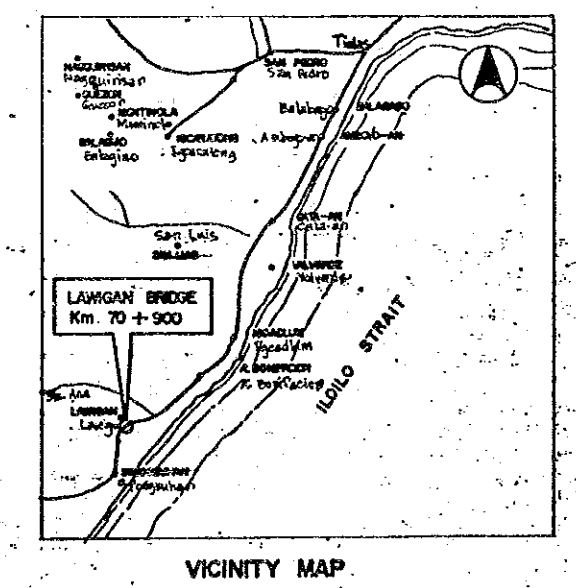
EARTHQUAKE LOAD
IN ACCORDANCE WITH "GUIDELINE FOR SEISMIC DESIGN OF BRIDGES"

OTHER LOADS: IN ACCORDANCE WITH 1988 AASHTO SPECIFICATION
7. MATERIALS

STEEL FOR SUPERSTRUCTURE
STEEL SHALL BE SPECIFIED BY JIS (JAPANESE INDUSTRIAL STANDARD)

CONCRETE
CONCRETE FOR PRESTRESSED CONCRETE ORDER $f_c = 34.5 \text{ MPa}$
CONCRETE FOR DECK SLAB $f_c = 20.7 \text{ MPa}$
CONCRETE FOR SUBSTRUCTURE $f_c = 20.7 \text{ MPa}$

OTHERS
OTHER MATERIALS SHALL CONFORMED TO ASTM



DRAWINGS
ALL DIMENSIONS ARE EXPRESSED IN MILLIMETER UNLESS OTHERWISE SHOWN IN THE PLAN.
ALL ELEVATIONS ARE IN METERS.



KATAHIRA & ENGINEERS INTERNATIONAL
TOKYO, JAPAN

6

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Chuo-ku, Tokyo, Japan
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Telephone: 03-563-4033
Telex: 2523838 KATAEG J
Facsimile: 03-563-4033

Date: July 2, 1992

Gentlemen,

In connection with the Japan's Grant Aid, the Project for Constructing Bridges Along Rural Roads (Phase IV, Group 2), Katahira & Engineers International and representatives from DPWH (Central, Regional and District Offices) hereby agree on the following items for the construction of APALAN Bridge;
09-05-01

1. The proposed centerline will be located at the upstream (shown in the plan) of the bridge.
2. The Right-of-Way Acquisition and removal of all obstructions (to be undertaken by the DPWH)
3. Location of proposed detour Not Applicable (Existing bridge will be used).
4. Highest Water Level, 2.50 m.
5. Location of Bore Holes Two Bore Holes as shown in the plan.

Attached herewith is the plan showing the above agreed items.

Names and signatures of Representatives are shown below.

DPWH Central Office

Mr. Adriano Doron (Engr. IV, BOO)
Mr. Edwin Fortes (Engr. III, PS)

DPWH Regional Office

Mr. Bashir D. Kasaman (Reg'l. Director, Reg. VII)
Mr. Gloria Pindin (Engr. IV, Reg. VII Planning & Design)

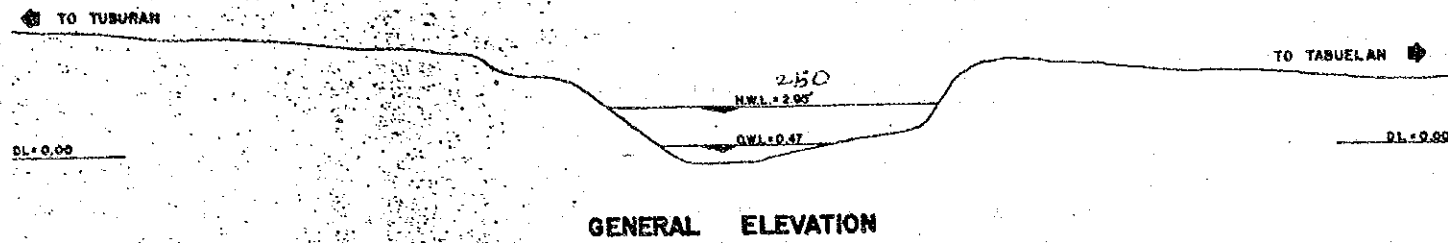
DPWH District Office

Mr. Asotario B. Basalo (Dist. Engr., Cebu 1st)
Mrs. Monica S. Rabaya (Engr. III, Cebu 1st)
Planning & Design

Katahira & Engineers International

Mr. Masao Aizawa (Geotechnical Surveyor)
Mr. Kenji Sugawara (Topographic Surveyor)

BRIDGE NO.	APALAN BRIDGE TUBURAN, CEBU	SHEET NO.
07-08-01		



GENERAL ELEVATION

M. Masao Aizawa
Mr. Masao Aizawa
Geotechnical Surveyor (KEI)

Kenji Sugawara
Mr. Kenji Sugawara
Topographic Surveyor (KEI)

Adriano Doray
Mr. Adriano Doray
Engr. IV, DPWH Central Office (BOD)

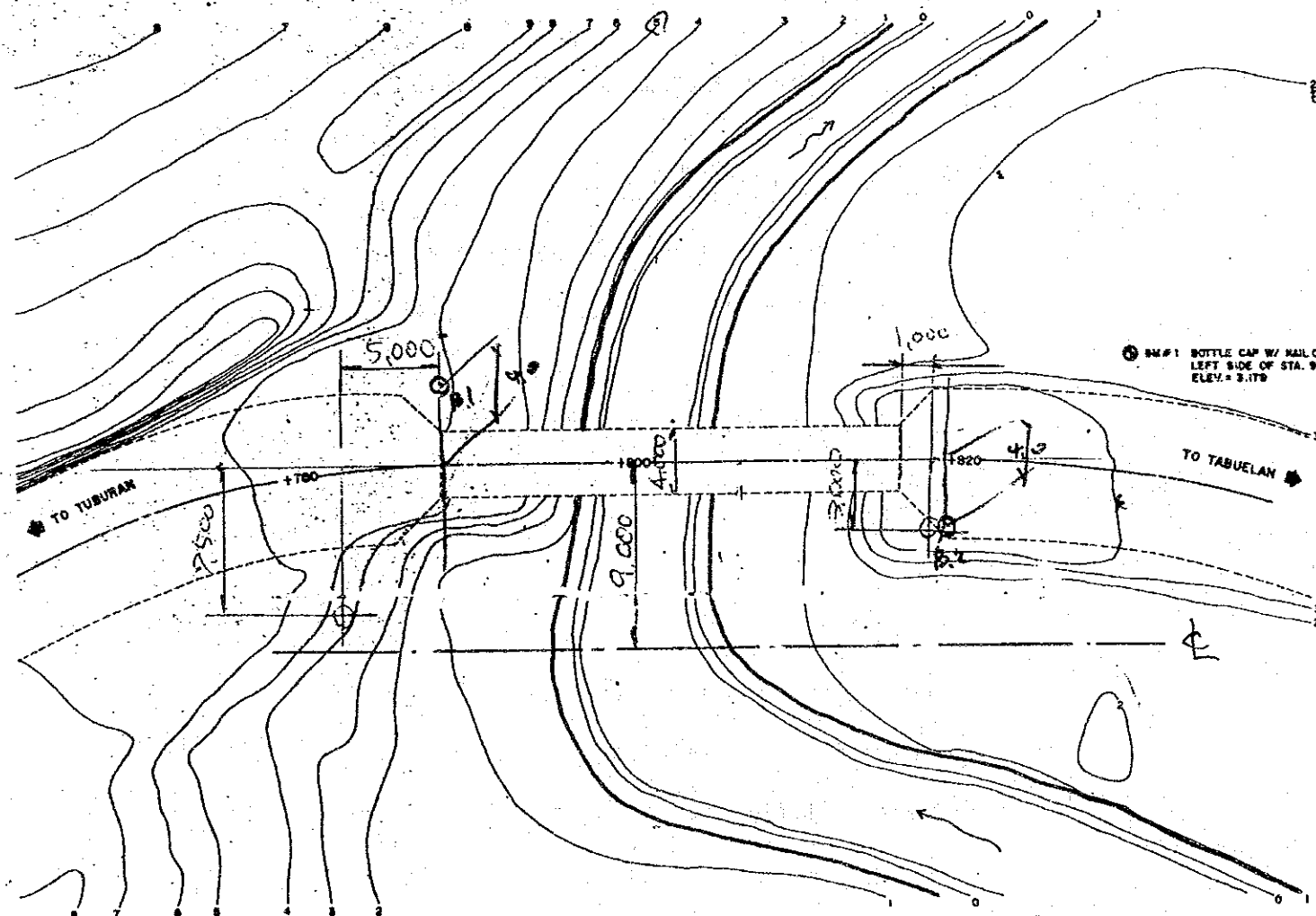
Eduin Fortes
Mr. Eduin Fortes
Engr. II, DPWH Central Office (Planning Service)

Antonio Basalo
Mr. Antonio Basalo
DPWH District Engineer, Cebu 1st

Monica Rabaya
Ms. Monica Rabaya
Engr. III, DPWH Planning & Design, Cebu 1st

Gloria Bordin
Ms. Gloria Bordin
Engr. IV, DPWH Planning & Design, Reg. VII Office

Dashir J. Rasuman
Mr. Dashir J. Rasuman
Regional Director, DPWH Region VII



GENERAL PLAN

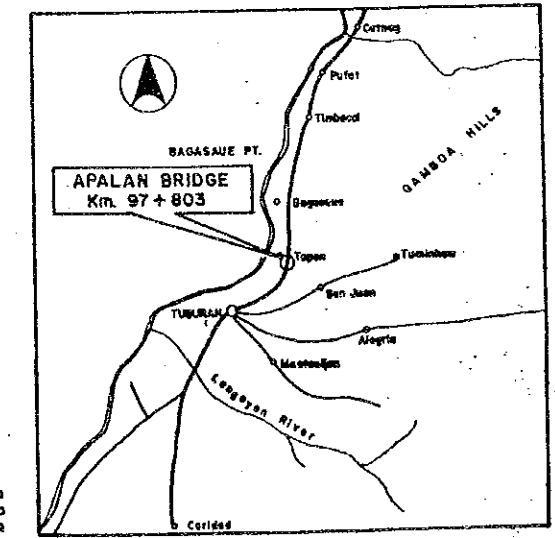
現場の架橋位置の確立
をこの図面で行う
架橋位置の確立
架橋位置の確立

- GENERAL NOTES**
1. LOCATION OF BRIDGE SHOULD BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH).
 2. STRUCTURAL DIMENSIONS OF SUPERSTRUCTURES SHOULD NOT BE AMENDED.
 3. TYPES AND DIMENSIONS OF SUBSTRUCTURES SHALL BE JUSTIFIED ACCORDING TO THE DETAILED DESIGN OF SUBSTRUCTURES PREPARED BY DPWH.
 4. VERTICAL CLEARANCE BETWEEN THE M.F.L. AND THE BOTTOM OF THE GIRDERS OF THE SUPERSTRUCTURES SHALL BE NOT LESS THAN 10 METERS (CARRYING NO BIG DEBRIS).
 5. DESIGN SPECIFICATION
AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGE (14th EDITION 1989).
 6. DESIGN LOAD

DEAD LOAD:	CONCRETE	23.54 KN/m ²
	FILL MATERIALS	17.66 KN/m ²
LIVE LOAD:	ROADWAY LIVE LOAD	HS 20-44 (MS-1B)
	SIDEWALK LIVE LOAD	2.873 KN/m ²
 7. MATERIALS

STEEL FOR SUPERSTRUCTURE:	STEEL SHALL BE SPECIFIED BY JIS (JAPANESE INDUSTRIAL STANDARD).	
CONCRETE:	CONCRETE FOR PRESTRESSED CONCRETE GIRDER AND DECK SLAB.	f _c = 34.5 MPa f _c = 20.7 MPa
	CONCRETE FOR SUBSTRUCTURE	f _c = 20.7 MPa
OTHERS:	OTHER MATERIALS SHALL CONFORMED TO ASTM.	

Note: After topographic survey, clearance between the existing bridge and proposed bridge should again be investigated.



VICINITY MAP



KATAHIRA & ENGINEERS INTERNATIONAL
TOKYO, JAPAN

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Tsurukame Bldg., 4-2-8 Ginza
Chuo-ku, Tokyo, Japan
Cable Address: ENKATAHIRA TOKYO
Telephone: 03-563-4053
Telex: 2523838 KATAEG J
Facsimile: 03-563-4055

Date: July 2, 1992

Gentlemen,

In connection with the Japan's Grant Aid, the Project for Constructing Bridges Along Rural Roads (Phase IV, Group 2), Katahira & Engineers International and representatives from DPWH (Central, Regional and District Offices) hereby agree on the following items for the construction of LAMBONGON Bridge;

1. The proposed centerline will be located at the downstream (10.0m from centerline) of the bridge.
2. The Right-of-Way Acquisition and removal of all obstructions (to be undertaken by the DPWH)
3. Location of proposed detour at the existing bridge.
4. Highest Water Level, 3.16 m.
5. Location of Bore Holes 13.0m before abut. 1 km (Alla side) 3.0m from CL (Japan side) 1.70 m from CL (Tabuelan side) 4.0m from Abut. 2 3.0m from CL (San Remigio side) BH1 (Tabuelan side) BH2 (Tabuelan side) BH3 (San Remigio side)

Attached herewith is the plan showing the above agreed items.

Names and signatures of Representatives are shown below.

DPWH Central Office

Engr. Adriano Dorog (Engr. IV, BOD)

Engr. Edwin Forbes (Engr. III, PS)

DPWH Regional Office

Mr. Basilio D. Rasuman (Reg'l. Director, Reg. VII)

Mrs. Gloria Rodri (Engr. IV, Reg. VII Planning & Rig)

DPWH District Office

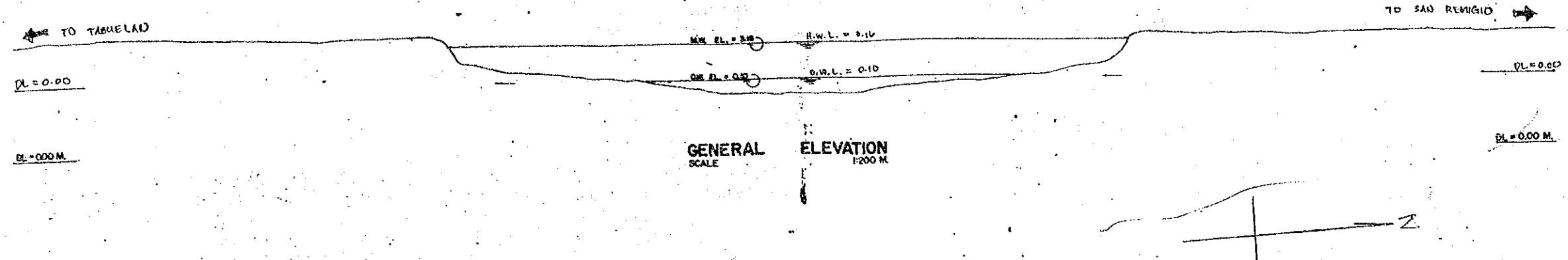
Mr. ~~Manuel~~ Basilio (District Engr. Cebu 1st)

Mrs. Mónica S. Rabaya (Engr. II, Planning & Design, Cebu 1st)

Katahira & Engineers International

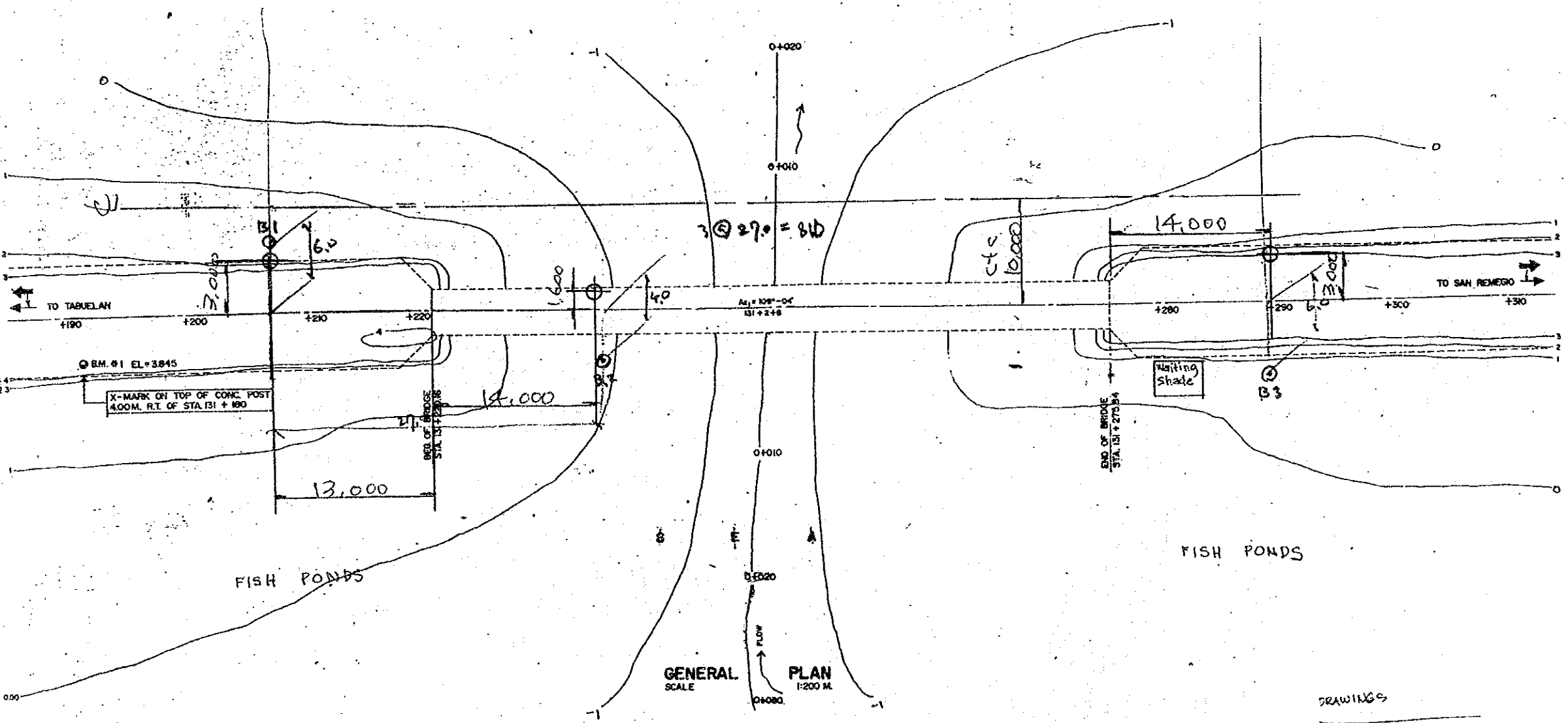
Mr. Masao Aizawa (Geotechnical Surveyor)

Mr. Kenji Sugawara (Topographic Surveyor)



M. Masao Aizawa
Mr. Masao Aizawa
Geotechnical Surveyor (KEI)

Kenji Sugawara
Mr. Kenji Sugawara
Topographic Surveyor (KEI)



GENERAL NOTES

1. LOCATION OF BRIDGE SHOULD BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH).
2. STRUCTURAL DIMENSIONS OF SUPERSTRUCTURES SHOULD NOT BE AMENDED.
3. TYPES AND DIMENSIONS OF SUBSTRUCTURES SHALL BE JUSTIFIED ACCORDING TO THE DETAILED DESIGN OF SUBSTRUCTURES PREPARED BY DPWH.
4. VERTICAL CLEARANCE BETWEEN THE M.E.L. AND THE BOTTOM OF THE GRIDERS OF THE SUPERSTRUCTURES SHALL BE NOT LESS THAN 10 METER (CARRYING NO BIG DEBRIS).
5. DESIGN SPECIFICATION
AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGE (14th EDITION 1989).
6. DESIGN LOAD

DEAD LOAD:	CONCRETE	23.54 KN/m ³
	FILL MATERIALS	17.66 KN/m ³
LIVE LOAD:	ROADWAY LIVE LOAD	HS 20-44 (MS-18)
	SIDEWALK LIVE LOAD	2.873 KN/m ²
7. MATERIALS

STEEL FOR SUPERSTRUCTURE:	STEEL SHALL BE SPECIFIED BY JIS (JAPANESE INDUSTRIAL STANDARD).
CONCRETE:	CONCRETE FOR PRESTRESSED CONCRETE GIRDER AND DECK SLAB. $f'_c = 34.5$ MPa
	CONCRETE FOR SUBSTRUCTURE. $f'_c = 20.7$ MPa
OTHERS:	OTHER MATERIALS SHALL CONFORMED TO ASTM.

THE BASIC DESIGN STUDY ON THE PROJECT
FOR CONSTRUCTING BRIDGES ALONG RURAL ROADS (PHASE IV, GROUP II)

BRIDGE NO.	TAMBONGON BRIDGE	SHEET NO.
07-05-05	SAN REMIGIO, CEBU	7

M. Masao Aizawa
Mr. Masao Aizawa
Geotechnical Surveyor (KEI)

Kenji Sugawara
Mr. Kenji Sugawara
Topographic Surveyor (KEI)

Adriano Doray
Mr. Adriano Doray
Engr. IV DPWH - Central Office (BOD)

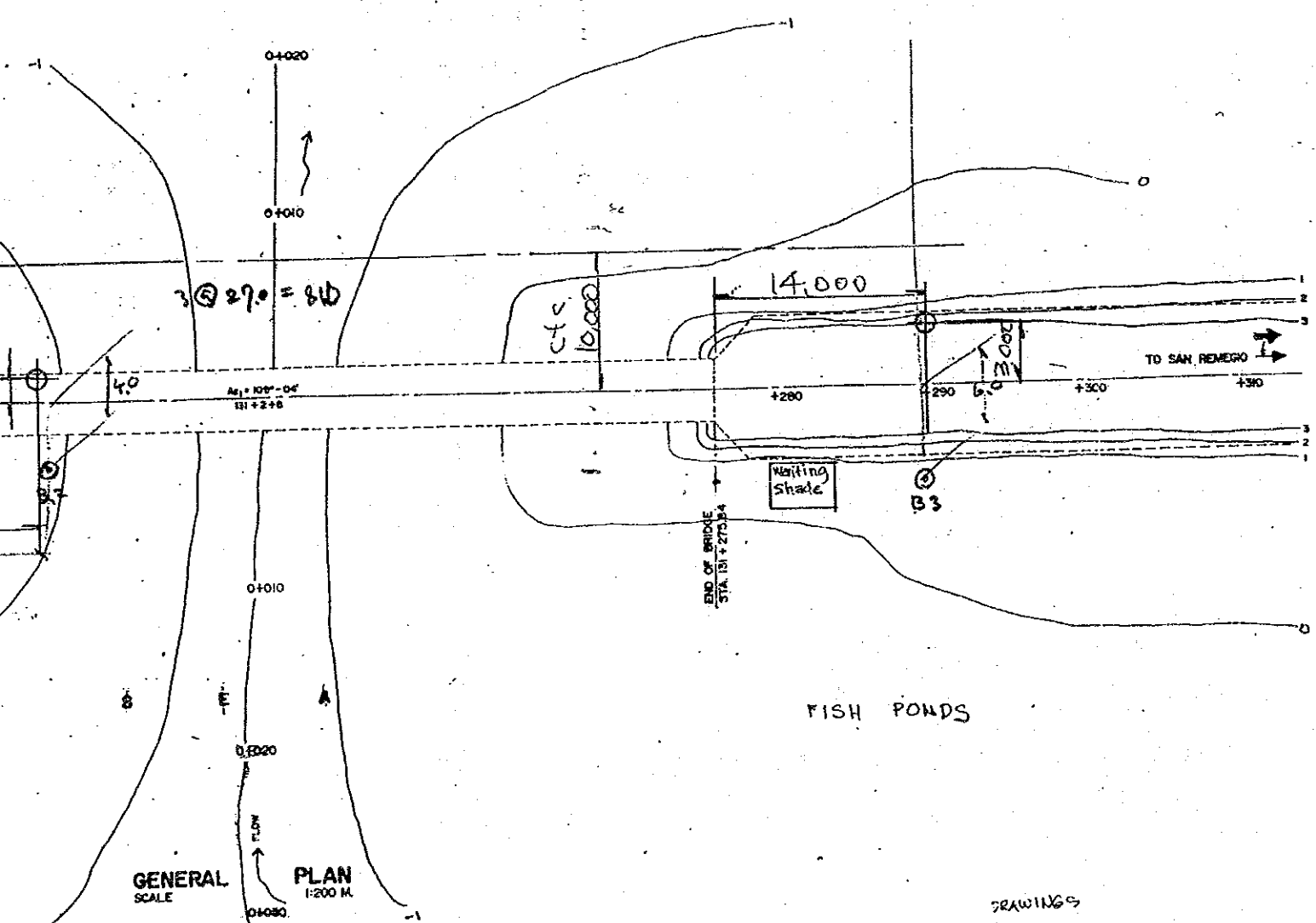
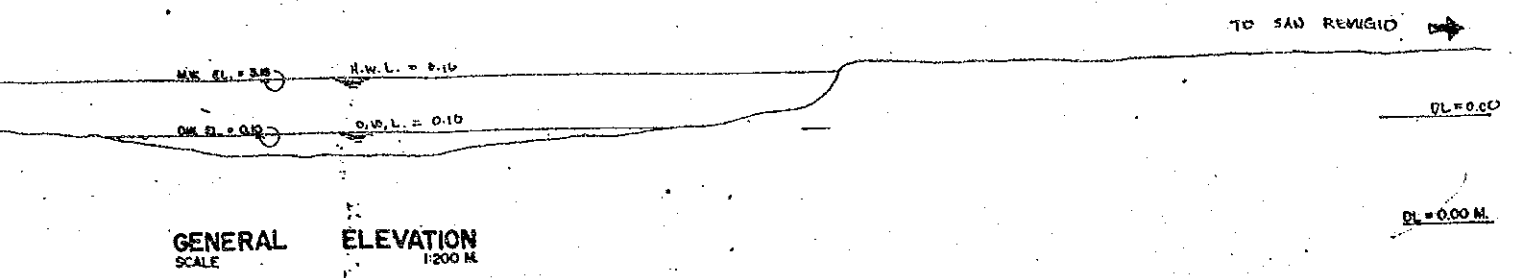
Edwin Fortes
Mr. Edwin Fortes
Engr. III DPWH Central Office (Planning Service)

Antonio Basalo
Mr. Antonio Basalo
DPWH District Engineer, Cebu 1st

Monica Rabaya
Ms. Monica Rabaya
Engr. III, DPWH Planning & Design, Cebu 1st

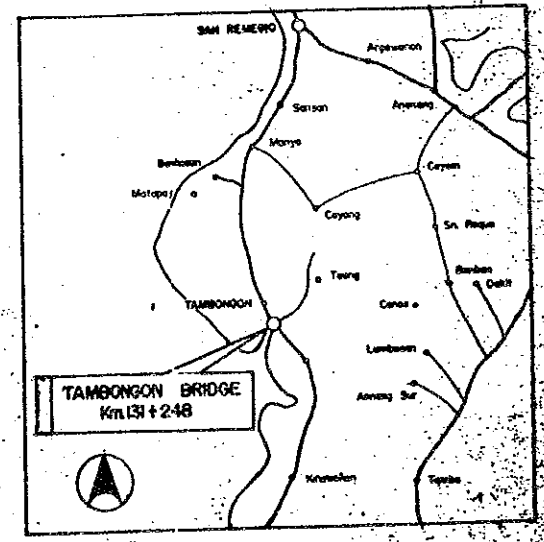
Glenn Dindin
Ms. Glenn Dindin
Engr. IV, DPWH Planning & Design, Reg. VII Office

Bashir D. Rasuman
Mr. Bashir D. Rasuman
Regional Director, DPWH Region VII



GENERAL NOTES

1. LOCATION OF BRIDGE SHOULD BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH).
2. STRUCTURAL DIMENSIONS OF SUPERSTRUCTURES SHOULD NOT BE AMENDED.
3. TYPES AND DIMENSIONS OF SUBSTRUCTURES SHALL BE JUSTIFIED ACCORDING TO THE DETAILED DESIGN OF SUBSTRUCTURES PREPARED BY DPWH.
4. VERTICAL CLEARANCE BETWEEN THE M.F.L. AND THE BOTTOM OF THE GRIDDERS OF THE SUPERSTRUCTURES SHALL BE NOT LESS THAN 1.0 METER (CARRYING NO BIG DEBRIS).
5. DESIGN SPECIFICATION
AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGE (14th EDITION 1989).
6. DESIGN LOAD
DEAD LOAD: CONCRETE 23.54 KN/m³
FILL MATERIALS 17.86 KN/m³
LIVE LOAD: ROADWAY LIVE LOAD HS 20-44 (MS-18)
SIDEWALK LIVE LOAD 2.873 KN/m²
TEMPERATURE CHANGE: RISE +10°, FALL -10°
EARTHQUAKE LOAD: IN ACCORDANCE WITH "GUIDELINE FOR SEISMIC DESIGN OF BRIDGES"
OTHER LOADS: IN ACCORDANCE WITH 1989 AASHTO SPECIFICATION
7. MATERIALS
STEEL FOR SUPERSTRUCTURE: STEEL SHALL BE SPECIFIED BY JIS (JAPANESE INDUSTRIAL STANDARD).
CONCRETE: CONCRETE FOR PRESTRESSED CONCRETE GIRDER AND DECK SLAB. f_c = 34.5 MPa
CONCRETE FOR SUBSTRUCTURE f_c = 20.7 MPa
OTHERS: OTHER MATERIALS SHALL CONFORMED TO ASTM.



VICINITY MAP



KATAHIRA & ENGINEERS INTERNATIONAL

TOKYO, JAPAN

8

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Chuo-ku, Tokyo, Japan
Cable Address: ENKATAHIRA TOKYO
Telephone: 03-583-4053
Telex: 2523838 KATAEG J
Facsimile: 03-583-4055

Date: July 3, 1992

Gentlemen,

In connection with the Japan's Grant Aid, the Project for Constructing Bridges Along Rural Roads (Phase IV, Group 2), Katahira & Engineers International and representatives from DPWH (Central, Regional and District Offices) hereby agree on the following items for the construction of MOJON Bridge;

1. The proposed centerline will be located at the 2.0 downstream of existing of the bridge.
2. The Right-of-Way Acquisition and removal of all obstructions (to be undertaken by the DPWH)
3. Location of proposed detour at downstream.
4. Highest Water Level, 21.20 m.
5. Location of Bore Holes as shown in the plans (4 holes)

Attached herewith is the plan showing the above agreed items.

Names and signatures of Representatives are shown below.

DPWH Central Office

Mr. Adriano Doroy (Engr. IV, ROD)

Mr. Edwin Fortes (Engr. III, PS)

DPWH Regional Office

Mr. Bashir P. Kasuman (Regl. Director, Reg. VII)

Ms. Gloria Pineda (Engr. IV, Reg. VII, Planning & Design)

DPWH District Office

Mr. Wilfredo A. Ordesta (Dist. Engr., Cebu 2nd)

Ms. Estela Abellana (Engr. III, Planning & Design, Cebu 2nd)

Katahira & Engineers International

Mr. Masao Aizawa (Geotechnical Surveyor)

Mr. Kenji Sugawara (Topographic Surveyor)

DL = 10.00
BL = 10.00

E.W.L. = 11.00
H.W.L. = 11.00

G.W.L. = 10.00

DL = 10.00
BL = 10.00

NOTE: SLOPE OF SEWERAGE SHALL BE DETERMINED BASED ON SOIL CONDITIONS.

LEGEND: ——— CENTER LINE

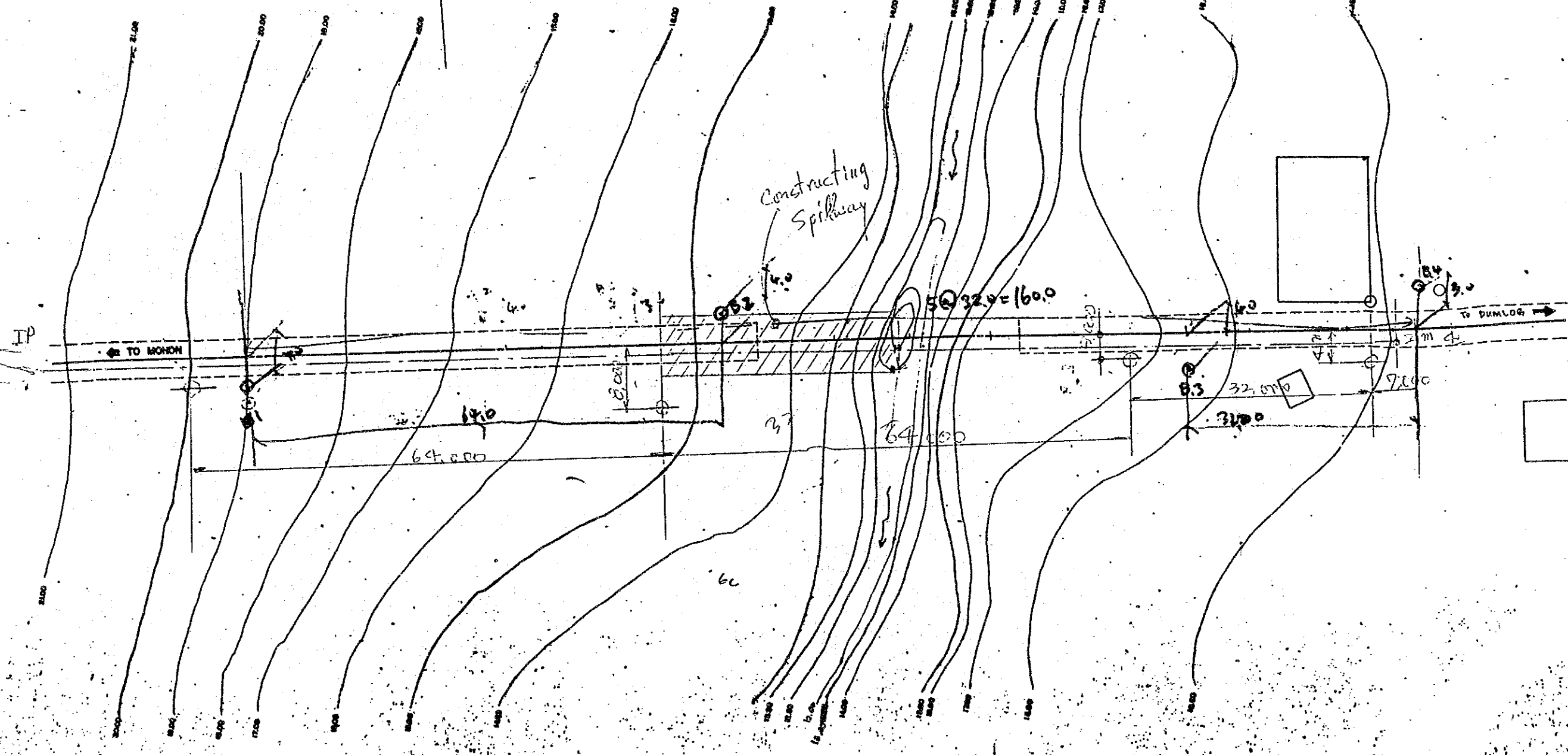
GENERAL ELEVATION
SCALE 1:300

5m down

IP TO MONON

TO DUNLOP

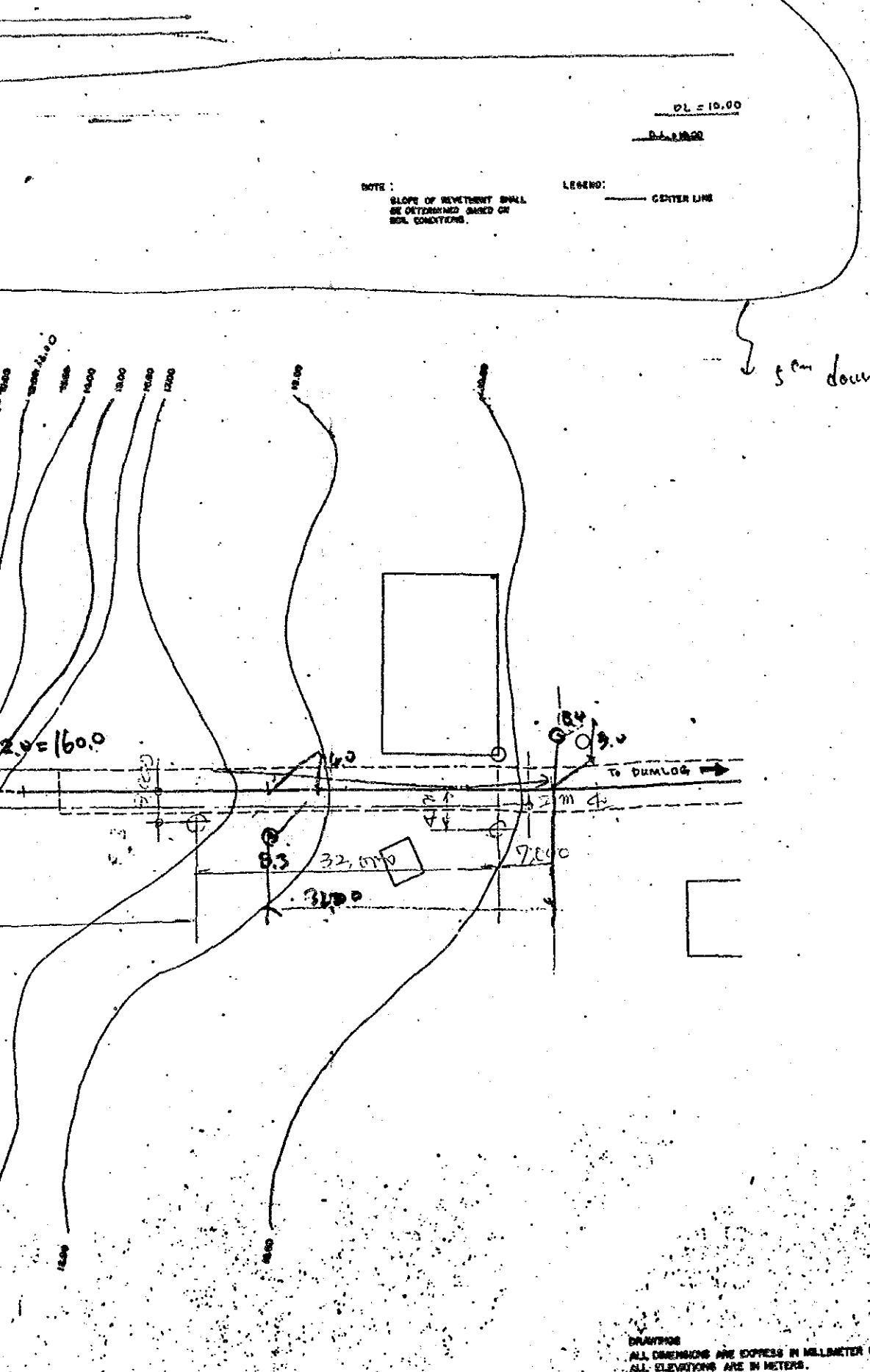
Constructing Spikeway



GENERAL PLAN
SCALE 1:300

DRAWINGS ALL DIMENSIONS ARE EXPRESS IN MILLIMETER UNLESS ALL ELEVATIONS ARE IN METERS.

THE BASIC DESIGN STUDY ON THE PROJECT IV 2032		
FOR CONSTRUCTING BRIDGES ALONG RURAL ROADS (PHASE IV, GROUP I)		
BRIDGE NO.	MONON BRIDGE	SHEET NO.
07-08-07	TALISAY, CEBU	



Masao Aizawa
Mr. Masao Aizawa
Geotechnical Surveyor (KEI)

Kenji Sugawara
Mr. Kenji Sugawara
Topographic Surveyor (KEI)

Adriano Dotoy
Mr. Adriano Dotoy
Engr. IV, DPWH Central Office (BOD)

Edwin Fortes
Mr. Edwin Fortes
Engr. III DPWH Central Office (Planning Service)

Wilfredo A. Ordesta
Mr. Wilfredo A. Ordesta 7/3
DPWH District Engineer, Cebu and

Estela Abellana
Ms. Estela Abellana
Engr. III, DPWH Planning & Design, Cebu 2nd

Ghia Dincin
Mr. Ghia Dincin
Engr. IV, DPWH Planning & Design, Reg. VII Office

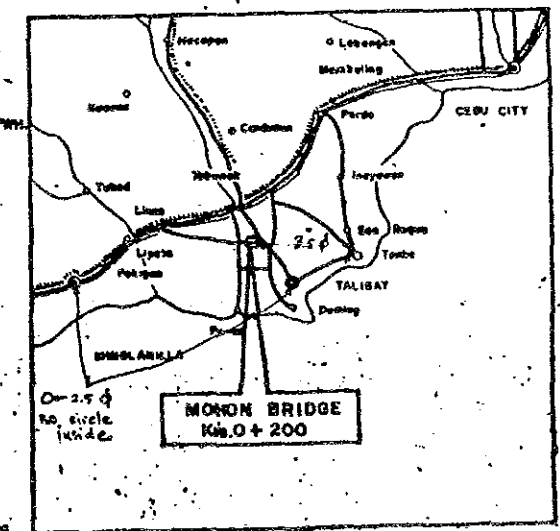
Bashir D. Rasuman
Mr. Bashir D. Rasuman
Regional Director, DPWH Region VII

GENERAL NOTES

1. LOCATION OF BRIDGE SHOULD BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH).
2. STRUCTURAL DIMENSIONS OF SUPERSTRUCTURES SHOULD NOT BE AMENDED.
3. TYPES AND DIMENSIONS OF SUBSTRUCTURES SHALL BE JUSTIFIED ACCORDING TO THE DETAILED DESIGN OF SUBSTRUCTURES PREPARED BY DPWH.
4. VERTICAL CLEARANCE BETWEEN THE M.E.L. AND THE BOTTOM OF THE GIRDERS OF THE SUPERSTRUCTURES SHALL BE NOT LESS THAN 1.0 METER (CARRYING NO BIG DECK).
5. DESIGN SPECIFICATION AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGE (14th EDITION 1989).
6. DESIGN LOAD

DEAD LOAD: CONCRETE	25.00 KN/m ³
FILL MATERIALS	17.50 KN/m ³
LIVE LOAD: ROADWAY LIVE LOAD	HS 20-44 (MS-18)
BIOWALK LIVE LOAD	2.875 KN/m ²
TEMPERATURE CHANGE:	RISE + 10° FALL - 10°
EARTHQUAKE LOAD:	IN ACCORDANCE WITH "GUIDELINE FOR SEISMIC DESIGN OF BRIDGES"
OTHER LOADS:	IN ACCORDANCE WITH 1989 AASHTO SPECIFICATION
7. MATERIALS

STEEL FOR SUPERSTRUCTURE:	STEEL SHALL BE SPECIFIED BY JIS (JAPANESE INDUSTRIAL STANDARD).
CONCRETE:	CONCRETE FOR PRESTRESSED CONCRETE GIRDER, N° 24.5 MPa AND DECK SLAB, N° 20.7 MPa
OTHERS:	OTHER MATERIALS SHALL COMPARED TO ASTM.



VICINITY MAP

