

Bridge Inventory No. 41	Road No. B538	Road Name Kahatagasdigiya - Rathmalgahaweewa - Kivulekade		Province North Central	District Anuradhapura	AADT (No./Day)	No. of Lanes of Road Proposed by RDA 2	Construction Plan of Road to/ from Bridge		Environmental Condition ok
	Bridge No. 20/1	Bridge Name	Bridge Length (m) 42.00	Bridge Width (m) Overall 6.70	No. of Lane 2	No. of Span	Completion Year	Super-structure	Sub-structure	Bridge Soundness Loading Capacity



< PRESENT CONDITIONS >

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

- Substructure RATE

- Others

[SURROUNDING AREA]

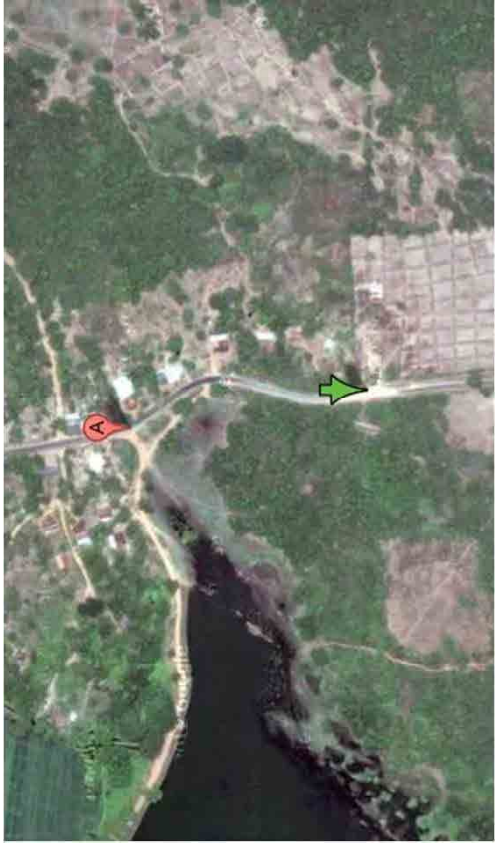
< PROPOSAL >

New bridge more than 30m long 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	AADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition	
	B517	Dehiattakandiya - Aralaganwila		North Central	Polonnaruwa	2,700	2			ok	
42	Bridge No.	Bridge Length (m)	Bridge Width (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Sub-structure	Bridge Soundness	Flood Records
	4/1	40.40	Overall Curb-to-Curb	1	Super-structure Precast PC Girder	3	1986	Good	Poor	Sufficient	none



< PRESENT CONDITIONS >

[BRIDGE]

Curb-to-Curb of 6.95m wide is sufficient for the time being taking into consideration the existing traffic volume of Class B Road.

[SOUNDNESS]**

- Superstructure Good RATE 1
- Substructure RATE 3
- Pile Caps of A1 Abutment and P1 Pier were scoured out by floods.
- Pile Heads of A1 Abutment and P1 Pier have been exposed.
- Others

[SURROUNDING AREA]

< PROPOSAL >

(Reconstruction at R-side of the existing bridge)
Eliminated by LOT size

- 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.

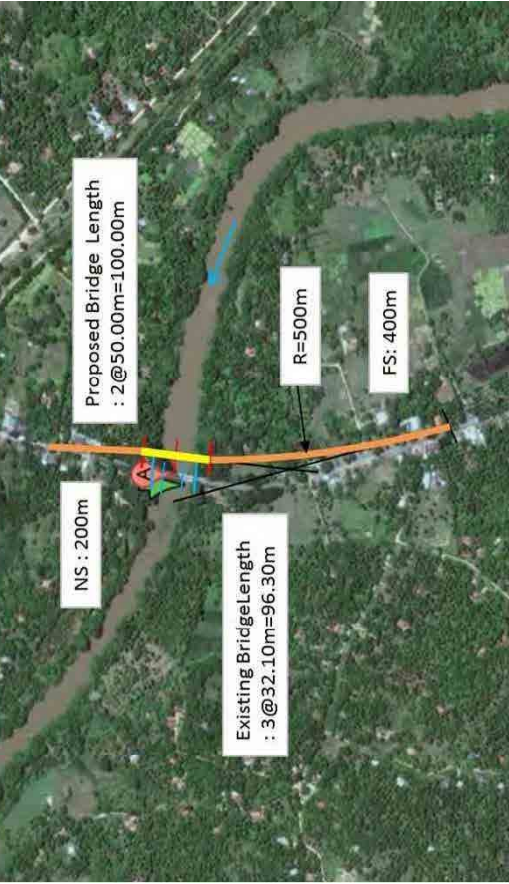
RATE 4: Critical damages: Urgent improvement, reconstruction or restriction of heavy vehicles is required.

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
	AA028	Anuradhapura - Padeniya		North Western	Kurunegala	5,561	4	Road improvement by foreign fund		ok
43	Bridge No.	Bridge Length (m)	Bridge Width (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Bridge Soundness		Flood Records
	75/4	Kurunegala	Overall Curb-to-Curb	2	Super-structure Steel Warren Truss	3	1964	Super-structure	Loading Capacity	none
		96.30	8.40 6.80		RC Wall Type		Fair	Good	Sufficient	



< PRESENT CONDITIONS >

[BRIDGE]
 Curb-to-Curb of 6.80m wide is sufficient for the time being for 2-lane traffic of Class A Road.
 [SOUNDNESS]**
 - Superstructure RATE 2
 Fair
 Bridge members have been rusted without proper maintenance works.
 - Substructure RATE 1
 Good
 - Others
 [SURROUNDING AREA]



< PROPOSAL >
Additional 2-lane bridge at R-side of the existing bridge

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: Less than 20 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
	B264	Kandehandiya - Adikarigama - Randenigala - Loggal Oya	Central	Nuwara Eliya	3,913	2	Bridge		ok	
45	Bridge No.	Bridge Name	Bridge Length (m)	No. of Lane	Bridge Type		Completion Year	Bridge Soundness		Flood Records
	30/2	Meeliyadda Palama	36.70	1	Super-structure Steel Platte Truss	Abutment Stonework		Pier	Super-structure	
		Bridge Width (m)	Overall	Curb-to-Curb						
		4.20	3.20					Fair	Good	Insufficient



< PRESENT CONDITIONS >

[BRIDGE]

Insufficient horizontal and vertical clearances for the traffic of Class B Road

[SOUNDNESS]**

- Superstructure Fair RATE 2

- Substructure Good RATE 1

- Others Stonemasonry Retaining Wall at R-side of NS Approach is damaged.

[SURROUNDING AREA]

< PROPOSAL >

Reconstruction at R-side of the existing bridge

Bridge Length: 1@50.0 =50m

Approach Length: NS: 150m FS: 100m

Superstructure: Steel I-Girder

Substructure: Wall Type Abutment Wall Type Pier

Foundation: Cast-in-place concrete pile foundation

Resettlement: A few households

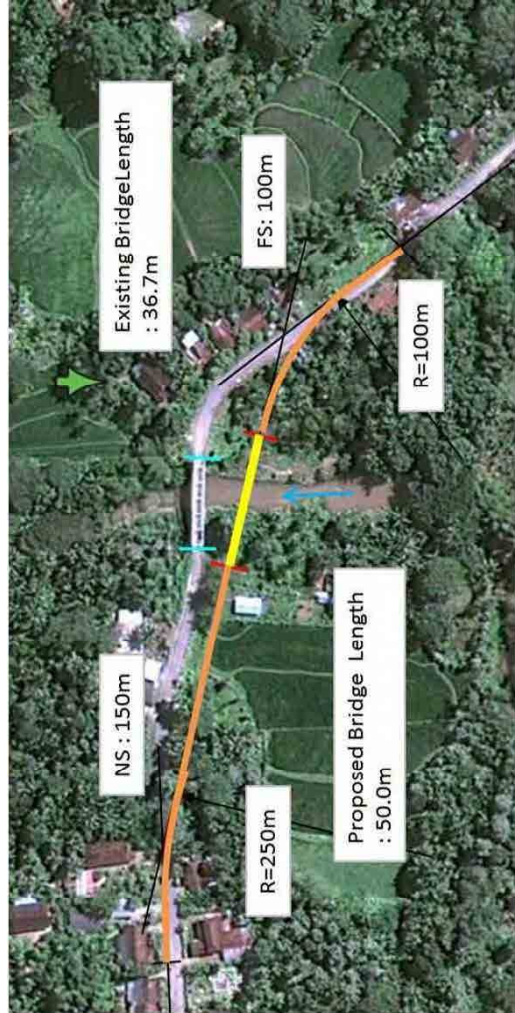
** SOUNDNESS RATE

RATE 1: Good condition

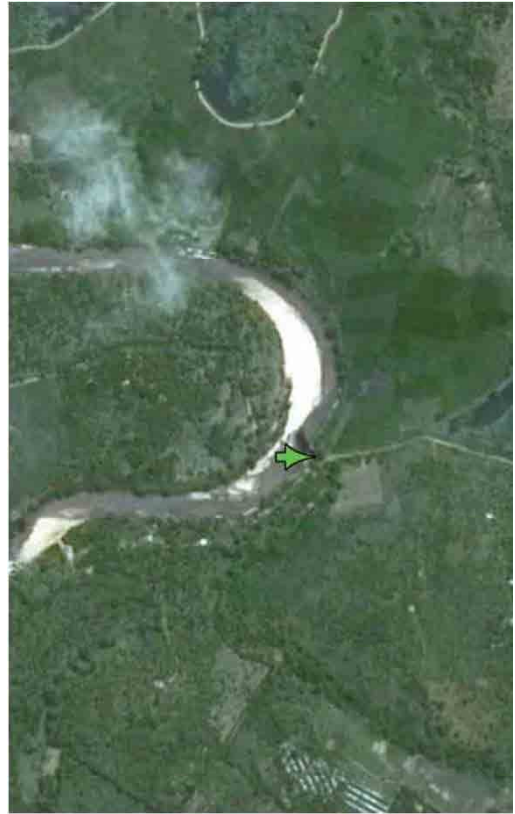
RATE 2: Fair condition with minor natures: Periodical maintenance is required. No urgent repair is needed.

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	AA DT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge			Environmental Condition	
	-	Across Deduru Oya (Closed to Rasnayakepura - Kadigawa Road)				North Western	Kurunegala		2				ok	
46	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)		No. of Lane	Bridge Type		No. of Span	Comple-tion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records
	New	Kadigawa	100.00	Overall	Curb-to-Curb		Super-structure	Pier						



< PRESENT CONDITIONS >

[BRIDGE]

[SOUNDNESS]**

- Superstructure RATE

- Substructure RATE

- Others
Proper access road to the location of new bridge is not exist.

[SURROUNDING AREA]

< PROPOSAL >

New bridge is not recommended.

Bridge Length: Approach Length:

Superstructure:

Substructure:

Foundation:

Resettlement:

** SOUNDNESS RATE

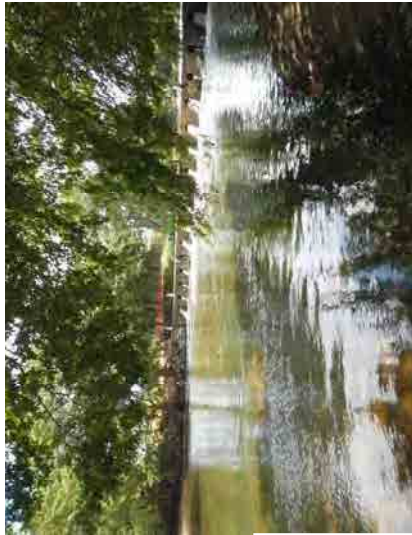
RATE 1: Good condition

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
	B379	Puttalam - Marichchikadai				North Western	Puttalam	3,300	2	Road improvement by foreign fund		Forest Reserve
51	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)		No. of Lane	Bridge Type		Comple-tion Year	Super-structure	Bridge Soundness	Flood Records
	32/1		60.00	Overall	Curb-to-Curb		Super-structure	Pier				
				3.60	3.60	1	Multipole Pipe Culvert	-	-	Fair	-	Insufficient



< PRESENT CONDITIONS >

[BRIDGE]
Narrow for 2-lane traffic

[SOUNDNESS]**
- Superstructure Fair

- Substructure RATE

- Others RATE

[SURROUNDING AREA]

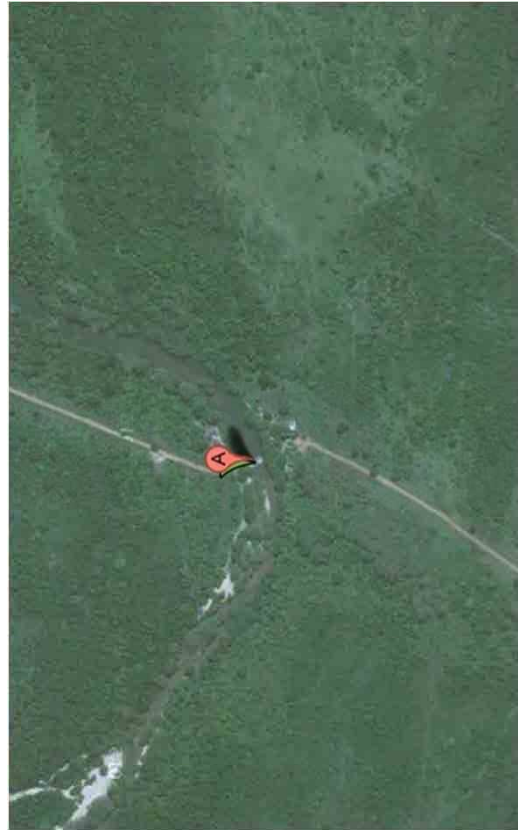
< PROPOSAL >

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
	AA003	Peliyagoda - Puttalam		North Western	Puttalam	8,537	4			ok
53	Bridge No.	Bridge Name	Bridge Length (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Bridge Soundness	Flood Records
	92/4		42.50	2	RC Slab	4		Poor	Fair	none
		Bridge Width (m)	Overall	Curb-to-Curb	Pier	RC Wall Type				
		6.10	5.50		RC Wall Type					



< PRESENT CONDITIONS >

[BRIDGE]

Curb-to-Curb of 5.50m wide is insufficient for 2-lane traffic of Class A Road.

[SOUNDNESS]**

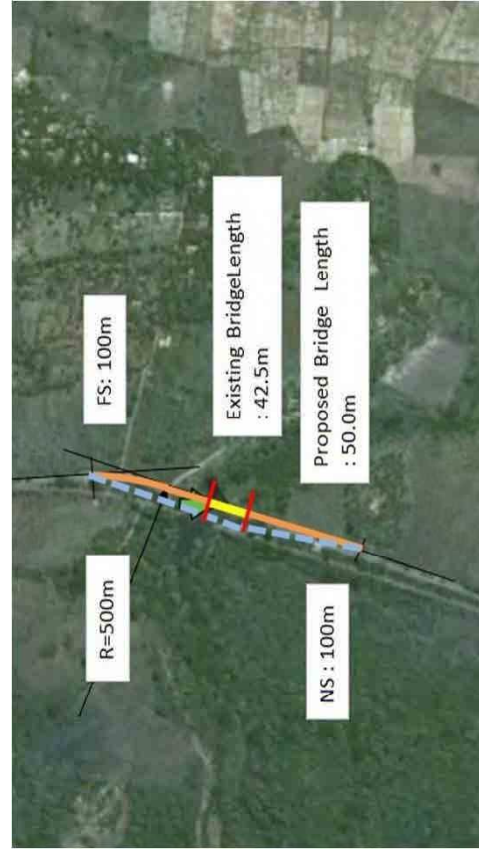
- Superstructure Poor RATE 3
- R-Bars of C Slab corroded
- Substructure Fair RATE 2
- Others

[SURROUNDING AREA]

< PROPOSAL >

New bridge on the existing alignment

- Bridge Length: 1@50.0 = 50m
- Approach Length: NS: 100m FS: 100m
- Superstructure: Steel I-Girder
- Substructure: Wall Type Abutment Wall Type Pier
- Foundation: Cast-in-place concrete pile 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. 54	Road No. AA003	Road Name Peliyagoda - Puttalam		Province North Western	District Puttalam	AA DT (No./Day) 8,500	No. of Lanes of Road Proposed by RDA 4		Construction Plan of Road to/ from Bridge		Environmental Condition ok
	Bridge No. 94/4	Bridge Name Ratambala Oya	Bridge Length (m) 115.50	No. of Lane 2	Bridge Type Super-structure PC I Girder	No. of Span 4	Comple- tion Year	Super- structure	Bridge Soundness Sub- structure	Loading Capacity	Flood Records none
		Bridge Width (m) Overall 10.60	Curb-to-Curb 7.30	RC Wall Type	Pier RC Wall Type		Good	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

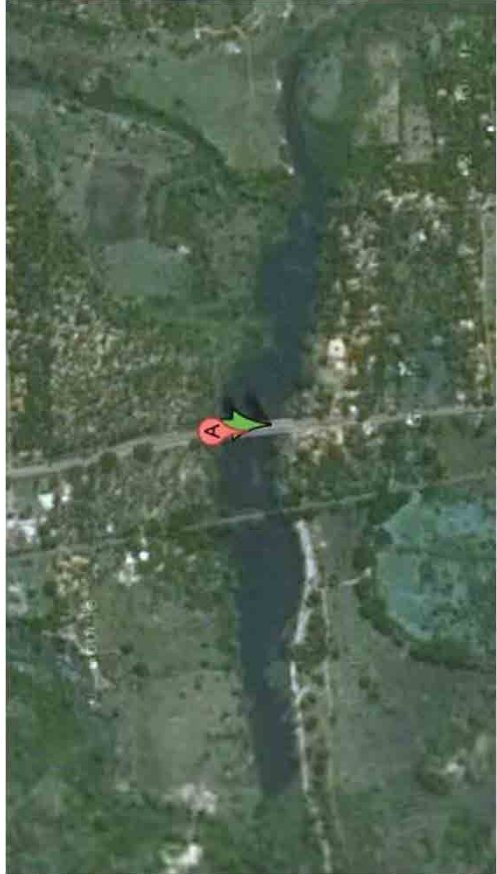
RATE 1

- Substructure
Good

RATE 1

- Others

[SURROUNDING AREA]



< PROPOSAL >

Reconstruction is not recommended.

Bridge Length:
Superstructure:
Substructure:
Foundation:

Approach Length:

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 Name	Bridge Length (m)	Bridge Width (m)		No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Sub-structure	Bridge Soundness
	New	Sellvapuram Causeway	118.00	Overall	Curb-to-Curb	2	-	-	-	-	-	Insufficient Loading Capacity
				7.50	7.50							Flood Records
												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: 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.

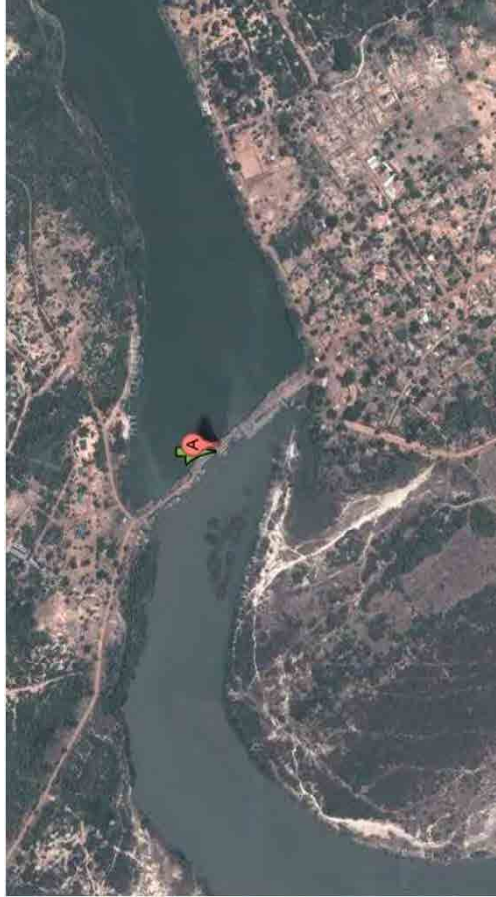
Bridge Inventory No.	Road No.	Road Name				Province	District	AAAT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/from Bridge		Environmental Condition
	AA035	Parantan - Mullaitive Highway				Northern	Jaffna		2			Coastal / Long Bridge
56	Bridge No.	Bridge Name	Bridge Length (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
 - Substructure Poor RATE 3
 - 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	Stonework RC Wall Type	3	More than 100 years ago	Poor	Good	Insufficient
				4.80	4.80		Pier					Flood Records
							RC Wall Type					none



< PRESENT CONDITIONS >

[BRIDGE]

Narrow for 2-lane traffic

[SOUNDNESS]**

RATE 3

- Superstructure Steel I Beams corroded.
- Precast RC Slabs damaged.

RATE 1

- Substructure 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	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
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]

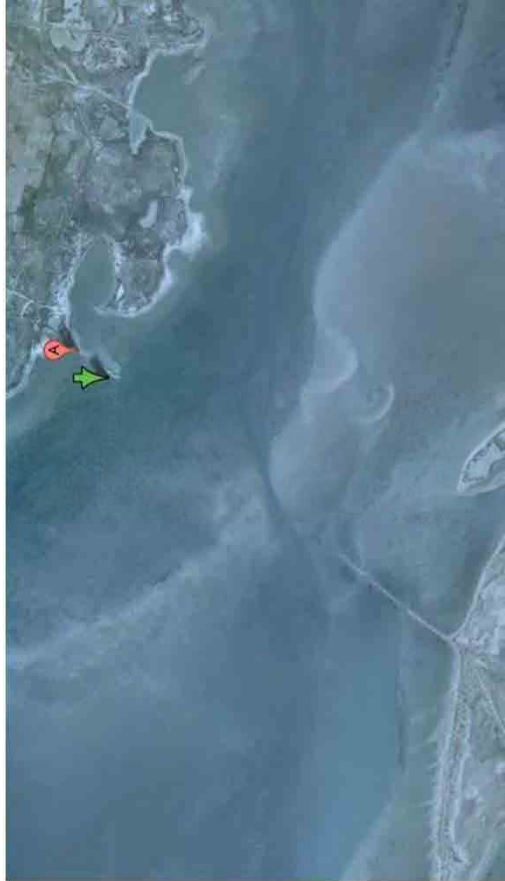
[SOUNDNESS]**

- Superstructure RATE

- Substructure RATE

- Others

[SURROUNDING AREA]



< PROPOSAL >

Reconstruction is not recommended because of Environmental problem.

Bridge Length:

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	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	Jaffna	Northern	Jaffna	No. of Span		2		Bridge		Coastal/New Bridge			
62	Bridge No.	Bridge Name	Bridge Length (m)	Overall	Bridge Width (m)	No. of Lane	Super-structure	Abutment	Pier	No. of Span	Completion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records
	New		500			2									none



< PRESENT CONDITIONS >

[BRIDGE]

[SOUNDNESS]**

- Superstructure RATE

- Substructure RATE

- Others

[SURROUNDING AREA]

< PROPOSAL >

Reconstruction is not recommended because of Environmental problem.

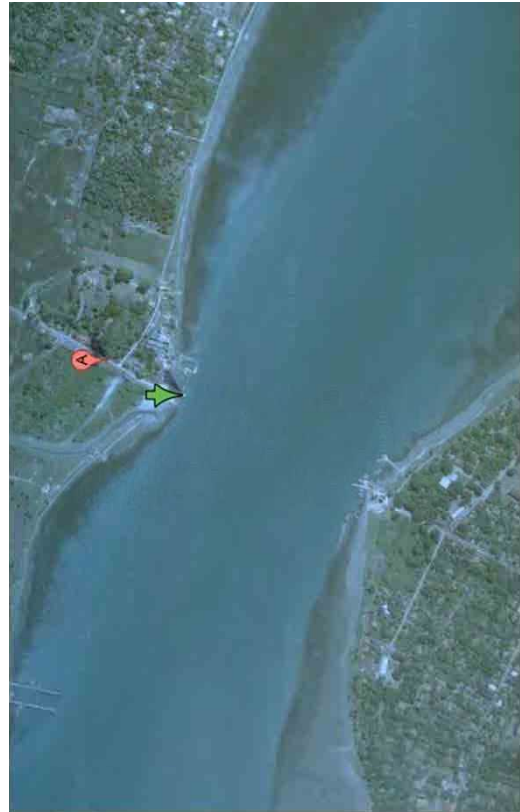
Bridge Length: Approach Length:

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			ok
	Bridge No.	Bridge Length (m)	Bridge Width (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Bridge Soundness	Flood Records
	(59+610)	Pall aru Bridge with Causeway	Overall Curb-to-Curb	2	Multiple Pipe Culvert	1		Fair	Insufficient Loading Capacity	Flood water level is 1.5m above the causeway.
		46.50	7.40	7.40						



< 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	AAADT (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)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records
	(32+482)	Nachchikuda Causeway	60.00								



< PRESENT CONDITIONS >

[BRIDGE]
 Insufficient causeway elevation for floods
 RATE 3

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



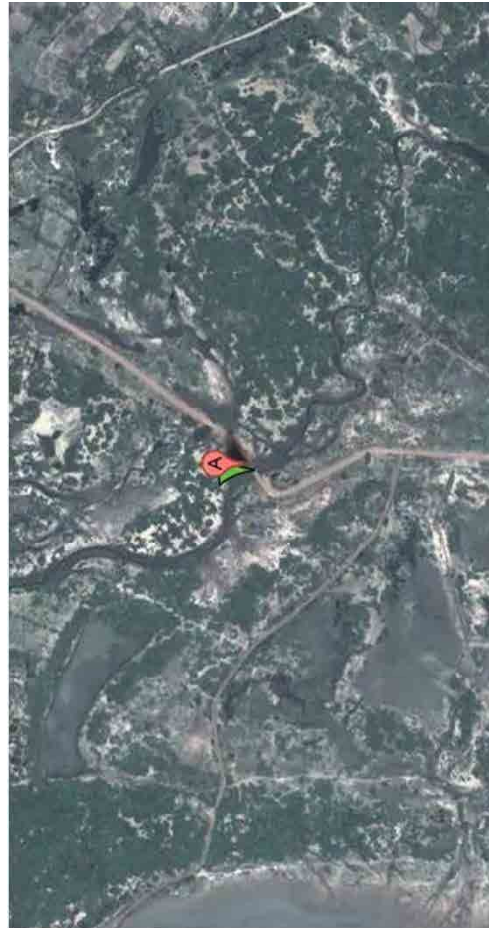
< PROPOSAL >

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 7.40	2	Super-structure 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 >

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)	Bridge Width (m)	No. of Lane	Bridge Type		No. of Span	Bridge Soundness		Flood Records	
	7/1	Aru - Kuli Causeway	90.00	Overall Curb-to-Curb 5.00		Super-structure Multiple Pipe Culvert	Abutment		Pier	Super-structure		Loading Capacity



< PRESENT CONDITIONS >

[BRIDGE]

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

[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	AA DT (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		2	Road improvement by foreign fund		ok	
67	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)		No. of Lane	Bridge Type		Comple-tion Year	Bridge Soundness		Flood Records	
	39/2	Kal Aru Causeway	70.00	Overall	Curb-to-Curb		Super-structure	Abutment		Pier	Super-structure		Sub-structure
				6.10	6.10	2				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
- Substructure RATE 3
- Others RATE

[SURROUNDING AREA]

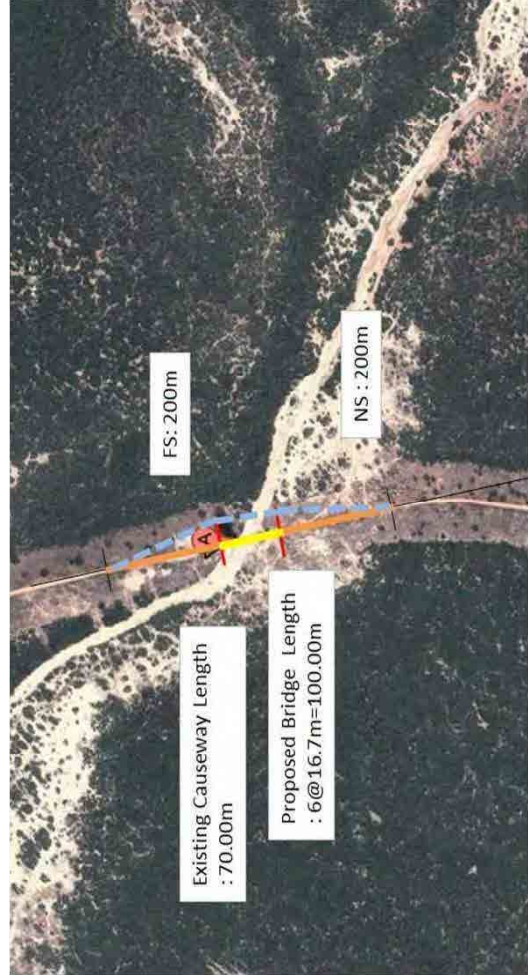
< PROPOSAL >

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	Loading Capacity	Flood Records
	38/3	Liulgala	60.00								



< 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	
	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	Completion 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:
 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	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	Bridge Soundness	Flood Records	
	157/6	34.50	Overall Curb-to-Curb 6.30	2	Super-structure Steel Lattice Truss Abutment Stone/ RC Wall Type Pier Stone/ RC Wall Type	2		Sub-structure Critical Loading Capacity Insufficient	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.

