

Bridge and Road Specifications

Zone: Khulna		Division(Subdivision): Khulna(Khulna-2)		LRP: 024a		Chainage: 23.777 (km)	
1) Bridge Name/No: 94- Khamia Bridge		2) Road Name : Khulna - Chuknagar- Satkhira Road		3) Date : 26-11-2013		4) GPS Data: Lt:22°49'24.019"Lon:89°21'2.263"	
5) Road Category: R- 760		Bridge Width: 9.7m Carriageway Width: 7.3m		7) Bridge Type: RCC Girder Bridge		8) Bridge length: 155m	
9) Bridge Span Arrangement: Four Span		10) Approach Road Width: 7.0m		11) Sub structure information -Type:		12) River information: -Approx river width: 89.0m -Approx. river water level: 6.0m -Approx. river depth: 12.0m from deck	
13) Year of Construction(if possible): 1990		14) Load Limit(if possible):		-Approx. height:			

Al- Amin Brick Field

Shahjahan Brick Field

Badra River

NORTH

50 m

100 m

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

APPENDIX 3-1

Zone : Khulna		Division (Sub-division) : Khulna-2		LRP : 024a		Chainage : 23.777 km	
1) Bridge Name : Kharnia Bridge		2) Road Name : Khulna-Chuknagar-Satkhira		3) Date & Time : 26.11.13, 9:20am		4) GPS Data : Latitude: 22° 49'24.019" Longitude: 89° 21'2.263"	

Photo of the Bridge

Photo ①

Photo ②

Photo ③

Photo ④

River flow

Photo ⑤

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Khulna	Division (Sub-division) : Khulna	LRP : 024a	Chainage : 23.777
1) Bridge Name : 94_Kharnia Bridge	2) Road Name: Khulna-Chuknagar-Satkhira	3) Date & Time : 26.11.13, 9:20am	4) GPS Data : Latitude: 22° 49'24.019" Longitude: 89° 21'2.263"
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 : Khulna		Division (Sub-division) : Khulna		LRP : 024a		Chainage : 23.777	
1) Bridge Name : Kharnia Bridge		2) Road Name : Khulna-Chuknagar-Satkhira		3) Date & Time : 26.11.13, 9:20am		4) GPS Data : Latitude: 22° 49'24.019" Longitude: 89° 21'2.263"	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment, /Footpath
Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()
				Comments			

Damage of the Bridge (2/3)

Zone : Khulna		Division (Sub-division) : Khulna		LRP : 024a		Chainage : 23.777	
1) Bridge Name : Kharnia Bridge		2) Road Name : Khulna-Chuknagar-Satkhira		3) Date & Time : 26.11.13, 9:20am		4) GPS Data : Latitude: 22° 49' 24.019" Longitude: 89° 21' 2.263"	
Damage 5		Damage 6		Damage 7		Damage 8	
Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment, /Footpath	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) : Khulna		LRP : 024a		Chainage : 23.777	
1) Bridge Name : Kharnia Bridge		2) Road Name : Khulna-Chuknagar-Satkhira		3) Date & Time : 26.11.13, 9:20am		4) GPS Data : Latitude: 22° 49' 24.019" Longitude: 89° 21' 2.263"	
Damage		Damage 1		Damage 11		Damage 12	
Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment, /Footpath	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()
							
Comments							

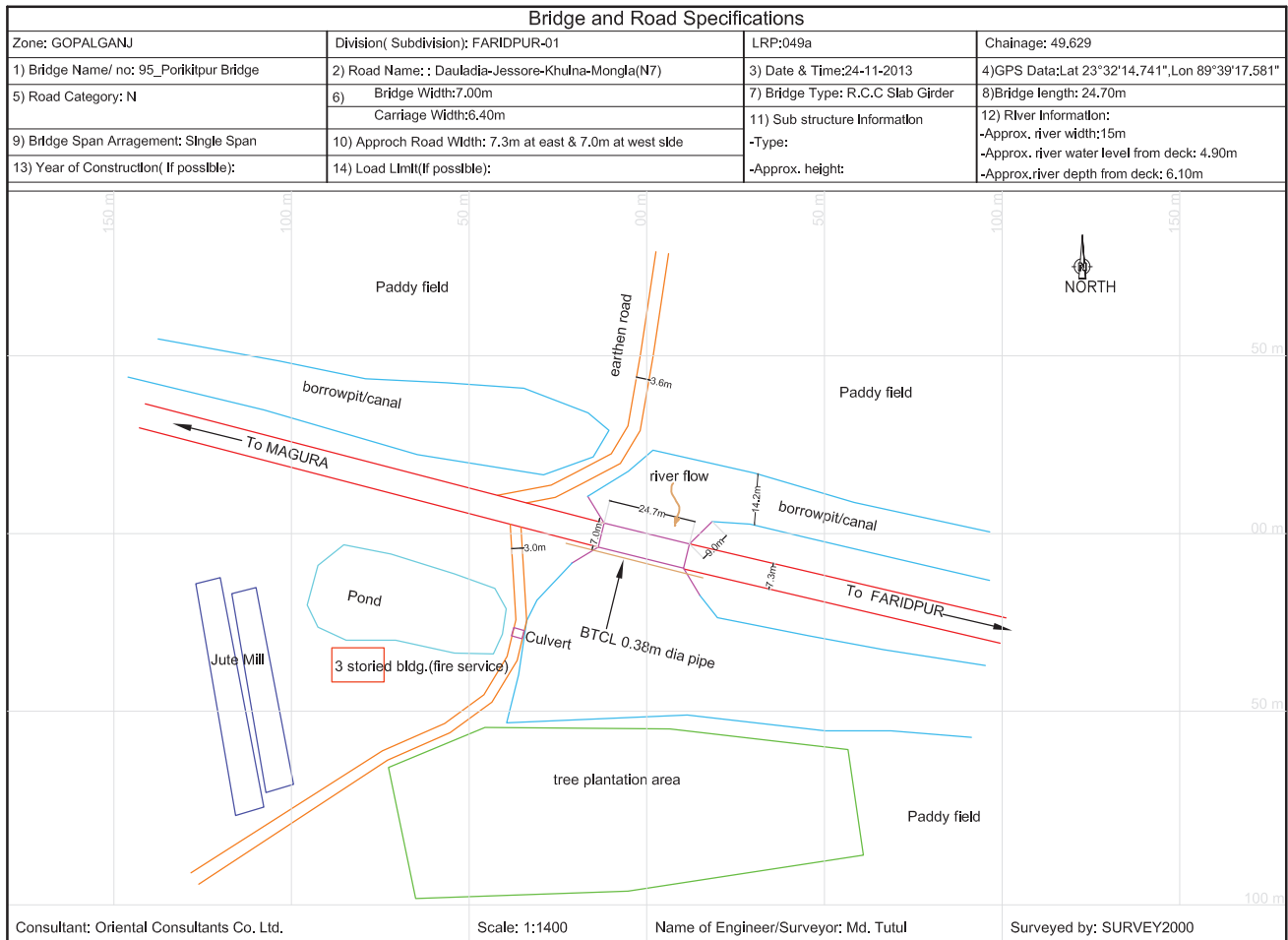


Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone : Gopalganj	Division(Sub-division) :Faridpur(Faridpur-1)	LRP : 049a	Chainage : 49.629 (km)
1) Bridge Name : 95-Porkitpur	2) Road Name:Dauladia-Faridpur-Magura -Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time : 25/11/2013	4) GPS Data : Latitude: 23 ° 32 ' 14.741 " Longitude: 89 ° 39 ' 17.581 "

Photo of the Bridge

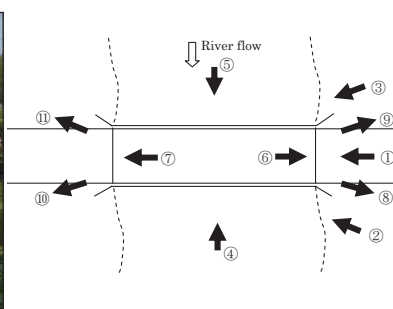


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Gopalganj	Division(Sub-division) :Faridpur(Faridpur-1)	LRP : 049a	Chainage : 49.629 (km)
1) Bridge Name : 95-Porkitpur	2) Road Name:Dauladia-Faridpur-Magura -Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time : 25/11/2013	4) GPS Data : Latitude: 23 ° 32 ' 14.741 " Longitude: 89 ° 39 ' 17.581 "
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 : Gopalganj		Division(Sub-division) : Faridpur(Faridpur-1)		LRP : 049a		Chainage : 49.629 (km)	
1) Bridge Name : 95-Porkitpur		2) Road Name:Dauladia-Faridpur-Magura -Jhenaidah-Jessore-Khulna-Mongla		3) Date & Time : 25/11/2013		4) GPS Data : Latitude: 23 ° 32 ' 14.741 " Longitude: 89 ° 39 ' 17.581 "	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, /Wing Wall	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:		Damaged both rail repair on progress					

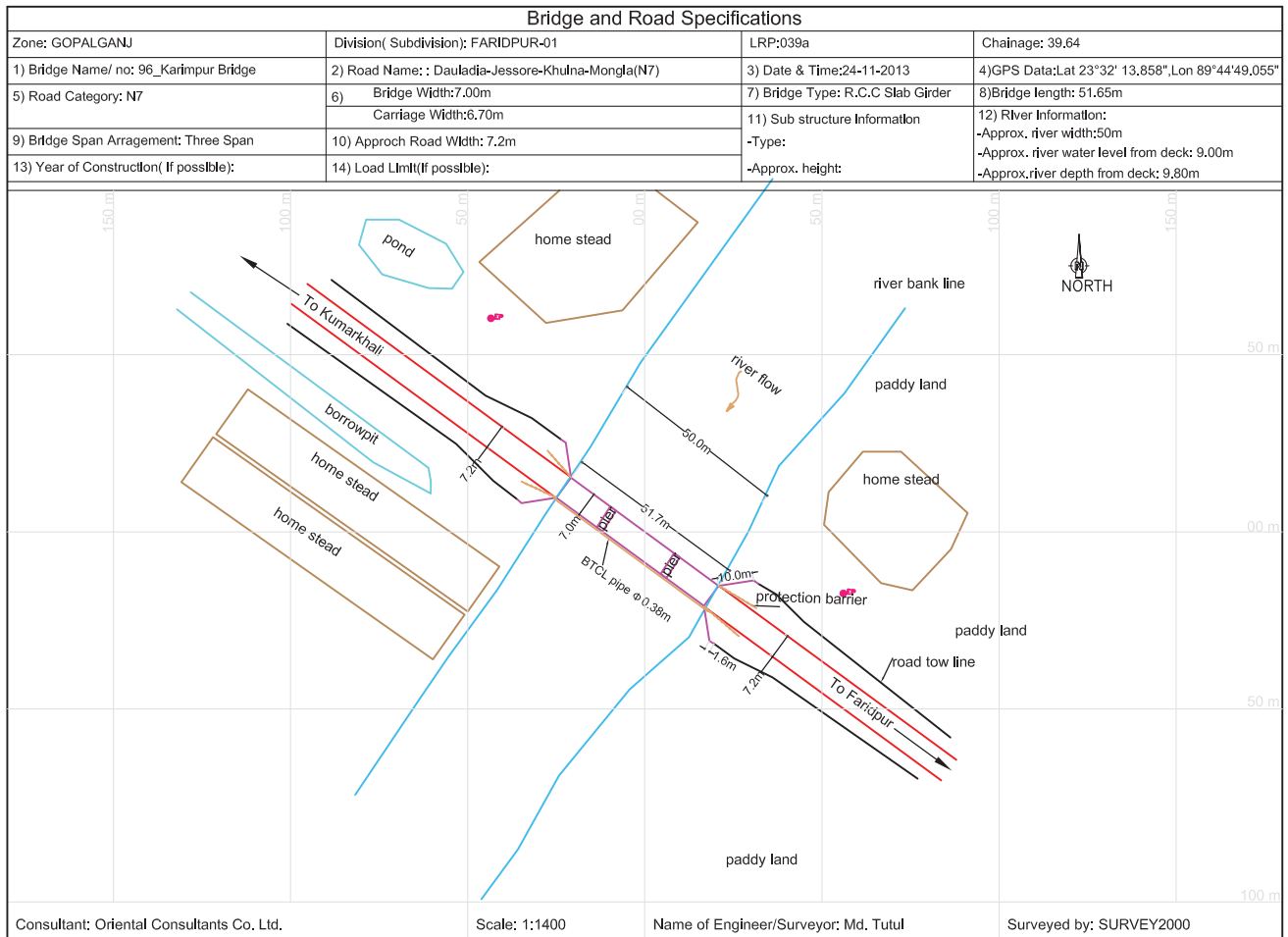


Photo Sheet of the Bridge 1/3

APPENDIX 3-1

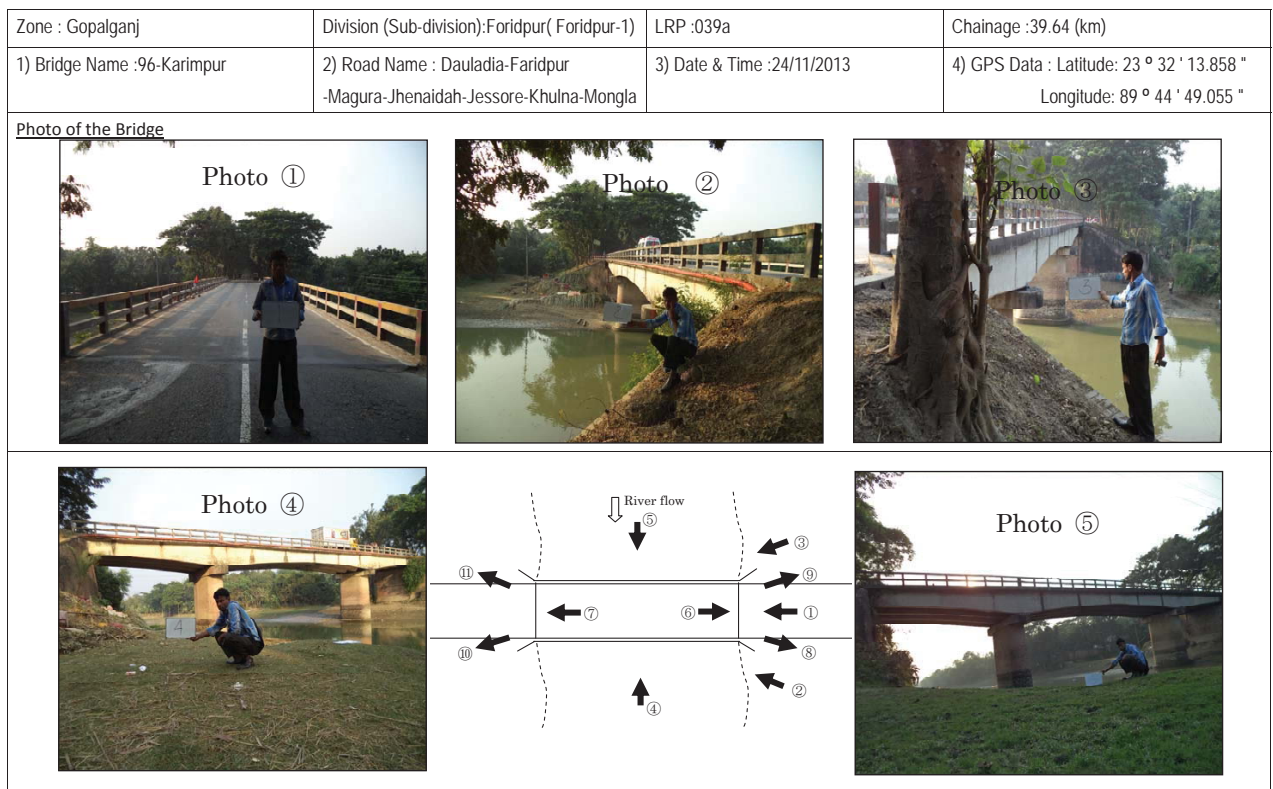


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone : Gopalganj	Division (Sub-division):Foridpur(Foridpur-1)	LRP :039a	Chainage :39.64 (km)
1) Bridge Name :96-Karimpur	2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time :24/11/2013	4) GPS Data : Latitude: 23 ° 32 ' 13.858 " Longitude: 89 ° 44 ' 49.055 "

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 : Gopalganj		Division (Sub-division):Foridpur(Foridpur-1)		LRP :039a		Chainage :39.64 (km)	
1) Bridge Name :96-Karimpur		2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla		3) Date & Time :24/11/2013		4) GPS Data : Latitude: 23 ° 32 ' 13.858 " Longitude: 89 ° 44 ' 49.055 "	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, /Wing Wall	Damage Location	Slab, Girder, Pier, Abutment, /Wing Wall	Damage Location	Slab, Girder, Pier, Abutment, /Wing Wall	Damage Location	Slab, Girder, Pier, Abutment, /Wing Wall
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: GOPALGANJ	Division(Subdivision): FARIDPUR-02	LRP:025a	Chainage: 25.993
1) Bridge Name/ no: 97_Jhuldibazar Bridge	2) Road Name: ; Dauladia-Jessore-Khulna-Mongla(N7)	3) Date & Time:24-11-2013	4)GPS Data:Lat 23°36'28.708",Lon 89°46'39.719"
5) Road Category: N 7	6) Bridge Width:7.20m Carriage Width:6.60m	7) Bridge Type: R.C.C Slab Girder	8)Bridge length: 27.40m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 10.70m at north and 8.90 at south side	11) Sub structure Information -Type: -Approx. height:	12) River Information: -Approx. river width:22m at down stream -Approx. river water level from deck: 5.65m -Approx. river depth from deck: 5.85m
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 :Gopalganj	Division(Sub-division):Foridpur(Foridpur-2)	LRP :025a	Chainage : 25.993 (km)
1) Bridge Name :97-Jhuldibazar	2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time :24/11/2013	4) GPS Data : Latitude : 23 ° 36 ' 28.708 " Longitude : 89 ° 46 ' 39.719 "

Photo of the Bridge

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone :Gopalganj	Division(Sub-division):Foridpur(Foridpur-2)	LRP :025a	Chainage : 25.993 (km)
1) Bridge Name :97-Jhuldibazar	2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time :24/11/2013	4) GPS Data : Latitude: 23 ° 36 ' 28.708 " Longitude: 89 ° 46 ' 39.719 "

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 :Gopalganj		Division(Sub-division):Foridpur(Foridpur-2)		LRP :025a		Chainage : 25.993 (km)	
1) Bridge Name :97-Jhuldibazar		2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla		3) Date & Time :24/11/2013		4) GPS Data : Latitude: 23 ° 36 ' 28.708 " Longitude: 89 ° 46 ' 39.719 "	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, √Railing	Damage Location	Slab, Girder, Pier, √Abutment	Damage Location	Slab, Girder, Pier, Abutment, √Wing Wall	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			

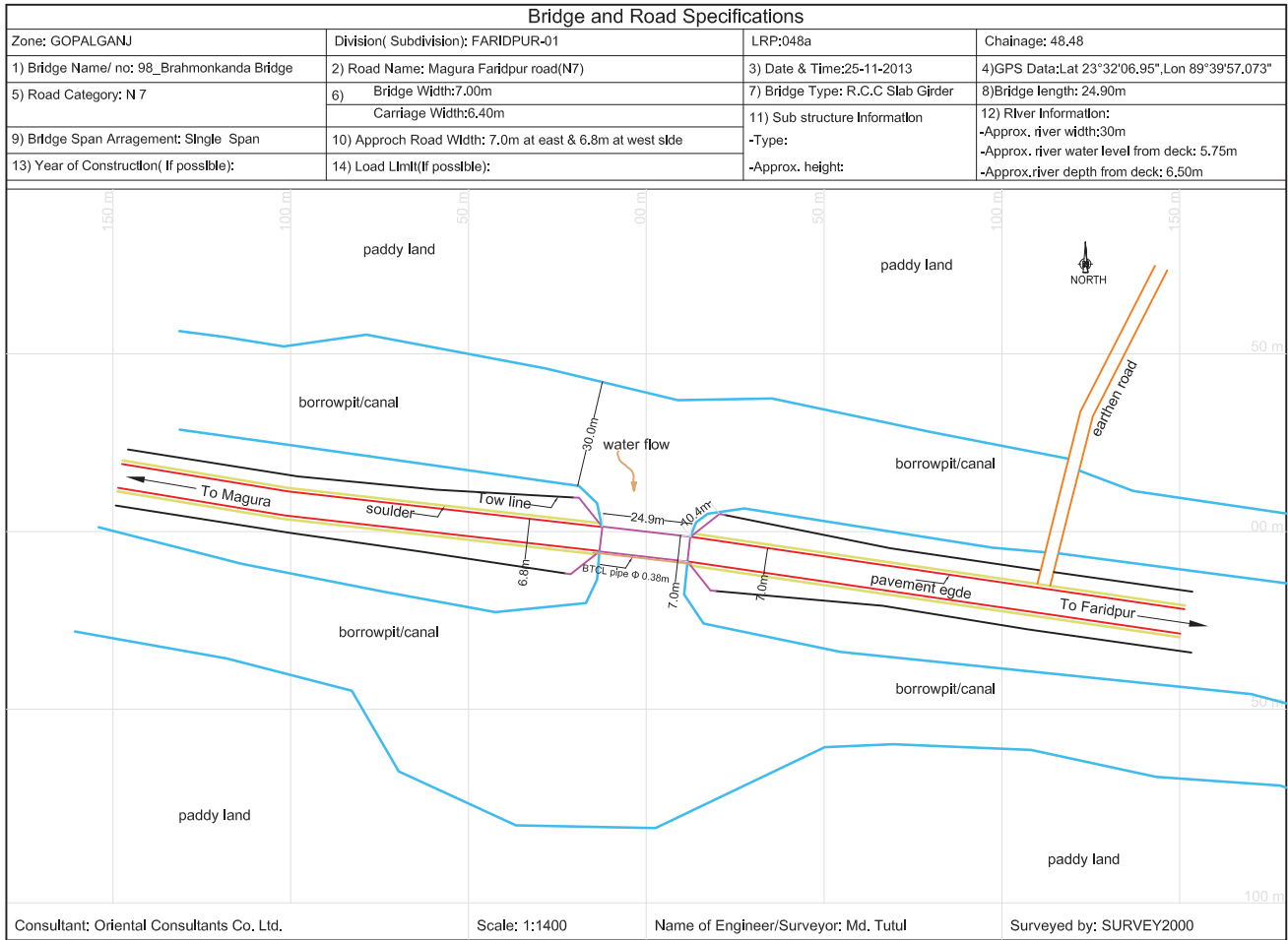


Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone :Gopalganj	Division(Sub-division):Foridpur(Foridpur-1)	LRP :048a	Chainage : 48.48 (km)
1) Bridge Name :98-Brahmonkanda	2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time :25/11/2013	4) GPS Data : Latitude: 23 ° 32 ' 6.95 " Longitude: 89 ° 39 ' 57.073 "

Photo of the Bridge

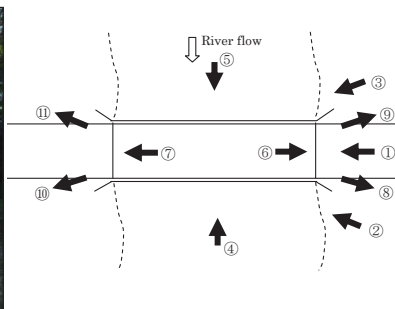
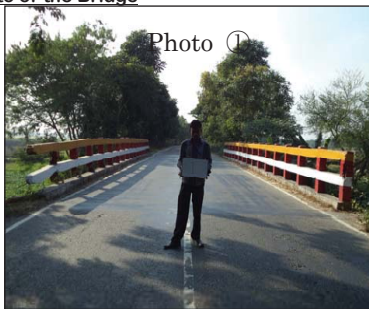


Photo Sheet of the Bridge 2/3

APPENDIX 3-2



Zone :Gopalganj	Division(Sub-division):Foridpur(Foridpur-1)	LRP :048a	Chainage : 48.48 (km)
1) Bridge Name :98-Brahmonkanda	2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time :25/11/2013	4) GPS Data : Latitude: 23 ° 32 ' 6.95 " Longitude: 89 ° 39 ' 57.073 "
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 :Gopalganj	Division(Sub-division):Foridpur(Foridpur-1)	LRP :048a	Chainage : 48.48 (km)				
1) Bridge Name :98-Brahmonkanda	2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time :25/11/2013	4) GPS Data : Latitude: 23 ° 32 ' 6.95 " Longitude: 89 ° 39 ' 57.073 "				
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, /Wing Wall	Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	For Concrete Structure √Crack, Spalling, Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, /Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()
							
Comments							

Bridge and Road Specifications

Zone: GOPALGANJ	Division(Subdivision): FARIDPUR-01	LRP:048a	Chainage: 49.629
1) Bridge Name/ no: 99_Kanaipur Bridge	2) Road Name: Magura Faridpur road(N7)	3) Date & Time:25-11-2013	4)GPS Data:Lat 23°32'20.808",Lon 89°46'04.335"
5) Road Category: N 7	6) Bridge Width:7.10m Carriage Width:6.80m	7) Bridge Type: R.C.C Slab Girder	8)Bridge length: 27.50m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 7.3m at east & 6.7m at west side	11) Sub structure Information -Type: -Approx. height:	12) River Information: -Approx. river width:25m -Approx. river water level from deck: 5.70m -Approx. river depth from deck: 8.90m
13) Year of Construction(If possible):	14) Load Limit(If possible):		

Consultant: Oriental Consultants Co. Ltd.

Scale: 1:1400

Name of Engineer/Surveyor: Md. Tutul

Surveyed by: SURVEY2000

Photo Sheet of the Bridge 1/3

APPENDIX 3-1

Zone :Gopalganj	Division(Sub-division):Foridpur(Foridpur-1)	LRP :036c	Chainage : 37.369 (km)
1) Bridge Name :99-Kanaipur	2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time :24/11/2013	4) GPS Data : Latitude: 23 ° 32 ' 20.808 " Longitude: 89 ° 46 ' 4.335 "

Photo of the Bridge

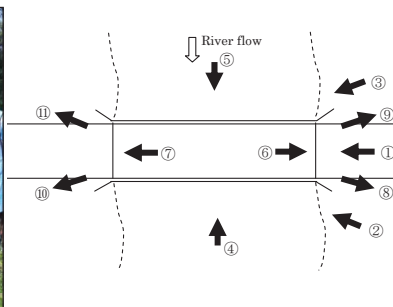


Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone :Gopalganj	Division(Sub-division):Foridpur(Foridpur-1)	LRP :036c	Chainage : 37.369 (km)
1) Bridge Name :99-Kanaipur	2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time :24/11/2013	4) GPS Data : Latitude: 23 ° 32 ' 20.808 " Longitude: 89 ° 46 ' 4.335 "

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 :Gopalganj		Division(Sub-division):Foridpur(Foridpur-1)		LRP :036c		Chainage : 37.369 (km)	
1) Bridge Name :99-Kanaipur		2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla		3) Date & Time :24/11/2013		4) GPS Data : Latitude: 23 ° 32 ' 20.808 " Longitude: 89 ° 46 ' 4.335 "	
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	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: GOPALGANJ	Division(Subdivision): MADARIPUR	LRP:095a	Chainage: 94.098
1) Bridge Name/ no: 100_Amgram Bridge	2) Road Name: ; Bhanga-Barishal-Patuakhali (N8)	3) Date & Time:24-11-2013	4)GPS Data:Lat 23°11'56.62" Lon 90°04'01.088"
5) Road Category: N8	6) Bridge Width:7.00m Carriage Width:6.00m	7) Bridge Type: R.C.C Slab Girder	8)Bridge length: 37.00m
9) Bridge Span Arrangement: Three Span	10) Approach Road Width: 7.3m at east & 7.0m at west slide	11) Sub structure Information -Type: -Approx. height:	12) River Information: -Approx. river width:35m -Approx. river water level from deck: 8.60m -Approx. river depth from deck: 10.10m
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





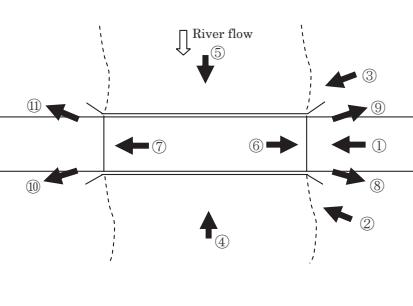

Zone :Gopalganj	Division (Sub-division) : Madaripur	LRP :095a	Chainage : 94.098 (km)
1) Bridge Name :100- amgrag bridge	2) Road Name : Dhaka(Jatrabari)-Mawa-Banga- Barisal- Patuakhali	3) Date & Time :28/11/2013	4) GPS Data : Latitude: 23 ° 11 ' 56.62 " Longitude: 90 ° 4 ' 1.088 "
Photo of the Bridge			
			
			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone :Gopalganj	Division (Sub-division) : Madaripur	LRP :095a	Chainage : 94.098 (km)
1) Bridge Name :100- amrag bridge	2) Road Name : Dhaka(Jatrabari)-Mawa-Banga- Barisal- Patuakhali	3) Date & Time :28/11/2013	4) GPS Data : Latitude: 23 ° 11 ' 56.62 " Longitude: 90 ° 4 ' 1.088 "

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 :Gopalganj		Division (Sub-division) : Madaripur		LRP :095a		Chainage : 94.098 (km)	
1) Bridge Name :100- amrag bridge		2) Road Name : Dhaka(Jatrabari)-Mawa-Banga- Barisal- Patuakhali		3) Date & Time :28/11/2013		4) GPS Data : Latitude: 23 ° 11 ' 56.62 " Longitude: 90 ° 4 ' 1.088 "	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, /Railing	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	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: GOPALGANJ	Division(Subdivision): FARIDPUR-01	LRP:054a	Chainage: 55.168
1) Bridge Name/ no: 101_Barashia Bridge	2) Road Name: ; Dauladia-Jessore-Khulna-Mongla(N7)	3) Date & Time:25-11-2013	4)GPS Data:Lat 23°31'45.434",Lon 89°36'30.335"
5) Road Category: N7	6) Bridge Width:7.80m Carriage Width:7.20m	7) Bridge Type: R.C.C Slab Girder	8)Bridge length: 82.60m
9) Bridge Span Arrangement: Three Span	10) Approach Road Width: 7.0m at east & 7.2m at west side	11) Sub structure Information -Type: -Approx. height:	12) River Information: -Approx. river width:69m -Approx. river water level from deck: 9.90m -Approx. river depth from deck: 13.20m
13) Year of Construction(If possible):	14) Load Limit(If possible):		

Map details: The map shows a three-span bridge crossing a canal. The bridge has a total length of 82.6m. Approach roads are 7.0m wide on the east and 7.2m wide on the west. The site includes paddyland, a brick field area, several sheds, and two ponds. A north arrow is present. Dimensions for various sections are provided: 64.0m, 82.6m, 69.0m, and 7.0m. Directions 'To Magura' and 'To Faridpur' are shown.

Consultant: Oriental Consultants Co. Ltd.	Print 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





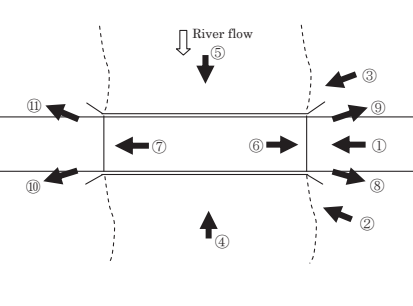

Zone :Gopalganj	Division(Sub-division):Foridpur(Foridpur-1)	LRP :054a	Chainage :55.168 (km)
1) Bridge Name :101-Barashia	2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time :25/11/2013	4) GPS Data : Latitude: 23 ° 31 ' 45.434 " Longitude: 89 ° 36 ' 30.335 "
Photo of the Bridge			
			
			

Photo Sheet of the Bridge 2/3

APPENDIX 3-2

Zone :Gopalganj	Division(Sub-division):Foridpur(Foridpur-1)	LRP :054a	Chainage :55.168 (km)
1) Bridge Name :101-Barashia	2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla	3) Date & Time :25/11/2013	4) GPS Data : Latitude: 23 ° 31 ' 45.434 " Longitude: 89 ° 36 ' 30.335 "

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 :Gopalganj		Division (Sub-division):Foridpur(Foridpur-1)		LRP :054a		Chainage :55.168 (km)	
1) Bridge Name :101-Barashia		2) Road Name : Dauladia-Faridpur -Magura-Jhenaidah-Jessore-Khulna-Mongla		3) Date & Time :25/11/2013		4) GPS Data : Latitude: 23 ° 31 ' 45.434 " Longitude: 89 ° 36 ' 30.335 "	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	Slab, Girder, Pier, Abutment, √Railing	Damage Location	√Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others (Railing Broken Down) 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: GOPALGANJ	Division(Subdivision): SHARIATPUR	LRP:17d	Chainage: 17.39
1) Bridge Name/ no: 102_Tumshor Bridge	2) Road Name : Madaripur Shariatpur road(R-860)	3) Date & Time:02-12-2013	4)GPS Data:Lat 23°10'37.90",Lon 90°17'33.946"
5) Road Category: R	6) Bridge Width:3.90m Carriage Width:3.60m	7) Bridge Type: Baily Bridge Steel Deck	8)Bridge length: 31.20m
9) Bridge Span Arrangement: Single Span	10) Approach Road Width: 5.0m at east & 4.8m at west side	11) Sub structure Information	12) River Information: -Approx. river width:20m -Approx. river water level from deck: 4.40m -Approx. river depth from deck: 5.80m
13) Year of Construction(If possible):	14) Load Limit(If possible):	-Type: -Approx. height:	

Consultant: Oriental Consultants Co. Ltd.	Print 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 :Gpalganj	Division (Sub-division) :Shariatpur	LRP :17d	Chainage :17.39 (km)
1) Bridge Name :102-Tumshor	2) Road Name :Mostafapur-Madaripur-Shariatpur- Ibrahimpur-Harina-Chandpur	3) Date & Time :02/12/2013	4) GPS Data : Latitude : 23 ° 10 ' 37.91 " Longitude : 90 ° 17 ' 33.946 "

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 :Gpalganj	Division (Sub-division) :Shariatpur	LRP :17d	Chainage :17.39 (km)
1) Bridge Name :102-Tumshor	2) Road Name :Mostafapur-Madaripur-Shariatpur- Ibrahimpur-Harina-Chandpur	3) Date & Time :02/12/2013	4) GPS Data : Latitude: 23 ° 10 ' 37.91 " Longitude: 90 ° 17 ' 33.946 "

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 :Gpalganj		Division (Sub-division) :Shariatpur		LRP :17d		Chainage :17.39 (km)	
1) Bridge Name :102-Tumshor		2) Road Name :Mostafapur-Madaripur-Shariatpur- Ibrahimpur-Harina-Chandpur		3) Date & Time :02/12/2013		4) GPS Data : Latitude: 23 ° 10 ' 37.91 " Longitude: 90 ° 17 ' 33.946 "	
Damage 1		Damage 2		Damage 3		Damage 4	
Damage Location	√Slab, Girder, Pier, Abutment	Damage Location	√Slab, Girder, Pier, Abutment	Damage Location	√Slab, Girder, Pier, Abutment	Damage Location	Slab, Girder, Pier, Abutment
Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, √Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, √Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, √Deformed section Others ()	Damage Type	For Concrete Structure Crack, Spalling, Rebar exposure Others () For Steel Structure Corrosion, Missing bolt, Deformed section Others ()
Comments							

Bridge and Road Specifications

Zone: GOPALGANJ	Division(Subdivision): SHARIATPUR	LRP:17a	Chainage: 16.965
1) Bridge Name/ no: 103_TAKERHAT Bridge	2) Road Name : Madaripur Shariatpur road(R-860)	3) Date & Time:02-12-2013	4)GPS Data:Lat 23°10'36.57" Lon 90°17'20.06"
5) Road Category: R	6) Bridge Width:4.20m Carriage Width:3.80m	7) Bridge Type: Bailey Bridge	8)Bridge length: 100.00m
9) Bridge Span Arrangement: TWO Span	10) Approach Road Width: 5.30m	11) Sub structure information	12) River Information: -Approx. river width:50m -Approx. river water level from deck: 5.50m -Approx. river depth from deck: 6.50m
13) Year of Construction(If possible):	14) Load Limit(If possible):	-Type: -Approx. height:	

The diagram illustrates the bridge's location relative to the river and surrounding infrastructure. Key features include:

- River:** Flows from top-left to bottom-right, with a width of approximately 50m.
- Bridge:** A Bailey Bridge with a total length of 100.00m, crossing the river. It has two spans and is supported by two piers.
- Roads:** An earthen road (R-860) runs parallel to the river, leading to the bridge. Other roads include 'To MADARIPUR', 'To SARIATPUR', 'Heating bone road', and 'RCC Bridge'.
- Canals:** Several canals are shown, including one labeled 'canal' and another 'borrowpit/ditch'.
- Land Use:** Paddy Land is situated on both sides of the river. The 'Takerhat bazar area' contains several 'Tin shed house's.
- Dimensions:** Various measurements are provided, such as 40.00m, 100.00m, 4.20m, and 3.80m.

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 :Gopalganj	Division (Sub-division) :Shariatpur	LRP :17a	Chainage : 16.965
1) Bridge Name :103-Takerhat	2) Road Name : Mostafapur-Madaripur-Shariatpur-Ibrahimpur-Harina-Chandpur	3) Date & Time :02/12/2013	4)GPS Data : Latitude: 23 °10'36.57 " Longitude: 90 °17 '20.06 "

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 :Gopalganj	Division (Sub-division) :Shariatpur	LRP :17a	Chainage : 16.965
1) Bridge Name :103-Takerhat	2) Road Name : Mostafapur-Madaripur-Shariatpur-Ibrahimpur-Harina-Chandpur	3) Date & Time :02/12/2013	4)GPS Data : Latitude: 23 °10'36.57 " Longitude: 90 °17 '20.06 "

Photo of the Bridge



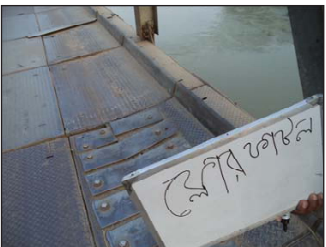



Photo Sheet of the Bridge 3/3

APPENDIX 3-3

APPENDIX 4

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

Damage of the Bridge (1/2)

Zone :Gopalganj		Division (Sub-division) :Shariatpur		LRP :17a		Chainage : 16.965	
1) Bridge Name :103-Takerhat		2) Road Name : Mostafapur-Madaripur-Shariatpur-Ibrahimpur-Harina-Chandpur		3) Date & Time :02/12/2013		4)GPS Data : Latitude: 23 °10'36.57 " Longitude: 90 °17 '20.06 "	
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							