

Bridge Inventory No.	Road No.	Road Name		Province	District	AADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	AA003	Peliyagoda - Puttalam		North Western	Puttalam	8,500	4			ok
54	Bridge No.	Bridge Length (m)	Bridge Width (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Bridge Soundness	Flood Records
	94/4	Ratambala Oya	Overall Curb-to-Curb	2	Super-structure PC I Girder	4		Good	Sub-structure Good	none
			10.60	7.30	RC Wall Type			Good	Sufficient	

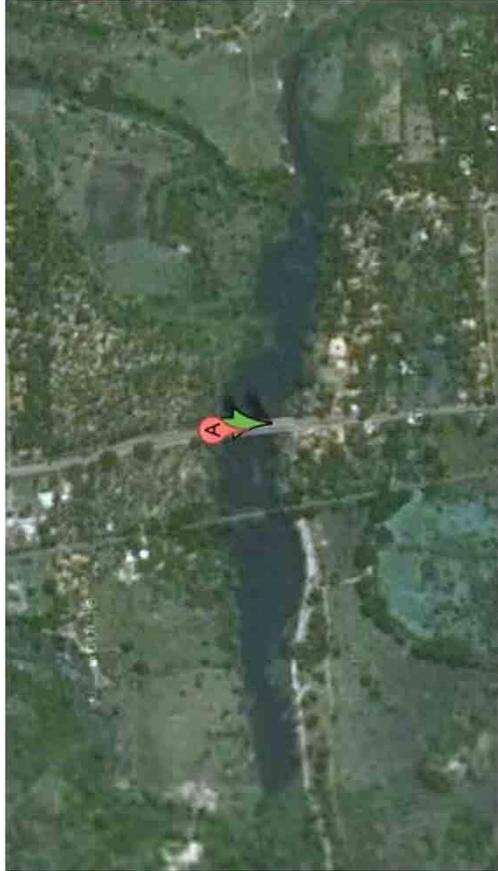


< PRESENT CONDITIONS >

[BRIDGE]
Curb-to-Curb of 7.30m wide is sufficient for 2-lane traffic of Class A Road.

[SOUNDNESS]**
- Superstructure Good RATE 1
- Substructure Good RATE 1
- Others

[SURROUNDING AREA]



< PROPOSAL >

Reconstruction is not recommended.

Bridge Length: Approach Length:
Superstructure:
Substructure:
Foundation:
Resettlement:

** SOUNDNESS RATE

RATE 1: Good condition
RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name	Province	District	AAADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge	Environmental Condition
55	-	Construction of Sellvapuram Bridge across Nantikadal Lagoon	Northern	Mulative		2		Coastal/Long Bridge
	Bridge No.	Bridge Length (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Bridge Soundness	Flood Records
	New	118.00	2	Super-structure	-	-	Sub-structure	Flood water level is 1m above the causeway.



< PRESENT CONDITIONS >

[BRIDGE]
 Insufficient causeway elevation for floods

[SOUNDNESS]**
 - Superstructure Fair RATE 2
 - Substructure Fair RATE 2
 - Others

[SURROUNDING AREA]

< PROPOSAL >

New bridge is not recommended

Bridge Length:
 Superstructure:
 Substructure:
 Foundation:
 Resettlement:
 Approach Length:



*** SOUNDNESS RATE
 RATE 1: Good condition
 RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
 RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
 RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name				Province	District	AA DT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	AA035	Parantan - Mullaitive Highway				Northern	Jaffna		2			Coastal / Long Bridge
56	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)		Bridge Type		No. of Span	Comple-tion Year	Bridge Soundness		Flood Records
	New	Waduwalkal Causeway	450	Overall	Curb-to-Curb	No. of Lane	Super-structure			Abutment	Pier	
				5.00	5.00	1	RC/PC Slab	RC Wall Type		Poor	Poor	Flood water level is 1m above the causeway.



< PRESENT CONDITIONS >

[BRIDGE]

Narrow for 2-lane traffic
Insufficient causeway elevation for floods
[SOUNDNESS]**
- Superstructure
Poor

RATE 3

RATE 3

- Substructure
Poor

- Others

[SURROUNDING AREA]

< PROPOSAL >

Reconstruction is not recommended because of Environmental problem.

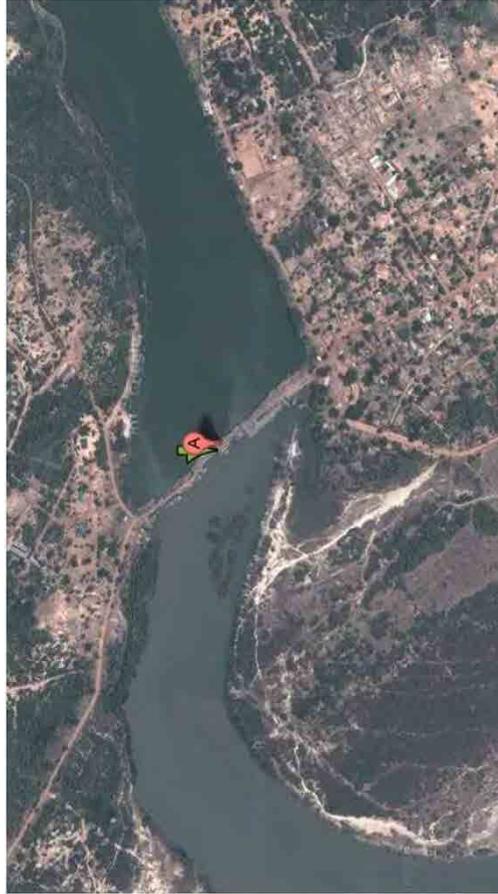
Bridge Length: Approach Length:

Superstructure:

Substructure:

Foundation:

Resettlement:



** SOUNDNESS RATE

RATE 1: Good condition

RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.

RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.

RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name				Province	District	AADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	AA014	Medawachchiya - Mannar - Talaimannar				Northern	Vavuniya	2,157	2			
58	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)	No. of Lane	Super-structure	Bridge Type	No. of Span	Comple-tion Year	Super-structure	Sub-structure	Loading Capacity
	31/1	Kotalaeyya	31.50	Overall Curb-to-Curb 4.80	2	Steel I Beam with Precast RC Slab	Abutment Stonework Pier RC Wall Type	3	More than 100 years ago	Poor	Good	Insufficient
				4.80	4.80							Flood Records
												none



< PRESENT CONDITIONS >

- [BRIDGE]
Narrow for 2-lane traffic
- [SOUNDNESS]**
- Superstructure RATE 3
Steel I Beams corroded.
Precast RC Slabs damaged.
- Substructure RATE 1
Good
- Others

[SURROUNDING AREA]

Embankment of the railway under the construction at the R-side of the approach

< PROPOSAL >

Reconstruction at R-side of the existing bridge

- Bridge Length: 1@50.0 = 50m
Approach Length: NS: 100m FS: 300m
Superstructure: Steel I-Girder
Substructure: Wall Type Abutment Wall Type Pier
Foundation: Spread Foundation
- Resettlement: A few households

** SOUNDNESS RATE

- RATE 1: Good condition
RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.



Bridge Inventory No.	Road No.	Road Name				Province	District	AA DT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	AB020	Jaffna - Point Pedro				Northern	Jaffna	4,200	2			ok
59	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)		No. of Lane	Bridge Type		Comple-tion Year	Bridge Soundness		Flood Records
	21/1	Wailley	73.00	Overall	Curb-to-Curb		Super-structure	Abutment		Pier	Super-structure	
				9.10	7.30	1	Bailey Bridge	RC Wall Type	Fair	Good	Sufficient	none



< PRESENT CONDITIONS >

[BRIDGE]
Sufficient for 2-lane traffic

[SOUNDNESS]**
- Superstructure Fair RATE 2
- Substructure Good RATE 1
- Others

[SURROUNDING AREA]



< PROPOSAL >
Reconstruction is not recommended.

Bridge Length: Approach Length:
Superstructure:
Substructure:
Foundation:
Resettlement:

** SOUNDNESS RATE
RATE 1: Good condition
RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name				Province	District	AA DT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge			Environmental Condition
	AB039	Valukkairaru - Pungudutivu - Kurikkaduvan				Northern	Jaffna		2				Coastal / New Bridge
60	Bridge No.	Bridge Length (m)	Bridge Width (m)		No. of Lane	Bridge Type		No. of Span	Comple-tion Year	Bridge Soundness		Flood Records	
	New	1,500	Overall	Curb-to-Curb		Super-structure	Pier			Sub-structure	Loading Capacity		



< PRESENT CONDITIONS >

[BRIDGE]

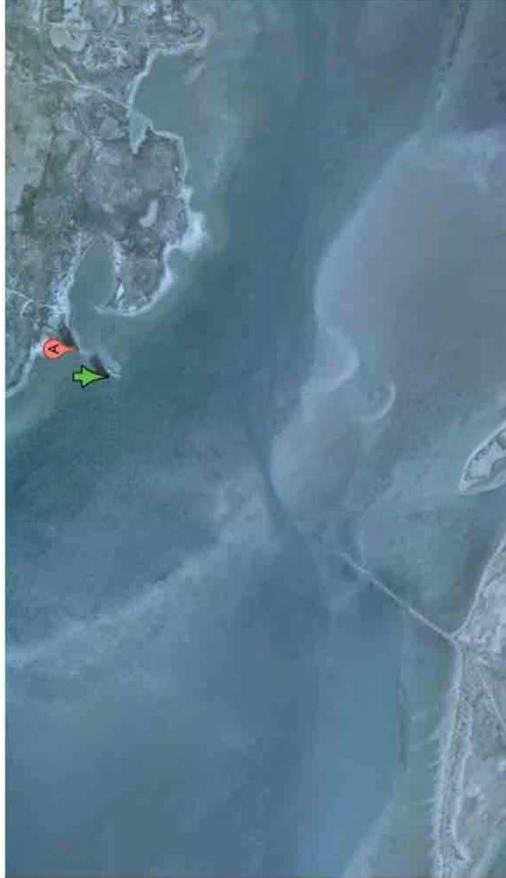
[SOUNDNESS]**

- Superstructure RATE

- Substructure RATE

- Others

[SURROUNDING AREA]



< PROPOSAL >

Reconstruction is not recommended because of Environmental problem.

Bridge Length: Approach Length:

Superstructure:

Substructure:

Foundation:

Resettlement:

** SOUNDNESS RATE

RATE 1: Good condition

RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.

RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.

RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name				Province	District	AADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge			Environmental Condition
	AB039	Valukkairaru - Pungudutivu - Kurikkaduvan				Northern	Jaffna		2				Coastal/New Bridge
61	Bridge No.	Bridge Length (m)	Bridge Width (m)		No. of Lane	Bridge Type		No. of Span	Comple-tion Year	Super-structure	Bridge Soundness		Flood Records
	New	2,000	Overall	Curb-to-Curb		Super-structure	Abutment				Pier	Sub-structure	



< PRESENT CONDITIONS >

[BRIDGE]

[SOUNDNESS]**

- Superstructure RATE

- Substructure RATE

- Others

[SURROUNDING AREA]

< PROPOSAL >

Reconstruction is not recommended.

Bridge Length: Approach Length:

Superstructure:

Substructure:

Foundation:

Resettlement:



** SOUNDNESS RATE

RATE 1: Good condition

RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.

RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.

RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name		Province		District		AADT (No./Day)		No. of Lanes of Road Proposed by RDA		Construction Plan of Road to/ from Bridge		Environmental Condition
	AB017	Jaffna - Manipa i- Karainagar	Northern	Jaffna	No. of Lane		Bridge Type		No. of Span		Bridge Soundness		Coastal/New Bridge	
62	Bridge No.	Bridge Name	Bridge Length (m)	Super-structure	Pier	2	Abutment	No. of Span	Completion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records	
	New		500	Overall	Curb-to-Curb									Sub-structure



< PRESENT CONDITIONS >

[BRIDGE]

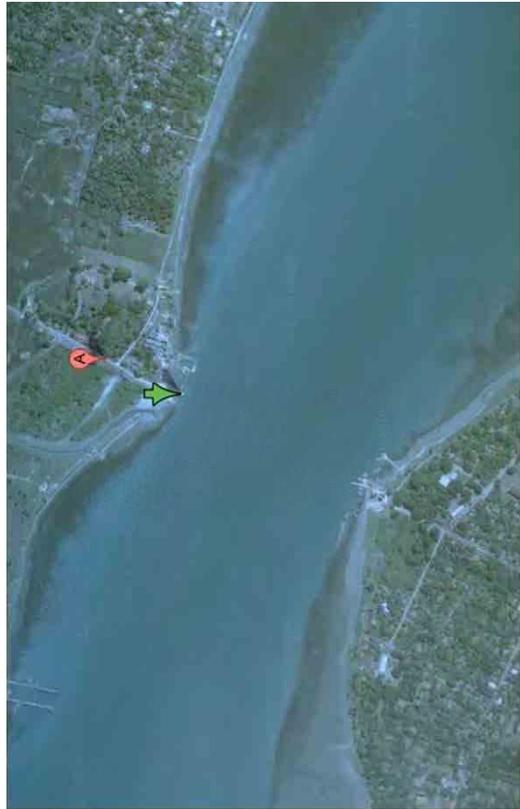
[SOUNDNESS]**

- Superstructure RATE

- Substructure RATE

- Others

[SURROUNDING AREA]



< PROPOSAL >

Reconstruction is not recommended because of Environmental problem.

Bridge Length: Approach Length:

Superstructure:

Substructure:

Foundation:

Resettlement:

** SOUNDNESS RATE

RATE 1: Good condition

RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.

RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.

RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name				Province	District	AADT (No./Day)		No. of Lanes of Road Proposed by RDA		Construction Plan of Road to/ from Bridge		Environmental Condition
63	AA032	Medawachchiya - Mannar - Talaimannar				Northern	Mannar	1,366		2		Bridge		ok
Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)		No. of Lane	Bridge Type		No. of Span	Bridge Soundness		Flood Records		Flood water level is 1.5m above the causeway.	
(59+610)	Pall aru Bridge with Causeway	46.50	Overall	Curb-to-Curb		Super-structure	Pier		Super-structure	Sub-structure	Loading Capacity	Flood Records		
			7.40	7.40	2	Multiple Pipe Culvert	-	1	Fair	-	Insufficient			



< PRESENT CONDITIONS >

- [BRIDGE]
 Insufficient causeway elevation for floods
- [SOUNDNESS]**
 - Superstructure Poor RATE 2
 - Substructure RATE
 - Others

[SURROUNDING AREA]

< PROPOSAL >

New bridge at L-side of the existing causeway

- Bridge Length: 4@15.0 = 60m
 Approach Length: NS: 200m FS: 200m
 Superstructure: Precast PC Girder
 Substructure: Wall Type Abutment Wall Type Pier
 Foundation: Spread Foundation
 Resettlement: A few households



** SOUNDNESS RATE

- RATE 1: Good condition
 RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
 RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
 RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name				Province	District	AADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	AA032	Navakkuli - Kerativu - Mannar				Northern	Kilinochchi	1,366	2	Road improvement by foreign fund		ok
64	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)	No. of Lane	Bridge Type		No. of Span	Comple-tion Year	Bridge Soundness		Flood Records
	(32+482)	Nachchikuda Causeway	60.00	Overall Curb-to-Curb 7.00		Super-structure Multiple Pipe Culvert	Abutment			Pier	Super-structure	



< PRESENT CONDITIONS >

[BRIDGE]
 Insufficient causeway elevation for floods
 RATE 3

[SOUNDNESS]**
 - Superstructure Poor
 - Substructure RATE
 - Others RATE
 [SURROUNDING AREA]



< PROPOSAL >
New bridge on the existing alignment
 Bridge Length: 2@50.0 =100m
 Approach Length: NS: 200m FS: 400m
 Superstructure: Steel I-Girder
 Substructure: Wall Type Abutment Wall Type Pier
 Foundation: Spread Foundation
 Resettlement: No

** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name		Province	District	AADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition	
65	AA032	Navakkuli - Kerativu - Mannar		Northern	Mannar	1,800	2			Coastal / Long Bridge	
	Bridge No. (71+660)	Bridge Length (m)	Bridge Width (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records
		Kalliyadi	Overall	2	Super-structure Multiple Pipe Culvert	1		Fair	-	Insufficient	
			Curb-to-Curb		Pier						



< PRESENT CONDITIONS >

[BRIDGE]
Insufficient causeway elevation for floods

[SOUNDNESS]**
- Superstructure
Poor

RATE 2

- Substructure

RATE

- Others

[SURROUNDING AREA]

< PROPOSAL >

Reconstruction is not recommended because of Environmental problem.

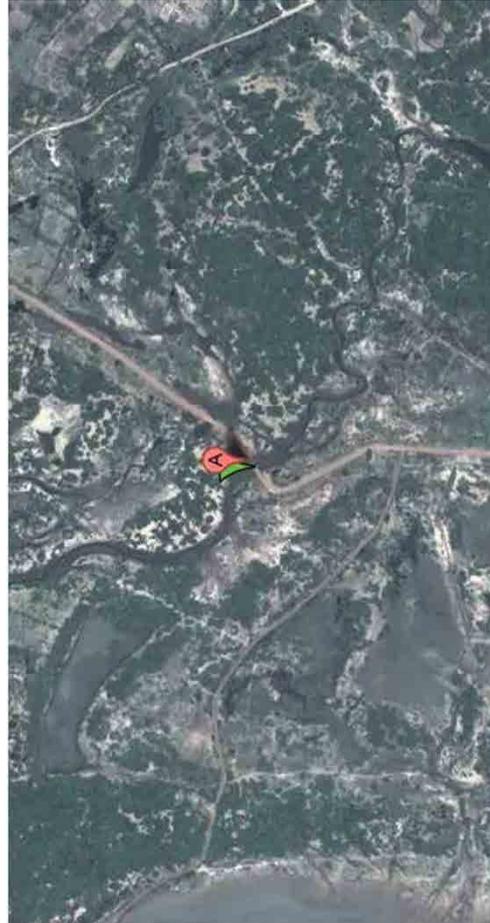
Bridge Length: Approach Length:

Superstructure:

Substructure:

Foundation:

Resettlement:



** SOUNDNESS RATE

RATE 1: Good condition

RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.

RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.

RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name				Province	District	AAADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	B403	Thallady - Arippu - Marichchukaddy South Coast Road				Northern	Mannar	921	2	Road improvement by ADB fund		ok
66	Bridge No.	Bridge Name	Bridge Length (m)	Overall	Bridge Width (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Sub-structure	Bridge Soundness
	7/1	Aru - Kuli Causeway	90.00	5.00	5.00	1	Multiple Pipe Culvert	1		Poor	-	Insufficient
												Flood water level is 1.5m above the causeway.



< PRESENT CONDITIONS >

[BRIDGE]

Narrow for 2-lane traffic
Insufficient causeway elevation for floods
[SOUNDNESS]**
- Superstructure
Poor

RATE 3

RATE

- Substructure

- Others

[SURROUNDING AREA]



< PROPOSAL >

New bridge at R-side of the existing causeway
NS approach on the existing causeway

Bridge Length: 4@15.0 =60m
Approach Length: NS: 150m FS: 200m
Superstructure: Precast PC Girder
Substructure: Wall Type Abutment Wall Type Pier
Foundation: Pile Foundation
Resettlement: A few households

** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name				Province	District	AADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	B403	Thallady - Arippu - Marichchukaddy South Coast Road								Northern	Mannar	
67	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)		No. of Lane	Bridge Type		No. of Span	Bridge Soundness		Flood Records
	39/2	Kal Aru Causeway	70.00	Overall	Curb-to-Curb		2	Super-structure		Pier	Super-structure	



< PRESENT CONDITIONS >

[BRIDGE]
 Narrow for 2-lane traffic
 Insufficient causeway elevation for floods
 [SOUNDNESS]**
 - Superstructure Poor RATE 3
 - Substructure RATE
 - Others
 [SURROUNDING AREA]



< PROPOSAL >
New bridge on the existing alignment
 Bridge Length: 6@16.7 =100m
 Approach Length: NS: 200m FS: 200m
 Superstructure: Precast PC Girder
 Substructure: Wall Type Abutment Wall Type Pier
 Foundation: Spread Foundation
 Resettlement: A few households

** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name		Province	District	AAADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	AA007	Avissawella - Hatton - Nuwara Eliya		Sabaragamuwa	Kegalle	10,400	2			Soil Erosion
69	Bridge No.	Bridge Length (m)	Bridge Width (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Sub-structure	Flood Records
	38/3	60.00	Overall Curb-to-Curb 9.50	1	RC Wall Type	4		Fair	Fair	none



< PRESENT CONDITIONS >

[BRIDGE]

Curb-to-Curb of 7.60m wide is sufficient for 2-lane traffic of Class A Road.

[SOUNDNESS]**

- Superstructure Fair RATE 2
- Substructure Fair RATE 2
- Others

[SURROUNDING AREA]

Old Steel Through Lattice Truss is still used for the traffic at the L-side of the existing bridge.

< PROPOSAL >

Reconstruction is not recommended.

- Bridge Length: Approach Length:
- Superstructure:
- Substructure:
- Foundation:
- Resettlement:

** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.



Bridge Inventory No.	Road No.	Road Name		Province	District	AAADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	B408	Talduwa - Meewitigammana	Sabaragamuwa	Kegalle	4,700	2	Bridge		ok	
71	Bridge No.	Bridge Name	Bridge Length (m)	No. of Lane	Bridge Type		Completion Year	Bridge Soundness		Flood Records
	5/2	Kelani	120.20	2	Super-structure	Pier		Sub-structure	Loading Capacity	
			Overall		RC Column Type					
			Curb-to-Curb		RC Column Type					
			7.30							
			5.50							
			5.50							
			6							



< PRESENT CONDITIONS >

[BRIDGE]

Curb-to-Curb of 5.50m wide is sufficient for the time being taking into consideration the existing traffic volume of Class B Road.

[SOUNDNESS]**

- Superstructure RATE 3
- Substructure RATE 3
- Others

[SURROUNDING AREA]

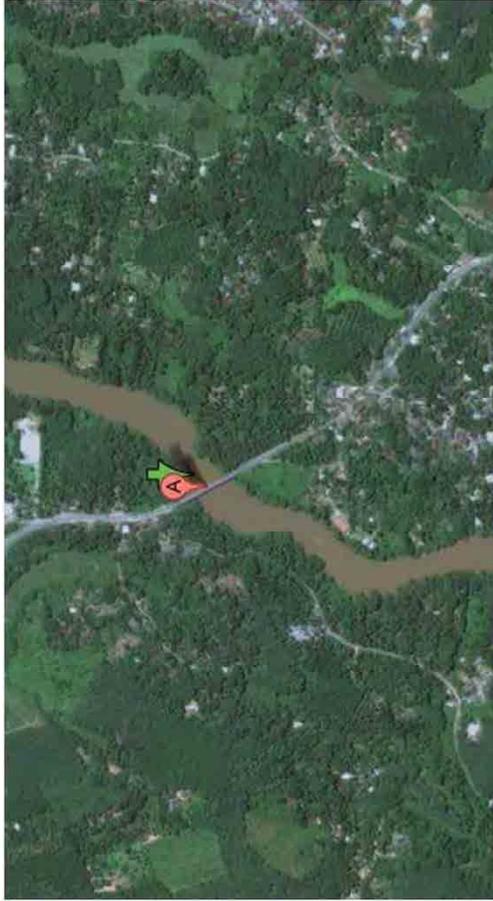
< PROPOSAL >

Reconstruction is not recommended.

- Bridge Length: Approach Length:
- Superstructure:
- Substructure:
- Foundation:
- Resettlement:

** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.



Bridge Inventory No.	Road No.	Road Name				Province	District	AA DT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition	
	B604	Paragammana - Dikella - Atugoda - Wanduradeniya	Sabaragamuwa		Kegalle		2				ok		
77	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)	No. of Lane	Super-structure	Bridge Type	No. of Span	Comple-tion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records
	15/8	Wanduradeniya	42.40	Overall Curb-to-Curb 4.90	1	Precast PC Girder	Abutment RC Wall Type	4		Poor	Poor	Sufficient	none



< PRESENT CONDITIONS >

[BRIDGE]

Curb-to-Curb of 3.90m wide is sufficient for the time being taking into consideration the existing traffic volume of Class B Road.

[SOUNDNESS]**

- Superstructure RATE 3
- Poor
- Color of whole bridge has changed and exudate is seen from the joint part
- Substructure RATE 3
- Poor
- Others

[SURROUNDING AREA]

< PROPOSAL >

Reconstruction is not recommended.

- Bridge Length: Approach Length:
- Superstructure: Substructure: Foundation: Resettlement:

** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name		Province	District	AAADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	AA004	Sammanthurai - Malkampiddi - Deegawapiya	Sabaragamuwa	Ratnapura	7,712	2	Bridge		ok	
82	Bridge No.	Bridge Length (m)	Bridge Width (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Sub-structure	Flood Records
	157/6	34.50	Overall Curb-to-Curb 6.30 Curb-to-Curb 5.20	2	Steel Lattice Truss Stone/ RC Wall Type Stone/ RC Wall Type Pier Wall Type	2		Good	Critical	none



< PRESENT CONDITIONS >

[BRIDGE]

Curb-to-Curb of 5.20m wide is insufficient for 2-lane traffic of Class A Road.

[SOUNDNESS]**

- Superstructure Good RATE 1

- Substructure Critical RATE 4

Crack at R-side of A1 Abutment is 1 to 3 cm wide.

[SURROUNDING AREA]

< PROPOSAL >

The existing bridge is to be used for the time being with improvement works of A1 Abutment to keep an access of the branch road to AA004.

New bridge at R-side of the existing bridge

Bridge Length: 3@50.0 =150m
 Approach Length: NS: 200m FS: 200m
 Superstructure: Steel I-Girder
 Substructure: Wall Type Abutment Wall Type Pier
 Foundation: Spread Foundation

Resettlement: No

** SOUNDNESS RATE

RATE 1: Good condition

RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.

RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.

RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.



Bridge Inventory No.	Road No.	Road Name				Province	District	AAADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	AA004	Colombo - Ratnapura - Wellawaya - Batticaloa	Sabaragamuwa	Ratnapura	14,600	4	Bridge		Resettlement more than 20			
101	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)		Bridge Type		Completion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records
	99/6		24.60	Overall	Curb-to-Curb	Abutment	Pier					
				11.20	7.50	No. of Lane	RC Wall Type		Good	Good	Sufficient	
						2	RC Wall Type					
							Precast PC Girder					



< PRESENT CONDITIONS >

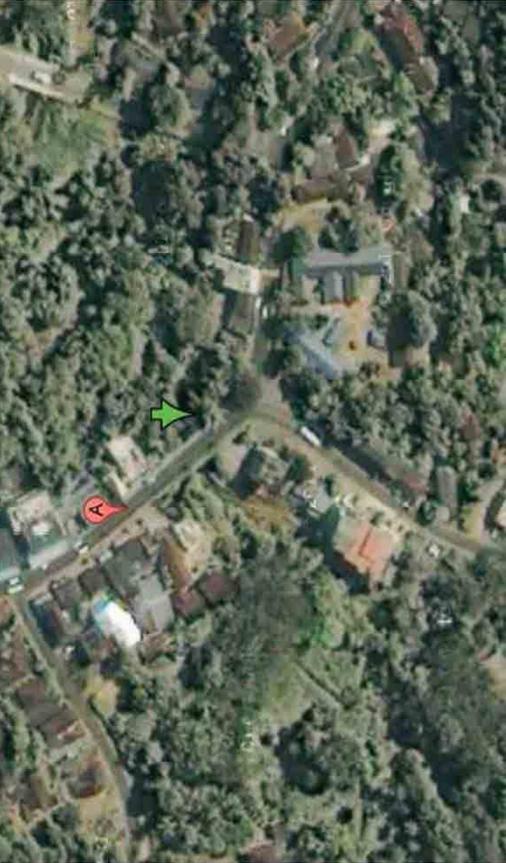
[BRIDGE]

Curb-to-Curb of 7.50m wide is sufficient for 2-lane traffic of Class A Road.

[SOUNDNESS]**

- Superstructure Good RATE 1
- Substructure Good RATE 1
- Others

[SURROUNDING AREA]



< PROPOSAL >

Reconstruction is not recommended because of Environmental problem.

Approach Length:

- Bridge Length:
- Superstructure:
- Substructure:
- Foundation:
- Resettlement:

** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name		Province	District	AAADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	AA002	Colombo - Galle - Hambantota - Wellawaya (CGHW)	Southern	Galle	12,205	4	Coastal/ Long Bridge		ok	
103	Bridge No.	Bridge Name	Bridge Length (m)	No. of Lane	Bridge Type		Completion Year	Bridge Soundness		Flood Records
	138/1	Goiyapana	48.75	2	Super-structure Precast PC Girder	Abutment RC Wall Type		Pier RC Wall Type	Sub-structure Fair	
		Bridge Width (m)	Overall	Curb-to-Curb	No. of Span					
		12.10	10.30		3					none



< PRESENT CONDITIONS >

[BRIDGE]

Curb-to-Curb of 10.30m wide is sufficient for 2-lane traffic of Class A Road.

[SOUNDNESS]**

- Superstructure Critical RATE 4
- Re-bars at soffits of Precast Girders corroded seriously RATE 2
- Substructure Fair
- Vertical crack of A1 Wing Wall
- Others

[SURROUNDING AREA]

A temple at R-side of NS approach

< PROPOSAL >

Reconstruction on the existing alignment

- Bridge Length: 3@30.0 =90m
- Approach Length: NS: 200m FS: 100m
- Superstructure: Pos I-Girder
- Substructure: Wall Type Abutment Wall Type Pier
- Foundation: Cast-in-place concrete pile foundation
- Resettlement: A few households

** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.



Bridge Inventory No.	Road No.	Road Name				Province	District	AADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	B607	Bengamuwa - Molokgamuwa - Galdola				Southern	Matarara	900	2			ok
106	Bridge No.	Bridge Length (m)	Bridge Width (m)	No. of Lane	Super-structure	Bridge Type	No. of Span	Completion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records
	10/1	30.40	Overall Curb-to-Curb 4.00 Curb-to-Curb 3.40	1	Precast PC Girder	RC Wall Type	2		Fair	Fair	Insufficient	Flood water level was 4.0m above the bridge surface in 1983.



< PRESENT CONDITIONS >

[BRIDGE]

Curb-to-Curb of 3.40m wide is sufficient for the time being taking into consideration the existing traffic volume of Class B Road.

[SOUNDNESS]**

- Superstructure Fair RATE 2
- Substructure Fair RATE 2
- Others

[SURROUNDING AREA]

< PROPOSAL >

Reconstruction is not recommended.

- Bridge Length: Approach Length:
- Superstructure:
- Substructure:
- Foundation:
- Resettlement:



** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name		Province	District	AAAT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	B142	Hakmana - Meella - Talahaganwaduwa		Southern	Matarara	3,839	2			ok
108	Bridge No.	Bridge Length (m)	Bridge Width (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Bridge Soundness	Flood Records
	4/1	Denagama	Overall Curb-to-Curb 3.50 Curb-to-Curb 3.30	1	Steel Girder Abutment Stonework Pier Stonework	4		Critical	Critical Insufficient	none



< PRESENT CONDITIONS >

[BRIDGE]

Curb-to-Curb of 3.30m wide is insufficient for 2-lane traffic of Class B Road.

[SOUNDNESS]**

- Superstructure Critical RATE 4
- Steel girders are in good condition. Re-bar of RC Slab corroded wide area. RATE 4
- Substructure Cracks of stonework Abutments and Piers
- Others

[SURROUNDING AREA]

< PROPOSAL >

Reconstruction at L-side of the existing bridge

- Bridge Length: 2@40.0 = 80m
- Approach Length: NS: 300m FS: 100m
- Superstructure: Steel I-Girder
- Substructure: Wall Type Abutment Wall Type Pier
- Foundation: Cast-in-place concrete pile foundation
- Resettlement: A few households

** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.



Bridge Inventory No.	Road No.	Road Name				Province	District	AAADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	B153	Hikkaduwa - Baddegama - Nilhena Road				Southern	Galle	5,112	2			
109	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)	No. of Lane	Bridge Type		Completion Year	Bridge Soundness		Flood Records	
	10/4	Halpatota	45.00	Overall: 5.50 Curb-to-Curb: 5.50	2	Super-structure Through Lattice Truss Steel Deck	Abutment Stonework	Pier Stonework	1929	Fair	Insufficient	none



< PRESENT CONDITIONS >

[BRIDGE]

Curb-to-Curb of 5.50m wide is sufficient for the time being taking into consideration the existing traffic volume of Class B Road.

[SOUNDNESS]**

- Superstructure RATE 4
- Critical
- Steel members, especially out girders corroded/ rusted
- Substructure RATE 2
- Fair
- Others

[SURROUNDING AREA]

< PROPOSAL >

New bridge on the new alignment
The existing bridge to be remained for the community

- Bridge Length: 3@30.0 = 90m
- Approach Length: NS: 100m FS: 300m
- Superstructure: Pos I-Girder
- Substructure: Wall Type Abutment Column Type Pier
- Foundation: Cast-in-place concrete pile foundation
- Resettlement: A few households



** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

Bridge Inventory No.	Road No.	Road Name		Province	District	AAADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition	
	AA002	Colombo - Galle - Hambantota - Wellawaya (CGHW)		Southern	Galle	12,205	4			ok	
110	Bridge No.	Bridge Name	Bridge Length (m)	No. of Lane	Bridge Type		Completion Year	Bridge Soundness		Flood Records	
	148/1	Polwathumodara	100.10	2	Super-structure	Pier		Super-structure	Sub-structure		Loading Capacity
		Overall	Curb-to-Curb		RC Wall Type	RC Wall/ Pile Bent	1956, Repaired 10 years ago	Fair	Fair	Insufficient	none
		8.20	5.50								



< PRESENT CONDITIONS >

[BRIDGE]

Curb-to-Curb of 5.50m wide is sufficient for the time being for 2-lane traffic of Class A Road.

[SOUNDNESS]**

- Superstructure Fair RATE 2
- Substructure Fair RATE 2
- Others

[SURROUNDING AREA]

< PROPOSAL >

Additional 2-lane bridge at R-side of the existing bridge
The existing bridge to be used for the time being

- Bridge Length: 4@30.0 = 120m
- Approach Length: NS: 200m FS: 150m
- Superstructure: Pos I-Girder
- Substructure: Wall Type Abutment Wall Type Pier
- Foundation: Cast-in-place concrete pile foundation
- Resettlement: A few households

** SOUNDNESS RATE

- RATE 1: Good condition
- RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.
- RATE 3: Significant damages: Damaged portion(s) are to be repaired immediately.
- RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

