

Bridge and Road Specifications

Zone: Barisal	Division(Subdivision): Pirojpur (Kawkhali)	LRP: Sb	Chainage: 0.41 km
1) Bridge Name/no:32-Charkhali Hetalia Bridge	2) Road Name: Charkhali - Mathbaria - Patharghata	3) Date : 28.11.2013.	4) GPS Data : Lat.22°29'8.151" Lon.89°59'42.215"
5) Road Category: Z - 8701	6) Bridge Width: 6.0m Carriageway Width: 4.4m	7) Bridge Type: Bailey with Steel Deck	8) Bridge length: 52.0m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 5.7m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 40.0m -Approx. river water level: 6.0m from deck -Approx. river depth: 10.6m from deck
13) Year of Construction(if possible):	14) Load Limit(if possible):		

The diagram shows a Bailey bridge with a steel deck crossing the Charkhali Khal. The bridge is 52.0m long. Approach roads are 5.7m wide. Surrounding features include trees, homesteads, a primary school, a madrasa, and shops. A north arrow is present in the top right corner.

Consultant: Oriental Consultants Co. Ltd.	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) :Pirojpur / Kawkhali	LRP : Sb	Chainage : 0.41 km
1) Bridge Name :32_Charkathalia Bridge	2) Road Name :Charkhali -Patharghata	3) Date & Time :28.11.2013. 3.10 pm	4) GPS Data : Latitude 22°29'8.151" Longitude 89°59'42.215"
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 : Barisal	Division (Sub-division) :Pirojpur / Kawkhali	LRP : Sb	Chainage : 0.41 km
1) Bridge Name :32_Charkathalia Bridge	2) Road Name :Charkhali -Patharghata	3) Date & Time :28.11.2013. 3.10 pm	4) GPS Data : Latitude 22°29'8.151" Longitude 89°59'42.215"
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) :Pirojpur / Kawkhali		LRP : Sb		Chainage : 0.41 km	
1) Bridge Name :32_Charkathalia Bridge		2) Road Name :Charkhali -Patharghata		3) Date & Time :28.11.2013. 3.10 pm		4) GPS Data : Latitude 22°29'8.151" Longitude 89°59'42.215"	
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)

Bridge and Road Specifications

Zone: Barisal	Division(Subdivision): Patuakhali	LRP: 003a	Chainage: 3.18 (km)
1) Bridge Name/ no: 33_Soular Bridge	2) Road Name: Bauphal-Bogibhola Road	3) Date :26-11-2013	4) GPS Data: Lt.22°22'50.37"Lon.90°59'42.215"
5) Road Category: Z-8053	6) Bridge Width: 3.90m Carriage Width: 3.50m	7) Bridge Type: Bailey with Steel deck	8) Bridge length: 25m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 3.8m	11) Sub structure information	12) River information:
13) Year of Construction(if possible):	14) Load Limit(if possible):	-Type:	-Approx river width: 16m
		-Approx. height:	-Approx. river water level: 3.25m from deck
			-Approx. river depth: 5.50m from deck

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) : Patuakhali	LRP :003a	Chainage : 3.18 km
1) Bridge Name : 33-Soular Bridge	2) Road Name : Bauphal To(Debirchar)	3) Date & Time : 01-12-2013 / 08:30am	4) GPS Data : Latitude: 22 ° 22 ' 50.37 " Longitude: 90 ° 36 ' 34.883 "
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 : Barisal	Division (Sub-division) : Patuakhali	LRP :003a	Chainage : 3.18 km
1) Bridge Name : 33-Soular Bridge	2) Road Name : Bauphal To(Debirchar)	3) Date & Time : 01-12-2013 / 08:30am	4) GPS Data : Latitude: 22 ° 22 ' 50.37 " Longitude: 90 ° 36 ' 34.883 "

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 :003a		Chainage : 3.18 km	
1) Bridge Name : 33-Soular Bridge		2) Road Name : Bauphal To(Debirchar)		3) Date & Time : 01-12-2013 / 08:30am		4) GPS Data : Latitude: 22 ° 22 ' 50.37 " Longitude: 90 ° 36 ' 34.883 "	
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 ()	<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							

Damage of the Bridge (2/2)

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP :003a		Chainage : 3.18 km	
1) Bridge Name : 33-Soular Bridge		2) Road Name : Bauphal To(Debirchar)		3) Date & Time : 01-12-2013 / 08:30am		4) GPS Data : Latitude: 22 ° 22 ' 50.37 " Longitude: 90 ° 36 ' 34.883 "	
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: Barisal	Division(Subdivision): Patuakhali	LRP: 017a	Chainage: 17.3 km
1) Bridge Name/ No:34-Number One Bridge	2) Road Name: Kachua To Kalai	3) Date : 29-11-2013	4) GPS Data: Lt:22°21'37.509"Lon:90°18'23.205"
5) Road Category: Z-8052	6) Bridge Width: 3.90m Carriageway Width: 3.50m	7) Bridge Type: Bailey with steel deck	8) Bridge length: 28.15m
9) Bridge Span Arrangement: Singel Span	10) Approach Road Width: 5.60m	11) Sub structure information -Type:	12) River information: -Approx river width: 22.00m -Approx. river water level: 2.50m from deck -Approx. river depth: 3.70m 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) Patuakhali	LRP : 017a	Chainage : 17.3 km
1) Bridge Name : 34-Number One Bridge	2) Road Name : Kachua To Kalai	3) Date & Time : 29-11-2013 / 08:20am	4) GPS Data : Latitude: 22 ° 21 ' 37.509 " Longitude: 90 ° 18 ' 23.205 "
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 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) Patuakhali	LRP : 017a	Chainage : 17.3 km
1) Bridge Name : 34-Number One Bridge	2) Road Name : Kachua To Kalaiy	3) Date & Time : 29-11-2013 / 08:20am	4) GPS Data : Latitude: 22 ° 21 ' 37.509 " Longitude: 90 ° 18 ' 23.205 "

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 (1/3)

Zone : Barisal		Division (Sub-division) Patuakhali		LRP : 017a		Chainage : 17.3 km	
1) Bridge Name : 34-Number One Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 29-11-2013 / 08:20am		4) GPS Data : Latitude: 22 ° 21 ' 37.509 " Longitude: 90 ° 18 ' 23.205 "	
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 (2/3)

Zone : Barisal		Division (Sub-division) Patuakhali		LRP : 017a		Chainage : 17.3 km	
1) Bridge Name : 34-Number One Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 29-11-2013 / 08:20am		4) GPS Data : Latitude: 22 ° 21 ' 37.509 " Longitude: 90 ° 18 ' 23.205 "	
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, /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 ()	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 : 017a		Chainage : 17.3 km	
1) Bridge Name : 34-Number One Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 29-11-2013 / 08:20am		4) GPS Data : Latitude: 22 ° 21 ' 37.509 " Longitude: 90 ° 18 ' 23.205 "	
Damage		Damage 1		Damage 11		Damage 12	
Damage Location	Slab, Girder, Pier, Abutment, /Side Angle	Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	Slab, Girder, Pier, Abutment, /Railing	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)	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: 015a	Chainage: 15.85 km
1) Bridge Name/ No:35-Number Tow Bridge	2) Road Name: Kachua To Kalaiy	3) Date : 01-12-2013	4) GPS Data: Lt:22°21'37.509"Lon:90°18'23.205"
5) Road Category: Z-8052	6) Bridge Width: 3.90m Carriageway Width: 3.50m	7) Bridge Type: Bailey with Steel Deck	8) Bridge length: 25.20m
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:	
		12) River information: -Approx. river width: 15m -Approx. river water level: 2.0m from deck -Approx. river depth: 3.60m from deck	

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 : 015a	Chainage : 15.85 km
1) Bridge Name : 35-Number Two Bridge	2) Road Name : Kachua To Kalaiy	3) Date & Time : 28-11-2013 / 4:17pm	4) GPS Data : Latitude: 22 ° 21 ' 38.341 " Longitude: 90 ° 17 ' 31.83 "
Photo of the Bridge			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) : Patuakhali	LRP : 015a	Chainage : 15.85 km
1) Bridge Name :35-Number Two Bridge	2) Road Name : Kachua To Kalaiy	3) Date & Time : 28-11-2013 / 4:17pm	4) GPS Data : Latitude: 22 ° 21 ' 38.341 " Longitude: 90 ° 17 ' 31.83 "
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 (1/3)

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 015a		Chainage : 15.85 km	
1) Bridge Name :35-Number Two Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 28-11-2013 / 4:17pm		4) GPS Data : Latitude: 22 ° 21 ' 38.341 " Longitude: 90 ° 17 ' 31.83 "	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment, /Side Angle	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 (Missing)	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 (2/3)

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 015a		Chainage : 15.85 km	
1) Bridge Name :35-Number Two Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 28-11-2013 / 4:17pm		4) GPS Data : Latitude: 22 ° 21 ' 38.341 " Longitude: 90 ° 17 ' 31.83 "	
Damage 5		Damage 6		Damage 7		Damage 8	
Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	Slab, Girder, Pier, Abutment, /Railing	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 (3/3)

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 015a		Chainage : 15.85 km	
1) Bridge Name :35-Number Two Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 28-11-2013 / 4:17pm		4) GPS Data : Latitude: 22 ° 21 ' 38.341 " Longitude: 90 ° 17 ' 31.83 "	
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
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							

Zone: Barisal	Division(Subdivision): Patuakhali (Patuakhali)	LRP: 009d	Chainage: 9.88 km
1) Bridge Name/ No:36- Gabtala Steel bridge	2) Road Name: Kachua - Mirjaganj - Kalaiya	3) Date : 27-11-2013	4) GPS Data: Lt: 22°21'41.377" Lon: 90°14'8.925"
5) Road Category: Z - 8052	6) Bridge Width: 3.9m Carriageway Width: 3.3m	7) Bridge Type: Bailey with steel deck	8) Bridge length: 22.8m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 3.8m	11) Sub structure information -Type:	12) River information: -Approx river width: 14.0m -Approx. river water level: 2.1m from deck -Approx. river depth: 5.2m 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. Tutul	Surveyed by: SURVEY2000
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Photo Sheet of the Bridge 1/3

APPENDIX 3-1





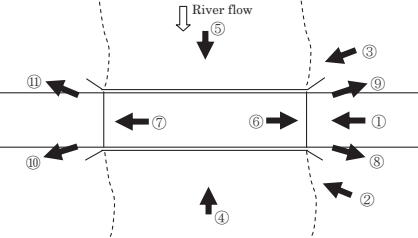

Zone : Barisal	Division (Sub-division) : Patuakhli	LRP : 009d	Chainage : 9.88 km
1) Bridge Name :36-Gabtala Steel Bridge	2) Road Name : Kachua To Kalaiy	3) Date & Time : 28-11-2013 / 03:30pm	4) GPS Data : Latitude: 22 ° 21 ' 41.377 " Longitude: 90 ° 14 ' 8.925 "
Photo of the Bridge			
			
			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) : Patuakhli	LRP : 009d	Chainage : 9.88 km
1) Bridge Name :36-Gabtala Steel Bridge	2) Road Name : Kachua To Kalaiy	3) Date & Time : 28-11-2013 / 03:30pm	4) GPS Data : Latitude: 22 ° 21 ' 41.377 " Longitude: 90 ° 14 ' 8.925 "

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 (1/3)

Zone : Barisal		Division (Sub-division) : Patuakhli		LRP : 009d		Chainage : 9.88 km	
1) Bridge Name :36- Gabtala Steel Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 28-11-2013 / 03:30pm		4) GPS Data : Latitude: 22 ° 21 ' 41.377 " Longitude: 90 ° 14 ' 8.925 "	
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 (2/3)

Zone : Barisal		Division (Sub-division) : Patuakhli		LRP : 009d		Chainage : 9.88 km	
1) Bridge Name :36- Gabtala Steel Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 28-11-2013 / 03:30pm		4) GPS Data : Latitude: 22 ° 21 ' 41.377 " Longitude: 90 ° 14 ' 8.925 "	
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, /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 ()	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) : Patuakhli		LRP : 009d		Chainage : 9.88 km	
1) Bridge Name :36- Gabtala Steel Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 28-11-2013 / 03:30pm		4) GPS Data : Latitude: 22 ° 21 ' 41.377 " Longitude: 90 ° 14 ' 8.925 "	
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 ()	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:009a	Chainage: 9.20(km)
1) Bridge Name/ No: 37-Kapalvara Steel Bridge	2) Road Name : Kachua - Patuakhali - Kalaiya Road	3) Date : 28-11-2013	4) GPS Data: Lt: 22°21' 51.45" Lon: 90°13'48.008"
5) Road Category: Z-8052	6) Bridge Width: 3.9m Carriageway Width: 3.5m	7) Bridge Type: Bailey with steel deck	8) Bridge length: 31.8m
9) Bridge Span Arrangement: Singel Span	10) Approach Road Width: 3.80m	11) Sub structure information	
13) Year of Construction(if possible):	14) Load Limit(if possible):	-Type: -Approx. height:	
12) River information: -Approx river width: 22.0m -Approx. river water level: 2.3m from deck -Approx. river depth: 4.83m from deck			

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 : 009a	Chainage : 9.2 km
1) Bridge Name: 37-Kapalvara Steel Bridge	2) Road Name : Kachua To Kalaiy	3) Date & Time : 28-11-2013 12:00pm	4) GPS Data : Latitude: 22 ° 21 ' 51.45 " Longitude: 90 ° 13 ' 48.008 "

Photo of the Bridge

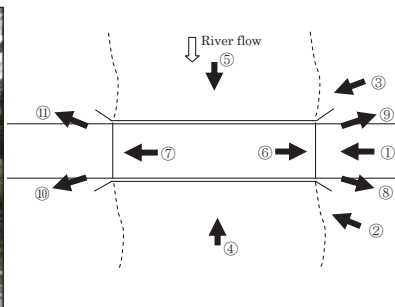


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) : Patuakhali	LRP : 009a	Chainage : 9.2 km
1) Bridge Name:37-Kapalvara Steel Bridge	2) Road Name : Kachua To Kalaiy	3) Date & Time : 28-11-2013 12:00pm	4) GPS Data : Latitude: 22 ° 21 ' 51.45 " Longitude: 90 ° 13 ' 48.008 "

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 (1/3)

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 009a		Chainage : 9.2 km	
1) Bridge Name:37-Kapalvara Steel Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 28-11-2013 12:00pm		4) GPS Data : Latitude: 22 ° 21 ' 51.45 " Longitude: 90 ° 13 ' 48.008 "	
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 (2/3)

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 009a		Chainage : 9.2 km	
1) Bridge Name:37-Kapalvara Steel Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 28-112013 12:00pm		4) GPS Data : Latitude: 22 ° 21 ' 51.45 " Longitude: 90 ° 13 ' 48.008 "	
Damage 5		Damage 6		Damage 7		Damage 8	
Damage Location	Slab, Girder, Pier, Abutment, /Side Angle	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)	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 : 009a		Chainage : 9.2 km	
1) Bridge Name:37-Kapalvara Steel Bridge		2) Road Name : Kachua To Kalaiy		3) Date & Time : 28-112013 12:00pm		4) GPS Data : Latitude: 22 ° 21 ' 51.45 " Longitude: 90 ° 13 ' 48.008 "	
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, /Railing	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): Patuakhali		LRP:030a		Chainage: 30.85(km)	
1) Bridge Name/ No: 38-Angoria Bondor Brdige		2) Road Name : Barisal- Dumki Road		3) Date : 27-11-2013		4) GPS Data: Lt:22°28'57.578"Lon:90°21'49.105"	
5) Road Category: Z-8044		6) Bridge Width: 4.0m Carriageway Width: 3.5m		7) Bridge Type: Bailey with steel deck		8) Bridge length: 31.6m	
9) Bridge Span Arrangement: Singel Span		10) Approach Road Width:4.7m West &3.5m East Side		11) Sub structure information -Type:		12) River information: -Approx river width: 18.0m -Approx.river water level: 3.05m from deck -Approx.river depth: 5.25m 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
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Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 030a		Chainage : 30.85 km	
1) Bridge Name:38-Angoria Bondor Bridge		2) Road Name : Barisal To Dunki		3) Date & Time : 27-11-2013 08:20am		4) GPS Data : Latitude: 22°28'57.578" Longitude: 90°21'49.105"	
Photo of the Bridge							
Photo ①		Photo ②		Photo ③			
Photo ④				Photo ⑤			
Photo ⑥				Photo ⑦			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) : Patuakhali	LRP : 030a	Chainage : 30.85 km
1) Bridge Name:38-Angoria Bondor Bridge	2) Road Name : Barisal To Dunki	3) Date & Time : 27-11-2013 08:20am	4) GPS Data : Latitude: 22°28'57.578" Longitude: 90°21'49.105"

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 (1/3)

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 030a		Chainage : 30.85 km	
1) Bridge Name:38-Angoria Bondor Bridge		2) Road Name : Barisal To Dunki		3) Date & Time : 27-11-2013 08:20am		4) GPS Data : Latitude: 22°28'57.578" Longitude: 90°21'49.105"	
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 (2/3)

Zone : Barisal		Division (Sub-division) : Patuakhali		LRP : 030a		Chainage : 30.85 km	
1) Bridge Name:38-Angoria Bondor Bridge		2) Road Name : Barisal To Dunki		3) Date & Time : 27-11-2013 08:20am		4) GPS Data : Latitude: 22°28'57.578" Longitude: 90°21'49.105"	
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 ()	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 : 030a		Chainage : 30.85 km	
1) Bridge Name:38-Angoria Bondor Bridge		2) Road Name : Barisal To Dunki		3) Date & Time : 27-11-2013 08:20am		4) GPS Data : Latitude: 22°28'57.578" Longitude: 90°21'49.105"	
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, /Wing Wall	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 ()	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: 29a	Chainage: 28.727 km
1) Bridge Name/no: 39-Naikati Kawkhali Bridge	2) Road Name: Gariarper-Banaripara-Naikati Road	3) Date : 30.11.2013.	4) GPS Data : Lat.22°35'27.606" Lon.90°5'32.029"
5) Road Category: Z - 8033	6) Bridge Width:3.9m Carriageway Width: 3.3m	7) Bridge Type:BaileyWithSteelDeck	8) Bridge length: 87.6m
9) Bridge Span Arrangement: Three Span	10) Approach Road Width: 4.4m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 46.0m -Approx.river water level: 4.5m from deck -Approx.river depth: 11.4m 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





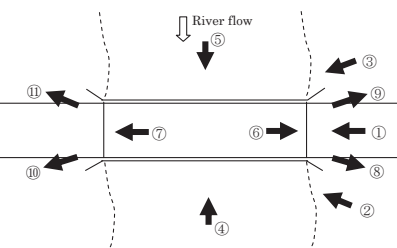

Zone : Barisal	Division (Sub-division) :Pirojpur / Kawkhali	LRP : 29 a	Chainage : 29.11 km
1) Bridge Name:39_Kawkhali Naikati Bridge	2) Road Name : Gariarper-Naikati	3) Date & Time: 30.11.2013. 12.15 pm	4) GPS Data : Latitude 22°35'27.606" Longitude 90°5'32.029"
Photo of the Bridge			
			
			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) :Pirojpur / Kawkhali	LRP : 29 a	Chainage : 29.11 km
1) Bridge Name:39_Kawkhali Naikati Bridge	2) Road Name : Gariarper-Naikati	3) Date & Time: 30.11.2013. 12.15 pm	4) GPS Data : Latitude 22° 35'27.606" Longitude 90° 5'32.029"
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) :Pirojpur / Kawkhali		LRP : 29 a		Chainage : 29.11 km	
1) Bridge Name:39_Kawkhali Naikati Bridge		2) Road Name : Gariarper-Naikati		3) Date & Time: 30.11.2013. 12.15 pm		4) GPS Data : Latitude 22° 35'27.606" Longitude 90° 5'32.029"	
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): Pirojpur / Kawkhali	LRP: 28c	Chainage: 28.09 km
1) Bridge Name/ no: 40 - Joykul Bridge	2) Road Name: Gariarper - Naikati	3) Date : 30.11.2013.	4) GPS Data :Lat. 22°36'0.304" Lon.90°5'32.636"
5) Road Category: Z - 8033	6) Bridge Width: 3.90m Carriageway Width: 3.50m	7) Bridge Type: Bailey with Steel Deck	8) Bridge length: 22.40m
9) Bridge Span Arrangement : Single Span	10) Approach Road Width: 5.60m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 17.00m -Approx. river water level: 3.20m from deck -Approx. river depth: 5.80m 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) :Pirojpur / Kawkhali	LRP : 28 c	Chainage : 28.09 km
1) Bridge Name :40_ Joykul Bridge	2) Road Name : Gariarper -Naikati	3) Date & Time: 30.11.2013. 01.30 pm	4) GPS Data : Latitude 22°36'0.304" Longitude 90°5'32.636"
Photo of the Bridge			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2




Zone : Barisal	Division (Sub-division) :Pirojpur / Kawkhali	LRP : 28 c	Chainage : 28.09 km
1) Bridge Name :40_ Joykul Bridge	2) Road Name : Gariarper -Naikati	3) Date & Time: 30.11.2013. 01.30 pm	4) GPS Data : Latitude 22° 36'0.304" Longitude 90° 5'32.636"
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) :Pirojpur / Kawkhali	LRP : 28 c	Chainage : 28.09 km
1) Bridge Name :40_ Joykul Bridge	2) Road Name : Gariarper -Naikati	3) Date & Time: 30.11.2013. 01.30 pm	4) GPS Data : Latitude 22° 36'0.304" Longitude 90° 5'32.636"
Damage 1		Damage 2	
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 ()
			
Comments:			

Bridge and Road Specifications

Zone: BARISAL	Division(Subdivision): Pirojpur / Kawkhali	LRP: 26a	Chainage: 26.215 km
1) Bridge Name/ no: 41 - Bashuri Bridge	2) Road Name: Gariarper - Naikati	3) Date : 30.11.2013.	4) GPS Data :Lat. 22°36'45.773" Lon.90°4'21.861"
5) Road Category: Z - 8033	6) Bridge Width: 4.00m Carriageway Width: 3.50m	7) Bridge Type: Bailey with Steel Deck	8) Bridge length: 31.00m
9) Bridge Span Arrangement : Single Span	10) Approach Road Width: 5.60m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 27.03m -Approx. river water level: 3.80m from deck -Approx. river depth: 6.70m from deck
13) Year of Construction(if possible): 1990	14) Load Limit(if possible):		

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

Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Barisal	Division (Sub-division) : Pirojpur Kawkhali	LRP : 26a	Chainage : 26.215 km
1) Bridge Name : 41_Basuri Bridge	2) Road Name : Gariarpur Naikati	3) Date & Time : 30.11.2013 2:30pm	4) GPS Data : Latitude 22°36'45.773" Longitude 90°4'21.861"

Photo of the Bridge

Photo 1

Photo 2

Photo 3

Photo 4

River flow

Photo 5

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Barisal	Division (Sub-division) : Pirojpur Kawkhali	LRP : 26a	Chainage : 26.215 km
1) Bridge Name : 41_Basuri Bridge	2) Road Name : Gariarpur Naikati	3) Date & Time : 30.11.2013 2:30pm	4) GPS Data : Latitude 22°36'45.773" Longitude 90°4'21.861"
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) : Pirojpur Kawkhali		LRP : 26a		Chainage : 26.215 km	
1) Bridge Name : 41_Basuri Bridge		2) Road Name : Gariarpur Naikati		3) Date & Time : 30.11.2013 2:30pm		4) GPS Data : Latitude 22°36'45.773" Longitude 90°4'21.861"	
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): Pirojpur / Kawkhali	LRP: 24a	Chainage: 24.03 km
1) Bridge Name/no:42-Kachua kathi Steel Bridge	2) Road Name: Gariarper - Naikati	3) Date : 30.11.2013.	4) GPS Data :Lat. 22°37'38.018" Lon.90°3'47.994"
5) Road Category: Z - 8033	6) Bridge Width: 3.90m Carriageway Width: 3.50m	7) Bridge Type: Bailey with Steel Deck	8) Bridge length: 28.20m
9) Bridge Span Arrangement : Single Span	10) Approach Road Width: 4.70m	11) Sub structure information -Type: -Approx. height:	12) River information: -Approx river width: 22m -Approx.river water level: 3.80m from deck -Approx.river depth: 7.50m 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. Jashim Uddin Surveyed by: SURVEY2000

Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Baeisal	Division (Sub-division) : Pirojpur /Kawkhali	LRP : 24a	Chainage : 24.03 km
1) Bridge Name : 42_Kachua Ghata Bridge	2) Road Name: Gariarpar Naikati	3) Date & Time : 30.11.2013 03:30 pm	4) GPS Data : Latitude 22° 37'38.018" Longitude 90° 3'47.994"

Photo of the Bridge

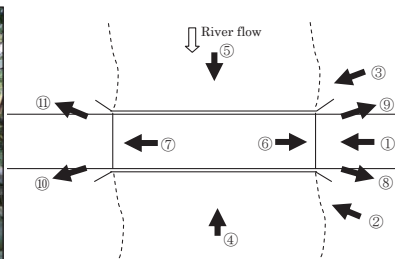


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Baeisal	Division (Sub-division) : Pirojpur/ Kawkhali	LRP : 24a	Chainage : 24.03 km
1) Bridge Name : 42_Kachua Ghata Bridge	2) Road Name: Gariarpar Naikati	3) Date & Time : 30.11.2013 03:30 pm	4) GPS Data : Latitude 22° 37'38.018" Longitude 90° 3'47.994"
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 : Baeisal		Division (Sub-division) : Pirojpur /+Kawkhali		LRP : 24a		Chainage : 24.03 km	
1) Bridge Name : 42_Kachua Ghata Bridge		2) Road Name: Gariarpar Naikati		3) Date & Time : 30.11.2013 03:30 pm		4) GPS Data : Latitude 22° 37'38.018" Longitude 90° 3'47.994"	
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 (√Iron)	Damage Type	<u>For Concrete Structure</u> Crack, Spalling, Rebar exposure Others () <u>For Steel Structure</u> Corrosion, Missing bolt, Deformed section Others ()
							
Comments:							