

Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna	Division (Sub-division) : Bagerhat-2	LRP : 243a	Chainage : 243.653 km
1) Bridge Name : 85_Bogra Bridge	2) Road Name : Dauladia-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time : 24.11.13, 10:20am	4) GPS Data : Latitude: 22° 35'17.975" Longitude: 89° 37'52.507"

Photo of the Bridge

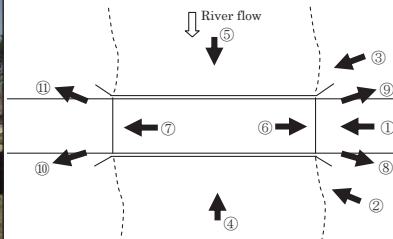


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Bagerhat-2	LRP : 243a	Chainage : 243.653 km
1) Bridge Name : 85_Bogra Bridge	2) Road Name : Dauladia-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time : 24.11.13, 10:20am	4) GPS Data : Latitude: 22° 35'17.975" Longitude: 89° 37'52.507"
<b>Photo of the Bridge</b>			
			
			




Photo Sheet of the Bridge 3/3

APPENDIX 3-3

APPENDIX 4

1. Description of Damages (Present Condition) of the Bridge

Damage of the Bridge (1/2)

Zone : Khulna		Division (Sub-division) : Bagerhat-2		LRP : 243a		Chainage : 243.653 km	
1) Bridge Name : 85_Bogra Bridge		2) Road Name : Dauladia-Jhenaidah-Jessore-Khulna-Mongla		3) Date & Time : 24.11.13, 10:20am		4) GPS Data : Latitude: 22° 35'17.975" Longitude: 89° 37'52.507"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment, /Utility Support	Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	For Concrete Structure /Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure /Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							

**Bridge and Road Specifications**

Zone: Khulna	Division( Subdivision): Bagerhat ( Bagerhat 1 )	LRP: 022a	Chainage: 0.00 km
1) Bridge Name/ No: 86 - Fatepur bridge	2) Road Name: Noapara - Bagerhat - Pirojpur	3) Date : 23-11-2013	4)GPS Data: Lt: 22°37'34.904" Lon: 89°49'52.492"
5) Road Category: R- 770	Bridge Width: 7.9m Carriageway Width: 7.3m	7) Bridge Type: Bailey with Steel Bridge	8) Bridge length: 29.5m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 6.0m	11) Sub structure information	12) River information: -Approx. river width: 25.0m -Approx. river water level: 2.3m from deck -Approx. river depth: 6.5m from deck
13) Year of Construction( if possible):	14) Load Limit( if possible):	-Type: -Approx. height:	

The site plan map shows the bridge crossing a river. The road is labeled 'To Bagerhat' and 'To Pirojpur'. Various structures are marked, including 'Bldg', 'Rice mill', 'Mosque', 'Shop Shed', and 'Fotepur bazar'. The river is labeled 'River flow' and 'Kodhwa'. Distances are marked along the road and river. A north arrow is present in the top right corner.

Consultant: Oriental Consultants Co. Ltd.	Scale: 1:1400	Name of Engineer/Surveyor: Md. Mahub	Surveyed by: SURVEY2000
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**Photo Sheet of the Bridge 1/3**

APPENDIX 3-1

Zone : Khulna	Division (Sub-division) : Bagerhat-1	LRP : 022a	Chainage : 022.861km
1) Bridge Name : 86-Fatepur Bridge	2) Road Name : Noapara-Bagerhat-Pirojpur	3) Date & Time : 23.11.13, 09:15	4) GPS Data : Latitude: 22° 37'34.904" Longitude: 89° 49'52.492"

**Photo of the Bridge**

Photo ①

Photo ②

Photo ③

Photo ④

River flow ↓

Photo ⑤

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Bagerhat-1	LRP : 022a	Chainage : 022.861km
1) Bridge Name : 86-Fatehpur Bridge	2) Road Name : Noapara-Bagerhat-Pirojpur	3) Date & Time : 23.11.13, 09:15	4) GPS Data : Latitude: 22° 37'34.904" Longitude: 89° 49'52.492"
<b>Photo of the Bridge</b>			
			
			




Photo Sheet of the Bridge 3/3

APPENDIX 3-3

APPENDIX 4

1. Description of Damages (Present Condition) of the Bridge

Damage of the Bridge (1/1)

Zone : Khulna		Division (Sub-division) : Bagerhat-1		LRP : 022a		Chainage : 022.861km	
1) Bridge Name : 86-Fatehpur Bridge		2) Road Name : Noapara-Bagerhat-Pirojpur		3) Date & Time : 23.11.13, 09:15		4) GPS Data : Latitude: 22° 37'34.904" Longitude: 89° 49'52.492"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							

### Bridge and Road Specifications

Zone: Khulna	Division( Subdivision): Narail	LRP: 13a	Chainage: 13.037 (km)
1) Bridge Name/ No: 87- Bangram Bridge	2) Road Name : Narail - Kalia Road	3) Date : 01-12-2013	4) GPS Data: Lt:23°05'10.483"Lon:89°33'31.062"
5) Road Category: Z- 7502	Bridge Width: 6.9m	7) Bridge Type: RCC Grider Bridge	8) Bridge length: 19.7m
	Carriageway Width: 6.2m	11) Sub structure information	12) River information: -Approx river width: 14.0m -Approx. river water level: 6.0m -Approx. river depth: 8.0m from deck
9) Bridge Span Arrangement: Three Span	10) Approach Road Width: 3.9m	-Type:	
13) Year of Construction( if possible): 1972	14) Load Limit(if possible):	-Approx. height:	

NORTH

Consultant: Oriental Consultants Co. Ltd.      Scale: 1:1400      Name of Engineer/Surveyor: Md. Mahbubur Rahman      Surveyed by: SURVEY2000

### Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna	Division (Sub-division) : Narail	LRP : 13a	Chainage : 13.037 km
1) Bridge Name :87_ Bangram Bridge	2) Road Name : Narail-Kalia	3) Date & Time : 01.12.13, 9:15am	4) GPS Data : Latitude : 23° 5'10.483" Longitude : 89° 33'31.062"
<b>Photo of the Bridge</b>			
<p style="text-align: center;">Photo ①</p>	<p style="text-align: center;">Photo ②</p>	<p style="text-align: center;">Photo ③</p>	
<p style="text-align: center;">Photo ④</p>	<p style="text-align: center;">River flow</p>	<p style="text-align: center;">Photo ⑤</p>	

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Narail	LRP : 13a	Chainage : 13.037 km
1) Bridge Name :87_ Bangram Bridge	2) Road Name : Narail-Kalia	3) Date & Time : 01.12.13, 9:15am	4) GPS Data : Latitude: 23° 5'10.483" Longitude: 89° 33'31.062"
<b>Photo of the Bridge</b>			
			
			





Photo Sheet of the Bridge 3/3

APPENDIX 3-3


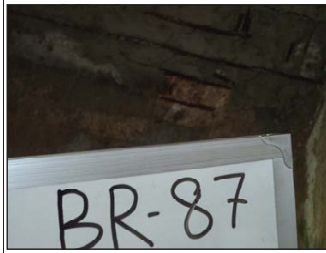
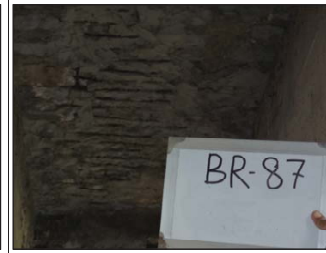

APPENDIX 4

1. Description of Damages (Present Condition) of the Bridge





Damage of the Bridge (1/4)

Zone : Khulna		Division (Sub-division) : Narail		LRP : 13a		Chainage : 13.037 km	
1) Bridge Name :87_ Bangram Bridge		2) Road Name : Narail-Kalia		3) Date & Time : 01.12.13, 9:15am		4) GPS Data : Latitude: 23° 5'10.483" Longitude: 89° 33'31.062"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, /Abutment	Damage Location	Slab, Girder, Pier, /Abutment	Damage Location	Slab, Girder, Pier, /Abutment	Damage Location	Slab, Girder, /Pier, Abutment
Damage Type	For Concrete Structure /Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							


Damage of the Bridge (2/4)

Zone : Khulna		Division (Sub-division) : Narail		LRP : 13a		Chainage : 13.037 km	
1) Bridge Name :87_ Bangram Bridge		2) Road Name : Narail-Kalia		3) Date & Time : 01.12.13, 9:15am		4) GPS Data : Latitude: 23° 5'10.483" Longitude: 89° 33'31.062"	
Damage 5		Damage 6		Damage 7		Damage 8	
Damage Location	Slab, /Girder, Pier, Abutment	Damage Location	/Slab, Girder, Pier, Abutment	Damage Location	/Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, /Abutment
Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							

Damage of the Bridge (3/4)

Zone : Khulna		Division (Sub-division) : Narail		LRP : 13a		Chainage : 13.037 km	
1) Bridge Name :87_ Bangram Bridge		2) Road Name : Narail-Kalia		3) Date & Time : 01.12.13, 9:15am		4) GPS Data : Latitude: 23° 5'10.483" Longitude: 89° 33'31.062"	
Damage		Damage 1		Damage 11		Damage 12	
Damage Location	Slab, /Girder, Pier, Abutment	Damage Location	/Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, /Abutment	Damage Location	/Slab, Girder, Pier, Abutment
Damage Type	For Concrete Structure /Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure /Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure /Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							

Damage of the Bridge (4/4)

Zone : Khulna		Division (Sub-division) : Narail		LRP : 13a		Chainage : 13.037 km	
1) Bridge Name :87_ Bangram Bridge		2) Road Name : Narail-Kalia		3) Date & Time : 01.12.13, 9:15am		4) GPS Data : Latitude: 23°5'10.483" Longitude: 89°33'31.062"	
Damage 13		Damage 14		Damage 15		Damage 16	
Damage Location	Slab, Girder, Pier, /Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	<u>For Concrete Structure</u> Crack, Spalling, /Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							



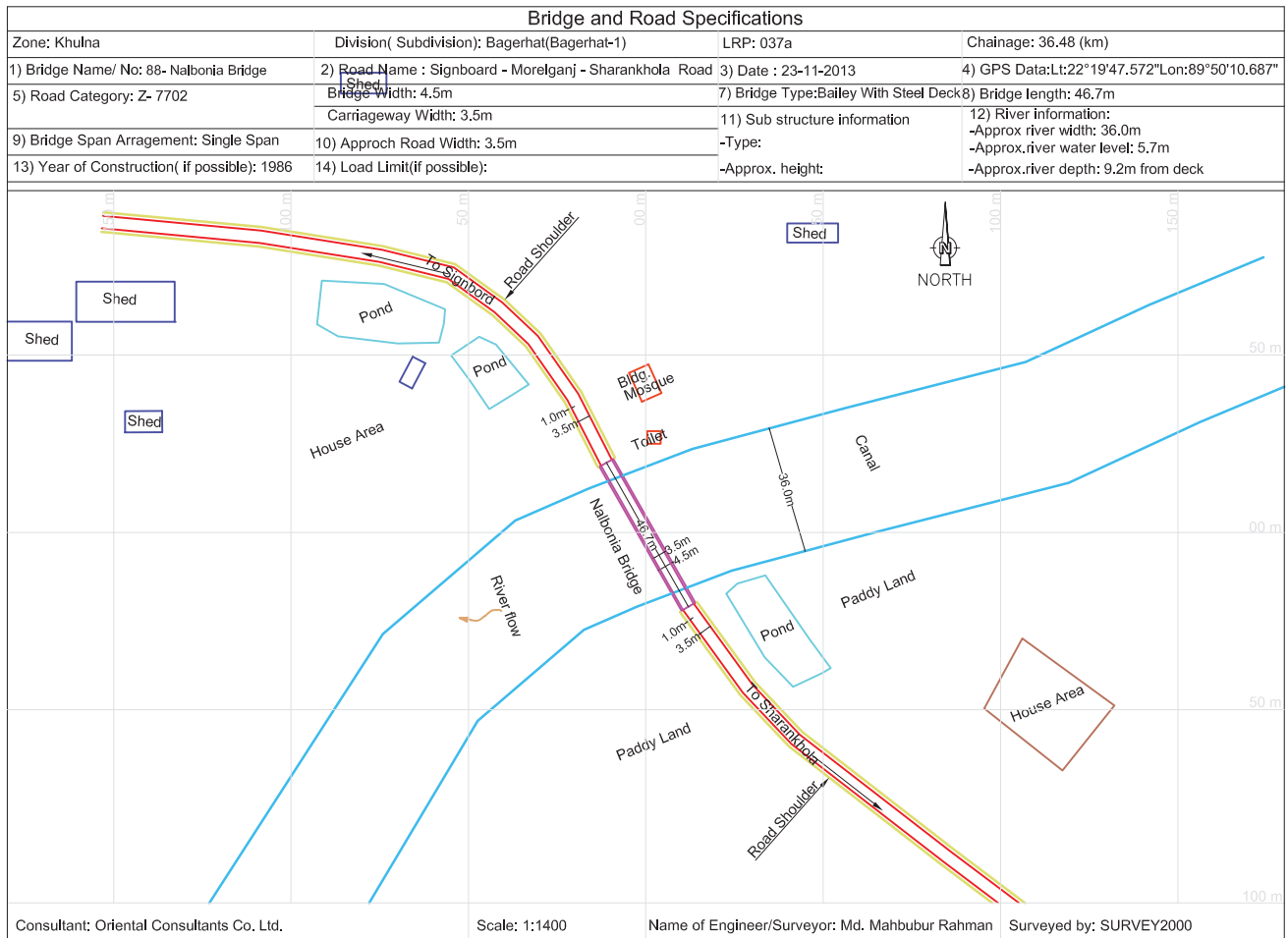


Photo Sheet of the Bridge 1/3

APPENDIX 3-1

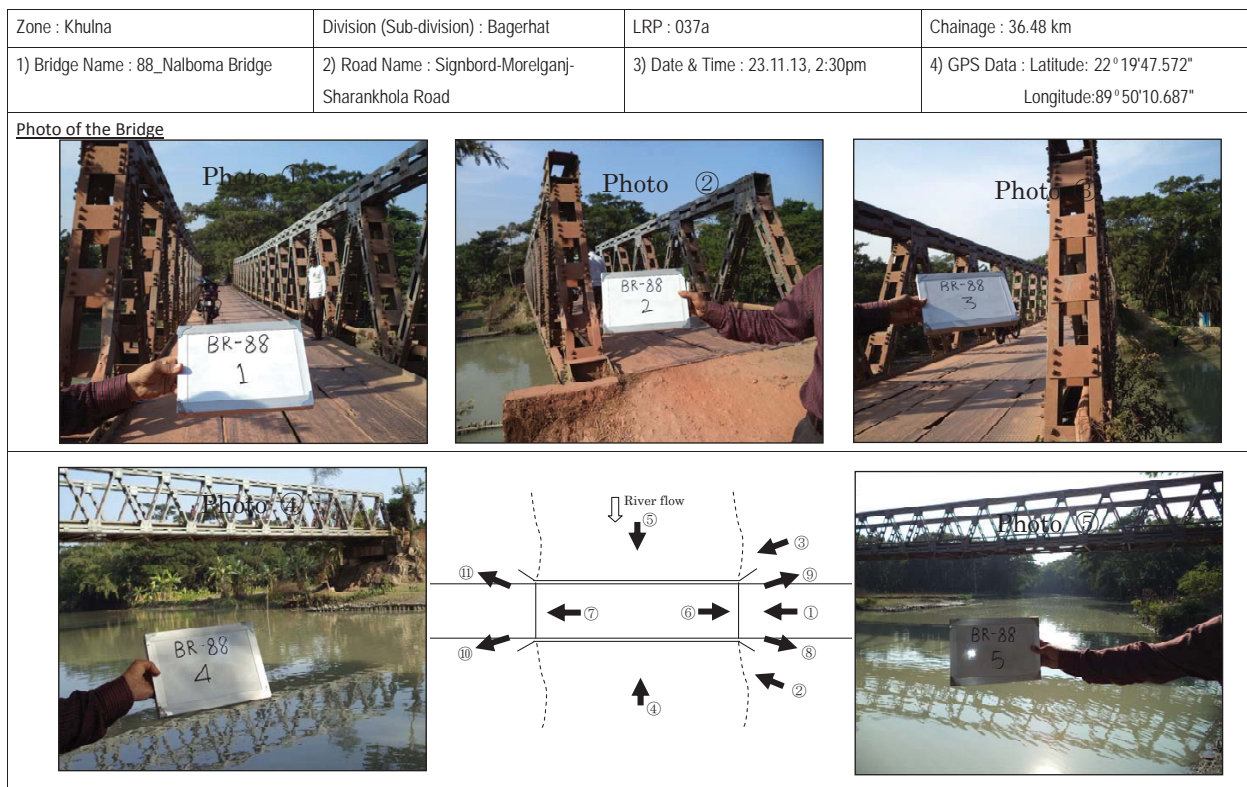


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Bagerhat	LRP : 037a	Chainage : 36.48 km
1) Bridge Name : 88_Nalboma Bridge	2) Road Name : Signbord-Morelganj-Sharankhola Road	3) Date & Time : 23.11.13, 2:30pm	4) GPS Data : Latitude: 22° 19'47.572" Longitude: 89° 50'10.687"
<b>Photo of the Bridge</b>			
			
			





Photo Sheet of the Bridge 3/3

APPENDIX 3-3

APPENDIX 4

1. Description of Damages (Present Condition) of the Bridge

Damage of the Bridge (1/2)

Zone : Khulna		Division (Sub-division) : Bagerhat		LRP : 037a		Chainage : 36.48 km	
1) Bridge Name : 88_Nalboma Bridge		2) Road Name : Signbord-Morelganj-Sharankhola Road		3) Date & Time : 23.11.13, 2:30pm		4) GPS Data : Latitude: 22° 19'47.572" Longitude: 89° 50'10.687"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	√Slab, Girder, Pier, Abutment	Damage Location	√Slab, Girder, Pier, Abutment	Damage Location	√Slab, Girder, Pier, Abutment	Damage Location	√Slab, Girder, Pier, Abutment
Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, √Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, √Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, √Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, √Deformed section Others ( )
							
Comments							

Damage of the Bridge (2/2)

Zone : Khulna		Division (Sub-division) : Bagerhat		LRP : 037a		Chainage : 36.48 km	
1) Bridge Name : 88_Nalboma Bridge		2) Road Name : Signbord-Morelganj-Sharankhola Road		3) Date & Time : 23.11.13, 2:30pm		4) GPS Data : Latitude: 22°19'47.572" Longitude:89°50'10.687"	
Damage 5		Damage 6		Damage 7		Damage 8	
Damage Location	√Slab, Girder, Pier, Abutment	Damage Location	√Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, √Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, √Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							

### Bridge and Road Specifications

Zone: Khulna	Division( Subdivision): Kushtia	LRP: 7a	Chainage: 7.45 (km)
1) Bridge Name/No:89-Gobindogonia GK Bridge	2) Road Name : Bheramara- Mirpur Road	3) Date : 05-12-2013	4) GPS Data: Lt:23°57'8.06" Lon:89°0'16.903"
5) Road Category: Z- 7463	Bridge Width: 3.5m Carriageway Width: 2.5m	7) Bridge Type: RCC Girder Bridge	8) Bridge length: 36.3m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 4.2m	11) Sub structure information -Type: Shed	12) River information: -Approx river width: 35.0m -Approx. river water level: 5.1m -Approx. river depth: 5.6m from deck
13) Year of Construction( if possible): 1956	14) Load Limit(if possible):	-Approx. height:	

Consultant: Oriental Consultants Co. Ltd.	Scale: 1:1400	Name of Engineer/Surveyor: Md. Mahbubur Rahman
		Surveyed by: SURVEY2000

### Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna	Division (Sub-division) : Kushtia	LRP : 7a	Chainage : 7.45 km
1) Bridge Name :89_Gobindagonia GK Bridge	2) Road Name : Bheramara-Mirpur Road	3) Date & Time : 05.12.13, 10:00am	4) GPS Data : Latitude: 23°57'8.06" Longitude:89°0'16.903"
<b>Photo of the Bridge</b>			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Kushtia	LRP : 7a	Chainage : 7.45 km
1) Bridge Name :89_Gobindagonia GK Bridge	2) Road Name : Bheramara-Mirpur Road	3) Date & Time : 05.12.13, 10:00am	4) GPS Data : Latitude: 23° 57'8.06" Longitude:89° 0'16.903"
<b>Photo of the Bridge</b>			
			
			





Photo Sheet of the Bridge 3/3

APPENDIX 3-3





APPENDIX 4

1. Description of Damages (Present Condition) of the Bridge

Damage of the Bridge (1/2)

Zone : Khulna		Division (Sub-division) : Kushtia		LRP : 7a		Chainage : 7.45 km	
1) Bridge Name :89_Gobindagonia GK Bridge		2) Road Name : Bheramara-Mirpur Road		3) Date & Time : 05.12.13, 10:00am		4) GPS Data : Latitude: 23° 57'8.06" Longitude:89° 0'16.903"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	/Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment, /Footpath
Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure /Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							

Damage of the Bridge (2/2)

Zone : Khulna		Division (Sub-division) : Kushtia		LRP : 7a		Chainage : 7.45 km	
1) Bridge Name :89_Gobindagonia GK Bridge		2) Road Name : Bheramara-Mirpur Road		3) Date & Time : 05.12.13, 10:00am		4) GPS Data : Latitude: 23° 57'8.06" Longitude:89° 0'16.903"	
Damage 5		Damage 6		Damage 7		Damage 8	
Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	Slab, Girder, Pier, Abutment, /Railing
Damage Type	<u>For Concrete Structure</u> Crack, Spalling, /Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, /Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others (Missing) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others (Missing) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							

### Bridge and Road Specifications

Zone: Khulna		Division( Subdivision): Jenaidah		LRP: 12c		Chainage: 13.855 (km)	
1) Bridge Name/No: 90- Chandipur Bridge		2) Road Name : Jenaidah- Kushtia- Paksey- Dasuria Road		3) Date : 03-12-2013		4) GPS Data: Lt:23°39'20.143"Lon:89°11'55.114"	
5) Road Category: N- 704		Bridge Width: 7.5m Carriageway Width: 7.2m		7) Bridge Type: RCC Girder Bridge		8) Bridge length: 24.2m	
9) Bridge Span Arrangement: Three Span		10) Approach Road Width: 9.5m		11) Sub structure information -Type: -Approx. height:		12) River information: -Approx river width: 28.0m -Approx.river water level: 4.2m -Approx.river depth: 5.0m from deck	
13) Year of Construction( if possible): 1976		14) Load Limit(if possible):					

NORTH

Consultant: Oriental Consultants Co. Ltd.	Scale: 1:1400	Name of Engineer/Surveyor: Md. Mahabubur Rahman
Surveyed by: SURVEY2000		

### Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna		Division (Sub-division) : Jhenaaidah		LRP : 12c		Chainage : 13.855 km	
1) Bridge Name :90_ Chandipur Bridge		2) Road Name : Jhenaidah-Kustia-Paksey Ferry-Dasuria		3) Date & Time : 03.12.13, 04:10am		4) GPS Data : Latitude: 23° 39'20.143" Longitude:89° 11'55.114"	
<b>Photo of the Bridge</b>							
<p style="text-align: center;">Photo ①</p>	<p style="text-align: center;">Photo ②</p>	<p style="text-align: center;">Photo ③</p>				<p style="text-align: center;">Photo ④</p>	<p style="text-align: center;">Photo ⑤</p>
<div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div>							

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Jhenaaidah	LRP : 12c	Chainage : 13.855 km
1) Bridge Name :90_Chandipur Bridge	2) Road Name : Jhenaaidah-Kustia-Paksey Ferry-Dasuria	3) Date & Time : 03.12.13, 04:10am	4) GPS Data : Latitude: 23° 39'20.143" Longitude:89° 11'55.114"
<b>Photo of the Bridge</b>			
			
			





Photo Sheet of the Bridge 3/3

APPENDIX 3-3

APPENDIX 4

1. Description of Damages (Present Condition) of the Bridge

Damage of the Bridge (1/1)

Zone : Khulna		Division (Sub-division) : Jhenaaidah		LRP : 12c		Chainage : 13.855 km	
1) Bridge Name :90_Chandipur Bridge		2) Road Name : Jhenaaidah-Kustia-Paksey Ferry-Dasuria		3) Date & Time : 03.12.13, 04:10am		4) GPS Data : Latitude: 23° 39'20.143" Longitude:89° 11'55.114"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	Slab, Girder, Pier, Abutment, /Railing
Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							



### Bridge and Road Specifications

Zone: Khulna	Division( Subdivision): Narail	LRP: 22c	Chainage: 21.434 (km)
1) Bridge Name/ No: 91_Bhangure Bridge	2) Road Name : Jessore - Narail Road	3) Date : 30-11-2013	4) GPS Data: Lt:23°10'34.001"Lon:89°25'02.910"
5) Road Category: R-750	Bridge Width: 4.3m Carriageway Width: 3.60m	7) Bridge Type: RCC Girder Bridge	8) Bridge length: 31.2m
9) Bridge Span Arrangement: Four Span	10) Approach Road Width: 4.8m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 25.0m -Approx. river water level: 6.0m -Approx. river depth: 7.5m from deck
13) Year of Construction( if possible): 1964	14) Load Limit(if possible):		

NORTH

Scale: 1:1400

### Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna	Division (Sub-division) : Narail	LRP : 22c	Chainage : 21.434 km
1) Bridge Name : 91_Bhangura Bridge	2) Road Name : Jessore-Narail Road	3) Date & Time : 30.11.13, 3:30pm	4) GPS Data : Latitude: 23°10'34.001" Longitude: 89°25'2.91"
<b>Photo of the Bridge</b>			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Narail	LRP : 22c	Chainage : 21.434 km
1) Bridge Name : 91_Bhangura Bridge	2) Road Name : Jessore-Narail Road	3) Date & Time : 30.11.13, 3:30pm	4) GPS Data : Latitude: 23° 10'34.001" Longitude:89° 25'2.91"
<b>Photo of the Bridge</b>			
			
			


Photo Sheet of the Bridge 3/3

APPENDIX 3-3

APPENDIX 4

1. Description of Damages (Present Condition) of the Bridge

Damage of the Bridge (1/2)

Zone : Khulna		Division (Sub-division) : Narail		LRP : 22c		Chainage : 21.434 km	
1) Bridge Name : 91_Bhangura Bridge		2) Road Name : Jessore-Narail Road		3) Date & Time : 30.11.13, 3:30pm		4) GPS Data : Latitude: 23° 10'34.001" Longitude:89° 25'2.91"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							

### Bridge and Road Specifications

Zone: Khulna	Division( Subdivision): Chuadanga	LRP: 5a	Chainage: 5.56 (km)
1) Bridge Name/ No: 92_Golaidari Ghat Bridge	2) Road Name : Dorsona-Mujibnagar Road	3) Date : 03-12-2013	4) GPS Data: Lt:23°32'36.199"Lon:88°45'52.579"
5) Road Category: R_749	Bridge Width: 4.0m Carriageway Width: 3.25m	7) Bridge Type: Truss With Steel deck	8) Bridge length: 112.0m
9) Bridge Span Arrangement: Three Span	10) Approach Road Width: 3.50m	11) Sub structure information	12) River information: -Approx river width: 93.0m -Approx. river water level: 9.0m -Approx. river depth: 13.5m from deck
13) Year of Construction( if possible): 1995	14) Load Limit(if possible):	-Type: -Approx. height:	

NORTH

50 m

100 m

Consultant: Oriental Consultants Co. Ltd.	Scale: 1:1400	Name of Engineer/Surveyor: Md. Mahbur Rahman
		Surveyed by: SURVEY2000

### Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna	Division (Sub-division) : Chuadanga	LRP : 5a	Chainage : 5.56 km
1) Bridge Name : 92_Golaidari Bridge	2) Road Name : Darsana-Mojibnagar Road	3) Date & Time : 03.12.13, 8:30am	4) GPS Data : Latitude: 23° 32' 36.199" Longitude: 88° 45' 52.579"

**Photo of the Bridge**

Photo ①

Photo ②

Photo ③

Photo ④

River flow

Photo ⑤

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Chuadanga	LRP : 5a	Chainage : 5.56 km
1) Bridge Name : 92_Golaidari Bridge	2) Road Name : Darsana-Mojibnagar Road	3) Date & Time : 03.12.13, 8:30am	4) GPS Data : Latitude: 23° 32'36.199" Longitude:88° 45' 52.579"
<b>Photo of the Bridge</b>			
  			
  			





Photo Sheet of the Bridge 3/3

APPENDIX 3-3




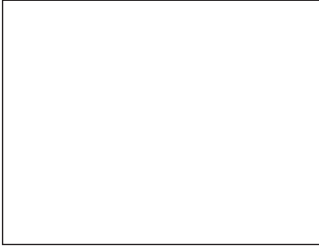
APPENDIX 4

1. Description of Damages (Present Condition) of the Bridge

Damage of the Bridge (1/2)

Zone : Khulna		Division (Sub-division) : Chuadanga		LRP : 5a		Chainage : 5.56 km	
1) Bridge Name : 92_Golaidari Bridge		2) Road Name : Darsana-Mojibnagar Road		3) Date & Time : 03.12.13, 8:30am		4) GPS Data : Latitude: 23° 32'36.199" Longitude:88° 45' 52.579"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							

Damage of the Bridge (2/2)

Zone : Khulna		Division (Sub-division) : Chuadanga		LRP : 5a		Chainage : 5.56 km	
1) Bridge Name : 92_Golaidari Bridge		2) Road Name : Darsana-Mojibnagar Road		3) Date & Time : 03.12.13, 8:30am		4) GPS Data : Latitude: 23° 32' 36.199" Longitude: 88° 45' 52.579"	
Damage 5		Damage 6		Damage 7		Damage 8	
Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							

### Bridge and Road Specifications

Zone: Khulna	Division (Sub-division): Jessore (Jessore-2)	LRP: 3b	Chainage: 3.574 (km)
1) Bridge Name/No: 93- Barandipara Bridge	2) Road Name : Palbari- Monihar Road	3) Date : 30-11-2013	4) GPS Data: Lt:23°10'17.225" Lon:89°13'12.979"
5) Road Category: N- 708	Bridge Width: 10.2m Carriageway Width: 7.4m	7) Bridge Type: RCC Girder Bridge	8) Bridge length: 31.4m
9) Bridge Span Arrangement: SingleSpan	10) Approach Road Width: 18.5m at North & 17.2m at South Side	11) Sub structure information: Shed	12) River information: -Approx river width: 53.0m -Approx. river water level: 6.5m -Approx. river depth: 8.0m from deck
13) Year of Construction( if possible): 2011	14) Load Limit(if possible):	-Type: -Approx. height:	

Consultant: Oriental Consultants Co. Ltd.      Scale: 1:1400      Name of Engineer/Surveyor: Md. Mahabubur Rahman      Surveyed by: SURVEY2000

### Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna	Division (Sub-division) : Jessore-2	LRP : 3b	Chainage : 3.574 km
1) Bridge Name : 93_Barandipara Bridge	2) Road Name : Jessore Town Old Section (Palbari-Monihar Road)	3) Date & Time : 30.11.13, 8:30am	4) GPS Data : Latitude: 23° 10'17.225" Longitude: 89° 13'12.979"
<b>Photo of the Bridge</b>			
<p style="text-align: center;">Photo ①</p>	<p style="text-align: center;">Photo ②</p>	<p style="text-align: center;">Photo ③</p>	
<p style="text-align: center;">Photo ④</p>	<p style="text-align: center;">River flow</p>	<p style="text-align: center;">Photo ⑤</p>	

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Jessore-2	LRP : 3b	Chainage : 3.574 km
1) Bridge Name : 93_Barandipara Bridge	2) Road Name : Jessore Town Old Section (Palbari-Monihar Road)	3) Date & Time : 30.11.13, 8:30am	4) GPS Data : Latitude: 23° 10'17.225" Longitude:89° 13'12.979"
<b>Photo of the Bridge</b>			
			
			



Photo Sheet of the Bridge 3/3

APPENDIX 3-3

APPENDIX 4

1. Description of Damages (Present Condition) of the Bridge

Damage of the Bridge (1/1)

Zone : Khulna		Division (Sub-division) : Jessore-2		LRP : 3b		Chainage : 3.574 km	
1) Bridge Name : 93_Barandipara Bridge		2) Road Name : Jessore Town Old Section (Palbari-Monihar Road)		3) Date & Time : 30.11.13, 8:30am		4) GPS Data : Latitude: 23° 10'17.225" Longitude:89° 13'12.979"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others ( ) For Steel Structure Corrosion, Missing bolt, Deformed section Others ( )
							
Comments							