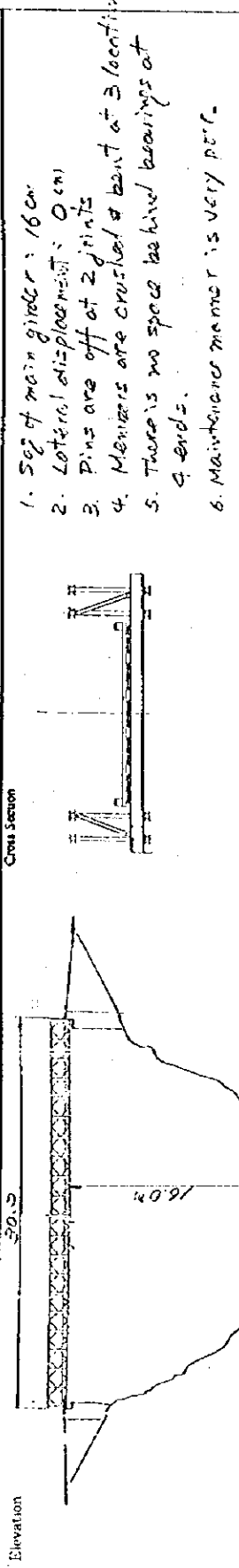


Bridge Inventory

SER No. 6 155.6 Km

NAME OF BRIDGE Wondisarj		CLASS OF ROAD N.H. 4		CROSSING: NAME OF RIVER OR ROAD Wandari, Panchkoti		COMPLETED 1989		MAINTENANCE BY Wondisarj	
Design Information		No		Date of Preparation 15/9/99		Prepared by Wondisarj		Load Intention No	
Type of Bridge		Superstructure RC. / DS		Design Loading DKL Timber		BS		No. of Joints 151	
Substructure		Abutment MASON		Pier		Skew		deg. Abt.	
Length of Bridge		30.5		m Span		30.3		m	
Width of Bridge		9.96		m Carriageway		2.35		m	
Allied Ancies		Overall		Pedestrianway		m		Design Quantity	
Traffic Volume		(Year)		Ratio of Heavy Vehicle		%		m	
Final Record of Repair		Pavement		Deck Slab		Painting		m	
Others		Main Beam		Others		Repair etc.		m	



Result of Visual Inspection	Date of Inspection	
Pavement	1	Abutment
Curb	1	Pier
Railing	4	Wing Wall
Deck Slab	4	River Bank
Main Beam	4	Approaches
Others	—	Others
Superstructure	4.0	Bridge Accessory
Overall Rating	4.0	Substructure
		1.0

Comments



1. Pins are off.
2. Maintenance is not good.
3. It is suggested to make good as soon as possible.

Remarks:

1. No damage detected on the basis of the inspection results.
2. Damage has been detected and a follow-up survey is required.
3. There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
4. There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight have to be imposed.

Bridge Inspection Form

SER. No. 6

NAME OF BRIDGE: <u>Handcar</u>		CLASS OF ROAD: <u>CLASS OF ROAD</u>		CROSSING NAME OF RIVER OR ROAD		DATE OF INSPECTION		MAINTENANCE BY	
Component		Condition of Damage		COMPLETED		Rating		Sketch and Comments on major damage	
Bridge Surface	Parapet	Type <u>Timber + Asphalt</u>	Condition <u>Good</u>						
	Curb	Good, Waving, Kinking, Crack, Per hole, Others	Condition <u>Good</u>						
	Rolling	Good, Sealing, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition <u>Good</u>						
	Deck Slab	Good, Sealing, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition <u>Good</u>						
Superstructure	Main Beam	Type <u>Pailey</u>	Condition <u>Good</u>						
	Main Structure	Good, Rust, Corrosion, Bulging, Extensive deformation, Rivet off, Others	Condition <u>Good</u>						
	Diaphragm	Good, Rust, Corrosion, Bulging, Extensive deformation, Rivet off, Others	Condition <u>Good</u>						
	Sway Bracing	Good, Rust, Corrosion, Bulging, Extensive deformation, Rivet off, Others	Condition <u>Good</u>						
Accessory	Painting	Condition <u>Good</u>							
	Expansion Joint	Type <u>Good</u>	Condition <u>Good</u>						
	Bearing	Unserviceable, Exposed, Good, Abnormal sound, Clogged, Deformation, Gap, Others	Condition <u>Good</u>						
	Drainage	Unserviceable, Exposed, Good, Broken, Anchor bolt, Abnormal displacement	Condition <u>Good</u>						
Substructure	Abutment A1	Condition <u>Good</u>							
	Abutment A2	Condition <u>Good</u>							
	Pier	Condition <u>Good</u>							
	Foundation	Condition <u>Good</u>							
Other	Wing Wall	Condition <u>Good</u>							
	Umbilment	Condition <u>Good</u>							
	Fixed Abutle	Condition <u>Good</u>							
	Traffic Sign	Condition <u>Good</u>							

1 pin is off.

Common on rehabilitation method

- Components of photographs taken
- 0. Bleck Board (Name of Bridge)
 - 5. Main Beam
 - 10. Abutment
 - 15. Main Damage
 - 20
 - 1. Pier
 - 6. Sway Bracing
 - 11. Abutment
 - 16. Main Damage
 - 21
 - 2. Road Surface
 - 7. Drainage
 - 12. Pier
 - 17. Main Damage
 - 22
 - 3. Expansion Joint
 - 8. Bearing
 - 13. Pier
 - 18
 - 23
 - 4. Deck Slab (Underface)
 - 9. Elevation
 - 14. Pier
 - 19
 - 24

Note: Further inspection shall be carried out on the "major damage" detected in this inspection.

1. No damage detected on the basis of the inspection results.
2. Damage has been detected and a follow-up survey is required.
3. There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
4. There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight to be imposed.

Photographs

NAME OF BRIDGE *Wagon bridge*

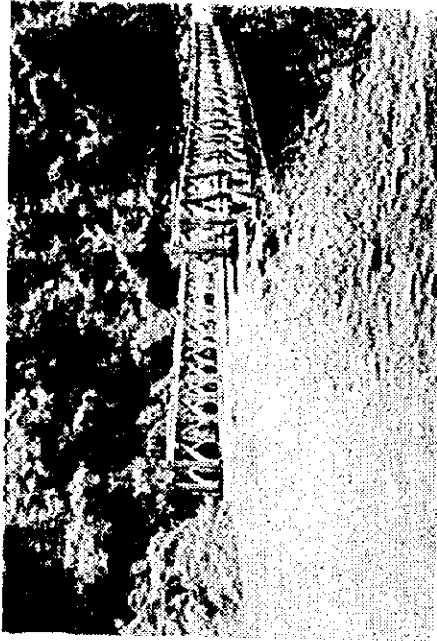
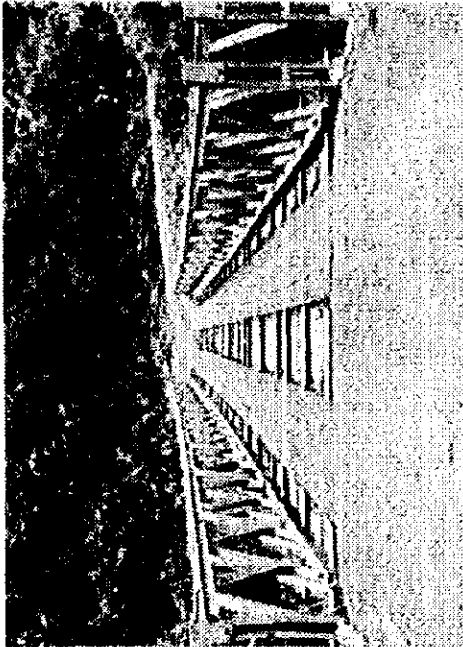
SER No. *6*

Date of Inspection

Front

Photo Album No. *(5)*

Photo Album No.



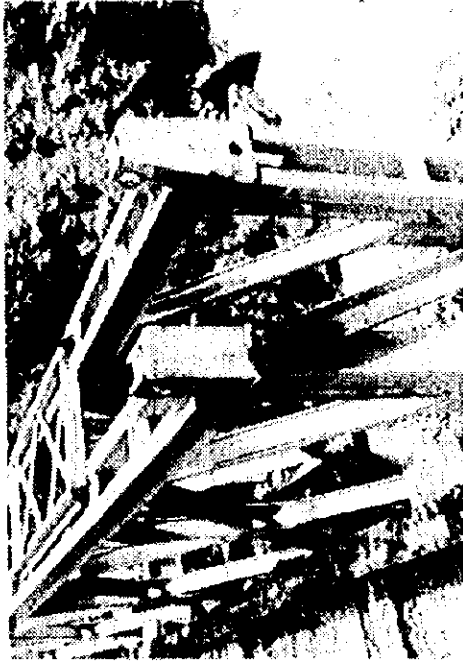
Elevation

Photo Album No.

*Post maintenance
on bearings.*



Rusty pins



Photographs

NAME OF BRIDGE *Wargal Dam*

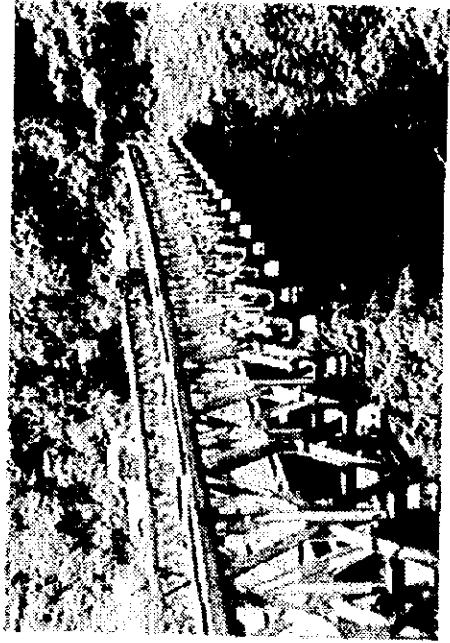
SER. No. *6*

Date of Inspection

Front

Photo Album No. *(6)*

Photo Album No.



Elevation

Photo Album No.

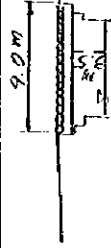


Bridge Inventory

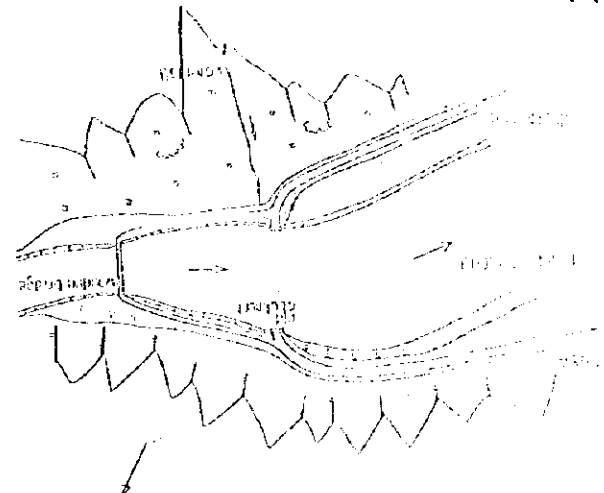
SER. No. 7 169 km

NAME OF BRIDGE <i>Panjur Mohi</i>	CLASS OF ROAD <i>N.H. 4</i>	CROSSING NAME OR SURNAME OF ROAD <i>Kartiyaanpohal</i>	MAINTENANCE BY
Design Information Yes	No	Manufacture <i>6</i>	Completed <i>1995</i>
Type of Bridge Superstructure <i>Steel Girder</i>	Abutment	Design Loading <i>Deck Load Timber</i>	Date of Preparation <i>15/9/97 & 4/10/97</i>
Substructure	Pier	Design Standard	Prepared by <i>M. S. Bhatnagar</i>
Length of Bridge	9.0	Skew of Bridge	Load Limitation No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> t
Width of Bridge	4.0	Condition of Crossing	IS
Aligned Abutles	Overall	Skew	IS: 800
Traffic Volume	Ratio of Heavy Vehicle %	Width	Clearance
Final Record of Repair	Deck Slab	Width of River	Free Board
Others	Main Beam	Depth	Design Quality
	Painting	Repair etc.	m/sec

Elevation



Plan



Cross Section
4.0 m

Timber
I 300 x 100 x 5 nos.
Timber

1. In 1995 Bailey SS (27.0m) was destroyed by falling trees with flood.

Result of Visual Inspection	Date of Inspection
Pavement	Abutment
Curb	Pier
Railing	Wing Wall
Deck Slab	River Bank
Main Beam	Approaches
Others	Others
Superstructure	Substructure
Overall Rating	Comment

1. No damage detected on the basis of the inspection results.
 2. Damage has been detected and a follow-up survey is required.
 3. There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
 4. There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight have to be imposed.

Former Bailey bridge was damaged by flood and falling trees. Existing steel girder with log deck is a temporary one. No rating will be made!

All comments

Bridge Inspection Form

NAME OF BRIDGE: Paradise CLASS OF ROAD: CLASS OF ROAD SER. No. 7 DATE OF INSPECTION: _____ MAINTENANCE BY: _____

Component	Condition of Damage	Rating	Search and Comments on major damage
Bridge Surface	Pavement Type: Good, Waving, Rutting, Crack, Pot hole, Others Condition		
	Curb Type: Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces Condition		
	Kulung Type: Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces Condition		
	Deck Slab Type: Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces Condition		
Superstructure	Main Beam Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Main Structure Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Diaphragm Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Sway Bracing Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
Accessory	Painting Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Expansion Joint Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Bearing Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Drainage Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
Abutment	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
Pier	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
Foundation	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
Wing Wall	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
Embankment	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
Others	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		
	Type: Good, Rust, Corrosion, Buckling, Excessive deformation, Rivet off, Others Condition		

Component of photograph taken	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Black Board (Name of Bridge)																						
Front																						
Road Surface																						
Expansion Joint																						
Deck Slab (Underface)																						

Note: Further inspection shall be carried out on the "major damage" detected in this inspection.

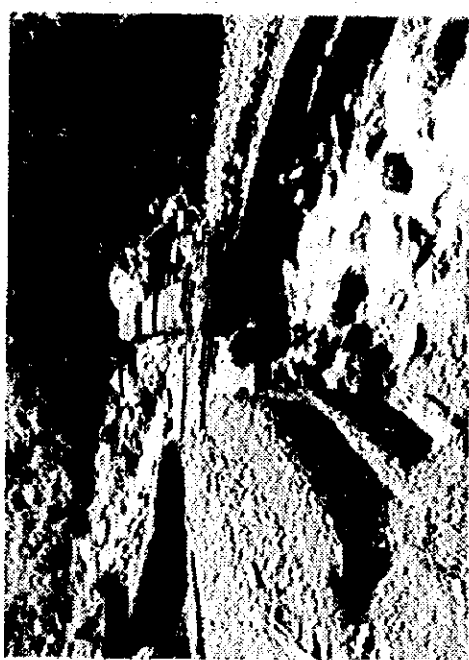
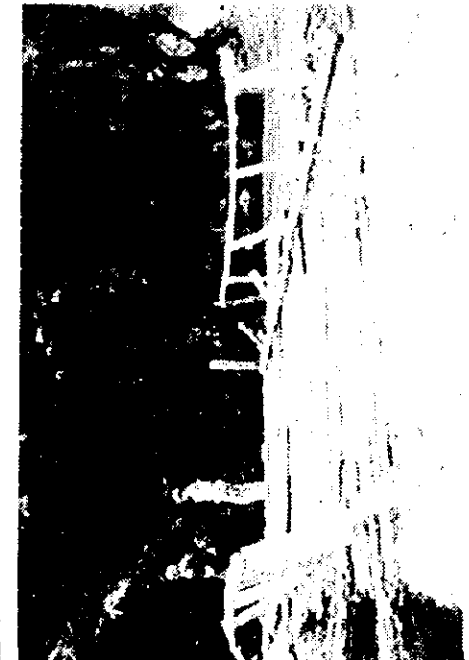
Photographs

NAME OF BRIDGE *Poujermani* SER No. *7* Date of inspection

Front

Photo Album No. *(5)*

Photo Album No. _____



Elevation

Photo Album No. _____

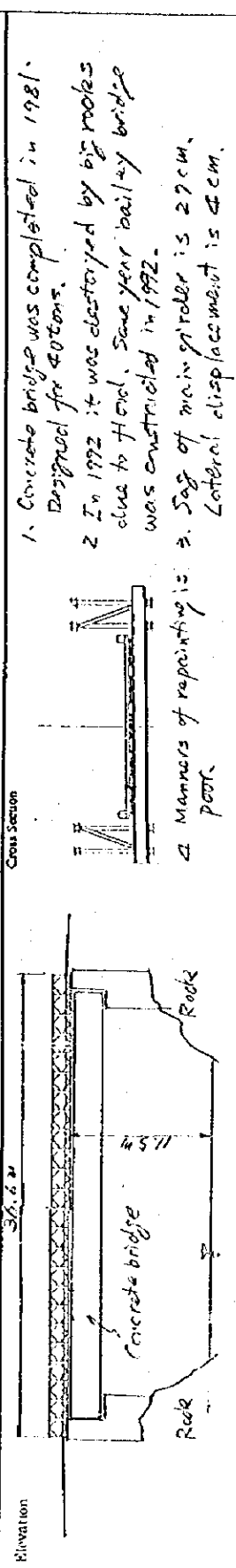


5a1

Bridge Inventory

SER. No. 8 2245 km

NAME OF BRIDGE Ishikawachi		CLASS OF ROAD NH 4		CROSSING: NAME OF RIVER OR ROAD Ishikawachi		COMPLETED 1992		MAINTENANCE BY	
Design Information Yes		No		Manufacture		Date of Preparation 15/9/97		Prepared by WIKRANA	
Type of Bridge Superstructure Substructure		Bailey DS		Design Loading Design Standard		US		Load Limitation No	
Abutment Pier		Masonry		Skew of Bridge		Skew		U.P. No.	
Length of Bridge Overall		36.6		m Span		36.4		m	
Width of Bridge		4.95		m Carriageway		3.36		m	
Alixed Articles		None		m		m		m	
Traffic Volume		(year)		Ratio of Heavy Vehicle %		Planning		Design Quantity	
Final Record of Repair		Pavement		Deck Slab		Others		Repair etc.	
Others		Expansion Joint		Substructure		Drainage		Railing	
Curb		Railing		Drainage		Railing		Curb	
Allied Articles		Expansion Joint		Substructure		Drainage		Railing	



Result of Visual Inspection	Date of Inspection	Result of Inspection	Comment
Pavement	1	Bearing	1
Curb	1	Expansion Joint	1
Railing	2	Drainage	1
Deck Slab	3	Allied Articles	1
Main Beam	3	Approach	1
Others	—	Others	—
Substructure	3.0	Bridge Accessory	2.4
Overall Rating	3.0	Substructure	1

Comment

1. Big rocks damaged concrete on bridge.
2. Bailey doesn't touch to concrete bridge.
3. Bailey is not straight laterally.
4. Bearing is to be cleaned. At present there is space behind bearings.

1. No damage detected on the basis of the inspection results.
 2. Damage has been detected and a follow-up survey is required.
 3. There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
 4. There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight have to be imposed.


1. Concrete bridge was completed in 1981. Designed for 40 tons.

2. In 1992 it was distorted by big rocks close to Head. Same year railway bridge was constructed in 1992.

3. Sag of main girder is 27 cm. Lateral displacement is 4 cm.

Bridge Inspection Form

SEA No. 8

NAME OF BRIDGE		CROSSING NAME OF RIVER OR ROAD		DATE OF INSPECTION		MAINTENANCE BY	
55100001		ALPHA 1		10/11/11		[Blank]	
CAUSE OF ROAD		CONDITION OF DAMAGE		COMPLETED		Rating	
[Blank]		[Blank]		[Blank]		[Blank]	
Component	Pavement	Type: <u>Triple Asphalt</u>	Condition: <u>Good</u>	 <p><i>Staining has no space to move. Vegetation.</i></p>			
	Curb	Type: <u>Concrete</u>	Condition: <u>Good</u>				
	Realing	Type: <u>Rebar</u>	Condition: <u>Fair</u>				
	Deck Slab	Type: <u>Concrete</u>	Condition: <u>1. Minor</u> <u>2. Intermediate</u> <u>3. Major</u>				
Superstructure	Main Beam	Type: <u>Rebar</u>	Condition: <u>Fair</u>	<p><i>Comments on rehabilitation measure</i></p>			
	Main Structure	Good, Rust, Corrosion, Bulging, Excessive deformation, Rivet off, Others	Condition: <u>4</u>				
	Diaphragm	Good, Rust, Corrosion, Bulging, Excessive deformation, Rivet off, Others	Condition: <u>4</u>				
	Sway Bracing	Good, Rust, Corrosion, Bulging, Excessive deformation, Rivet off, Others	Condition: <u>4</u>				
Accessory	Painting	Condition: <u>Paint</u>	Condition: <u>4</u>	<p><i>Comments on rehabilitation measure</i></p>			
	Expansion Joint	Type: <u>None</u>	Condition: <u>4</u>				
	Bearing	Invariable, Exposed, Good, Abnormal sound, Clogged, Deformation, Gap, Others	Condition: <u>Sliding, Function of rotation</u>				
	Drainage	Invariable, Exposed, Good, Broken, Anchor bolt, Abnormal displacement	Condition: <u>Blocked</u>				
Substructure	Abutment	Choked, Broken, Water leakage, Support broken, Pipe broken, Others	Condition: <u>Leaning, Settlement, Sliding</u>	<p><i>Comments on rehabilitation measure</i></p>			
	Abutment	Type: <u>Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others</u>	Condition: <u>Leaning, Settlement, Sliding</u>				
	Pier	Type: <u>Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others</u>	Condition: <u>Leaning, Settlement, Sliding</u>				
	Pier	Type: <u>Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others</u>	Condition: <u>Leaning, Settlement, Sliding</u>				
Others	Foundation	Settlement, Leaning, Mooring, Gwells, Scouring, Others	Condition: <u>4</u>	<p><i>Comments on rehabilitation measure</i></p>			
	Wing Wall	Type: <u>Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces</u>	Condition: <u>Good</u>				
	Embankment	River Bank	Side Bank				
	Back Filling	Others					

- No damage detected on the basis of the inspection results.
- Damage has been detected and a follow-up survey is required.
- There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
- There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicles weight to be imposed.

Note: Further inspection shall be carried out on the "major damage" detected in this inspection.

Components of photographs taken	
0. Back Board (Name of Bridge)	5. Main Beam
1. Pier	6. Sway Bracing
2. Road Surface	7. Drainage
3. Expansion Joint	8. Bearing
4. Deck Slab (Underfaces)	9. Elevation
10. Abutment	11. Abutment
12. Pier	13. Pier
14. Pier	15. Main Damage
16. Main Damage	17. Main Damage
18	19
20	21
22	23
24	

Photographs

NAME OF BRIDGE Zshogonchi ISER No. 8 Date of inspection

Front

Photo Album No. (57)



Photo Album No.

No space behind bearing.



Elevation

Photo Album No.



Bridge Inventory

Wangdi phodrang ~ Geylong phing

N.H. RL. 5 2.5 km

NAME OF BRIDGE Hozhokanaka	CLASS OF ROAD N.H. 5	CROSSING NAME OF RIVER OR ROAD Hozhokanaka	COMPLETED 1985	MAINTENANCE BY
Design Information 0 Yrs	No	Manufacturer	Date of Preparation 16/9/97 E 2/10/97	Prepared by [Signature]
Type of Bridge	Superstructure Bailey 55	Abutment Masonry	Design Loading	Load Limitation 18t
	Substructure	Deck Timber	Design Standard IS	U.P.R. No.
Length of Bridge	9.2 m	Span	Skew	U.P.R. No.
Width of Bridge	4.06 m	Camargeway 3.34 m	Condition of Crossing Road	Free Board
Attached Ancillaries		Ratio of Heavy Vehicle (year)	Expansion Joint Beating	Design Quantity
Traffic Volume		Man Beam	Drainage	m
Final Record of Repair		Painting	Substructure	m
			Others	m/sec
Elevation				
Plan				
Surrounding Condition	<p>1. NO 50g. No lateral displacement. 2. There is no defects at all. 3. There is a holes on pavement.</p>			

Result of Visual Inspection	Date of Inspection	
Pavement	2	7
Curb	1	1
Railing	1	1
Deck Slab	1	1
Main Beam	1	1
Substructure	1.3	0.8
Overall Rating	1.3	
Rating	Grnd. Rating 3.	

- No damage detected on the basis of the inspection results.
- Damage has been detected and a follow-up survey is required.
- There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
- There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight have to be imposed.

Bridge Inspection Form

NAME OF BRIDGE: Leitchburg-Kiss COUNTY: WASHINGTON ROAD: W-1

NO DEFECTS

SER. NO. 9

DATE OF INSPECTION: 1985

MAINTENANCE BY:

Component	Condition of Damage	Comments on major damage	15. Main Beam	16. Main Damage
Pavement	Type: (Crack, Waving, Rutting, Crack, Potholes, Others) Condition			
Curb	Type: (Good, Sealing, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surface) Condition			
Railing	Type: (Good, Sealing, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surface) Condition			
Deck Slab	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Main Beam	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Main Structure	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Diaphragm	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Sway Bracing	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Lateral Bracing	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Parapet	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Expansion Joint	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Beaming	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Drainage	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Abutment	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Pier	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Foundation	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Wing Wall	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Embankment	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Altered Grade	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Traffic Sign	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Approaches	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			
Other	Type: (Good, Rust, Corrosion, Buckling, Excessive deformation, River off, Others) Condition			

Comments on rehabilitation method

Components of photographs taken

0 Black Board (Name of Bridge)	5 Main Beam	10 Abutment	15 Main Damage	20
1 Front	6 Sway Bracing	11 Abutment	16 Main Damage	21
2 Road Surface	7 Drainage	12 Pier	17 Main Damage	22
3 Expansion Joint	8 Beaming	13 Pier	18	23
4 Deck Slab (Underfoot)	9 Elevation	14 Pier	19	24

Note: Further inspection shall be carried out on the "major damage" detected in this inspection.

- No damage detected on the basis of the inspection results.
- Damage has been detected and a follow-up survey is required.
- There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
- There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight to be imposed.

Photographs

NAME OF BRIDGE *Hesothongka*

SER No. *9*

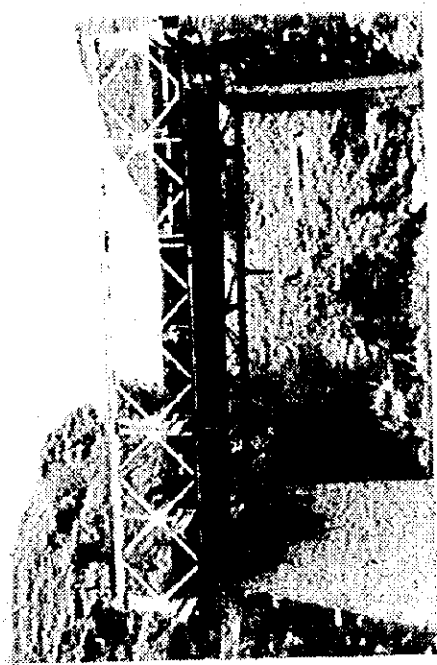
Date of Inspection

Front

Photo Album No.

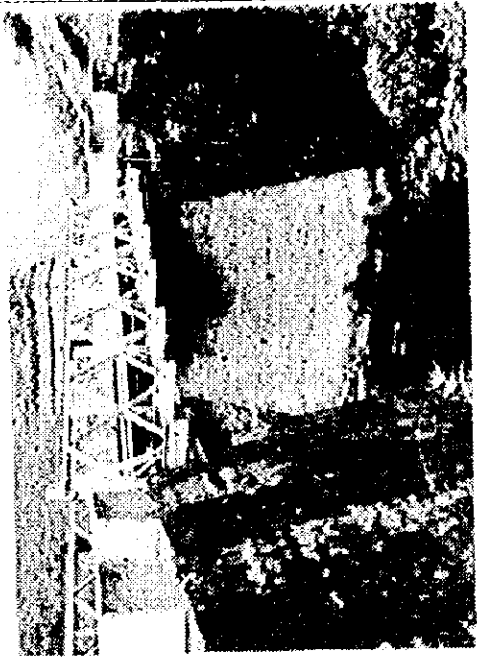


Photo Album No.



Elevation

Photo Album No.

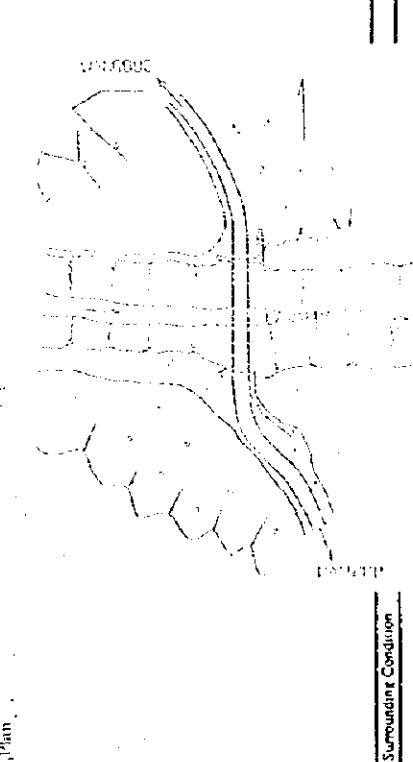
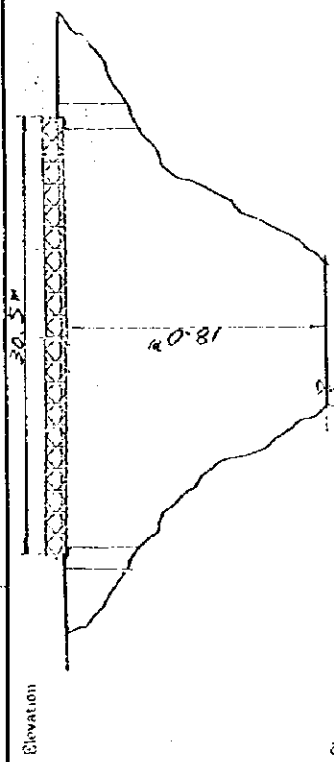
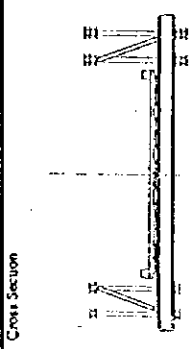


Bridge Inventory

SER. NO. 10 N.H Rt 5 8.9 km

NAME OF BRIDGE <i>Lo warka</i>	CLASS OF ROAD <i>N.H. 5</i>	CROSSING NAME OF RIVER/ROAD <i>Lawa kachem</i>	COMPLETED <i>1988</i>	MAINTENANCE BY	
Design Information	Yes	NO	Date of Preparation <i>16/10/97</i>	Prepared by <i>U. S. Shukla</i>	Load Limitation <i>18T</i>
Type of bridge	Superstructure <i>Brick DSR</i>	Abutment <i>Masonry</i>	Design Loading <i>24T</i>	US	Design Quantity
Length of bridge	Span <i>30.5</i>	Pier	Stew	Clearance <i>m</i>	Design
Width of bridge	Overall <i>4.99</i>	Carriageway <i>3.37</i>	Condition of Crossing <i>River</i>	Width of River <i>m</i>	Free Board <i>m</i>
Aliased Articles	Ratio of Heavy Vehicle <i>%</i>	Painting	Repair etc.	Others	Aliased Articles
Traffic Volume	Pavement	Deck Slab	Expansion Joint	Drainage	Curb
Final Record of Repair	Others	Substructure	Substructure		

1. Sag of main girder is 7cm.
2. Lateral displacement is 0cm.
3. Deck slab is deteriorated. To be replaced.



Result of Visual Inspection	Date of Inspection	
Pavement	2	Abutment
Curb	1	Pier
Railing	1	Wing Wall
Deck Slab	3	River Bank
Main Beam	3	Approaches
Others	—	Others
Substructure	3	Substructure
Overall Rating	3.3	Bridge Accessory
Rating	3.3	Substructure
		1.0

Comment
 1. Steel is very rusty. Corroset
 maintenance suggested.
 2. Bearing is to be cleaned.

1. No damage detected on the basis of the inspection results.
2. Damage has been detected and a follow-up survey is required.
3. There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
4. There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight have to be imposed.

Surrounding Condition

Bridge Inspection Form

SER. No. 10

NAME OF BRIDGE: LAWAKHA ROSSOVER ROAD CROSSING NARAYAN RIVER OR ROAD DATE OF INSPECTION: _____ MAINTENANCE BY: _____

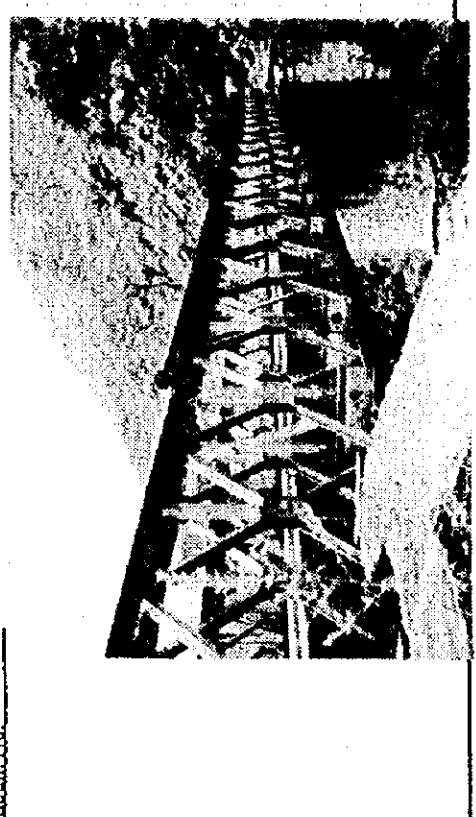


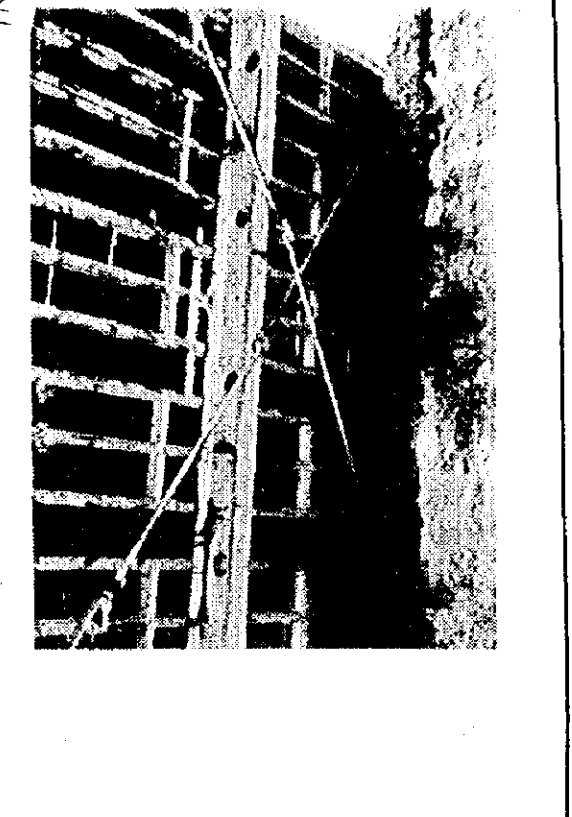
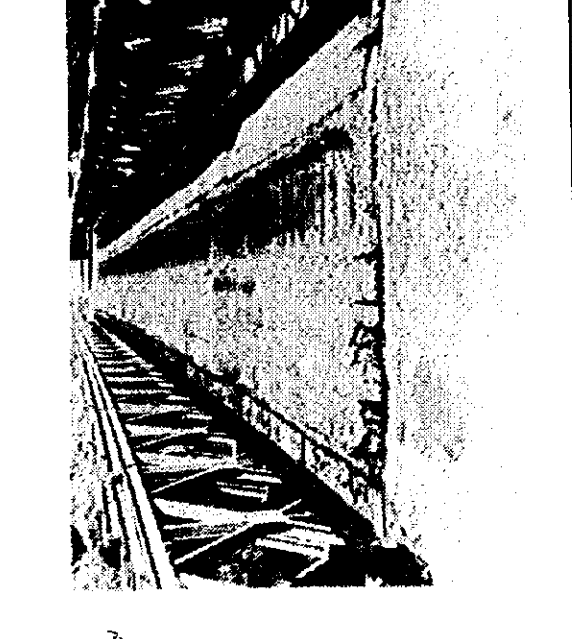
Component	Condition of Damage	Rating	Sketch and Comments on major damage
Bridge Surface	Parapet Type: <u>Timber with Asphalt</u> (Crack, Waving, Railing, Crack, No Hole, Others)	Condition: <u>Very poor</u>	To be replaced.
	Curb Type: <u>Timber</u>	Condition: <u>Good</u>	
	Railing Type: <u>Barley</u>	Condition: <u>FAIR</u>	
	Deck Slab Type: <u>Timber on stringers</u> Condition: <u>Timber to replace</u>	Wear of surfaces: 1. Minor 2. Intermediate 3. Major	
Superstructure	Main Beam Type: <u>Barley</u>	Condition: <u>FAIR</u>	
	Main Structure Type: <u>FAIR</u>	Condition: <u>FAIR</u>	
	Diaphragm Type: <u>FAIR</u>	Condition: <u>FAIR</u>	
	Sway Bracing Type: <u>FAIR</u>	Condition: <u>FAIR</u>	
Accessories	Lateral Bracing Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Painting Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Expansion Joint Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Bearing Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
Substructure	Abutment A Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Abutment A-2 Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Pier Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Pier Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Foundation Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Wing Wall Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Embankment Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Artificial Abutment Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Traffic Sign Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
	Approaches Type: <u>Very poor</u>	Condition: <u>Very poor</u>	
Rating	0 Black Board (Name of Bridge)	5 Main Beam	10 Abutment
	1 Front	6 Sway Bracing	11 Abutment
	2 Road Surface	7 Drainage	12 Pier
	3 Expansion Joint	8 Bearing	13 Pier
	4 Deck Slab (Underface)	9 Elevation	14 Pier
	5 Main Beam	15 Main Damage	20
	6 Sway Bracing	16 Main Damage	21
	7 Drainage	17 Main Damage	22
	8 Bearing	18	23
	9 Elevation	19	24

Comments on rehabilitation method: _____

Components of photographs taken: _____

Note: Further inspection shall be carried out on the "major damage" detected in this inspection.

Photographs

NAME OF BRIDGE	SER. No.	Date of Inspection
<i>Lawakka</i>	<i>10</i>	
Photo Album No. _____ 	Photo Album No. _____ 	
Elevation		
Photo Album No.		
		<i>7/11/1943</i>
		<i>Deteriorated deck slab and pavement.</i>

Photographs

NAME OF BRIDGE *Lawaika*

ISER No. *10*

Date of Inspection

Photo Album No.

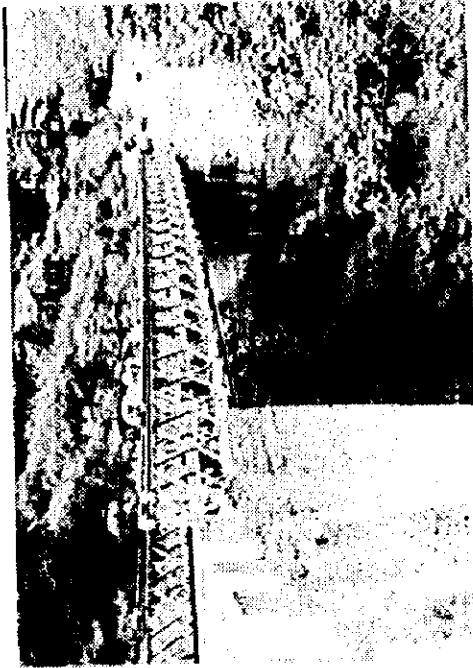
Photo Album No.



Steel is very rusty.

Elevation

Photo Album No.

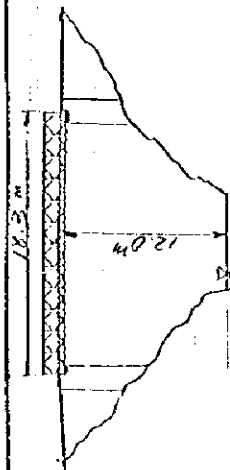
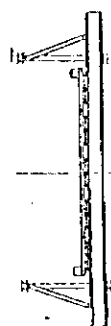


Bridge Inventory

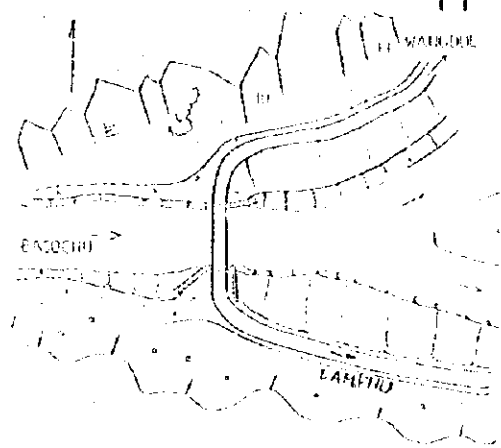
SER. No. 11 N.H.R.T. 5 13.8 km

NAME OF BRIDGE Bosochi	CLASS OF ROAD N.H.S	CROSSING NAME OVER/UNDER ROAD Bosochi	MAINTENANCE BY
Design Information	No.	Date of Preparation 16/10/97	Prepared by [Signature]
Type of Bridge	Superstructure Barley SSR	Design Loading 18t	Load Limitation 15t
Substructure	Abutment Masonry	Skew	deg. R=
Pier		Width of River	m
Length of Bridge	18.2	Clearance	m
Width of Bridge	4.06	Depth	m
Aligned Ancles	5.34	Free Board	m
Traffic Volume	Ratio of Heavy Vehicle %	Design Quantity	m ³ /sec
Final Record of Repair	Deck Slab	Repair etc.	
Others	Main Beam	Expansion Joint	Sealing
	Paving	Drainage	Railing
	Substructure		Curb
			Aligned Ancles

1. SS with reinforced only at top.
2. Sag of main girder is 2cm.
3. No lateral displacement.



Result of Visual Inspection	Date of Inspection
Pavement	2
Curb	1
Railing	1
Deck Slab	1
Main Beam	1
Others	—
Superstructure	1.3
Overall Rating	1.3



Comment
1. Steel is always wet because of waterfall splash.
2. Maintenance required.
3. Repair has enough clearance to move.

1. No damage detected on the basis of the inspection results.
2. Damage has been detected and a follow-up survey is required.
3. There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
4. There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight have to be imposed.

Surrounding Condition

Good. No deficiencies

Bridge Inspection Form

NAME OF BRIDGE: Boychals CLASS OF ROAD: State SUR. NO.: 11

DATE OF INSPECTION: _____

MAINTENANCE BY: _____

Component		Condition of Damage		COMPLETED	Rating	Sketch and Comments on major damage
Type	Condition	1. Junction	2. Abutment	3. Pier		
Structure	Abutment	Good, Wearing, Rusting, Check, Pit hole, Other	Condition	Condition		
Structure	Curb	Good, Sealing, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition	Condition		
Structure	Railing	Good, Sealing, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition	Condition		
Structure	Deck Slab	Good	1. Junction 2. Abutment 3. Pier	Condition		
Structure	Main Beam	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture of Others	Condition	Condition		
Structure	Main Structure	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture of Others	Condition	Condition		
Structure	Diaphragm	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture of Others	Condition	Condition		
Structure	Sway Bracing, Lateral Bracing	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture of Others	Condition	Condition		
Structure	Parapet	Condition	Condition	Condition		
Structure	Expansion Joint	Condition	Condition	Condition		
Structure	Bearing	Invisible, Exposed, Good, Abnormal sound, Cracked, Deformation, Gap, Others	Condition	Condition		
Structure	Drainage	Invisible, Exposed, Good, Broken, Anchor bolt, Abnormal displacement	Condition	Condition		
Structure	Abutment	Clogged, Broken, Water leakage, Support broken, Pipe broken, Others	Condition	Condition		
Structure	Abutment	Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others	Condition	Condition		
Structure	Pier	Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others	Condition	Condition		
Structure	Pier	Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others	Condition	Condition		
Structure	Foundation	Settlement, Leaning, Mooring, Check, Severe, Others	Condition	Condition		
Structure	Wing Wall	Good, Sealing, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition	Condition		
Structure	Embankment	Back Filling	Condition	Condition		
Other	Affected Area					
Other	Traffic Sign					
Other	Approaches					
Other	Others					

Comments on rehabilitation method

Components of photographs taken	
0. Deck Board (Name of Bridge)	5. Main Beam
1. Piers	6. Sway Bracing
2. Road Surface	7. Drainage
3. Expansion Joint	8. Bearing
4. Deck Slab (Underface)	9. Elevation
	10. Abutment
	11. Abutment
	12. Pier
	13. Pier
	14. Pier
	15. Main Damage
	16. Main Damage
	17. Main Damage
	18
	19

Note: Further inspection shall be carried out on the "major damage" detected in this inspection.

- No damage detected on the basis of the inspection results.
- Damage has been detected and a follow-up survey is required.
- There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
- There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight to be imposed.

Photographs

NAME OF BRIDGE Boschitz

SER No. 11

Date of Inspection

Front

Photo Album No. _____

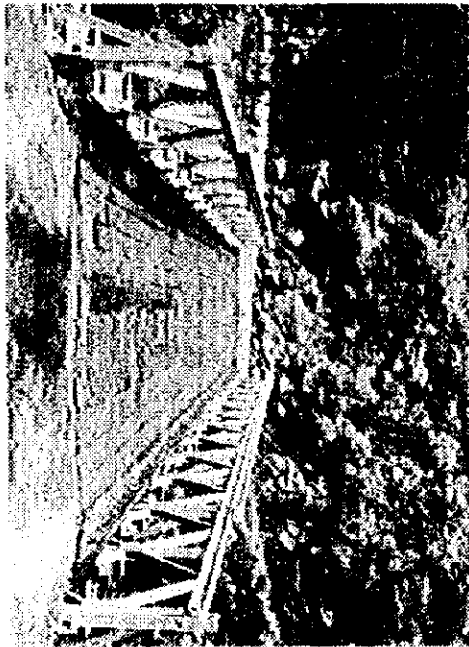
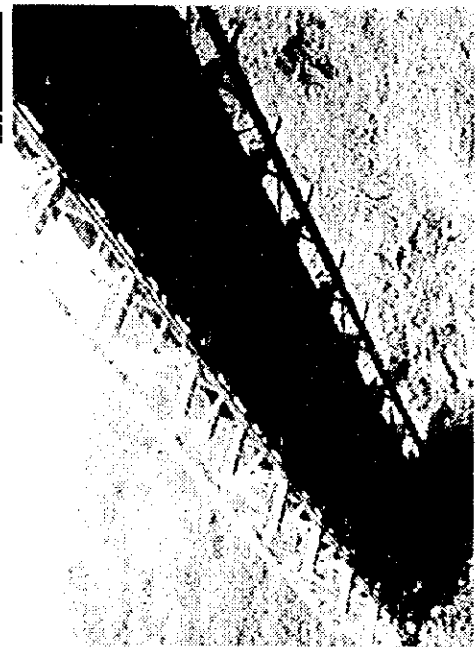


Photo Album No. _____

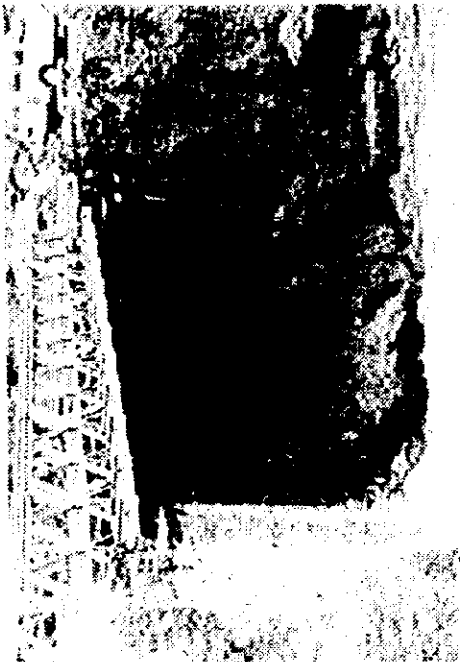

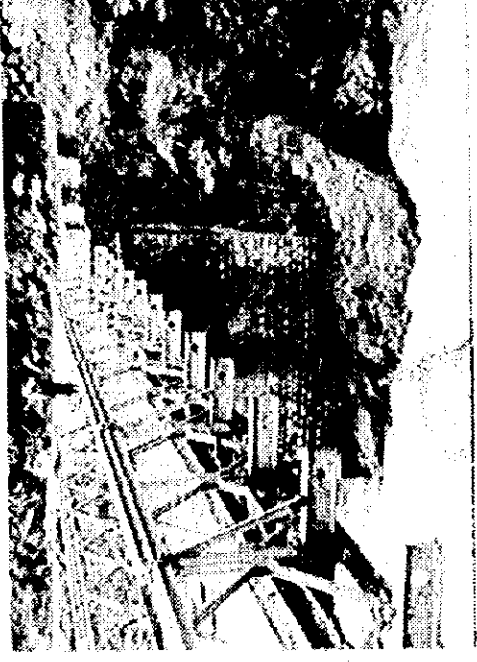



Elevation

Photo Album No. _____



Photographs

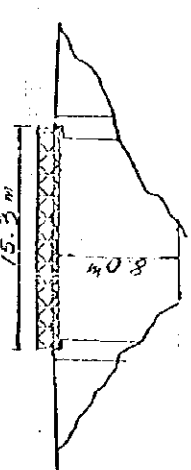
NAME OF BRIDGE	SER. No. 11	Date of Inspection
Front	Photo Album No.	Photo Album No.
Abutment A 2		
Elevation	Photo Album No.	Photo Album No.
Ditto A1		

Bridge Inventory

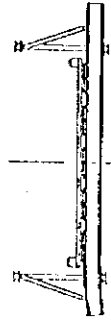
SER No. 12 N. H. Rt. 5. 16.5 km

NAME OF BRIDGE Rurichu	CLASS OF ROAD N.H. Rt. 5	CROSSING NAME OF RIVER OR ROAD Rurichu	COMPLETED 1987	MAINTENANCE BY
Design Information Yes	No	Manufacture	Date of Preparation 16/9/97	Prepared by S. S. S. S.
Type of Bridge Superstructure Substructure	Bayley SS Abutment Pier	Deck Timber Masonry	Load Limitation 18.0	Yes
Length of Bridge Width of Bridge	15.3 m 4.06 m	Span 15.1 m	Skew deg. K=	deg.
Allied Ancies	Overall 4.06 m	Carriageway 3.34 m	Condition of Crossing Road	Design Quality
Traffic Volume	(year)	Ratio of Heavy Vehicle %	Width of River m	Free Board m
Final Record of Repair	Pavement Deck Slab	Main Beam	Repair etc.	Others
Others	Painting	Substructure	Beating	Drainage
			Expansion Joint	Railing
			Substructure	Curb
			Others	Affixed Ancies
			Substructure	
			Overall Rating	

Elevation

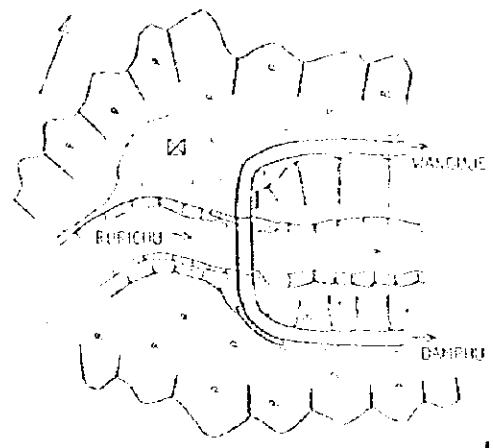


Cross Section



1. Sag of main girder is 1 cm.
2. No lateral displacement.
3. In 1996 flood attacked the upper and right bank. Then gabion installed.

Plan



Result of Visual Inspection	Date of Inspection
Pavement	Z
Curb	—
Railing	—
Deck Slab	—
Main Beam	—
Others	—
Substructure	—
Overall Rating	1.6

1. No damage detected on the basis of the inspection results.
2. Damage has been detected and a follow-up survey is required.
3. There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
4. There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight have to be imposed.

Comment

1. Abutments are on rocks.
2. Bailey girder is not straight laterally. 1-2cm error.
3. Beam has no space to move.
4. Good maintenance done.

Surrounding Condition

No defect except bearing maintenance.

Bridge Inspection Form

SPR No. 12



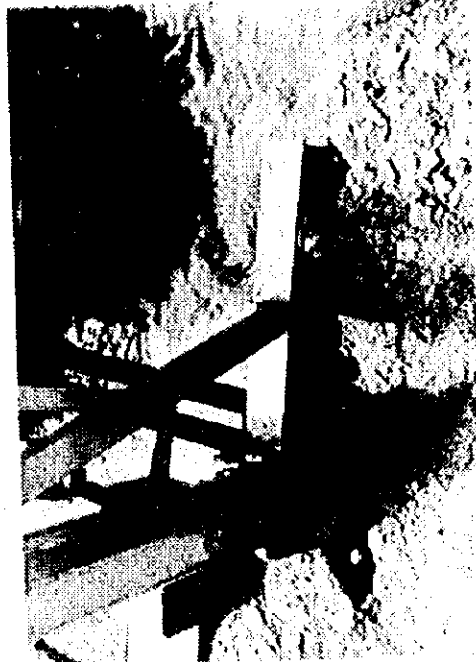
NAME OF BRIDGE		LOCATION NAME OF RIVER OR ROAD		DATE OF INSPECTION		MAINTAINED BY		
Rurichai		GASAR ROAD						
Component		Condition of Damage		COMPLETED		Rating / Sketch and Comments on major damage		
Bridge Structure	Pavement	Type	Condition					
		(Crack, Waving, Raining, Check the hole, Others)	Condition					
	Curb	Type	Condition					
		(Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces)	Condition					
Deck Slab	Reinfg	Type	Condition					
		(Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surface)	Condition					
		Type	Condition					
Superstructure	Main Beam	Type	Condition					
			(Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others)	Condition				
			Type	Condition				
	Main Structure	Type	Condition					
			(Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others)	Condition				
	Diaphragm	Type	Condition					
			(Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others)	Condition				
	Sway Bracing	Type	Condition					
			(Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others)	Condition				
	Lateral Bracing	Type	Condition					
		(Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others)	Condition					
Accessory	Paving	Type	Condition					
	Expansion Joint	Type	Condition					
		(Invisible, Exposed, Good, Abnormal sound, Clogged, Deformation, Gap, Others)	Condition					
	Bearing	Type	Condition					
		(Invisible, Exposed, Good, Broken, Anchor bolt, Abnormal displacement)	Condition					
	Drainage	Type	Condition					
		(Clogged, Broken, Water leakage, Support broken, Pipe broken, Others)	Condition					
	Abutment	Type	Condition					
		(Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others)	Condition					
	Substructure	Abutment	Type	Condition				
		(Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others)	Condition					
Pier		Type	Condition					
		(Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others)	Condition					
Pier		Type	Condition					
		(Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others)	Condition					
Foundation		Type	Condition					
		(Settlement, Leaning, Mooring, Crack, Severe, Others)	Condition					
Wing Wall		Type	Condition					
		(Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces)	Condition					
Embankment	River Bank	Type	Condition					
	Back Filling	Type	Condition					
Other	Affixed Article	Type	Condition					
	Traffic Sign	Type	Condition					
Rating	Approaches	Type	Condition					
	Other	Type	Condition					

Components of photographs taken

0 Black Board (Name of Bridge)	5 Main Beam	10 Abutment	15 Main Damage
1 Pylon	6 Sway Bracing	11 Abutment	16 Main Damage
2 Road Surface	7 Drainage	12 Pier	17 Main Damage
3 Expansion Joint	8 Bearing	13 Pier	18
4 Deck Slab (Underface)	9 Elevation	14 Pier	19
		15 Pier	20



- Note: Further inspection shall be carried out on the 'major damage' detected in this inspection.
- No damage detected on the basis of the inspection results.
 - Damage has been detected and a follow-up survey is required.
 - There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
 - There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight to be imposed.

Photographs

NAME OF BRIDGE	Rufichu	SER No. /2	Date of inspection
Front	Photo Album No.		Photo Album No.
Elevation	Photo Album No.		

100, 02

Photographs

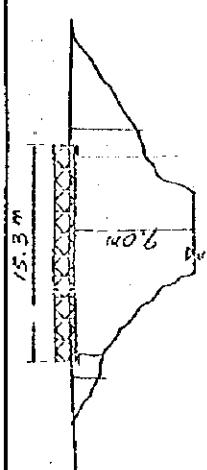
NAME OF BRIDGE	Rutika	SER No. 72	Date of Inspection
Front	Photo Album No. _____		
Photo Album No.	Abutment A1		Photo Album No. _____
Elevation	Photo Album No. _____		
Photo Album No.	D/Ho A2		Photo Album No. _____

Bridge Inventory

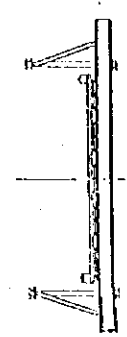
SER. NO. 13 N.H. Rt. 5 24.1 km

NAME OF BRIDGE <i>Boychuk</i>	CLASS OF ROAD <i>N.H. Rt. No. 5</i>	CROSSING: NAME OF RIVER OR ROAD <i>Boychuk</i>	MAINTENANCE BY
Design Information	Yes No	MAINTENANCE BY	COMPLETED <i>1985</i>
Type of Bridge	Superstructure <i>Boychuk</i>	Design Loading <i>18t</i>	Date of Inspection <i>16/9/99 & 2/10/99</i>
	Substructure <i>Masonry</i>	Design Standard <i>US</i>	Prepared by <i>Alan D. Baker</i>
Length of bridge	Pier <i>15.3</i>	Skew of Bridge <i>Square</i>	Load limitation <i>NO</i>
Width of bridge	Overall <i>4.06</i>	Condition of Crossing <i>Road</i>	Design Quantity <i>177</i>
Alfisco Arches	Ratio of Heavy Vehicle <i>15.1</i>	Expansion Joint <i>River</i>	
Traffic Volume	Year	Substructure	
Final Record of Repair	Pavement	Expansion Joint	
	Others	Substructure	

Elevation

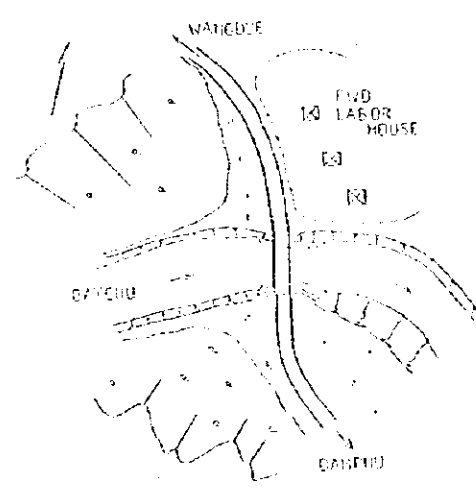


Cross Section



1. There is no sag.
2. Totally very good condition.

Plan



Result of Visual Inspection	Date of Inspection	
Pavement	2	2
Curb	1	1
Railing	1	1
Deck Slab	1	1
Main Beam	1	1
Others	1	1
Superelevation	1.3	1.6
Overall Rating	1.6	1.6

Comment
1. Good conditions. Overall rating: 2
2. Abutments have no settling.
3. Bearing is blocked.

1. No damage detected on the basis of the inspection results.
2. Damage has been detected and a follow-up survey is required.
3. There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
4. There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight have to be imposed.

Surrounding Condition

Bridge Inspection Form

Good, No comments
SER No. 12

NAME OF BRIDGE		NAME OF ROAD		STATUS OF INSPECTION		MAINTENANCE BY	
Baychu		BAYCHU		COMPLETED			
Component				Rating			
Condition of Damage				Sketch and Comment on major damage			
Bridge Surface	Pavement	Type	Condition				
		Good, Waving, Rutting, Check, Potholes, Others	Condition				
	Curb	Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
Deck Slab	Railing	Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
Superstructure		Type	Condition				
		Good	Condition				
		1 direction	Condition				
		2 direction	Condition				
Main Beam		3. Major	Condition				
		1. Minor	Condition				
		2. Intermediate	Condition				
		3. Major	Condition				
Main Structure		Type	Condition				
		Good, Rust, Corrosion, Bulging, Excessive deformation, Rupture of, Others	Condition				
		Type	Condition				
		Good, Rust, Corrosion, Bulging, Excessive deformation, Rupture of, Others	Condition				
Diaphragm		Type	Condition				
		Good, Rust, Corrosion, Bulging, Excessive deformation, Rupture of, Others	Condition				
		Type	Condition				
		Good, Rust, Corrosion, Bulging, Excessive deformation, Rupture of, Others	Condition				
Sway Bracing		Type	Condition				
		Good	Condition				
		1 direction	Condition				
		2 direction	Condition				
Lateral Bracing		3. Major	Condition				
		1. Minor	Condition				
		2. Intermediate	Condition				
		3. Major	Condition				
Piering		Type	Condition				
		Good	Condition				
		1 direction	Condition				
		2 direction	Condition				
Expansion Joint		3. Major	Condition				
		1. Minor	Condition				
		2. Intermediate	Condition				
		3. Major	Condition				
Bearing		Type	Condition				
		Invariable, Existed, Good, Abnormal sound, Clogged, Deformation, Gap, Others	Condition				
		Type	Condition				
		Invariable, Existed, Good, Broken, Anchor bolt, Abnormal displacement	Condition				
Drainage		Type	Condition				
		Clogged, Broken, Water leakage, Support broken, Pipe broken, Others	Condition				
		Type	Condition				
		Invariable, Existed, Good, Abnormal sound, Clogged, Deformation, Gap, Others	Condition				
Abutment		Type	Condition				
		Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others	Condition				
		Type	Condition				
		Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others	Condition				
Abutment		Type	Condition				
		Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others	Condition				
		Type	Condition				
		Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others	Condition				
Pier		Type	Condition				
		Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others	Condition				
		Type	Condition				
		Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others	Condition				
Pier		Type	Condition				
		Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others	Condition				
		Type	Condition				
		Body broken (Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, wear of surfaces), Others	Condition				
Foundation		Type	Condition				
		Settlement, Leaning, Mooring, Check, Seawing, Others	Condition				
		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
Wing Wall		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
Embankment		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
Afted Article		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
Traffic Sign		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
Approaches		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
Others		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				
		Type	Condition				
		Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition				

Comments on rehabilitation method

Comments on photo graphs taken

Component of photo graphs taken	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
0 Black Board (Name of Bridge)																				
1 Front																				
2 Road Surface																				
3 Expansion Joint																				
4 Deck Slab (Underface)																				

Note: Further inspection shall be carried out on the "major damage" detected in this inspection.

- No damage detected on the basis of the inspection results.
- Damage has been detected and a follow-up survey is required.
- There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
- There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight to be imposed.

Photographs

NAME OF BRIDGE *Boycott*

SER No. *73*

Date of Inspection

Front

Photo Album No.

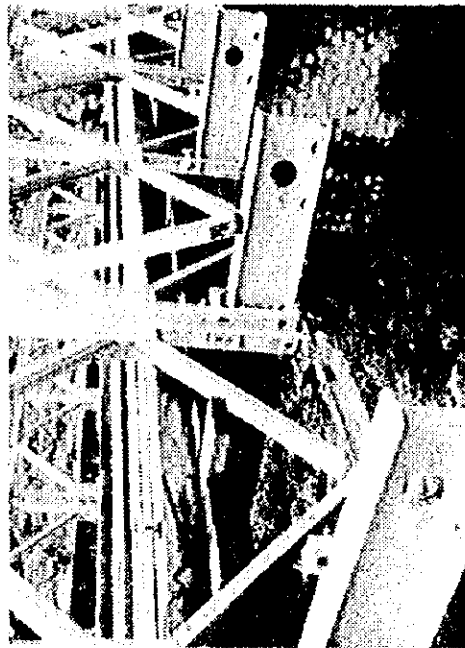


Photo Album No.



Elevation

Photo Album No.



Photographs

NAME OF BRIDGE	SER. No. 73	Date of Inspection
Front	Photo Album No.	Photo Album No.
		
Elevation	Photo Album No.	Photo Album No.
Being blocked		

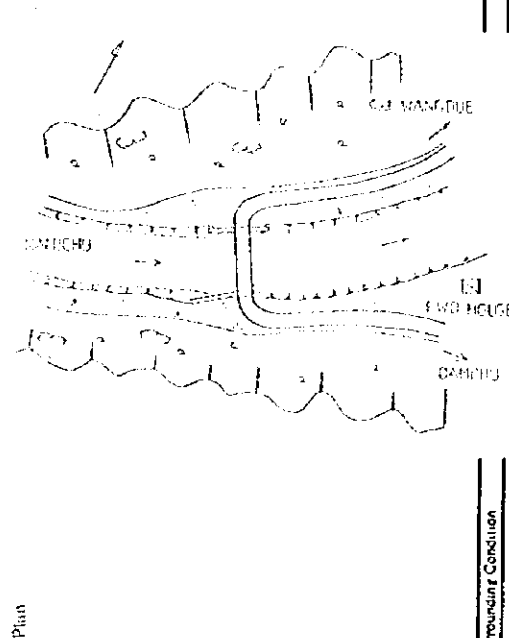
Bridge Inventory

SER. No. 14 N.H. Rt. 5 32 KM

NAME OF BRIDGE Karniichu	CLASS OF ROAD N.H. Rt. NO. 5	CROSSING NAME OR SURROUNDING ROAD Karniichu	COMPLETED 1986	MAINTENANCE BY
Design Information	No	Manufacture	Date of Preparation 16/11/97	Prepared by UN KNOWN
Type of Bridge	Superstructure Bailey SS	Deck Timber	Design Loading	Used Imposition No
	Substructure Masonry		Design Standard	15T
Length of Bridge	Abutment 18.3	Pier 18.1	Skew of Bridge	Skew
Width of Bridge	Overall 4.06	m Carriageway 3.32	Condition of Crossing	Width m Clearance m Skew deg.
Aligned Assets		m Pedestrianway	Skew	Width of River m Depth m
Traffic Volume	(year)	%	Others	Free Board m
Final Record of Repair	Pavement Deck Slab	Main Beam	Expansion Joint	Repair etc.
	Others	Parapet	Substructure	Bearing

Elevation

1. There is no sag.
2. Lateral displacement is 3cm, from the time of completion.



Result of Visual Inspection	Date of Inspection
Pavement	2
Curb	Abutment
Railing	Pier
Deck Slab	Wing Wall
Main Beam	River Bank
Others	Approaches
Substructure	Others
Overall Rating	Bridge Accessory
	Substructure
	1.6
	1.0
	1.6

Comment

1. Bailey girder is not straight, from the beginning.
2. Bearing blocked.
3. Overall rating 1.6.

1. No damage detected on the basis of the inspection results.
2. Damage has been detected and a follow-up survey is required.
3. There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
4. There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight have to be imposed.

Photographs

NAME OF BRIDGE *Kennel Hill*

SER No. *74*

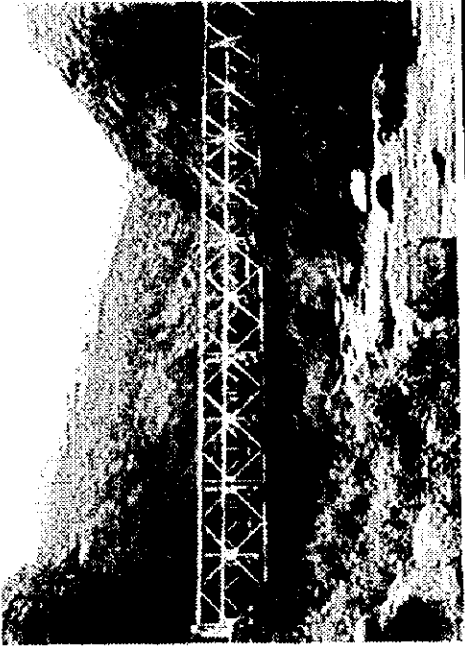
Date of Inspection

Front

Photo Album No.

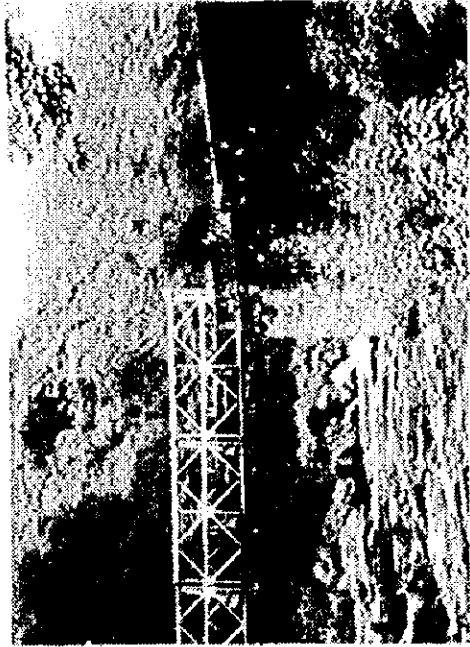
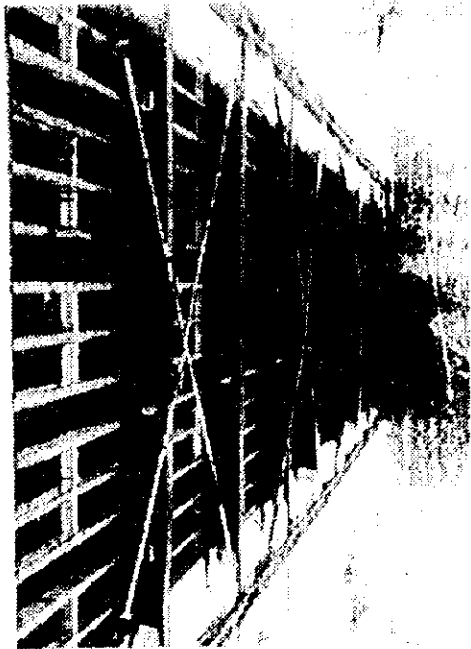


Photo Album No.



Elevation

Photo Album No.



Photographs

NAME OF BRIDGE Камічки ISER No. 12 Date of Inspection

Front

Photo Album No.

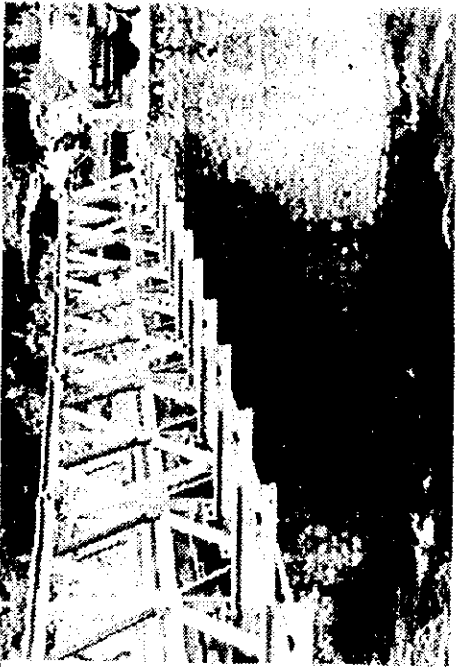


Photo Album No.



Elevation

Photo Album No.



Lateral displacement of 3cm

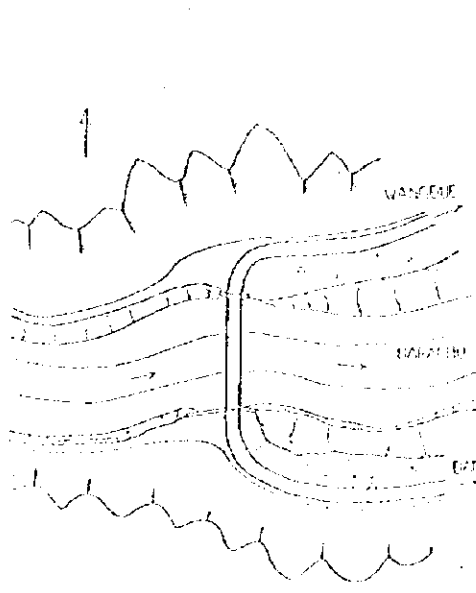
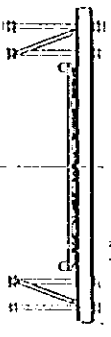


Bridge Inventory

SER. NO. 15 N.H. RT. 5 52 KM

NAME OF BRIDGE Narachi		CLASS OF ROAD N.H. RT. No. 5		CROSSING: NAME OF RIVER OR ROAD Narachi		COMPLETED 1992		MAINTENANCE BY	
Design Information		No		Date of Inspection 16/9/99 @ 2/10/97		Prepared by M. K. B. B.		Load Limitation (NO) Yes	
Type of Bridge		Superstructure Bailey DS		Design Loading DS		Slew		USE, R#	
		Substructure Abutment		Design Standard		Road		Slew	
		Pier		Slew of Bridge		Width		Clearance m	
Length of Bridge		m Span 30.5		Condition of Crossing		Width of River		Depth	
Width of Bridge		m Carriageway 5.0		Ratio of Heavy Vehicle (Year)		m		Free Board	
Affixed Ancillaries		Overall		Main Beam		m		Design Quality	
Traction Volume		(Year)		Paving		m		m	
Final Record of Repair		Pavement		Deck Slab		Repair etc.		m	
		Others		Expansion Joint		Bearing		m	
		Others		Substructure		Drainage		m	
Elevation		30.5 m		Cross Section		Railing		m	
		4.0 m		Plan		Curb		m	
		2.0 m		Result of Visual Inspection		Affixed Ancillaries		m	
		2.0 m		Pavement		Bearing		m	
		2.0 m		Curb		Expansion Joint		m	
		2.0 m		Railing		Drainage		m	
		2.0 m		Deck Slab		Affixed Ancillaries		m	
		2.0 m		Main Beam		Others		m	
		2.0 m		Others		Bridge Accessory		m	
		2.0 m		Substructure		Substructure		m	
		2.0 m		Overall Rating		Overall Rating		m	
		2.0 m		Rating		Comment		m	
		2.0 m		1. No damage detected on the basis of the inspection results.		1. In 1995, bridge was covered		m	
		2.0 m		2. Damage has been detected and a follow-up survey is required.		2. Overall rating 1.2.		m	
		2.0 m		3. There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.				m	
		2.0 m		4. There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight have to be imposed.				m	

1. Sag of main girders is 12 cm.
2. Lateral displacement is 1 cm.
3. Totally good condition.
4. Bearings are maintained perfectly.



Plan

Surrounding Condition

Very Good. No comments.

Bridge Inspection Form

SER No. 15

NAME OF BRIDGE		CLASS OF ROAD		CROSSING NAME OF RIVER OR ROAD		COMPLETED		DATE OF INSPECTION		MAIN INSPECTOR'S BY		
No rocks				Cantonment of Damraj		Rating, Sketch and Comments on major damage						
Bridge Surface	Component	Type	Condition of Damage									
	Pavement	Good, Wearing, Rutting, Cracks, Pot holes, Others	Condition									
	Curbs	Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition									
	Reefing	Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition									
	Deck Slab	Good, Scaling, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Condition									
	Superstructure	Main Beam	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
		Main Structure	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
		Supports	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
		Lateral Bracing	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
		Piercap	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
Accessories	Expansion Joint	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition									
	Bearing	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition									
	Drainage	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition									
	Substructure	Abutment	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
		Abutment	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
		Pier	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
		Pier	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
		Foundation	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
	Others	Wing Wall	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
		Embankment	Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition								
Affixed Anvols		Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition									
Traffic Sign		Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition									
Approaches		Good, Rust, Corrosion, Buckling, Excessive deformation, Rives off, Others	Condition									

Comments on rehabilitation method

Components of photographs taken	
0 Black Board (Name of Bridge)	15 Main Damage
1 Pier	16 Main Damage
2 Road Surface	17 Main Damage
3 Expansion Joint	18
4 Deck Slab (Underface)	19
5 Main Beam	20
6 Sway Bracing	21
7 Drainage	22
8 Bearing	23
9 Elevation	24

Note: Further inspection shall be carried out on the "major damage" detected in this inspection.

Photographs

NAME OF BRIDGE

Natchez

SEK No. /S

Date of Inspection

Front

Photo Album No.

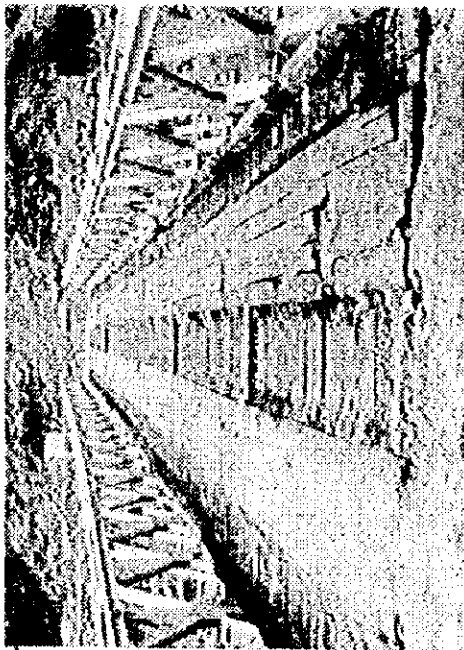
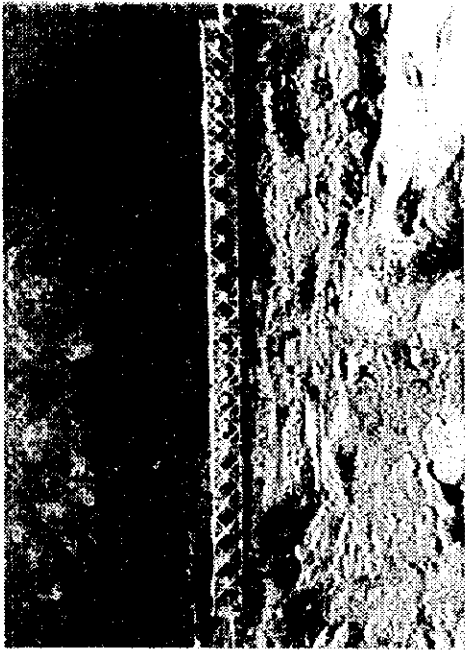
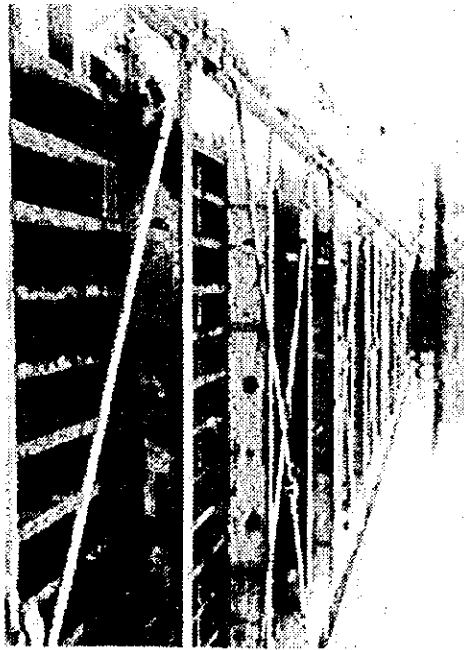


Photo Album No.



Elevation

Photo Album No.



Photographs

NAME OF BRIDGE

Nayachai

SER. No. / 5

Date of Inspection

Front

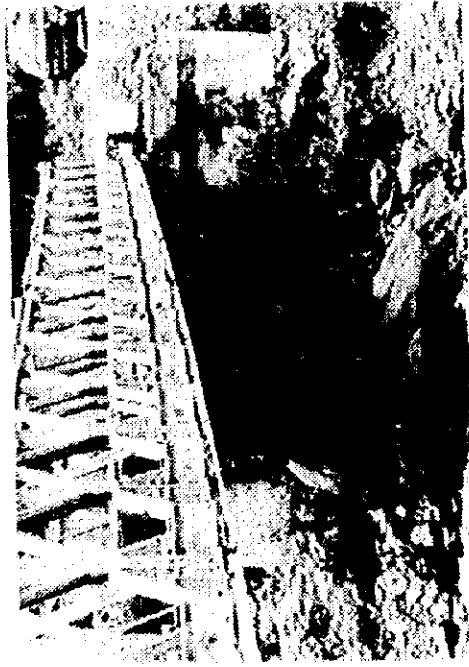
Photo Album No. *(2)*

Photo Album No.



Elevation

Photo Album No.

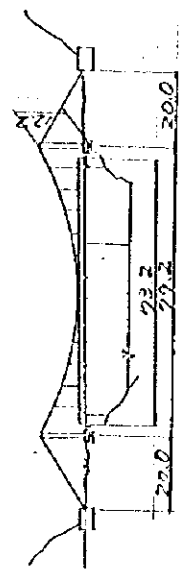
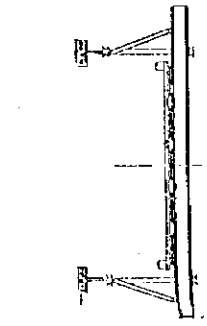


Bridge Inventory

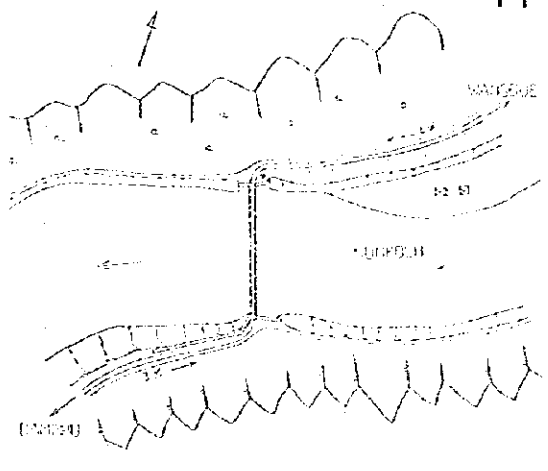
SER No. 16. N.H. Rt 5 54 km

NAME OF BRIDGE Wakleyta		CLASS OF ROAD N.H. Rt No. 5		CROSSING: NAME OF RIVER OR ROAD S.P. 1056		COMPLETED 1987		MAINTENANCE BY	
Design Information		No		Date of Preparation 18/9/97		Prepared by 244		Load Limitation No	
Type of Bridge		Superstructure Bailey Suspension		Design Loading		US		No	
Substructure		Abutment Masonry		Design Substrate		Skew		Kil	
Length of Bridge		m Span 73.2		Skew of Bridge		Road		m	
Width of Bridge		m Carriageway 3.37		Condition of Crossing		River		m	
Affixed Articles		Ratio of Heavy Vehicle (year)		Others		Repair etc.		m	
Final Record of Repair		Deck Slab		Expansion Joint		Bearing		m	
Others		Main beam		Substructure		Drainage		m	
		Painting		Cross Section		Railing		m	
						Curb		m	
						Affixed Articles		m	
						Design Quantity		m	

1. Sag of main girder is 27cm.
2. No lateral displacement.
3. Tower anchorage, hanger OK.
4. Best maintenance among Bailey Suspension Bridges.



Plan



Result of Visual Inspection	Date of Inspection		Abutment
	Bearing	Pier	
Pavement	1	1	1
Curb	1	1	1
Railing	1	1	1
Deck Slab	2	2	2
Main Beam	2	2	2
Others	2	2	2
Substructure	2	2	2
Overall Rating	2.0	2.0	2.0



1. No damage detected on the basis of the inspection results.
2. Damage has been detected and a follow-up survey is required.
3. There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
4. There is significant damage and urgent repair is required or the bridge has to be closed to traffic or restriction on vehicle weight have to be imposed.

1. Abutments A1, A2, OK
 2. Structures OK.
- Anchor / Gird
Bearing

Surrounding Condition

Bridge Inspection Form



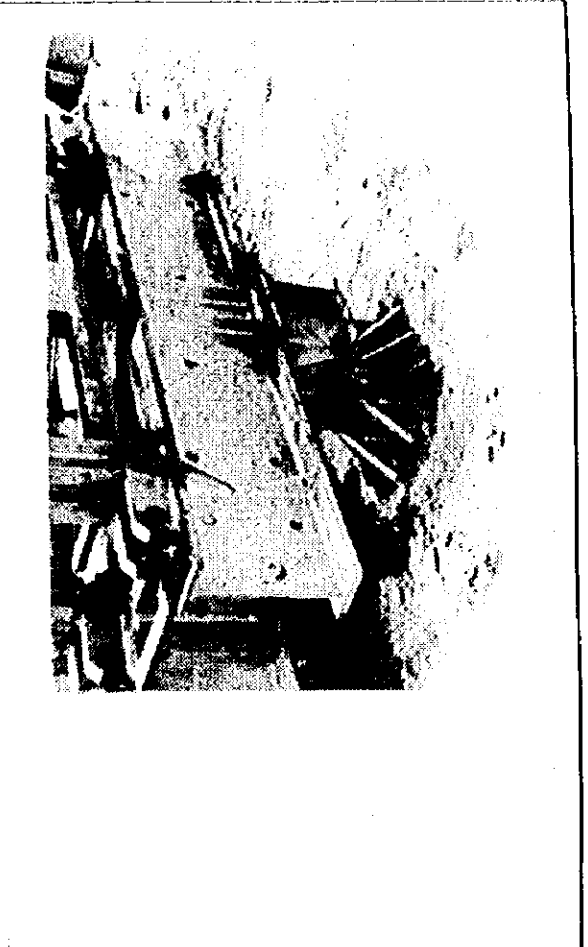
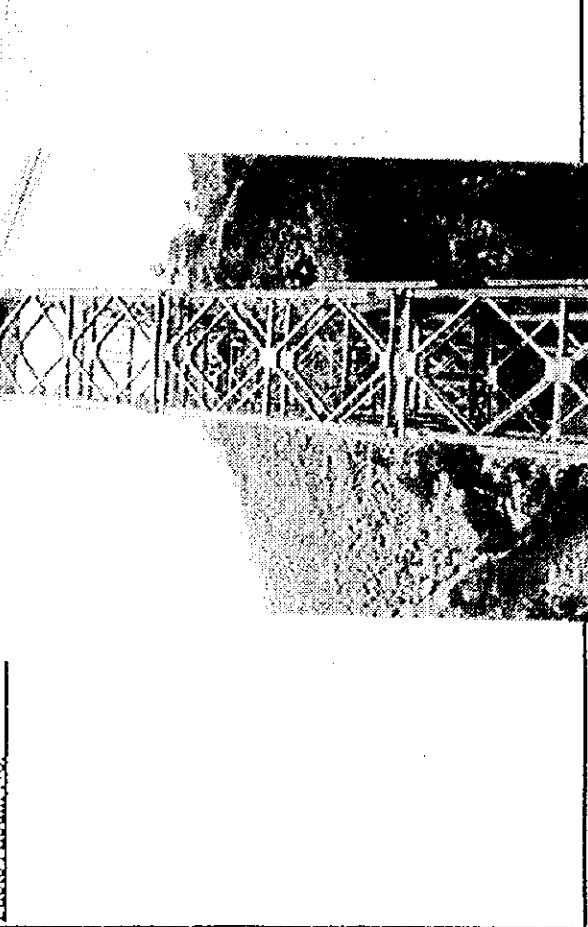
SEQ No. 16

NAME OF BRIDGE		CROSSING NAME OF RIVER OR ROAD		DATE OF INSPECTION		MAINTENANCE BY	
Component		Condition of Damage		COMPLETED		Rating	
Type		Condition		Sketch and Comments on major damage		Components of photographs taken	
Pavement	Good, Wearing, Rutting, Cracks, Potholes, Others	Good	Good	 <p>No way to access turn - buckle</p>		0	Black Board (Name of Bridge)
Curb	Good, Sealing, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Good	Good			1	Front
Railing	Good, Sealing, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Good	Good	 <p>Comments on rehabili</p>		5	Main Beams
Deck Slab	Good, Sealing, Cracking, Spalling, Exposure and corrosion of reinforcement, Wear of surfaces	Good	Good			6	Sway Bracing
Main Beam	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	7	Drainage	8	Beating
Main Structure	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	9	Elevation	10	Abutment
Overpass	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	11	Abutment	12	Pier
Sway Bracing	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	13	Pier	14	Pier
Lateral Bracing	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	15	Main Damage	16	Main Damage
Piering	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	17	Main Damage	18	Main Damage
Expansion Joint	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	19	Main Damage	20	Main Damage
Bearing	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	21	Main Damage	22	Main Damage
Drainage	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	23	Main Damage	24	Main Damage
Abutment	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	25	Main Damage	26	Main Damage
Abutment	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	27	Main Damage	28	Main Damage
Pier	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	29	Main Damage	30	Main Damage
Pier	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	31	Main Damage	32	Main Damage
Foundation	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	33	Main Damage	34	Main Damage
Wing Wall	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	35	Main Damage	36	Main Damage
Embankment	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	37	Main Damage	38	Main Damage
Articled Abutle	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	39	Main Damage	40	Main Damage
Traffic Sign	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	41	Main Damage	42	Main Damage
Approaches	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	43	Main Damage	44	Main Damage
Other	Good, Rust, Corrosion, Buckling, Excessive deformation, Rupture, Others	Good	Good	45	Main Damage	46	Main Damage




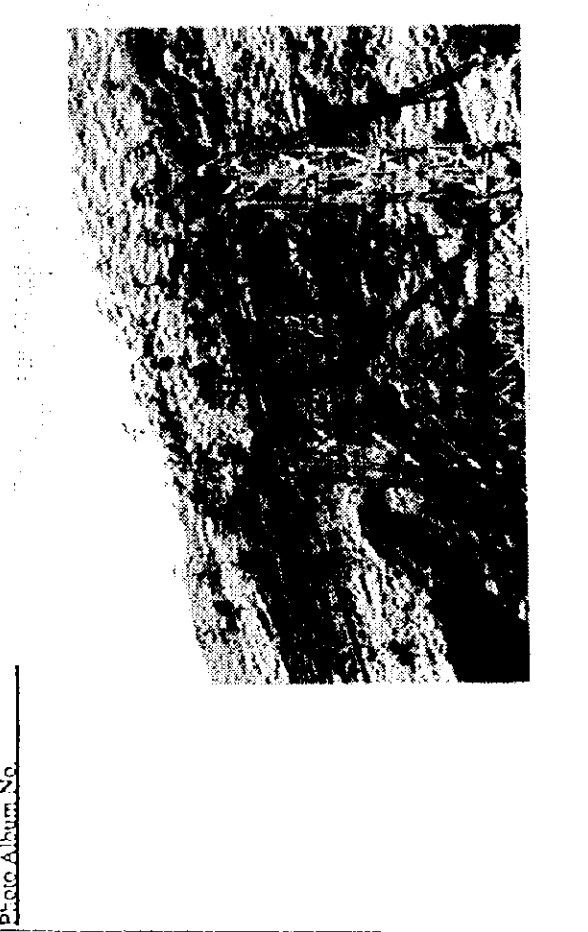
Note: Further inspection shall be carried out on the "major damage" detected in this inspection.

- No damage detected on the basis of the inspection results.
- Damage has been detected and a follow-up survey is required.
- There is significant damage and a detailed survey needs to be carried out to establish whether repair work is to be carried out or not.
- There is significant damage and urgent repair is required of the bridge has to be closed to traffic or restriction on vehicle weight to be imposed.

Photographs

NAME OF BRIDGE <i>Wekivota</i>	SER No. <i>76</i>	Date of Inspection
Front		
Photo Album No. _____	Photo Album No. _____	
		
Elevation		
Photo Album No. _____		
		

Photographs

NAME OF BRIDGE <u>Wickley C</u>	SER No. <u>16</u>	Date of Inspection
Photo Album No. ()	Photo Album No.	
		
Elevation	Photo Album No.	
		

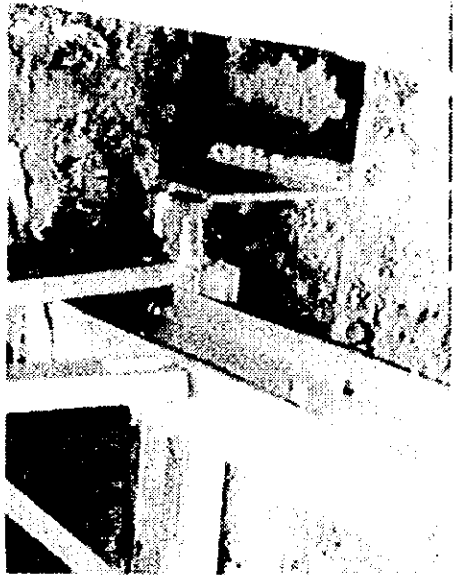
Photographs

NAME OF BRIDGE *Waikley Cr.* SER No. *16* Date of Inspection

Front

Photo Album No. *(2)*

Photo Album No.



Elevation

Photo Album No.

