

Bridge and Road Specifications

Zone: Barisal	Division(Subdivision): Jhalokati	LRP: 2a	Chainage: 1.347 (km)
1) Bridge Name/ No: 64- BishwashBari Bridge	2) Road Name : Rajapur-Naikati- Pirojpur Road	3) Date : 29-11-2013	4) GPS Data: Lt:22°34'29.599"Lon:90°7'27.028"
5) Road Category: Z-8702	6) Bridge Width: 4.0m Carriageway Width: 3.2m	7) Bridge Type: Bailey with steel deck	8) Bridge length: 25.0m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 5.6m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 18.0m -Approx. river water level: 3.5m from deck -Approx. river depth: 5.9m from deck
13) Year of Construction(if possible):	14) Load Limit(if possible):		

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

APPENDIX 3-1

Zone : Barisal	Division (Sub-division) : Jhalokathi	LRP : 2 a	Chainage : 1.347 km
1) Bridge Name : 64_ Bishwash Bari Bridge	2) Road Name : Rajapur -Pirojpur	3) Date & Time : 29.11.2013; 3.40 pm	4) GPS Data : Latitude 22°34'29.599" Longitude 90°7'27.028"

Photo of the Bridge

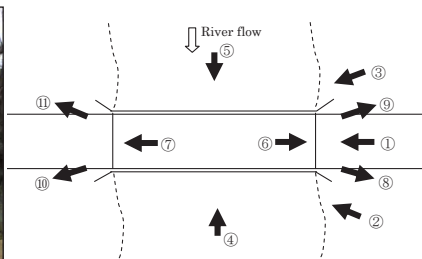


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) : Jhalokathi	LRP : 2 a	Chainage : 1.347 km
1) Bridge Name :64_ Bishwash Bari Bridge	2) Road Name : Rajapur -Pirojpur	3) Date & Time : 29.11.2013:3.40 pm	4) GPS Data : Latitude 22° 34'29.599" Longitude 90° 7'27.028"
Photo of the Bridge			
			
			



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 : Barisal		Division (Sub-division) : Jhalokathi		LRP : 2 a		Chainage : 1.347 km	
1) Bridge Name :64_ Bishwash Bari Bridge		2) Road Name : Rajapur -Pirojpur		3) Date & Time : 29.11.2013:3.40 pm		4) GPS Data : Latitude 22° 34'29.599" Longitude 90° 7'27.028"	
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 ()
							
Coments:							

Bridge and Road Specifications

Zone: Barisal		Division(Subdivision):Jhalokathi		LRP: 009a		Chainage: 8.56 (km)	
1) Bridge Name/ no: 65_Saturia Bridge		2) Road Name: Rajapur-Naikati-Bekutia-Pijojpur Road		3) Date : 30-11-2013		4) GPS Data: Lt.22°34'39.391" Lon.90°03'23.831"	
5) Road Category: Z-8702		6) Bridge Width: 3.90m Carriage Width: 3.60m		7) Bridge Type: Bailey With Steel Deck		8) Bridge length: 25.0m	
9) Bridge Span Arrangement: Single Span		10) Approach Road Width: 5.50m		11) Sub structure information -Type: -Approx. height:		12) River information: -Approx river width: 10.0m -Approx. river water level: 3.0m from deck -Approx. river depth: 4.70m from deck	
13) Year of Construction(if possible):		14) Load Limit(if possible):					

Scale: 1:1400

Name of Engineer/Surveyor: Azad

Surveyed by: SURVEY2000

Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Barisal		Division (Sub-division) : Jhlokathi		LRP : 009 a		Chainage : 8.56 km	
1) Bridge Name :65_Saturia Bridge		2) Road Name :Rajapur -Pirojpur		3) Date & Time : 30.11.2013;11.20 am		4) GPS Data : Latitude 22°34'39.391" Longitude 90°3'23.831"	
Photo of the Bridge							
Photo ①		Photo ②		Photo ③			
Photo ④				Photo ⑤			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) : Jhlokathi	LRP : 009 a	Chainage : 8.56 km
1) Bridge Name :65_Saturia Bridge	2) Road Name :Rajapur -Pirojpur	3) Date & Time : 30.11.2013;11.20 am	4) GPS Data : Latitude 22°34'39.391" Longitude 90°3'23.831"

Photo of the Bridge



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 : Barisal		Division (Sub-division) : Jhlokathi		LRP : 009 a		Chainage : 8.56 km	
1) Bridge Name :65_Saturia Bridge		2) Road Name :Rajapur -Pirojpur		3) Date & Time : 30.11.2013;11.20 am		4) GPS Data : Latitude 22°34'39.391" Longitude 90°3'23.831"	
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: BARISAL		Division(Subdivision): Barguna		LRP:49a		Chainage: 50.199 km	
1) Bridge Name/no:66-Munshiganj steel Bridge		2) Road Name: Charkhali Tushkhali Mathbaria Patharghata		3) Date & Time:25-11-2013		4) GPS Data : Lat.22°5'26.698" Lon,89°56'57.124"	
5) Road Category: Z-8701		6) Bridge Width:4.20m Carriageway Width: 3.20m		7) Bridge Type:Bailey with Steel Deck		8) Bridge length: 37.00m	
9) Bridge Span Arrangement: Singel Span		10) Approach Road Width: 4.00m		11) Sub structure information -Type: -Approx. height:		12) River information: -Approx river width: 19,00m -Approx.river water level: 3.40m from deck -Approx.river depth: 6.30m from deck	
13) Year of Construction(if possible): 1990		14) Load Limit(if possible):					

The site plan shows the Munshiganj Steel Bridge crossing a river. Approach roads lead to Charkhali Bazar, Sabulpur, and Patharghata. Features include ponds, paddy land, homesteads, and tin sheds. Dimensions for approach roads and bridge width are provided.

Scale: 1:1400

Name of Engineer/Surveyor: Md. Azad

Surveyed by: SURVEY2000

Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Barisal		Division (Sub-division) : Barguna		LRP : 49 a		Chainage : 50.199 km	
1) Bridge Name : 66_Munshigonj Steel Bridge		2) Road Name : Rajapur -Patharghata		3) Date & Time :25.11.2013 12.50 pm		4) GPS Data : Latitude 22°5'26.698" Longitude 89°56'57.124	
Photo of the Bridge							
		<p style="text-align: center;">River flow</p>					

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) : Barguna	LRP : 49 a	Chainage : 50.199 km
1) Bridge Name : 66_Munshigonj Steel Bridge	2) Road Name : Rajapur -Patharghata	3) Date & Time :25.11.2013 12.50 pm	4) GPS Data : Latitude 22°5'26.698" Longitude 89°56'57.124
Photo of the Bridge			
			
			


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 : Barisal		Division (Sub-division) : Barguna		LRP : 49 a		Chainage : 50.199 km	
1) Bridge Name : 66_Munshigonj Steel Bridge		2) Road Name : Rajapur -Patharghata		3) Date & Time :25.11.2013 12.50 pm		4) GPS Data : Latitude 22°5'26.698" Longitude 89°56'57.124	
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: Barisal	Division(Subdivision): Barguna	LRP: 36a	Chainage: 36.321 (km)
1) Bridge Name/ no: 67_C & B Bridge	2) Road Name: Charkhali-Tushkhali-Mathbaria-pathorghata	3) Date : 25-11-2013	4) GPS Data: Lt.22°12'37.072" Lon.89°57'59.317"
5) Road Category: Z-8701	6) Bridge Width: 4.30m Carriage Width: 3.40m	7) Bridge Type: Bailey With Steel Deck	8) Bridge length: 25.0m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 4.00m	11) Sub structure information -Type:	12) River information: -Approx river width: 10.0m -Approx. river water level: 3.0m from deck -Approx. river depth: 5.80m from deck
13) Year of Construction(if possible):	14) Load Limit(if possible):	-Approx. height:	

Consultant: Oriental Consultants Co. Ltd.	Scale: 1:1400	Name of Engineer/Surveyor: Azad	Surveyed by: SURVEY2000
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Photo Sheet of the Bridge 1/2

APPENDIX 2-1

Zone : Barisal	Division (Sub-division) : Barguna	LRP : 36 a	Chainage : 36.321 km
1) Bridge Name : 67_C & B Bridge	2) Road Name : Rajapur -Pathorghata	3) Date & Time : 25.11.2013_3.35 pm	4) GPS Data : Latitude 22°12'37.072" Longitude 89°57'59.317"
Photo of the Bridge			
<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>	

Photo Sheet of the Bridge 2/2

APPENDIX 2-2

Zone : Barisal	Division (Sub-division) : Barguna	LRP : 36 a	Chainage : 36.321 km
1) Bridge Name : 67_C & B Bridge	2) Road Name : Rajapur -Patharghata	3) Date & Time : 25.11.2013_3.35 pm	4) GPS Data : Latitude 22°12'37.072" Longitude 89°57'59.317"

Photo of the Bridge



Bridge and Road Specifications

Zone: Barisal		Division(Subdivision): Patukhali		LRP: 198c		Chainage: 197.413 (km)	
1) Bridge Name/ No: 68- Telikhalir Bridge		2) Road Name : Dhaka- Barisal- Patuakhali Road		3) Date : 27-11-2013		4) GPS Data: Lt:22°23'48.772"Lon:90°19'12.469"	
5) Road Category: N-8		6) Bridge Width: 7.6m Carriageway Width: 6.8m		7) Bridge Type: RCC Grider Bridge		8) Bridge length: 79.4m	
9) Bridge Span Arrangement: Three Span		10) Approach Road Width: 10.0m		11) Sub structure information -Type: -Approx. height:		12) River information: -Approx river width: 50.0m -Approx.river water level: 8.5m from deck -Approx.river depth: 12.0m from deck	
13) Year of Construction(if possible):		14) Load Limit(if possible):					

Scale: 1:1400

Name of Engineer/Surveyor: Md. Tutul

Surveyed by: SURVEY2000

Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 198c		Chainage : 197.413 km	
1) Bridge Name : 68-Telikhalir Bridge		2) Road Name : DakhaTo Patuakhali		3) Date & Time : 27-11-213 / 11:20am		4) GPS Data : Latitude : 22 ° 23 ' 48.772 " Longitude : 90 ° 19 ' 12.469 "	
Photo of the Bridge							
Photo ①		Photo ②		Photo ③			
Photo ④				Photo ⑤			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) : Patuakhali	LRP : 198c	Chainage : 197.413 km
1) Bridge Name : 68-Telikhalir Bridge	2) Road Name : DakhaTo Patuakhali	3) Date & Time : 27-11-213 / 11:20am	4) GPS Data : Latitude: 22 ° 23 ' 48.772 " Longitude: 90 ° 19 ' 12.469 "
Photo of the Bridge			
			
			





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)

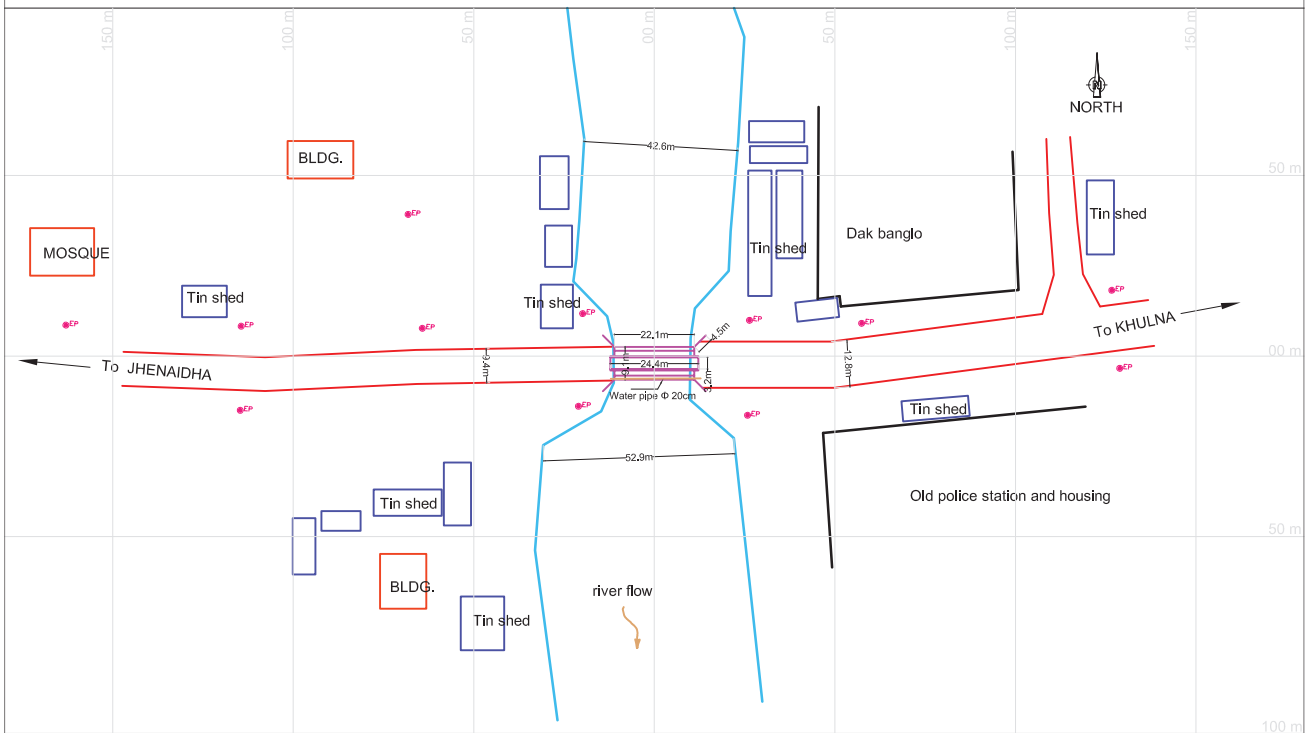
Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 198c		Chainage : 197.413 km	
1) Bridge Name : 68-Telikhalir Bridge		2) Road Name : DakhaTo Patuakhali		3) Date & Time : 27-11-213 / 11:20am		4) GPS Data : Latitude: 22 ° 23 ' 48.772 " Longitude: 90 ° 19 ' 12.469 "	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	Slab, Girder, Pier, Abutment, /Wing Wall	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 : Barisal		Division (Sub-division) : Patuakhali		LRP : 198c		Chainage : 197.413 km	
1) Bridge Name : 68-Telikhalir Bridge		2) Road Name : DakhaTo Patuakhali		3) Date & Time : 27-11-213 / 11:20am		4) GPS Data : Latitude: 22 ° 23 ' 48.772 " Longitude: 90 ° 19 ' 12.469 "	
Damage 5		Damage 6		Damage 7		Damage 8	
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	<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): JESSORE-02	LRP:1a	Chainage: 1.673
1) Bridge Name/ no: 69_Bablatala Bridge	2) Road Name: ; Dauladia-Jessore-Khulna-Mongla(N7)	3) Date & Time:29-11-2013	4)GPS Data:Lat 23°10'33.687",Lon 89°12'23.329"
5) Road Category: N-708	6) Bridge Width:4.00m Carriage Width:3.20m	7) Bridge Type: Baily with steel deck	8)Bridge length: 24.40m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 12.8 m at east & 9.4m at west side	11) Sub structure Information -Type: -Approx. height:	12) River Information: -Approx. river width:50m -Approx. river water level from deck: 5.90m -Approx. river depth from deck: 7.50m
13) Year of Construction(If possible):	14) Load Limit(If possible):		



Consultant: Oriental Consultants Co. Ltd.

Print Scale: 1:1400

Name of Engineer/Surveyor: Md. Tutul

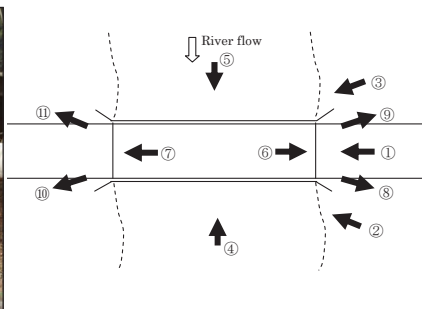
Surveyed by: SURVEY2000

Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna	Division (Sub-division) : Jessore	LRP : 1a	Chainage : 1.673 km
1) Bridge Name: 69_Bablatala Bridge	2) Road Name: Jessore Town Old (Palbari – Monihar)	3) Date & Time : 29.11.13, 3:30pm	4) GPS Data : Latitude: 23°10'33.687" Longitude: 89°12'23.329"

Photo of the Bridge



The photograph of 4 & 5 are missing, but its similar the photograph of 2 & 3 (these pictures are taken by the same side).

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Jessore	LRP : 1a	Chainage : 1.673 km
1) Bridge Name: 69_Bablatala Bridge	2) Road Name: Jessore Town Old (Palbari – Monihar)	3) Date & Time : 29.11.13, 3:30pm	4) GPS Data : Latitude: 23°10'33.687" Longitude: 89°12'23.329"
Photo of the Bridge			
			
			

Photo Sheet of the Bridge 3/3

APPENDIX 3-3


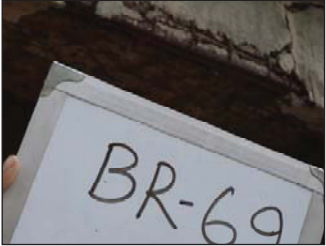
APPENDIX 4

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

Damage of the Bridge (1/2)

Zone : Khulna		Division (Sub-division) : Jessore		LRP : 1a		Chainage : 1.673 km	
1) Bridge Name: 69_Bablatala Bridge		2) Road Name: Jessore Town Old (Palbari – Monihar)		3) Date & Time : 29.11.13, 3:30pm		4) GPS Data : Latitude: 23°10'33.687" Longitude: 89°12'23.329"	
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			

Damage of the Bridge (2/2)

Zone : Khulna		Division (Sub-division) : Jessore		LRP : 1a		Chainage : 1.673 km	
1) Bridge Name: 69_Bablatala Bridge		2) Road Name: Jessore Town Old (Palbari – Monihar)		3) Date & Time : 29.11.13, 3:30pm		4) GPS Data : Latitude: 23° 10'33.687" Longitude: 89° 12'23.329"	
Damage 5		Damage 6		Damage 7		Damage 8	
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	<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): BAGERHAT-2	LRP:246a	Chainage: 264+145
1) Bridge Name/ no: 70_Balai Bridge	2) Road Name: KHULNA MONGLA ROAD(N7)	3) Date & Time:24-11-2013	4) GPS Data :0772179 mE; 2605305 mN
5) Road Category: N-7	6) Bridge Width:9.54m Carriage Width:6.70m	7) Bridge Type: R.C.C Slab Girder	8) Bridge length: 56m
9) Bridge Span Arrangement: Three Span	10) Approach Road Width: 7.0m at east & 6.8m at west side	11) Sub structure information	12) River information: -Approx river width:canal width 26m -Approx river water level from deck: 6.60m -Approx.river depth from deck: 8.20m
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. Mahabub Surveyed by: SURVEY2000

Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna	Division (Sub-division) : Bagerhat-2	LRP : 246a	Chainage : 246.112 km
1) Bridge Name : 70_ Balai Bridge	2) Road Name : Dauladia--Magura--Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time : 24.11.13, 1:20pm	4) GPS Data : Latitude : 22° 34' 23.21" Longitude : 89° 36' 51.208"
Photo of the Bridge			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Bagerhat-2	LRP : 246a	Chainage : 246.112 km
1) Bridge Name : 70_ Balai Bridge	2) Road Name : Dauladia--Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time : 24.11.13, 1:20pm	4) GPS Data : Latitude: 22° 34'23.21" Longitude: 89° 36'51.208"

Photo of the Bridge



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 : 246a		Chainage : 246.112 km	
1) Bridge Name : 70_ Balai Bridge		2) Road Name : Dauladia--Magura-Jhenaidah-Jessore-Khulna-Mongla		3) Date & Time : 24.11.13, 1:20pm		4) GPS Data : Latitude: 22° 34'23.21" Longitude: 89° 36'51.208"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment √Railing	Damage Location	Slab, Girder, Pier, Abutment, √Footpath	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): Kushtia		LRP:043a		Chainage: 44+437	
1) Bridge Name/ no: 71_Churhas Bridge		2) Road Name: : Jhenaidah-Kustia-Paksey		3) Date & Time:04-12-2013		4)GPS Data:Lat 23°53'17.313",Lon 89°06'28.814"	
5) Road Category: N(704)		6) Bridge Width:7.15m Carriage Width:6.60m		7) Bridge Type: R.C.C Slab Girder		8)Bridge length: 31.50m	
9) Bridge Span Arrangement: Three Span		10) Approach Road Width: 7.3m		11) Sub structure Information		12) River Information:	
13) Year of Construction(If possible):1965		14) Load Limit(If possible):		-Type:		-Approx. river width:27m	
				-Approx. height:		-Approx. river water level from deck: 4.50m	
						-Approx. river depth from deck: 6.00m	

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

Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna		Division (Sub-division) : Kushtia		LRP : 43a		Chainage : 44.135	
1) Bridge Name : 71_Chourhas Bridge		2) Road Name : Jhenaidah-Kustia-Paksey Ferry-Dasuria		3) Date & Time : 04.12.13, 3: 40pm		4) GPS Data : Latitude: 23° 53'17.353" Longitude: 89° 6'28.814"	

Photo of the Bridge

Photo ①

Photo ②

Photo ③

Photo ④

River flow ↓ ⑤





Photo ⑤

Zone : Khulna	Division (Sub-division) : Kushtia	LRP : 43a	Chainage : 44.135
1) Bridge Name : 71_Chourhas Bridge	2) Road Name : Jhenaidah-Kustia-Paksey Ferry-Dasuria	3) Date & Time : 04.12.13, 3: 40pm	4) GPS Data : Latitude: 23°53'17.353" Longitude: 89°6'28.814"
Photo of the Bridge			
			
			


Photo Sheet of the Bridge 3/3

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

Damage of the Bridge (1/2)

Zone : Khulna		Division (Sub-division) : Kushtia		LRP : 43a		Chainage : 44.135	
1) Bridge Name : 71_Chourhas Bridge		2) Road Name : Jhenaidah-Kustia-Paksey Ferry-Dasuria		3) Date & Time : 04.12.13, 3: 40pm		4) GPS Data : Latitude: 23°53'17.353" Longitude: 89°6'28.814"	
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			

Damage of the Bridge (2/2)

Zone : Khulna		Division (Sub-division) : Kusthia		LRP : 43a		Chainage : 44.135	
1) Bridge Name : 71_Chourhas Bridge		2) Road Name : Jhenaidah-Kustia-Paksey Ferry-Dasuria		3) Date & Time : 04.12.13, 3: 40pm		4) GPS Data : Latitude: 23° 53'17.353" Longitude: 89° 6'28.814"	
Damage 5		Damage 6		Damage 7		Damage 8	
Damage Location	Slab, Girder, Pier, Abutment, √Railing	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): Kushiya	LRP: 27b	Chainage: 28.708(km)
1) Bridge Name/ no: 72-Bittipara Bridge	2) Road Name: Jhenaidah-Kushiya	3) Date :04-12-2013	4) GPS Data: Lt.23°45'47.388" Lon.89°7'9.677"
5) Road Category: N-704	6) Bridge Width: 7.30m Carriage Width: 6.70m	7) Bridge Type: R.C.C Girder Bridge	8) Bridge length: 33.50m
9) Bridge Span Arrangement: Three Span	10) Approach Road Width: 7.00m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 23.00m -Approx.river water level: 0.00m from deck -Approx.river depth: 5.80m from deck
13) Year of Construction(if possible): 1965	14) Load Limit(if possible):		

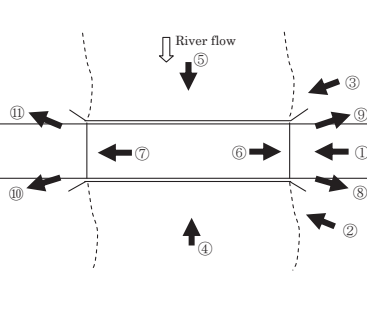
Consultant: Oriental Consultants Co. Ltd. Scale: 1:1400 Name of Engineer/Surveyor: Md. Mahbur Rahman Surveyed by: SURVEY2000

Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna	Division (Sub-division) : Kushiya	LRP : 27b	Chainage : 28.708 km
1) Bridge Name : 72_Bittipara Bridge	2) Road Name : Jhenaidah-Kustia-Paksey Ferry-Dasuria	3) Date & Time : 04.12.13, 11:10am	4) GPS Data : Latitude: 23°45'47.388" Longitude: 89°7'9.677"

Photo of the Bridge



Zone : Khulna	Division (Sub-division) : Kushtia	LRP : 27b	Chainage : 28.708 km
1) Bridge Name : 72_Bittipara Bridge	2) Road Name : Jhenaidah-Kustia-Paksey Ferry-Dasuria	3) Date & Time : 04.12.13, 11:10am	4) GPS Data : Latitude: 23° 45'47.388" Longitude: 89° 7'9.677"

Photo of the Bridge





Photo Sheet of the Bridge 3/3

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

Damage of the Bridge (1/2)

Zone : Khulna		Division (Sub-division) : Kushtia		LRP : 27b		Chainage : 28.708 km	
1) Bridge Name : 72_Bittipara Bridge		2) Road Name : Jhenaidah-Kustia-Paksey Ferry-Dasuria		3) Date & Time : 04.12.13, 11:10am		4) GPS Data : Latitude: 23° 45'47.388" Longitude: 89° 7'9.677"	
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							

Damage of the Bridge (2/2)

Zone : Khulna		Division (Sub-division) : Kusthia		LRP : 27b		Chainage : 28.708 km	
1) Bridge Name : 72_Bittipara Bridge		2) Road Name : Jhenaidah-Kustia-Paksey Ferry-Dasuria		3) Date & Time : 04.12.13, 11:10am		4) GPS Data : Latitude: 23° 45'47.388" Longitude: 89° 7'9.677"	
Damage 5		Damage 6		Damage 7		Damage 8	
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	<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): Jhenaidah	LRP: Sd	Chainage: 0.508(km)
1) Bridge Name/ no: 73-Dhopa Ghata Bridge	2) Road Name: Jhenaidah Town Old Section	3) Date :02-12-2013	4) GPS Data: Lt.23°32'39.635" Lon.89°11'6.097"
5) Road Category: N_703	6) Bridge Width: 6.10m Carriage Width: 5.50m	7) Bridge Type: R.C.C Girder Bridge	8) Bridge length: 134.50m
9) Bridge Span Arrangement: Eight Span	10) Approach Road Width: 8.20m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 66m -Approx river water level: 7.20m from deck -Approx river depth: 9.20m from deck
13) Year of Construction(if possible): 1943	14) Load Limit(if possible):		

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) : Jhenaidah	LRP : sd	Chainage : 0.508 km
1) Bridge Name: 73_Dhopa Ghata Bridge	2) Road Name: Jhenaidah Town Section	3) Date & Time : 02.12.13, 11:30am	4) GPS Data : Latitude: 23° 32' 39.635" Longitude: 89° 11' 6.097"
Photo of the Bridge			
<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) : Jhenaidah	LRP : sd	Chainage : 0.508 km
1) Bridge Name: 73_Dhopa Ghata Bridge	2) Road Name: Jhenaidah Town Section	3) Date & Time : 02.12.13, 11:30am	4) GPS Data : Latitude: 23°32'39.635" Longitude: 89°11'6.097"
Photo of the Bridge			
			
			





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) : Jhenaidah		LRP : sd		Chainage : 0.508	
1) Bridge Name:73_Dhopa Ghata Bridge		2) Road Name: Jhenaidah Town Section		3) Date & Time : 02.12.13, 11:30am		4) GPS Data : Latitude: 23°32'39.635" Longitude: 89°11'6.097"	
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							

Damage of the Bridge (2/2)

Zone : Khulna		Division (Sub-division) : Jhenaidah		LRP : sd		Chainage : 0.508 km	
1) Bridge Name:73_ Dhopa Ghata Bridge		2) Road Name: Jhenaidah Town Section		3) Date & Time : 02.12.13, 11:30am		4) GPS Data : Latitude: 23° 32'39.635" Longitude: 89° 11'6.097"	
Damage 5		Damage 6		Damage 7		Damage 8	
Damage Location	Slab, Girder, Pier, Abutment, √Railing	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							

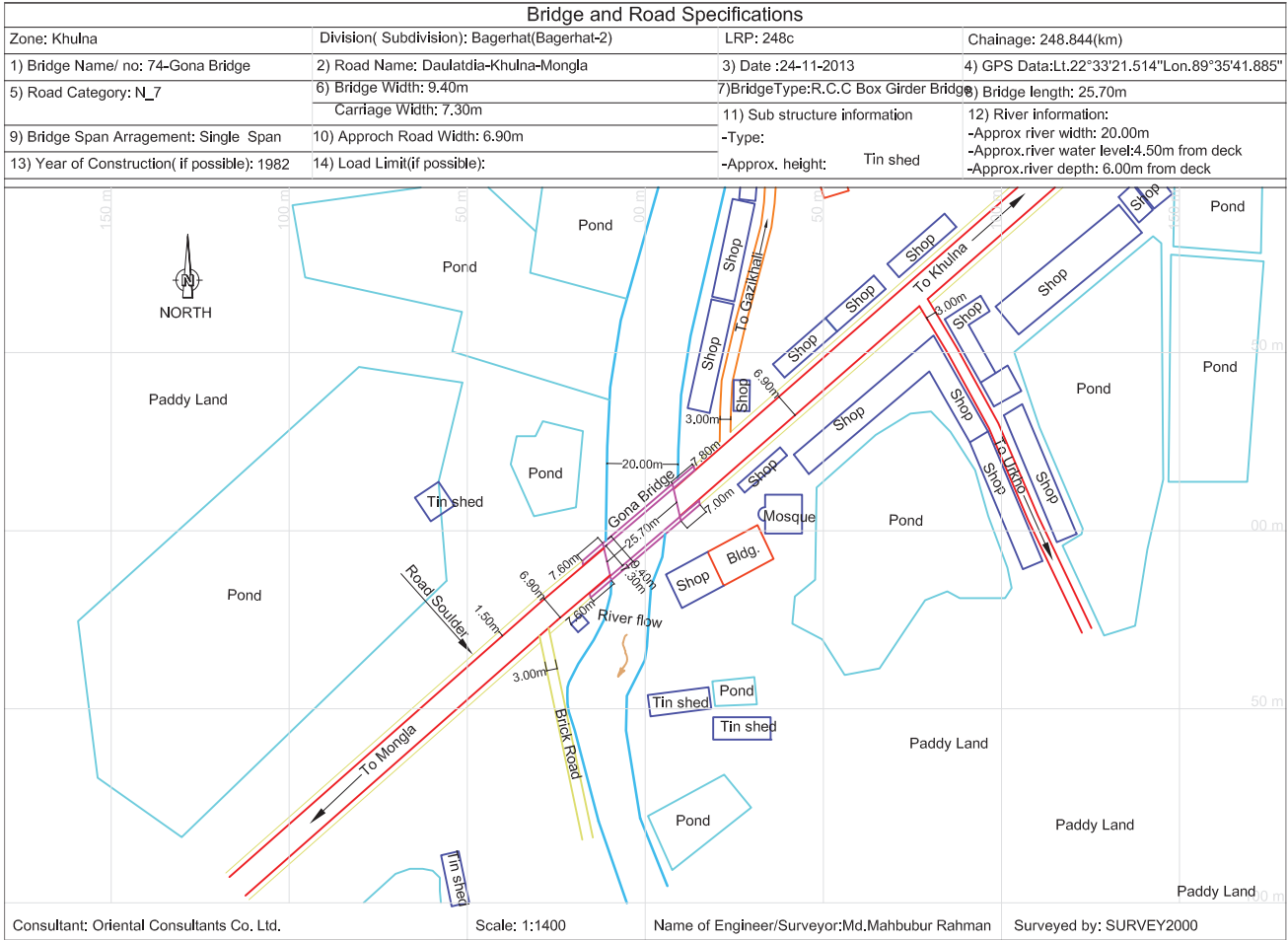


Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Khulna	Division (Sub-division) : Bagerhat-2	LRP : 248C	Chainage : 248.844 km
1) Bridge Name : 74_Gona Bridge	2) Road Name : Dauladia -Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time : 24.11.13, 2:20pm	4) GPS Data : Latitude: 22° 33' 21.514" Longitude: 89° 35' 41.885"

Photo of the Bridge

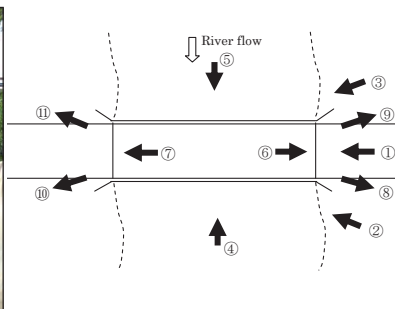


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Bagerhat-2	LRP : 248C	Chainage : 248.844 km
1) Bridge Name : 74_Gona Bridge	2) Road Name : Dauladia- -Magura- Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time : 24.11.13, 2:20pm	4) GPS Data : Latitude: 22° 33' 21.514" Longitude: 89° 35' 41.885"

Photo of the Bridge



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-2		LRP : 248C		Chainage : 248.844 km	
1) Bridge Name : 74_Gona Bridge		2) Road Name : Dauladia- -Magura- Jhenaidah-Jessore-Khulna-Mongla		3) Date & Time : 24.11.13, 2:20pm		4) GPS Data : Latitude: 22° 33' 21.514" Longitude: 89° 35' 41.885"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, JAbutment	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							