

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	Bridge Soundness	Loading Capacity	Flood Records
	99/6		24.60	Overall	Curb-to-Curb	Abutment	Pier					
				11.20	7.50	2	RC Wall Type		Good	Good	Sufficient	



< 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	AA DT (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	Comple-tion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records
	10/1	30.40	Overall Curb-to-Curb 4.00	1	Precast PC Girder	Abutment 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	AAADT (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	1	Abutment Pier	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	AAAT (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	Super-structure	Bridge Type	Completion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records
	10/4	Halpatota	45.00	Overall 5.50 Curb-to-Curb 5.50	2	Through Lattice Truss Steel	Stonework Abutment Stonework Pier Stonework Stonework	1929	Critical	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 RATE 2
- 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.



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	13,892	4	Bridge		ok
112	Bridge No.	Bridge Length (m)	Bridge Width (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Bridge Soundness	Flood Records
	133/3	Kathalu (Pol Oya)	49.35	2	RC Slab	3		Critical	Poor	none
		Overall Curb-to-Curb	9.60	RC Slab	Pier					
			10.20	RC Slab	RC Wall Type					



< PRESENT CONDITIONS >

[BRIDGE ]  
Curb-to-Curb of 9.60m wide is sufficient for 2-lane traffic of Class A Road.

[ SOUNDNESS ]\*\*  
- Superstructure RATE 4  
Critical  
Both main and distribution bars of RC Slabs are corroded seriously.  
- Substructure RATE 3  
Fair  
Vertical crack of A1 Wing Wall  
- Others

[ SURROUNDING AREA ]



< PROPOSAL >

**Reconstruction on the existing alignment**

Bridge Length: 3@30.0 = 90m  
Approach Length: NS: 150m 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.



Bridge Inventory No. 113	Road No. Non RDA	Road Name Polwatta - Denipitiya		Province Southern	District Matara	AA DT (No./Day) --	No. of Lanes of Road Proposed by RDA 2	Construction Plan of Road to/ from Bridge		Environmental Condition ok
	Bridge No. -	Bridge Name Polawatta	Bridge Length (m) 100	No. of Lane 1	Super-structure RC Slab	Bridge Type Pier	Comple-tion Year	Super-structure Critical	Bridge Soundness Sub-structure Critical	Flood Records Insufficient
		Overall 3.70	Bridge Width (m) Curb-to-Curb 2.80		Pile Bent Type	No. of Span 22				



< PRESENT CONDITIONS >

[BRIDGE ]

Curb-to-Curb of 2.8m wide is insufficient for the existing traffic.  
Insufficient bridge elevation for floods

[ SOUNDNESS ]\*\*

- Superstructure Critical RATE 4
- Re-bar of RC Slab corroded. RATE 4
- Substructure Critical
- Cracks of RC Piles
- Others

[ SURROUNDING AREA ]

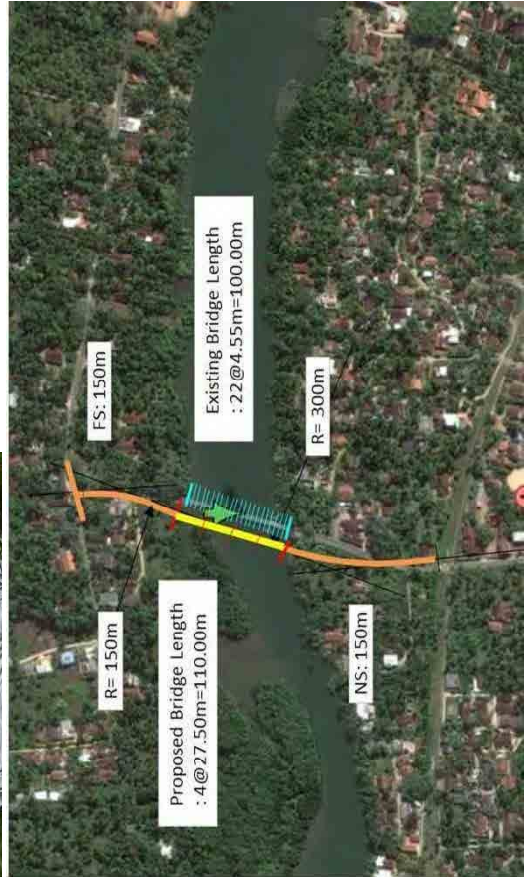
< PROPOSAL >

**Reconstruction at R-side of the existing bridge**

- Bridge Length: 4@27.5 = 110m
- Approach Length: NS: 150m FS: 150m
- Superstructure: Pos 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. 116	Road No. B128	Road Name Galle - Baddegama		Province Southern	District Galle	AA DT (No./Day) 7,073	No. of Lanes of Road Proposed by RDA 2		Construction Plan of Road to/ from Bridge		Environmental Condition ok
	Bridge No. 15/2	Bridge Name Kahabiliya	Bridge Length (m) 31.25	No. of Lane 2	Super-structure RC Slab	Bridge Type RC Wall Type	Comple-tion Year	Super-structure Poor	Bridge Soundness Sub-structure Poor	Loading Capacity Insufficient	Flood Records Flood water level was 1.5m above the bridge surface in 2003.
		Bridge Width (m) Overall 5.90	Curb-to-Curb 5.30								



< PRESENT CONDITIONS >

[ BRIDGE ]

Curb-to-Curb of 5.3m wide is insufficient for 2-lane traffic of Class B Road.

[ SOUNDNESS ]\*\*

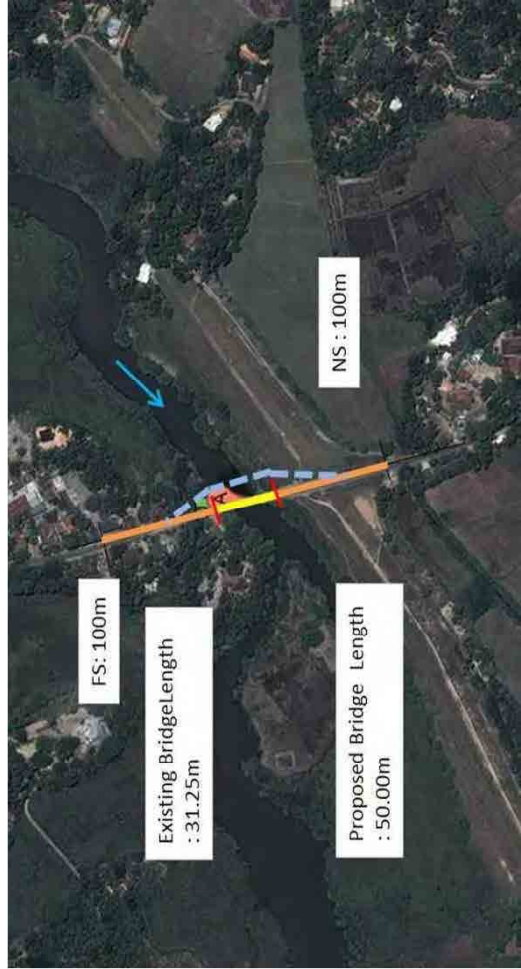
- Superstructure Impossible to investigate girders and deck without a boat. RATE 3
- Substructure Poor A1 abutment body is broken. RATE 3
- Others

[ SURROUNDING AREA ]

< PROPOSAL >

**Reconstruction 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: 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	
	B130	Galle - Wackwella	Southern	Galle	7,718	2					
117	Bridge No.	Bridge Name	Bridge Length (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Super-structure	Sub-structure	Bridge Soundness	Flood Records
	8/7	Part of Gin ganga	24.40	2	RC Slab RC Wall Type	2		Fair	-	Insufficient	none
		Bridge Width (m)	Overall	Curb-to-Curb	Pier	RC Wall Type					
		5.20	6.30	5.20							



< PRESENT CONDITIONS >

[ BRIDGE ]

Curb-to-Curb of 5.2m wide is insufficient for 2-lane traffic of Class B Road.

[ SOUNDNESS ]\*\*

- Superstructure Fair RATE 2

- Substructure RATE 2

- Others

[ SURROUNDING AREA ]

< PROPOSAL >

**Reconstruction on the existing alignment**

Bridge Length: 1@30.0 = 30m  
 Approach Length: NS: 200m FS: 100m  
 Superstructure: Pos I-Girder  
 Substructure: Wall Type Abutment  
 Foundation: Cast-in-place concrete pile 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	AADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition
	B427	Udawalawe - Tanamalwila				Uva	Monaragala	2,800	2			National Park
120	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
	20/4	38.83	Overall Curb-to-Curb	2	Steel Plate Through Truss	Abutment RC Gravity Type	1	1998	Fair	Good	Insufficient	none



< PRESENT CONDITIONS >

[BRIDGE ]

Curb-to-Curb of 4.80m wide is sufficient for the time being taking into consideration the existing traffic volume of Class B Road.

[ SOUNDNESS ]\*\*

- Superstructure  
Fair  
RATE 2

Many bridge members especially floor system have been rusted without proper maintenance works.

- Substructure  
Good  
RATE 1

- Others

[ SURROUNDING AREA ]

Special area for elephant habitat at L-side of approaches and the bridge.

< 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. 138	Road No. B496	Road Name Thanamalwila - Hambegamuwa (Thanamalwila - Bodagama)		Province Uva	District Monaragala	AAADT (No./Day) 3,112	No. of Lanes of Road Proposed by RDA 2		Construction Plan of Road to/ from Bridge		Environmental Condition ok
	Bridge No. 41/1	Bridge Name Well Oya	Bridge Length (m) 36.35	No. of Lane 1	Super-structure Precast Beams with RC	Bridge Type RC Gravity Type	Abutment RC Gravity Type	Pier RC Wall Type	Completion Year	Bridge Soundness Sub-structure Fair	Flood Records Bridge submerged during floods
			Bridge Width (m) Overall 4.60	Curb-to-Curb 4.00						Loading Capacity Insufficient	



< PRESENT CONDITIONS >

[BRIDGE ]

Curb-to-Curb of 4.00m wide is insufficient for 2-lane traffic of Class B Road.

No Bridge Railing exist

[ SOUNDNESS ]\*\*

- Superstructure

Fair

All Concrete Curbs except 3 brocks have been washed away.

- Substructure

Fair

- Others

RATE 2

RATE 2

[ SURROUNDING AREA ]

< PROPOSAL >

**Reconstruction at L-side of the existing bridge**

Bridge Length: 80m

Approach Length: NS: 200m FS: 300m

Superstructure: Precast PC Girder

Substructure: Wall Type Abutment Column 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. 139	Road No. AA002	Road Name Colombo - Galle - Hambantota - Wellawaya (CGHW)		Province Western	District Kaluthara	AAADT (No./Day) 16,917	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 Digarolla	Bridge Length (m) 197.20	No. of Lane 2	Bridge Type Abutment RC Wall 2-Column Type	No. of Span 7	Completion Year 1921	Superstructure Critical	Bridge Soundness Sub-structure Fair Loading Capacity Insufficient	Flood Records none
		Overall 8.04	Bridge Width (m) Curb-to-Curb 5.85	Superstructure Half Through Steel Lattice Truss						



< PRESENT CONDITIONS >

[ BRIDGE ]

Curb-to-Curb of 5.85m wide is insufficient for 2-lane traffic of Class A Road.

[ SOUNDNESS ]\*\*

- Superstructure Critical RATE 4
- Lower Cords and Floor Systems corroded severely. RATE 2
- Substructure Fair
- Others

[ SURROUNDING AREA ]



< PROPOSAL >

**Reconstruction on the existing alignment**

- Bridge Length: 3@66.7 = 200m
- Approach Length: NS: 150m FS: 200m
- Superstructure: Extradosed
- Substructure: Wall Type Abutment Wall Type Pier
- Foundation: Steel sheet-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. 144	Road No. B157	Road Name Horana - Anguruwatota - Aluthgama				Province Western	District Kaluthara	AADT (No./Day) 5,978	No. of Lanes of Road Proposed by RDA 4	Construction Plan of Road to/ from Bridge		Environmental Condition ok
	Bridge No. 8/3	Bridge Length (m) 34.00	Bridge Name	Bridge Width (m) Overall 6.20	No. of Lane 1	Super-structure RC I Girder	Bridge Type Abutment RC Wall Type	No. of Span 3	Comple- tion Year	Bridge Soundness Sub- structure Fair	Loading Capacity Insufficient	Flood Records none



< PRESENT CONDITIONS >

[ BRIDGE ]

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

[ SOUNDNESS ]\*\*

- Superstructure  
Fair  
RATE 2

- Substructure  
Fair  
RATE 2

- Others

[ SURROUNDING AREA ]

< PROPOSAL >

**New bridge (2 lane) is recommended.**  
**The existing bridge to be used for the time being**

Bridge Length: 1@40.0 = 40m  
Approach Length: NS: 200m FS: 200m  
Superstructure: Steel I-Girder  
Substructure: Wall Type Abutment Wall Type Pier  
Foundation: Cast-in-place concrete pile foundation

Resettlement: No

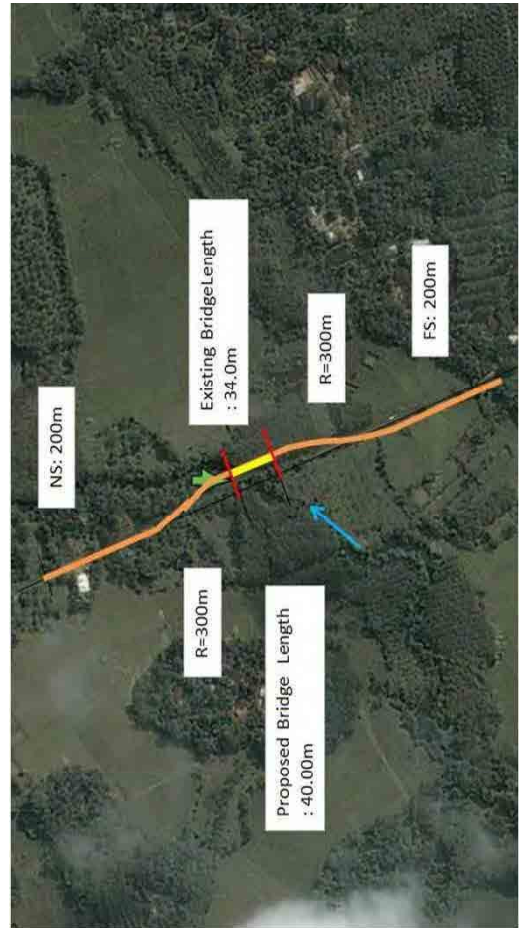
\*\* SOUNDNESS RATE

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. 145	Road No. E388	Road Name Ratmalana - Borupona		Province Western	District Colombo	AAADT (No./Day) 18,300	No. of Lanes of Road Proposed by RDA 2		Construction Plan of Road to/ from Bridge		Environmental Condition ok
	Bridge No. 2/5	Bridge Length (m) 81.00	Bridge Width (m) Overall 9.30 Curb-to-Curb 7.40	No. of Lane 2	Super-structure Steel Through Lattice Truss Abutment RC Wall Type Pier RC Wall Type	No. of Span 2	Completion Year Reconstructed in 1996	Super-structure Poor	Bridge Soundness Sub-structure Fair Loading Capacity Insufficient	Flood Records none	



< PRESENT CONDITIONS >

[BRIDGE ]  
Curb-to-Curb of 7.40m wide is sufficient for 2-lane traffic of Class B Road.

- [ SOUNDNESS ]\*\*  
 - Superstructure RATE 3  
 - Poor  
 - Bending crack has started in concrete girder.  
 - Substructure RATE 2  
 - Fair  
 - 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. 152	Road No. AB010	Road Name Colombo - Hanwella - low level road		Province Western	District Colombo	AADT (No./Day) 20,780	No. of Lanes of Road Proposed by RDA 4		Construction Plan of Road to/ from Bridge		Environmental Condition ok
	Bridge No. 9/1	Bridge Name Ambathale	Bridge Length (m) 33.50	No. of Lane 2	Super-structure RC Slab	Bridge Type RC Pile Bent Type	Completion Year	Super-structure Poor	Sub-structure Fair	Loading Capacity Insufficient	Flood Records none
		Overall 9.80	Bridge Width (m) Curb-to-Curb 6.90			No. of Span 3					



< PRESENT CONDITIONS >

[BRIDGE ]  
 Curb-to-Curb of 6.90m wide is sufficient for 2-lane traffic.  
 Steel I Girders were added for pedestrians at the both sides of the bridge.  
 [ SOUNDNESS ]\*\*  
 - Superstructure Poor RATE 3  
 - 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: 1@40.0 = 40m  
 Approach Length: NS: 250m FS: 300m  
 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	AADT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge		Environmental Condition	
	AB010	Colombo - Hanwella - low level road				Western	Colombo	20,780	4				
153	Bridge No.	Bridge Name	Bridge Length (m)	Overall	No. of Lane	Bridge Type		No. of Span	Comple-tion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records
	15/1	Welehandiya	37.70	9.80	2	Super-structure	Pier						



< PRESENT CONDITIONS >

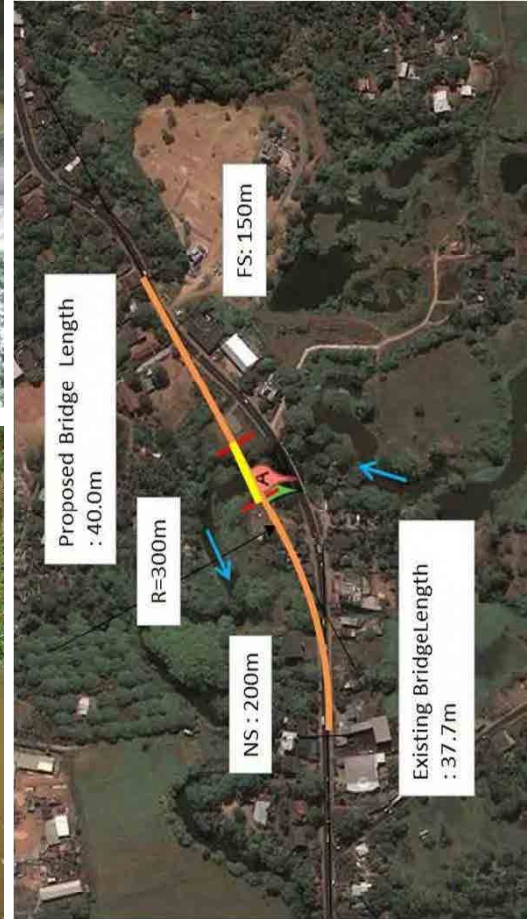
[BRIDGE ]

Curb-to-Curb of 6.90m wide is sufficient for 2-lane traffic of Class AB Road.

[ SOUNDNESS ]\*\*

- Superstructure RATE 3
- Poor
- Re-bars of RC Slab corroded and concrete cover dropped.
- Substructure RATE 3
- Fair
- Alligator cracks on Pier Heads
- Others

[ SURROUNDING AREA ]



< PROPOSAL >

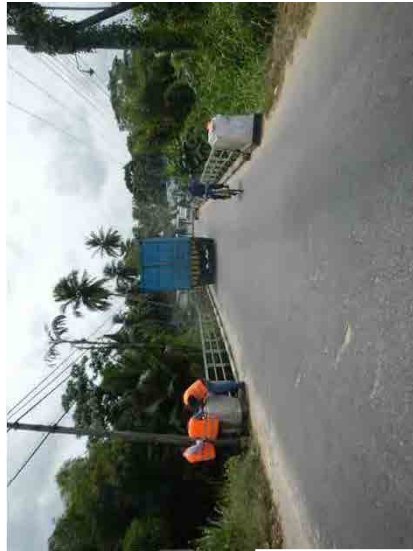
**Additional 2-lane bridge at L-side of the existing bridge**  
**The existing bridge to be used for the time being**

- Bridge Length: 1@40.0 = 40m
- Approach Length: NS: 200m FS: 150m
- 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.	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	
	AB010	Colombo - Hanwella - low level road						Western	Colombo		17,670
154	Bridge No.	Bridge Name	Bridge Length (m)	No. of Lane	Bridge Type		No. of Span	Completion Year	Bridge Soundness		Flood Records
		Colombo - Hanwella - low level road	41.70		1	Super-structure			Abutment	Pier	
	26/4		Overall		RC Slab	RC Pile Bent Type	5		Fair	Insufficient	none
			Bridge Width (m)								
			Curb-to-Curb								
			5.95	5.50							



< PRESENT CONDITIONS >

[BRIDGE ]

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

[ SOUNDNESS ]\*\*

- Superstructure Poor RATE 3
- Substructure Fair RATE 2
- Re-bar of Pile Bent corroded
- 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: 1@45.0 = 45m
- Approach Length: NS: 300m FS: 200m
- Superstructure: Steel I-Girder
- Substructure: Wall Type Abutment Wall Type Pier
- Foundation: Cast-in-place concrete pile 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	AA DT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge	Environmental Condition
156	AB010	Colombo - Hanwella - low level road	Western	Colombo	17,670	4		
	Bridge No.	Bridge Length (m)	No. of Lane	Bridge Type	No. of Span	Completion Year	Bridge Soundness	Flood Records
28/1	42.10	7.50	2	RC Slab	4		Super-structure: Fair	Flood water level was 1.0m above the bridge surface in 1983.
	Bridge Name	Bridge Width (m)		Abutment			Sub-structure: Poor	
		Overall		RC Pile Bent Type			Loading Capacity	
		Curb-to-Curb		RC Pile Bent Type			Insufficient	
		6.75						

< PRESENT CONDITIONS >

[ BRIDGE ]

Curb-to-Curb of 6.75m wide is sufficient for the time being for 2-lane traffic of Class AB Road.

[ SOUNDNESS ]\*\*

- Superstructure: Poor RATE 2
- Substructure: Alligator cracks on bottom of RC Slab RATE 3
- Others: Fair

[ SURROUNDING AREA ]

< PROPOSAL >

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

- Bridge Length: 1@45.0 = 45m
- Approach Length: NS: 250m FS: 550m
- Superstructure: Steel I-Girder
- Substructure: Wall Type Abutment Wall Type Pier
- Foundation: Cast-in-place concrete pile 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	AAĐT (No./Day)	No. of Lanes of Road Proposed by RDA	Construction Plan of Road to/ from Bridge			Environmental Condition
	New	Galpatha - Yatawara - Kethhena - Rubber factory road	Western	Kaluthara	-	2							
157	Bridge No.	Bridge Name	Bridge Length (m)	Bridge Width (m)		Bridge Type		No. of Span	Completion Year	Super-structure	Sub-structure	Loading Capacity	Flood Records
	New		(110)	Overall	Curb-to-Curb	Abutment	Pier						
			(10.4)										

< PRESENT CONDITIONS >

[BRIDGE ]

[ SOUNDNESS ]\*\*

- Superstructure

RATE

- Substructure

RATE

- Others

[ SURROUNDING AREA ]

< PROPOSAL >

**New bridge is not recommended.**

Bridge Length:

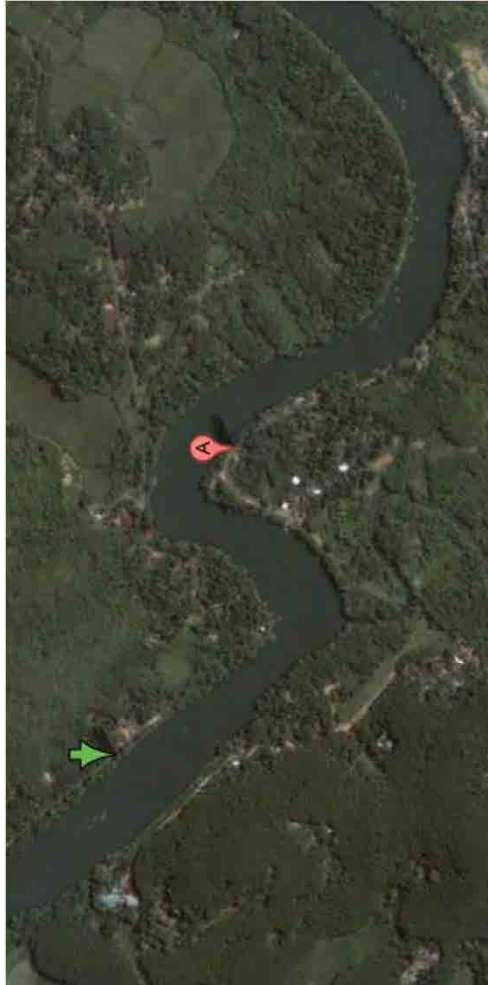
Superstructure:

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	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	Western	Colombo	21,892	4				
159	Bridge No.	Bridge Name	Bridge Length (m)	No. of Lane	Bridge Type		Completion Year	Super-structure	Bridge Soundness	Flood Records
	33/3	Galagedara	57.00	2	Super-structure	Pier				
			Overall		RC Wall Type					
			Curb-to-Curb		RC Wall Type					
			7.40							
			10.40							



< PRESENT CONDITIONS >

[ BRIDGE ]

Curb-to-Curb of 7.40m wide is sufficient for 2-lane traffic of Class A Road.

[ SOUNDNESS ]\*\*

- Superstructure Poor RATE 3
  - Substructure Fair RATE 2
  - Others Fair
- Pile Caps of A2 Abutment was scoured out by floods.

[ SURROUNDING AREA ]

< PROPOSAL >

**Additional 2-lane bridge at R-side of the existing bridge**  
**The existing bridge to be used**

- Bridge Length: 2@40.0 = 80m
- Approach Length: NS: 300m FS: 300m
- 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 Name		Province		District		AADT (No./Day)		No. of Lanes of Road Proposed by RDA		Construction Plan of Road to/ from Bridge		Environmental Condition	
165	Thallady - Arippu - Marichchukaddy South Coast Road		Northern		Mannar		921		2		Road improvement by foreign fund		ok	
Bridge No.	Bridge Name	Bridge Length (m)	No. of Lane	Super-structure	Bridge Type		No. of Span	Comple-tion Year	Super-structure	Bridge Soundness		Flood Records		
23/3		91.00	1	Multiple Pipe Culvert	Abutment	Pier				Sub-structure	Loading Capacity	Insufficient		Flood water level is 0.5m above the causeway.
		Overall	Curb-to-Curb	Bridge Width (m)										
		4.20	4.20	4.20										



< PRESENT CONDITIONS >

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



< PROPOSAL >

**New Bridge on the existing causeway**

Bridge Length: 6@16.67 = 100m  
 Approach Length: NS: 200m FS: 200m  
 Superstructure: Precast PC 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.	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	921	2	Road improvement by foreign fund		ok
166	Bridge No.	Bridge Length (m)	Bridge Width (m)		No. of Lane	Bridge Type		No. of Span	Comple-tion Year	Bridge Soundness		Flood Records
	21/1	Arippu Causeway	70.00	Overall		Curb-to-Curb	4.20			4.20	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 at R-side of the existing causeway**

Bridge Length: 4@15.0 =60m  
 Approach Length: NS: 200m FS: 150m  
 Superstructure: Precast PC Girder  
 Substructure: Wall Type Abutment Wall Type Pier  
 Foundation: Cast-in-place concrete pile 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.