

### Bridge and Road Specifications

Zone: Barisal	Division( Subdivision): Barisal (Patuakhali)	LRP: 51a	Chainage:51.524(km)
1) Bridge Name/ No:22- Kaplabunia Bridge	2) Road Name: Lebukhali- Galachipa- Amragachhia Road	3) Date : 30-11-2013	4) GPS Data: Lt:22°13'20.672" Lon:90°31'46.594"
5) Road Category: Z-8806	6) Bridge Width: 4.10m Carriageway Width: 3.40m	7) Bridge Type: Bailey with steel deck	8) Bridge length: 25.40m
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: 17.6m -Approx.river water level: 2.74m from deck -Approx.river depth:4.54m 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 : 51a	Chainage : 51.524 km
1) Bridge Name : 22-Kaplabunia Bailey Bridge	2) Road Name:Lebukhali To Amragachhia	3) Date & Time : 30-11-2013; 8:10am	4) GPS Data : Latitude: 22 ° 13 ' 20.672 " Longitude: 90 ° 31 ' 46.594 "

**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) : Patukhali	LRP : 51a	Chainage : 51.524 km
1) Bridge Name : 22-Kaplabunia Bailey Bridge	2) Road Name:Lebukhali To Amragachhia	3) Date & Time : 30-11-2013; 8:10am	4) GPS Data : Latitude: 22 ° 13 ' 20.672 " Longitude: 90 ° 31 ' 46.594 "
<b>Photo of the Bridge</b>			
			
			




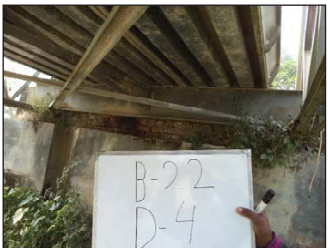
Photo Sheet of the Bridge 3/3

APPENDIX 3-3




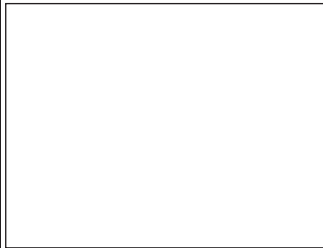
APPENDIX 4

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

Damage of the Bridge (1/2)

Zone : Barisal		Division (Sub-division) : Patukhali		LRP : 51a		Chainage : 51.524 km	
1) Bridge Name : 22-Kaplabunia Bailey Bridge		2) Road Name:Lebukhali To Amragachhia		3) Date & Time : 30-11-2013; 8:10am		4) GPS Data : Latitude: 22 ° 13 ' 20.672 " Longitude: 90 ° 31 ' 46.594 "	
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 : Barisal		Division (Sub-division) : Patukhali		LRP : 51a		Chainage : 51.524 km	
1) Bridge Name : 22-Kaplabunia Bailey Bridge		2) Road Name:Lebukhali To Amragachhia		3) Date & Time : 30-11-2013; 8:10am		4) GPS Data : Latitude: 22 ° 13 ' 20.672 " Longitude: 90 ° 31 ' 46.594 "	
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: Barisal	Division( Subdivision): Patukhali	LRP: 46a	Chainage: 46.376(km)
1) Bridge Name/ No:23-Arozebagi Bridge	2) Road Name: Lebukhali- Galachipa- Amragachhia Road	3) Date : 30-11-2013	4) GPS Data: Lt: 22°15'6.867" Lon: 90°33'6.818"
5) Road Category: Z-8806	6) Bridge Width: 4.10m Carriageway Width: 3.50m	7) Bridge Type: Bailey with steel deck	8) Bridge length: 21.50m
9) Bridge Span Arrangement: Singel Span	10) Approach Road Width: 5.60m	11) Sub structure information	
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. Azad
			Surveyed by: SURVEY2000

### Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Barisal	Division (Sub-division) : Patuakhali	LRP : 46a	Chainage : 46.376 km
1) Bridge Name: 23-Arozebgi Bridge	2) Road Name : Lebukhali-Amragachhia	3) Date & Time : 30-11-2013 / 11:15am	4) GPS Data : Latitude: 22 ° 15 ' 6.867 " Longitude: 90 ° 33 ' 6.818 "
<b>Photo of the Bridge</b>			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) :Patuakhali	LRP : 46a	Chainage : 46.376 km
1) Bridge Name: 23-Arozebgj Bridge	2) Road Name : Lebukhali-Amragachhia	3) Date & Time : 30-112013 / 11:15am	4) GPS Data : Latitude: 22 ° 15 ' 6.867 " Longitude: 90 ° 33 ' 6.818 "
<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 : Barisal		Division (Sub-division) :Patuakhali		LRP : 46a		Chainage : 46.376 km	
1) Bridge Name: 23-Arozebgj Bridge		2) Road Name : Lebukhali-Amragachhia		3) Date & Time : 30-112013 / 11:15am		4) GPS Data : Latitude: 22 ° 15 ' 6.867 " Longitude: 90 ° 33 ' 6.818 "	
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 (missing angle)	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 : 46a		Chainage : 46.376 km	
1) Bridge Name: 23-Arozebgj Bridge		2) Road Name : Lebukhali-Amragachhia		3) Date & Time : 30-11-2013 / 11:15am		4) GPS Data : Latitude: 22 ° 15 ' 6.867 " Longitude: 90 ° 33 ' 6.818 "	
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 (missing angle)	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							

Damage of the Bridge (2/2)

Zone : Barisal		Division (Sub-division) :Patuakhali		LRP : 46a		Chainage : 46.376 km	
1) Bridge Name: 23-Arozebgj Bridge		2) Road Name : Lebukhali-Amragachhia		3) Date & Time : 30-11-2013 / 11:15am		4) GPS Data : Latitude: 22 ° 15 ' 6.867 " Longitude: 90 ° 33 ' 6.818 "	
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 (missing angle)	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): Patuakhali	LRP: 33a	Chainage:33.064
1) Bridge Name/ no: 24 - Bosra Bridge	2) Road Name: Labukhali - Kalaiya - Amragachia	3)Date &Time:30-11-2013	4)GPS Data :Lat.22°21'10.596"Lon,90°34'39.671"
5) Road Category: Z- 8806	6) Bridge Width:3.1m Carriageway Width: 2.7m	7) Bridge Type:R.C.C Girder Bridge	8) Bridge length: 23.2m
9) Bridge Span Arrangement: Three Span	10) Approach Road Width: 3.9m South & 3.7m North Side	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 15.0m -Approx.river water level: 3.3m from deck -Approx.river depth: 5.20m 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) : Patuakhali	LRP : 33a	Chainage : 33.064 km
1) Bridge Name : 24-Bosra Bridge	2) Road Name:ebukhali To Amragachhia	3) Date & Time :30-11-2013 / 01:30pm	4) GPS Data : Latitude: 22 ° 21 ' 10.596 " Longitude: 90 ° 34 ' 39.671 "
<b>Photo of the Bridge</b>			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2




Zone : Barisal	Division (Sub-division) : Patuakhali	LRP : 33a	Chainage : 33.064 km
1) Bridge Name : 24-Bosra Bridge	2) Road Name : ebukhali To Amragachhia	3) Date & Time :30-11-2013/01:30pm	4) GPS Data : Latitude: 22 ° 21 ' 10.596 " Longitude: 90 ° 34 ' 39.671 "
<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 (1/3)

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 33a		Chainage : 33.064 km	
1) Bridge Name : 24-Bosra Bridge		2) Road Name : ebukhali To Amragachhia		3) Date & Time :30-11-2013 / 01:30pm		4) GPS Data : Latitude: 22 ° 21 ' 10.596 " Longitude: 90 ° 34 ' 39.671 "	
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, /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 ( ) <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 (2/3)

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 33a		Chainage : 33.064 km	
1) Bridge Name : 24-Bosra Bridge		2) Road Name : ebukhali To Amragachhia		3) Date & Time :30-11-2013 / 01:30pm		4) GPS Data : Latitude: 22 ° 21 ' 10.596 " Longitude: 90 ° 34 ' 39.671 "	
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, /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 ( ) <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 (3/3)

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 33a		Chainage : 33.064 km	
1) Bridge Name : 24-Bosra Bridge		2) Road Name : ebukhali To Amragachhia		3) Date & Time :30-11-2013 / 01:30pm		4) GPS Data : Latitude: 22 ° 21 ' 10.596 " Longitude: 90 ° 34 ' 39.671 "	
Damage		Damage 1		Damage 11		Damage 12	
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	<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): Patuakhali	LRP: 29b	Chainage: 28.727 km
1) Bridge Name/ no:25- Langra munshir Bridge	2) Road Name: Lebukhali - Dumki - Amragachia	3) Date : 30.11.2013.	4)GPS Data :Lat.22°23'21.803" Lon.90°29'1.078"
5) Road Category: Z - 8806	6) Bridge Width:5.0m Carriageway Width: 4.0m	7) Bridge Type:BaileyWithSteelDeck	8) Bridge length: 30.9m
9) Bridge Span Arrangement: Three Span	10) Approach Road Width: 5.0m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 19.0m -Approx.river water level: 3.6m from deck -Approx.river depth: 5.3m 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

**Photo Sheet of the Bridge 1/3**

APPENDIX 3-1

Zone : Barisal	Division (Sub-division): Patuakhali	LRP : 29b	Chainage : 28.727 km
1) Bridge Name: 25-Langra Munshir Bridge	2) Road Name : Lebukhali-Amragachhia	3) Date & Time : 30-11-2013; 03:30pm	4) GPS Data : Latitude:22 °23 '21.803 " Longitude: 90 ° 29 ' 1.078 "

**Photo of the Bridge**

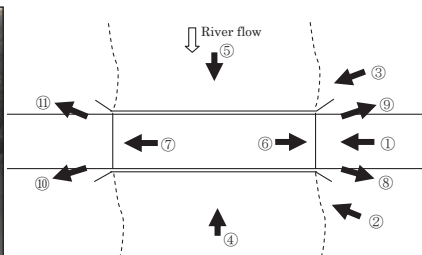


Photo Sheet of the Bridge 2/3

APPENDIX 3-2







Zone : Barisal	Division (Sub-division): Patuakhali	LRP : 29b	Chainage : 28.727 km
1) Bridge Name: 25-Langra Munshir Bridge	2) Road Name : Lebukhali-Amragachhia	3) Date & Time : 30-112013; 03:30pm	4) GPS Data : Latitude:22 °23 '21.803 " Longitude: 90 ° 29 ' 1.078 "
<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 : Barisal		Division (Sub-division): Patuakhali		LRP : 29b		Chainage : 28.727 km	
1) Bridge Name: 25-Langra Munshir Bridge		2) Road Name : Lebukhali-Amragachhia		3) Date & Time : 30-112013; 03:30pm		4) GPS Data : Latitude:22 °23 '21.803 " Longitude: 90 ° 29 ' 1.078 "	
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):Pirojur (kawkhali)	LRP:28e	Chainage:28.733(km)
1) Bridge Name/ No: 26_Tiki Kata Steel Bridge	2) Road Name:Charkhali - Mathbaria -Patharghata Road	3) Date : 26-11-2013	4) GPS Data: Lt:22°16'31.914" Ln:89°57'54.596"
5) Road Category: Z-8701	6) Bridge Width: 4.20m Carriageway Width: 3.50m	7) Bridge Type: Bailey with steel deck	8) Bridge length: 37.0m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 4.00m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 20m -Approx.river water level:3.80m from deck -Approx.river depth:6.20m 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

**Photo Sheet of the Bridge 1/3**

APPENDIX 3-1





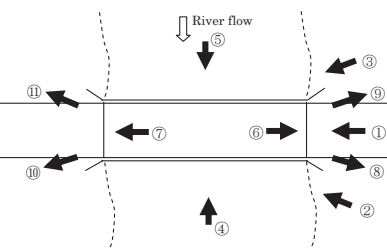

Zone : Barisal	Division (Sub-division) : Kawkhali	LRP : 28e	Chainage : 28.733
1) Bridge Name : 26-Purbo Sanar TikiKata Steel Bridge	2) Road Name : Charkhali-atharghata	3) Date & Time : 26.11.2013 -08:05 am	4) GPS Data : Latitude 22° 16'31.914" Longitude 89° 57'54.596"
<b>Photo of the Bridge</b>			
			
			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal		Division (Sub-division) : Kawkhali		LRP : 28e		Chainage : 28.733	
1) Bridge Name : 26-Purbo Sanar TikiKata Steel Bridge		2) Road Name : Charkhali-atharghata		3) Date & Time : 26.11.2013 -08:05 am		4) GPS Data : Latitude 22° 16'31.914" Longitude 89° 57'54.596"	
<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 : Barisal		Division (Sub-division) : Kawkhali		LRP : 28e		Chainage : 28.733	
1) Bridge Name : 26-Purbo Sanar TikiKata Steel Bridge		2) Road Name : Charkhali-atharghata		3) Date & Time : 26.11.2013 -08:05 am		4) GPS Data : Latitude 22° 16'31.914" Longitude 89° 57'54.596"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	vSlab, 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, vDeformed 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							

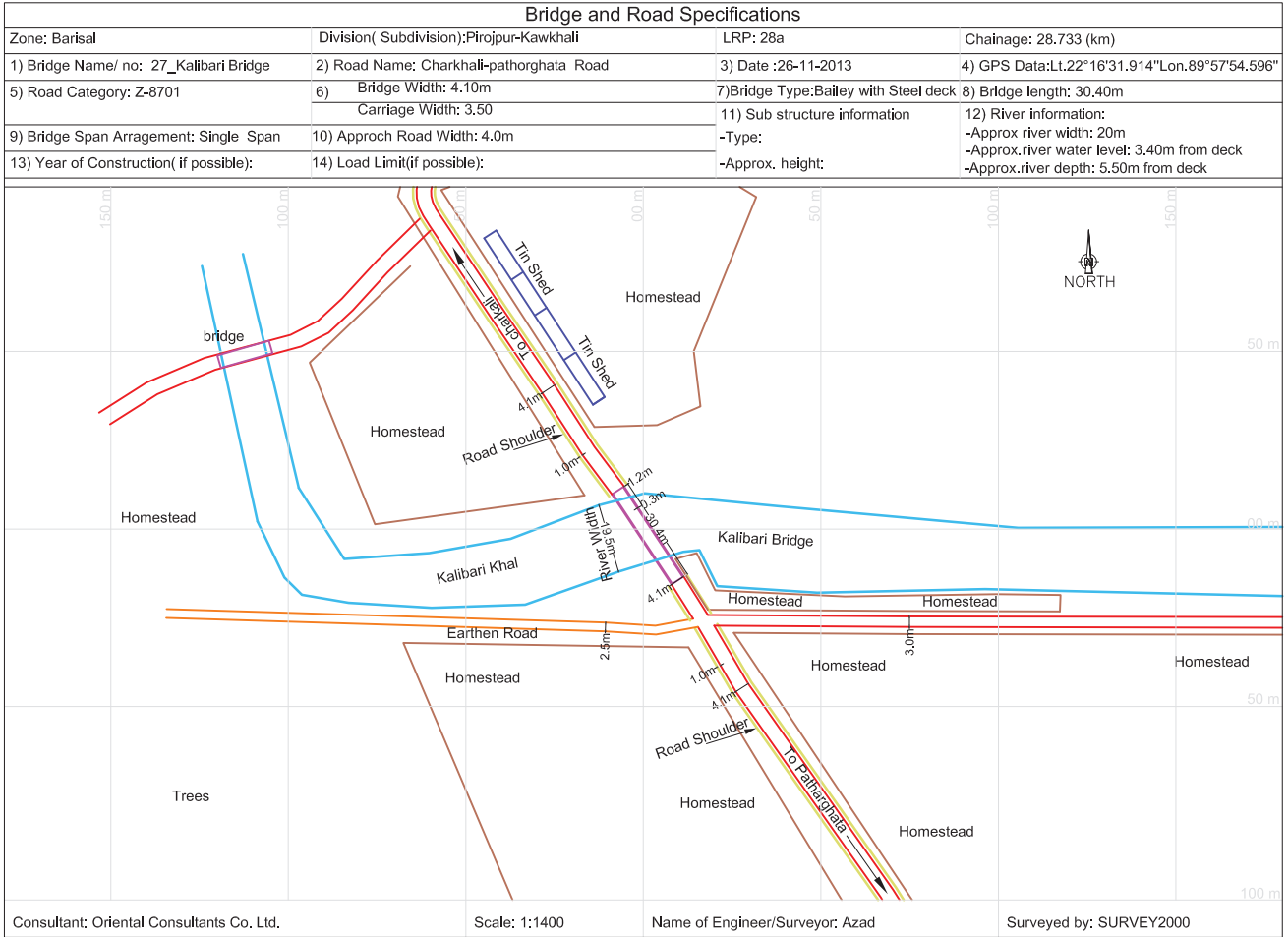


Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Barisal	Division (Sub-division) :Pirojpur / Kawkhali	LRP : 28a	Chainage : 27.721 km
1) Bridge Name: 27-KaliBari Bridge	2) Road Name : Charkhali Pathorghata	3) Date & Time : 26.11.2013 10.0am	4) GPS Data : Latitude 22° 16'58.249" Longitude 89° 57'35.88"

Photo of the Bridge

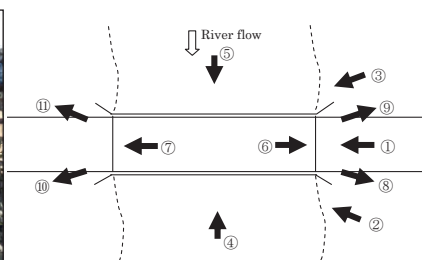


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) :Pirojpur / Kawkhali	LRP : 28a	Chainage : 27.721 km
1) Bridge Name: 27-KaliBari Bridge	2) Road Name : Charkhali Patharghata	3) Date & Time : 26.11.2013 10.0am	4) GPS Data : Latitude 22° 16'58.249" Longitude 89° 57'35.88"
<b>Photo of the Bridge</b>			
			
			

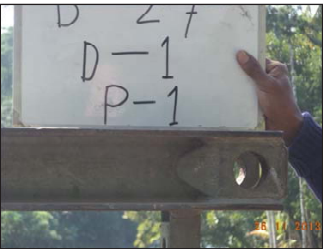

Photo Sheet of the Bridge 3/3

APPENDIX 3-3

APPENDIX 4

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

Damage of the Bridge (1/1)

Zone : Barisal		Division (Sub-division) :Pirojpur / Kawkhali		LRP : 28a		Chainage : 27.721 km	
1) Bridge Name: 27-KaliBari Bridge		2) Road Name : Charkhali Patharghata		3) Date & Time : 26.11.2013 10.0am		4) GPS Data : Latitude 22° 16'58.249" Longitude 89° 57'35.88"	
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	<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): Pirojpur (kawkhali)	LRP: 27a	Chainage: 27.006(km)
1) Bridge Name/ No:28-Sadar RoadHigh School	2) Road Name: Charkhali- Patharghata Road	3) Date : 26-11-2013	4) GPS Data: Lt:22°17'18.581"Lon:89°57'32.782"
5) Road Category: Z-8701	6) Bridge Width: 4.00m Carriageway Width: 3.30m	7) Bridge Type: Bailey with steel deck	8) Bridge length: 30.50m
9) Bridge Span Arrangement: Singel Span	10) Approach Road Width: 4.20m	11) Sub structure information -Type:	12) River information: -Approx river width: 13m -Approx.river water level: 5.00m from deck -Approx.river depth:7.70m 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: Md. Azad
		Surveyed by: SURVEY2000

### Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Barisal	Division (Sub-division) : Pirojpur / Kawkhali	LRP : 27a	Chainage : 27.006 km
1) Bridge Name : 28-Sadar Road high School Bridge	2) Road Name : Charkhali-Patharghata	3) Date & Time : 26.11.2013-12:30 pm	4) GPS Data : Latitude 22° 17'18.581" Longitude 89° 57'32.782"
<b>Photo of the Bridge</b>			

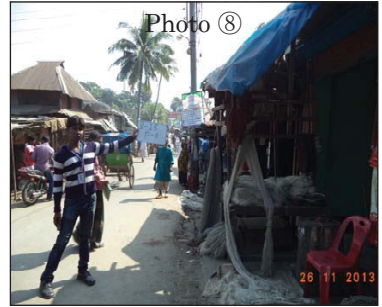


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) : Pirojpur / Kawkhali	LRP : 27a	Chainage : 27.006 km
1) Bridge Name : 28-Sadar Road high School Bridge	2) Road Name : Charkhali-Patharghata	3) Date & Time : 26.11.2013-12:30 pm	4) GPS Data : Latitude 22° 17'18.581" Longitude 89° 57'32.782"

Photo of the Bridge



**Bridge and Road Specifications**

Zone: Barisal	Division( Subdivision):Pirojpur-Kawkhali	LRP: 26a	Chainage: 26.065 (km)
1) Bridge Name/ no: 29_Bahertola Bridge	2) Road Name: Charkhali-pathorghata Road	3) Date :26-11-2013	4) GPS Data: Lt.22°17'42.867" Lon.89°57'12.379"
5) Road Category: Z-8701	6) Bridge Width: 3.90m Carriage Width: 3.20m	7) Bridge Type: Bailey with Steel deck	8) Bridge length: 22.0m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 4.0m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 11m -Approx. river water level: 3.90m from deck -Approx. river depth: 2.20m from deck
13) Year of Construction( if possible):	14) Load Limit( if possible):		

The map shows the bridge crossing the Baherata khal river. Key features include:
 

- Roads:** To Charkhali (1.5 km), To Machua (1.5 km), To Mahabari (1.0 km), To Mahrata (1.0 km).
- Structures:** Shop Shed (multiple), Big, Mosque, Baherata khal, Bayratala Bridge.
- Distances:** 8.9m, 22.0m, 3.90m, 4.0m.
- Scale:** 1:1400
- North Arrow:** Indicated on the right side.

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 1/3**

APPENDIX 3-1

Zone : Barisal	Division (Sub-division) : Pirojpur Kawkhali	LRP : 26a	Chainage : 26.065 km
1) Bridge Name : 29-Baherata Bridge	2) Road Name : Charkhali Patharghata	3) Date & Time :26.11.2013-12:00 pm	4) GPS Data : Latitude 22° 17'42.867" Longitude 89° 57'12.379"
<b>Photo of the Bridge</b>			
 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 : Barisal	Division (Sub-division) : Pirojpur Kawkhali	LRP : 26a	Chainage : 26.065 km
1) Bridge Name : 29-Baheratola Bridge	2) Road Name : Charkhali Patharghata	3) Date & Time :26.11.2013-12:00 pm	4) GPS Data : Latitude22°17'42.867" Longitude 89°57'12.379"
<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 : Barisal		Division (Sub-division) : Pirojpur Kawkhali		LRP : 26a		Chainage : 26.065 km	
1) Bridge Name : 29-Baheratola Bridge		2) Road Name : Charkhali Patharghata		3) Date & Time :26.11.2013-12:00 pm		4) GPS Data : Latitude22°17'42.867" Longitude 89°57'12.379"	
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 ( )	<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							

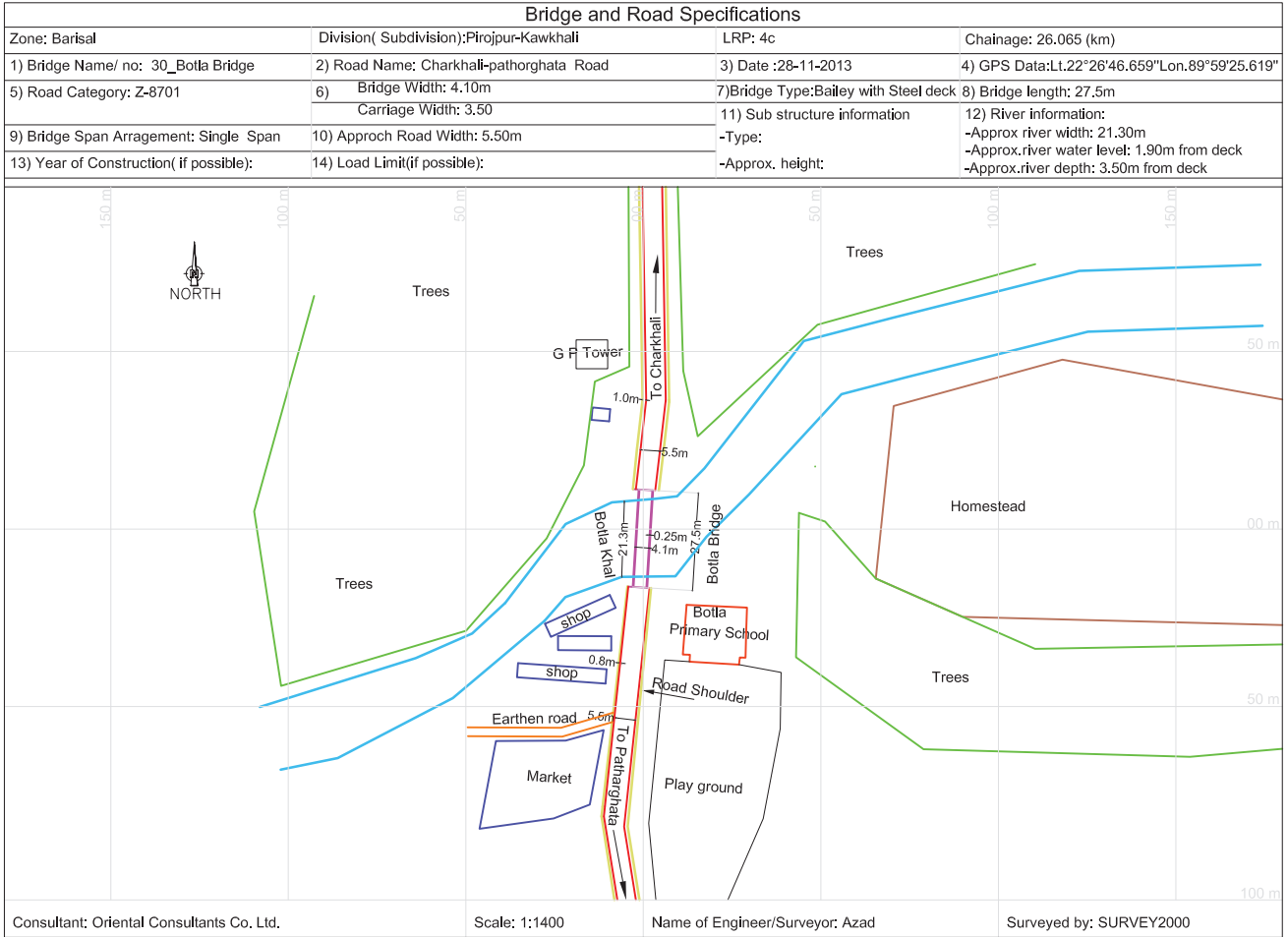


Photo Sheet of the Bridge 1/3

PPENDIX 3-1

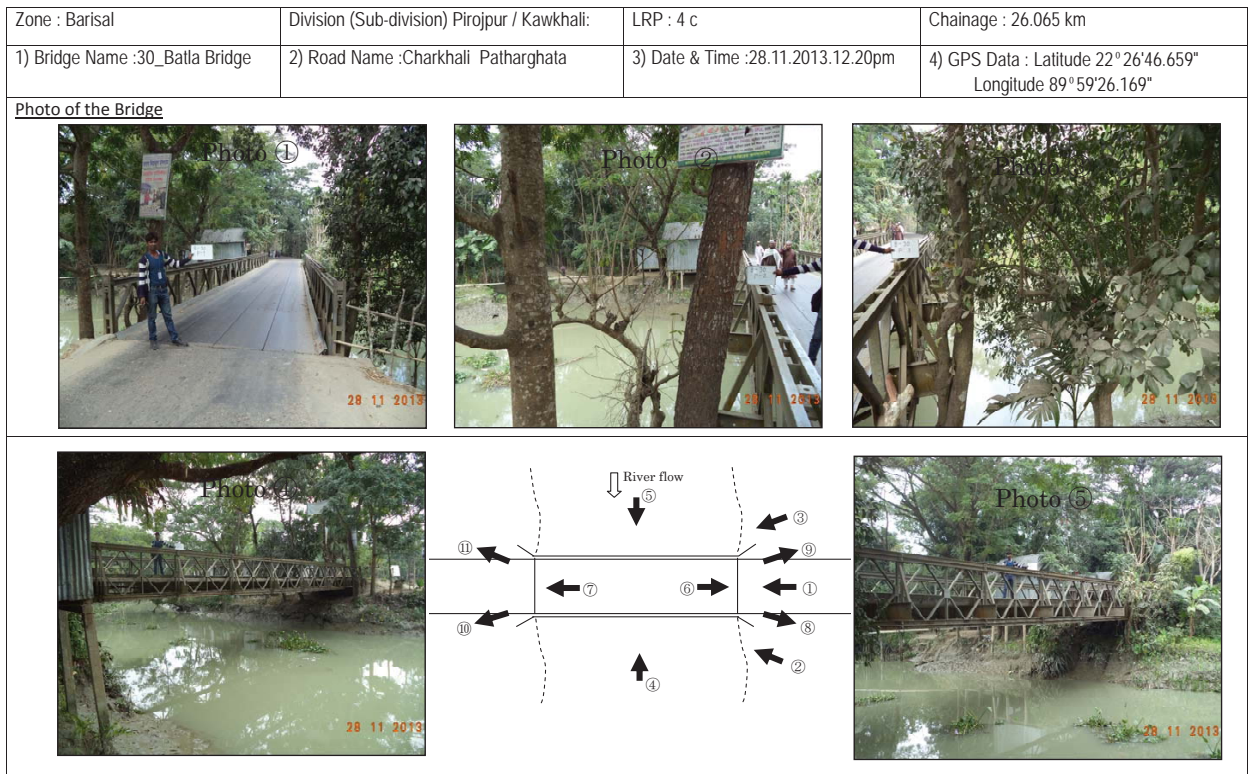


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) Pirojpur / Kawkhali:	LRP : 4 c	Chainage : 26.065 km
1) Bridge Name :30_Batla Bridge	2) Road Name :Charkhali Patharghata	3) Date & Time :28.11.2013.12.20pm	4) GPS Data : Latitude 22° 26'46.659" Longitude 89° 59'26.169"

Photo of the Bridge



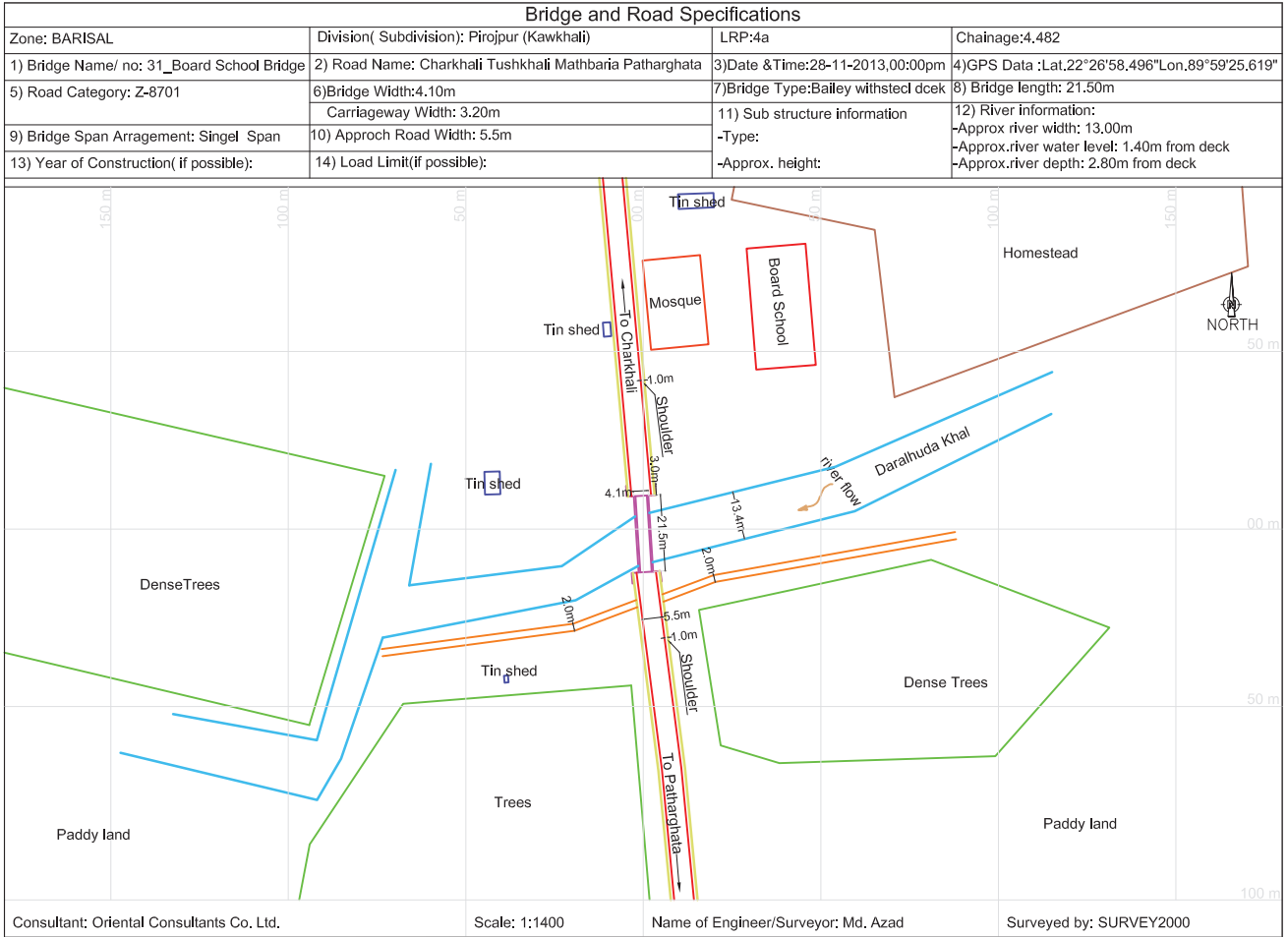


Photo Sheet of the Bridge 1/3

APPENDIX 3-1

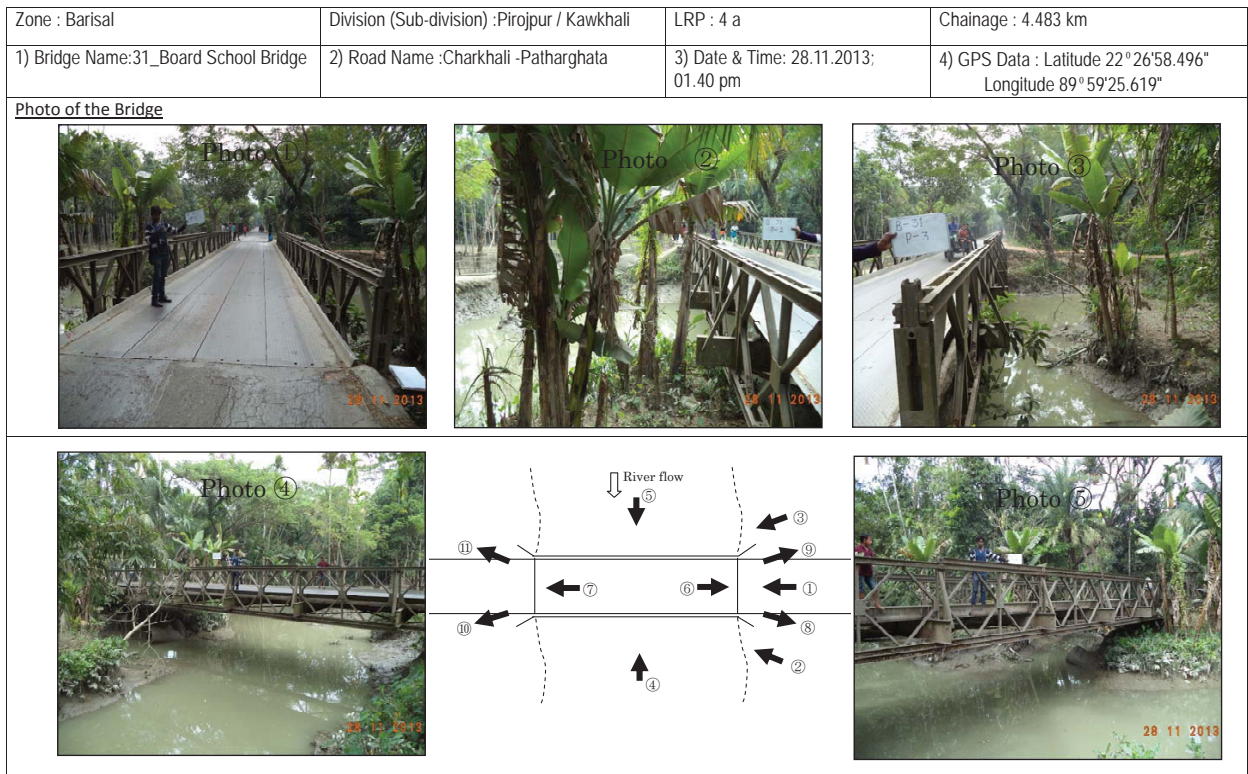


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal		Division (Sub-division) :Pirojpur / Kawkhali		LRP : 4 a		Chainage : 4.483 km	
1) Bridge Name:31_Board School Bridge		2) Road Name :Charkhali -Patharghata		3) Date & Time: 28.11.2013; 01.40 pm		4) GPS Data : Latitude 22° 26'58.496" Longitude 89° 59'25.619"	
<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 : Barisal		Division (Sub-division) :Pirojpur / Kawkhali		LRP : 4 a		Chainage : 4.483 km	
1) Bridge Name:31_Board School Bridge		2) Road Name :Charkhali -Patharghata		3) Date & Time: 28.11.2013; 01.40 pm		4) GPS Data : Latitude 22° 26'58.496" Longitude 89° 59'25.619"	
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 ( √Iron )	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others ( ) <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ( √Iron )	<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:							