

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

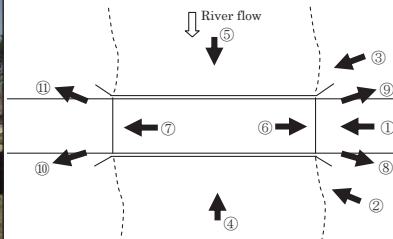


Photo Sheet of the Bridge 2/3

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:	

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 ⑤ ① ② ③ ④ ⑥ ⑦ ⑧ ⑨ ⑩	 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 Carriageway Width: 6.2m	7) Bridge Type: RCC Grider Bridge	8) Bridge length: 19.7m
9) Bridge Span Arrangement: Three Span	10) Approach Road Width: 3.9m	11) Sub structure information -Type:	12) River information: -Approx river width: 14.0m -Approx. river water level: 6.0m -Approx. river depth: 8.0m from deck
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"

**Photo of the Bridge**

Photo ①

Photo ②

Photo ③

Photo ④

Diagram

Photo ⑤

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


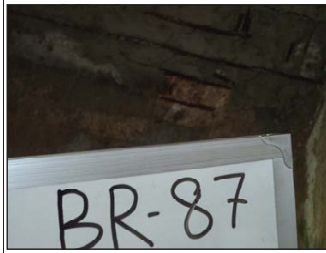
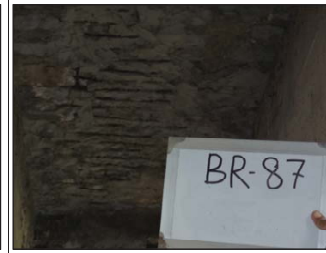

APPENDIX 4

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							



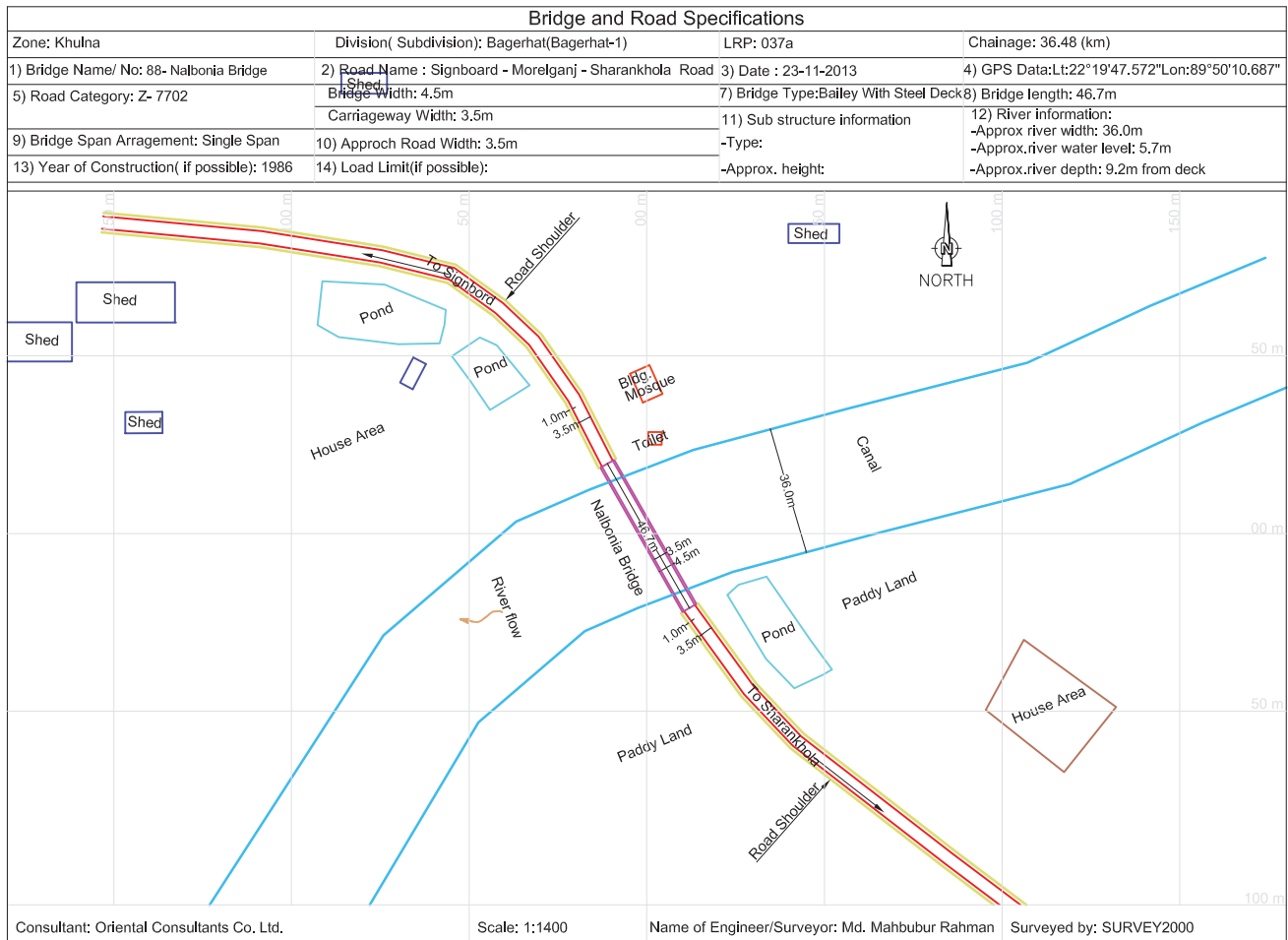


Photo Sheet of the Bridge 1/3

APPENDIX 3-1

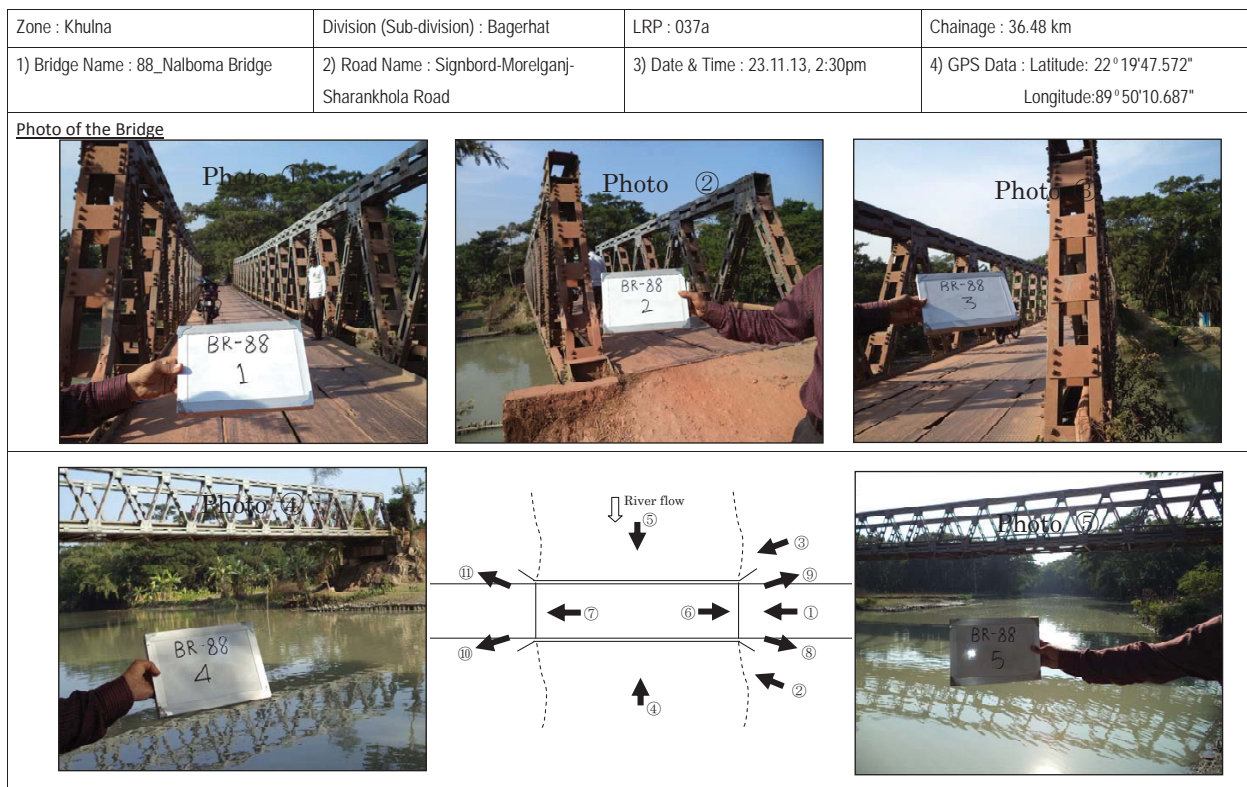


Photo Sheet of the Bridge 2/3

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;">River flow ⑤</p>		<p style="text-align: center;">Photo ④</p>	<p style="text-align: center;">Photo ⑤</p>	

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

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) : 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 ① 	Photo ② 	Photo ③ 	
Photo ④ 		Photo ⑤ 	

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 -Type: -Approx. height:	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):		

NORTH

50 m

100 m

Consultant: Oriental Consultants Co. Ltd.	Scale: 1:1400	Name of Engineer/Surveyor: Md. Mahbur Rahman	Surveyed by: SURVEY2000
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### 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°
<b>Photo of the Bridge</b>			

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




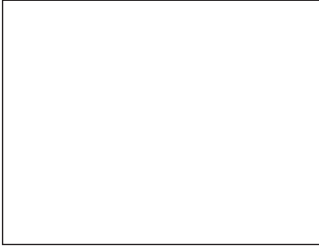
APPENDIX 4

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:	

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) : 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 ⑤</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							