# APPENDIX E BRIDGE SITE SURVEY DATA 1 & 2

Zone No: 1 District : Dhaka

	ict: Dhaka of Upazila		Keraniganj			Nawabganj	
Serial N		1	2	3	5	10	11
Bridge (	Code	01-01-01	01-01-02	01-01-03	01-02-01	01-02-06	01-02-07
Road IC		326384033	326383017	326385010	326823068	326623032	326624170/ 326623118
Road C	lass	R2	R1	R3	R1	R1	R1/R2
Chaina	ge (km)	1+000	1+500	0+550	4+200	2+100	0+000
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing
	Bridge Length (m)						<del></del>
	Bridge Width (m)						
ridge	Carriageway Width (m)						-
Sting B	Superstructure Type						
of Exi	Abutment Type	-					·
Condition of Existing Bridge	Pier Type	<del>                                     </del>					
₹	Usage of Bridge				-		
	Condition		<u> </u>				
	Present Navigation Clearance Height (m)			·			···
	Bank to Bank Width (m)	25.00	30.00	30.00	30.00	80.00	60.00
	Highest Flood Water Width (m)	35,00	40.00	35.00	35.00	85.00	65.00
	. Highest Flood Water Depth (m)	5.00	7.50	6,50	4.00	8.00	8.00
	Normal Flood Water Width (m)	25.00	38.00	25.00	30.00	80.00	60.00
	Normal Flood Water depth (m)	4.00	6.00	5.00	3.00	6.50	8.50
	Dry Season Water Width (m)	2.00	5.00	3,00	0.00	60.00	40.00
	Dry Season Water Depth (m)	0.25	1.00	1.00	0.00	1.00	1.00
ver Condition	Tidal Fluctuation (m)	0.30	0.30	0.30	0,30	0.30	0.30
iver C.	Water Velocity	Medlum	Medium	Medium	Medium	Medium	Medlum
2	Angle of Bridge to Stream (deg)	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.50	1.00	1.50	1.00	1,50	1.50
	Type of River Traffic	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	5.00	4.30	4.00	2.67	3.66	3,66
_	Carriageway Width (m)	5.00	3.66	4.00	2.67	3.66	3.66
Approach Road	Embankment Height (m)	2.00	1.50	2,00	1,50	3.25	3.25
proad	Surface Type	Earthen	HB8/Earthen	Earthen	Earthen	Earthen	Earthen
*	Surface Condition	Good	Good	Bad	Bad	Good	Good
	Alternative Route (km)	No	No	No	No	No	No

Zone-1
District: Dhaka

	ct: Dhak	:a	<del></del>	1/		<del></del>				
	f Upazila			Keraniganj	<del></del>		Nawabganj 10 11			
Serial Nu	mber	<del></del>	1	2	3	5	10 11			
	Population	(thousand)	15	25	20	15	20	18		
	Main Indus	ту	Agriculture, Textile	Agriculture, Textile	Agriculture, Textile, Food Industry	Agriculture	Agriculture	Agriculture		
	Major Agric	ultural Product	Rice, Jute	Rice, Jute	Rice, Jute	Rice, Jute	Rice, Jute	Rice, Jute		
Influence Area		School	9	15	5	3	4	4		
		Clinic	7	10	5	1	0	1		
Influe	Number of	8azar	4	4	3	2	2	2		
	Number of Public Facilities   Sazar	12	4	6	6					
	Public Facilities         Mosque         12         20         12         4           Gov't Office         2         4         2         1           Others         5         5         4         5	4	2							
		Others	5	5	· · · · · · · · · · · · · · · · · · ·		5			
		Totał	39	58	31	16	20	20		
	Passenger	Car	10	15	5	5	5	5		
	Pickup/Truc	k	20	15	15	10	50	50		
	Bus		15	10	1	5	50	40		
Traffic Volume	Motorcycle	<u> </u>	100	30	20	5	5	10		
raffic \	Rickshaw		150	150	50	25	150	150		
F	Autorickshaw		30	15	10	20	10	10		
	Bullock Car		0 ,	0	0	5	10	15		
	Pedestrian		2000	3000	3000	2000	3000	3000		
on on	Landuse		Farm, Residence	Residence	Farm	Farm	Farm, Residence	Farm, Residence		
Bridge Site Condition	Topography		Flat	Flat	Flat	Flat	Flat	Flat		
<u> </u>	Necessity of Approach R	Realignment of oad	No	No	No	No	No	No		
ental	Necessary L Acquired (so	and to be Additionally (a.m)	No	No	No	No	No	No		
5 73	Number of I	louses to be Relocated	No	No	No	No	No	No		
Envi	Other Obstr	uction to be Relocated	No	No	No	No	No	No		
8,	Bridge Leng	th (m)	25.00	30.00	30.00	30.00	80.00	80.00		
Proposed Bridge	Span Arrang	jement	1x25m	1x30m	1x30m	1x30m	2x15m+20m +2x15m	3x20m		
opose	Abutment H	eight (m)	4.50	4.00	4.00	4.00	5.00	5.00		
ą.	Pier Height	(m)	•	•	•	•	7.00	7.00		
Remarks			Approach road of 50.00m length is required on both sides.	Approach road of 50.00m length is required on both sides. The river is curved (appx 100m radious) at the location of the proposed bridge.	Approach road of 50.00m length is required on both sides.	Approach road of 35.00m length is required on both sides.	Approach road of 10.00m length is required on both sides. The surrounding area is densely populated.	Approach road of 30,00m length is required only on one sides.		
							;			

Zone No: 1 District : Dhaka

	ct: Dhaka f Upazila	Utt	ara		Do	har	
Serial Nu	· · · · · · · · · · · · · · · · · · ·	15	16	17	18	19	23
Bridge Co	ebe	01-03-01	01-03-02	01-04-01	01-04-02	01-04-07	
Road ID	<del></del>	Unidentified	Unidentified	326184057	326183034	326183022	326183030
Road Cla	S8	R1	R1	R2	R1	R1	R1
Chainage		0+800	0+300	008+0	0+250	3+610	0+230
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing	Existing
ĺ	Bridge Length (m)	True amend		•	-		38.00
İ	Bridge Width (m)						3.50
<b>8</b> 6	Carriageway Width (m)	<u> </u>	<u> </u>				2.50
Condition of Existing Bridge							RC Slab
Z Exist	Superstructure Type						RC reversed
Silion	Abutment Type						'T' Type
ğ	Pier Type	<u> </u>			<u> </u>	 	RC coloumn
	Usage of Bridge					<u> </u>	Light vehicles only
	Condition			<del></del>			Weak
	Present Navigation Clearance Height (m)						0.50
	Bank to Bank Width (m)	100.00	60.00	50.00	75.00	60.00	40.00
	Highest Flood Water Width (m)	110.00	65.00	55.00	80.00	65,00	45.00
	Highest Flood Water Depth (m)	6.00	5.00	00.8	6.50	8.00	7.50
	Normal Flood Water Width (m)	108.00	60.00	50.00	78.00	62.00	40.00
	Normal Flood Water depth (m)	4.00	4.00	6.00	4.50	6.50	6.00
	Dry Season Water Width (m)	7.00	20.00	20.00	25.00	15.00	10.00
tion	Dry Season Water Depth (m)	1.00	0.25	1.00	0.50	1.00	1.00
iver Condition	Tidal Fluctuation (m)	0.30	0.30	0.30	0.30	0.50	0.50
River	Water Velocity	Medium	Medlum	Medium	Medium	Medium	Medium
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	2.00	2.00	1.50	1.50	1.50	1.50
	Type of River Traffic	Launch, Engine Boat, Country Boat	Launch, Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	4.00	4.00	5.20	5.20	4.87	4.87
-5	Carriageway Width (m)	3.66	3,68	3.66	3.66	3.66	3.68
Approach Road	Embankment Height (m)	1.50	1.50	1.00	1.50	0.30 .	0.50
yproac	Surface Type	HB8/Earthen	HBB/Earthen	HBB/Earthen	HBB/Earthen	нвв	нав
₹	Surface Condition	Bad	Bad	Good	Good	Good	Good
	Alternative Route (km)	No	No	No	No	No	No

Zone-1

	t: Dhak Upazila	a	Uttai	ra		Dol	har	
Serial Nur			15	16	17	18	19	23
	Population	(thousand)	20	10	15	25	12	15
	Main Indust	·	Agriculture	Agriculture	Agriculture, Textile	Agriculture, Textile	Agriculture, Textile	Agriculture, Textile
	Major Agric	ultural Product	Rice, Wheat, Jute	Rice, Wheat, Jute	Rice, Jute	Rice, Jute, Veg.	Rice, Jute	Rice, Jute, Veg.
g <sub>s</sub>	} <del></del>	School	в	6	5	5	4	4
Influence Area		Clinic	2	2	2	3	2	2
เสินคา		Bazar	2	2	2	2	25 12  re, Textile Agriculture, Textile Agriculture	3
~	Number of Public	Mosque	12	10	5	8	18 19 25 12  ure, Textile Agriculture, Textile Agri	5
	Facilities	Gov't Office	2	5	2	15	2	2
		Others	12	10	5	10	4	5
		Total	36	32	21	43	24	21
<del> </del>	Passenger	Car	25	25	10	50	30	15
	Pickup/True	ck	15	15	10	30	20	15
	Bus		10	10	10	30	50	25
Traffic Volume	Motorcycle		20	20	20	100	25	25
affic V	Rickshaw	<u> </u>	200	150	150	250	200	200
*	Autoricksha	lw	100	75	10	50	e Agriculture, Textile Rice, Jute 4 2 4 8 2 4 30 20 50 25 200 15 2 2000 Farm, Residence Flat No No No No No Agroach road of 30.00m length is required on one sides.	20
	Builock Car	t	0	0	5	5	2	2
	Pedestrian		2000	1200	1200	3000	2000	2000
9. 6	Landuse		Farm	Farm	Farm	Fam	Farm, Residence	Farm
Bridge Site Condition	Topography		Flat	Flat	Flat	Flat	Flat	Flat
\ \frac{1}{25} \cdot \frac{1}{2}	Necessity of Approach F	of Realignment of	No	Farm Farm Farm Farm, Residence Flat Flat Flat Flat Flat		No		
夏		Land to be Additionally	No	. No	No	No	No	No
Environmental Issue		Houses to be Relocated	No	No	No	No	No	No
Envir	Other Obst	ruction to be Relocated	No	No	No	No	No	No
	Bridge Len	gth (m)	100.00	60.00	50.00	75.00	60.00	40.00
( Bridg	Span Arran	gement	5x20m	3x20m	15m+20m+15m	3x25m	3x20m	10m+20m+10m
Proposed Bridge	Abutment I	leight (m)	5.00	5.00	5.00	5.00	5.00	4.50
g.	Pler Heigh	! (m)	6.50	6.50	6.50	7.00	<u> </u>	6.00
Remarks			Both sides river bank submerged. Approach road of 300m length on one side and 200m fength on other side are required. The submerged approach area on both sides are cultivated agricultural land. Agv. depth of water is 1.50m.	Both sides riverbank are submerged. Approach road of 300m on one side and 200m on another side are required. The submerged approach area is cultivated agricultural land. Avg. depth of water 1.5m.	side about 30.00m.	Proposed bridge span is now 75.00m, than previous 65.00. Approach road of 30.00m length is required on one side.	30,00m length is required on one sides.	Existing structure is weak and needs to be replaced. Approach road of 30m length is required on both sides.

Zone No: 1 District : Dhaka

	ct : Dhaka f Upazila	Dohar	Savar		<u> </u>	Dhamrai		
	· · · · · · · · · · · · · · · · · · ·	<del> </del>		26	Dhamrai 26 28 30 31			
Serial Nu		24	25				· · · ·	32 01-06-N2
Bridge Co	ode	01-04-08	01-05-01	328143021/				
Road ID	<u>- ' </u>	326183021	326723001	326143015				326143055
Road Cla	98	R1	R1	R2	R2 FRB R1 R1			R1
Chainage	(km)	0+650	6+600	0+000	1+660	0+050	2+500	4+000
	Existing or not	Not Existing						
	Bridge Length (m)							
l o	8ridge Width (m)							
Bridg	Carriageway Width (m)							
xisting	Superstructure Type							
on of E	Abutment Type							
Condition of Existing Bridge	Pier Type				,			
O	Usage of Bridge							
	Condition							
	Present Navigation Clearance Height (m)							-
	Bank to Bank Width (m)	50,00	30.00	30.00	35.00	140.00	50.00	70.00
	Highest Flood Water Width (m)	55.00	35.00	30.00	35.00	150.00	55.00	75.00
	Highest Flood Water Depth (m)	5.50	5.50	5.50	4.00	9.00	5.00	5.50
	Normal Flood Water Width (m)	50.00	30.00	28.00	33.00	140.00	52.00	73.00
į	Normal Flood Water depth (m)	4.00	3.00	5.00	3.00	7.00	4.00	4.50
	Dry Season Water Width (m)	0.00	0.00	2.00	0.00	5.00	0.00	0.00
g	Dry Season Water Depth (m)	0.00	0.00	0.20	0.00	1.00	0.00	0.00
Conditi	Tidal Fluctuation (m)	0.50	Na	No	No	No	No	No
River Condition	Water Velocity	Medium	Stow	Medium	Slow	Medlum	Medium	Medium
·	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90
	Ferry Services	No						
	Required Navigation Clearance Height (m)	1.50	1.50	1.00	1.50	1.50	1.50	1.50
	Type of River Traffic	Engine Boat, Country Soat	Engine Soat, Country Boat	Engine Boat, Country Boat				
	Condition of Bank	Sound	Sound	Sound	Sound	Eroded	Sound	Sound
	Condition of Riverbed	Sound						
	Total Road Width (m)	3.66	3.66	5.50	6.50	5.00	4.90	4.00
	Carriageway Width (m)	2.20	3.66	5.50	4.90	5.00	3.66	4.00
Approach Road	Embankment Height (m)	1.00	1,50	3.00	2.50	2.00	2.00	1.00
рьгоас	Surface Type	H8B/Earthen	Earthen	Earthen	нвв	Earthen	нва	Earthen
₹	Surface Condition	Bad	Bad	Bad	Good	Bad	Good	Good
	Alternative Route (km)	No	No	0.50	3.00	No	No	4.00

Zone-1
District: Dhaka

Vame of	Upazila		Dohar	Savar			Dhamrai		
Serial Nur	nber		24	25	26	28	30	31	32
	Population	(thousand)	20	20	10	13	10	15	10
	Main indust	ry	Agriculture, Textile	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture
	Major Agric	ultural Product	Rice, Jute	Rice, Wheat, Jute	Rice, Jute, Wheat, Veg.	Rice, Jute, Wheat, Veg.	Rice, Jute, Wheat	Rice, Wheat, Jute, Veg.	Rice, Wheat, Jute Veg.
rs.	ļ <del>.</del>	School	7	4	1	9	5	11	8
28 Are		Clinic	2	1	1	1	3	2	1
Influence Area		Bazar	3	2	1	3	2	4	3
	Number of Public	Mosque	12	4	2	6	6	15	7
	Facilities	Gov't Office	2	2	1	4	2	4	2
		Others	5	2	4	5	4	5	4
		Totai	31	15	10	28	22	41	25
	Passenger	Car	50	50	10	10	50	20	5
	Pickup/Trus	;k	25	10	10	20	25	20	20
	Bus		15	100	5	10	100	10	10
Acmor.	Motorcycle	<del></del>	50	20	30	25	50	10	20
Traffic Volume	Rickshaw		200	75	100	250	250	200	150
Ta	Autorickshaw		50	10	30	20	100	25	20
	Bullock Car	t	5	15	1	5	0	5	2
	Pedestrian		3000	1000	500	700	1000	1000	500
	Landuse		Residence	Fam	Farm	Farm	Farm	Farm	Farm
Bridge Site Condition	Topograph	v	Flat	Flat	Flat	Flat	Flåt	5 1000	Flat
S S	Necessity of	of Realignment of	No	No	No	No	No	No	No
78		Land to be Additionally	No	No	No	No	No	No	No
vironmental Issue	Acquired (s	iq.m) Houses to be Relocated	No	No	No	No	No No	No	No
Enviror		ruction to be Relocated	No	No	No	No	No	No	No
	Bridge Len		50.00	30.00	30.00	35.00	140.00	60.00	70,00
sridge	Span Arran		15m+20m+15m	1x30m	1x30m	10m+15m+10m	20m+4x25m+20m	15m+20m+15m	2x25m+20m
Proposed Bridge	Abutment	<del></del>	3.50	4.00	4.50	3.50	5.00	4.50	5.00
Prop	Pler Height		6.50			5.50	10.50	7.00	7.00
Remarks			Approach road of 50m length is required on both sides.	Proposed site completely submerged. Water width approx 300m at present condition. Bridge length of 30m as earlier proposed by LGED may be considered.		30,00m & 25,00m approach is needed. Surrounding area is cultivate agricultural land.	River Banks on both sides are unstable. Proposed bridge tength is 140.00m span instead of previous 105.00m.	30.00m approach road is needed on both sides. Surrounding area is cultivated agricultural land. No land acquisition is required.	road is needed o both sides.

Zone No: 1

District : Naravangani

	ct : Narayanganj			Sadar		
	f Upazila		1 _	<del></del>	1	<del></del>
Serial Nu	mber	1	2	3	4	5
Bridge Co	ode	03-01-01	03-01-N1	03-01-N2	03-01-N3	03-01-N4
Road ID		367582007	367583038	367583092	367583009	367584049
Road Cla	5\$ 	FR8	R1	R1	R1	R2
Chainage	(km)	2+250	0+000	1+100	0+800	0+000
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing
	Sridge Length (m)					
Condition of Existing Bridge	Bridge Width (m)					
	Carriageway Width (m)					
xisting	Superstructure Type					
n of E	Abutment Type					
onditio	Pler Type					
S	Usage of Bridge		<del></del>			
	Condition					
	Present Navigation Clearance Height (m)					
	Bank to Bank Width (m)	115.00	40.00	30.00	30.00	30,00
	Highest Flood Water Width (m)	120.00	45.00	35.00	32.00	38.00
	Highest Flood Water Depth (m)	7.00	5.00	3.50	6.00	5.00
	Normal Flood Water Width (m)	115.00	40.00	30.00	30.00	30.00
	Normal Flood Water depth (m)	5.00	4.00	2.50	<b>5.00</b>	4.00
	Dry Season Water Width (m)	40.00	10.00	5.00	10.00	10.00
.8	Dry Season Water Depth (m)	1.00	1.00	1.00	0.75	t.00
River Condition	Tidal Fluctuation (m)	0.30	No	No	0.30	0.30
River	Water Velocity	Slow	Slow	Slow	Slow	Slow
	Angle of Bridge to Stream (deg)	90	90	90	90	90
	Ferry Services	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.00	1.00	1.00	1,00	1.00
	Type of River Traffic	Engine Boat, Country Boat	Country Boat	Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	5.20	7.30	2.60	5.20	5.20
77	Carriageway Width (m)	5.20	6,50	2.50	5.20	5.20
n Roac	Embankment Height (m)	2.00	3.00	1.00	3.00	2.50
Approach Road	Surface Type	Eathen	BC/Eathen	Eathen	Eathen	Eathen
₹	Surface Condition	Bad	Good	Bad	Bad	Bad
	Alternative Route (km)	No	0.50	No	0.50	0.50

Zone-1
District: Naravangani

	t: Naray Upazila	anganj			Şadar		
Serial Nur		<del></del>	1	2	3	4	5
	Population (	thousand)	15	17	12	20	20
	Main Industr	······································	Agriculture	Agriculture, Textile, Paper Mill, Milk Mill	Agriculture, Textile, Jute, Mill, Oil Mill	Agriculture, Textile, Dying Mill	Agriculture, Textile, Dying Mill
influence Area	Major Agricu	ultural Product	Rice, Jute, Veg.	Rice, Veg.	Rice, Veg.	Rice, Jute, Veg.	Rice, Jute, Veg.
		School	4	6	5	10	7
		Clinic	2	4	2	1	2
nfluen		Bazar	4	4	3	4	5
-	Number of Public	Mosque	8	8	8	7	5
	Facilities	Gov't Office	2	8	4	2	5
		Others	6	12	6	5	10
		Total	26	42	28	29	34
	Passenger (	l Car	5	100	5	<u> </u>	10
	Pickup/Truc	·	20	15	25	20	50
	Bus	·-	20	10	1	5	20
e e	Motorcycle		25	30	5	20	25
Traffic Volume	Rickshaw		150	150	50	150	200
ᄪ	Autoricksha		50	30	10	50	20
	Bullock Cart		0	0	0	0	0
	Pedestrian		2000	2000	1000	1000	2500
	Landuse	<del> </del>	Farm	Residence	Residence	Farm	Residence
Bridge Site Condition	Topography	<del></del>	Flat	Flat	Flat	Flat	Flat
Prid Prid	Necessity of	f Realignment of	No	No	No	No	No
<del></del>		and to be Additionally	No	No	No	No	No
ironmenta Issue	Acquired (se	a.m) Houses to be Relocated	No	No	No	No	No
Environmental Issue		uction to be Relocated	2 sheds	No	No	No	2 boundary walls
	Bridge Leng		115	40	30	30	30
ridge			20m+3x25m+20m	10m+20m+10m	1x30m	1x30m	1x30m
Proposed Bridge	Span Arrang	-	4.00	4,00	3.50	4.00	4.00
Poor	Abutment H Pier Height	<del></del>	8.50	7.00		•	•
Remarks	ria nagit	ver	Two temporary C.I. Sheet shed adjacent to riverbank need to be shifted.		The proposed bridge is under process for tendering under special fund according to Honorable Prime Minister Commitment.		On right side one dying factory wall & another boundary wall should be shifted by 3.0' & 5.0' respectively. Owner of the factory agreed to do that.

Zone No: 1

	t : Narayanganj Upazila			Araihazar		
Serial Nur	nber	6	7	9	10	11
ridge Co	de	03-02-01	03-02-02	03-02-04	03-02-05	03-02-06
load ID		367023044	367023006	367022004	367022004	367023045
toad Clas	3	Ř1	R1	FRB	FRB	R1
hainage	(km)	1+800	0+000	1+020	10+240	0+200
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing
	Bridge Length (m)					
	Bridge Width (m)					<u> </u>
ridge	Carriageway Width (m)					
Condition of Existing Bridge	Superstructure Type					·····
of Exis	Abutment Type					
dition	Pler Type					
3	Usage of Bridge					
	Condition					
	Present Navigation Clearance Height (m)				· · · · · · · · · · · · · · · · · · ·	
·	Bank to Bank Width (m)	90.00	60.00	90.00	142.00	78.00
	Highest Flood Water Width (m)	98.00	70.00	100.00	145.00	90.00
	Highest Flood Water Depth (m)	6.50	5.50	6.00	6.50	6.00
	Normal Flood Water Width (m)	90.00	58.00	90.00	140.00	80.00
	Normal Flood Water depth (m)	5.00	4.50	5.00	5.50	5.00
	Dry Season Water Width (m)	15.00	10.00	20.00	70.00	20.00
ç	Dry Season Water Depth (m)	0.75	0.20	1.00	1.00	1.00
Condition	Tidal Fluctuation (m)	0.30	No	0.30	0.30	0.20
River C	Water Velocity	Medium	Medium	Medium	Medium	Medlum
Œ.	Angle of Bridge to Stream (deg)	90	90	90	90	90
	Ferry Services	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.50	1.50	1.50	2.50	1.50
	Type of River Traffic	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat, Cargo	Engine Boat, Country Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Scoured
	Total Road Width (m)	5.50	5.00	7.50	4,80	4.25
_	Carriageway Width (m)	3,66	5.00	7.50	3.66	3,66
Approach Road	Embankment Height (m)	2.00	1.00	2.00	1,00	0.50
proad	Surface Type	BC	Earthen	Eathen	BC/HBB	BC/Earthen
₹	Surface Condition	Good	Bad	Bad	Good	Bad
	Attemative Route (km)	3,50	No	No	3.00	No

	ct: Naray Lupazila	anganj			Araihazar		
Serial Nu			6	7	9	10	11
Jenai Nu	Population (	thousand)	15	11	15	20	12
	Main Industr		Agriculture, Fishery, Textile, Poultry Farm	Agriculture, Textile	Agriculture, Textile	Agriculture, Textile	Agriculture, Textile
	Major Agricu	iltural Product	Rice, Jute, Wheat, Veg.	Rice, Jute, Wheat, Veg.	Rice, Jule, Wheat, Veg.	Rice, Jute, Wheat, Veg.	Rice, Jute, Wheat, Veg.
		School	6	7	3	10	5
& Area		Clinic	3	5	1	3	2
Influence Area		Bazar	2	2	2	4	4
-	Number of Public	Mosque	8	5	6	15	7
	Facilities	Gov't Office	5	2	2	1	1
	Gov't Office Others		10	5	6	4	4
	Others		34	26	20	37	23
	Passenger	l Car	15	10	15	20	20
	Pickup/Truc		20	20	20	25	20
	Bus		10	4	10	5	8
94	Motorcycle		100	50	50	100	50
Traffic Volume	Rickshaw		200	70	100	250	100
E	Autoricksha	w	50	20	50	40	30
	Bullock Car		0	0	0	0	0
	Pedestrian		1200	1200	1000	2000	1000
	Landuse		Farm	Farm	Farm	Farm	Farm
Bridge Site Condition	Topography	,	Flat	Flat	Flat	Flat	Flat
\ \frac{3}{26} \ \frac{2}{2}	Necessity of	f Realignment of	No	No	No '	No	No
-		Land to be Additionally	No	No	No	No	No
Environmental Issue	Acquired (s	q.m) Houses to be Relocated	No	No	No	No	No
Enviro	<u> </u>	ruction to be Relocated	No	No	No	No	No
	Bridge Len		90	60	90	140	80
Sridge	Span Arrar	<del></del>	15m+3x20m+16m	3x20m	15m+3x20m+15m	20m+4x25m+20m	2x15m+20m+2x15m
Proposed Bridge	Abutment I		5.00	4.50	5.00	5,50	5.50
Pg.	Pier Heigh		7.50	6.00	7.00	8.00	7.50
Remark	<u>.l</u>					A large GC Gopaldi Bazar stands on the north bank.	Shantibazar Is an important GC stants on the bank of the Jangalla Khal.

Zone No: 1

District : Narayangani

	ct : Narayanganj of Upazila		Ban	dar		Rupganj
Serial Nu	mber	12	13	14	15	18
Bridge C	ode	03-03-01	03-03-02	03-03-03	03-03-04	03-04-01
Road ID		367063031	367063025	367063025	367063025	367683041
Road Cla	ss	R1	R1	R1	R1	R1
Chainage	3 (km)	0+400	4+275	4+580	5+470	3+400
	Existing or not	Existing	Not Existing	Not Existing	Not Existing	Not Existing
	Bridge Length (m)	30			<del></del>	
	Bridge Width (m)	3.05				
Condition of Existing Bridge	Carriageway Width (m)	2.75				
xisting	Superstructure Type	RC girder				
9	Abulment Type	Masonry	<del></del>			
onditio	Pier Type	Masonry				
J	Usage of Bridge	Light vehicles only				
	Condition	Damaged				
	Present Navigation Clearance Height (m)	0.50	·			
	Bank to Bank Width (m)	30.00	60.00	20,00	30.00	30.00
	Highest Flood Water Width (m)	33.00	66.00	22,00	40.00	34.00
	Highest Flood Water Depth (m)	4.25	6.50	5.00	5.00	7.00
	Normal Flood Water Width (m)	30.00	60.00	20,00	30.00	30.00
	Normal Flood Water depth (m)	3.25	5.00	4.00	4.00	5.00
	Dry Season Water Width (m)	8.00	10.00	10.00	5.00	5.00
, <b>5</b>	Ory Season Water Depth (m)	1.00	1.00	1.00	1.00	0.30
River Condition	Tidal Fluctuation (m)	0.30	0.30	0.30	0.30	0.30
River	Water Velocity	Slow	Slow	Slow	Medium	Slow
	Angle of Bridge to Stream (deg)	90	90	90	90	90
	Ferry Services	No	No	No	No	No
	Required Navigation Clearance Height (m)	1,00	1.50	1.50	1.00	1.50
	Type of River Traffic	Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Country Boat	Country Boat, Engine bat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	5.20	3.90	3.90	5.50	3.86
70	Carriageway Width (m)	3.86	3.90	3.90	3.90	3.00
n Roa	Embankment Height (m)	1,50	2.40	2.40	2.40	3.00
Approach Road	Surface Type	BC	Earthen	Earthen	BC	Earthen
₹	Surface Condition	Good	Very bad	Very bad	Good	Bad
	Alternative Route (km)	1.00	0.50	0.50	No	No

Name o	f Upazila			Band	lar		Rupgonj
Serial Nu	mber		12	13	14	15	16
	Population (	thousand)	20	10	10	15	20
	Main Industr	y .	Agriculture, Saw Mill	Agriculture, Rice Mill	Agriculture, Rice Mill	Agriculture	Agriculture, Textile
	Major Agrici	ultural Product	Rice, Jute, Veg.	Rice, Jute, Wheat, Veg.	Rice, Jute, Wheat, Veg.	Rice, Jute, Veg., Wheat, S.Cane	Rice, Jute, Weat, Veg
Influence Area		School	10	3	5	5	11
ce Are		Clinic	3	1	1	2	1
Influen		Bazar	4	2	2	3	5
	Number of Public	Mosque	10	7	5	4	15
	Facilities	Gov't Office	15	2	2	2	8
		Others	10	2	2	2	10
		Total	52	17	17	18	50
	Passenger	Car	30	5	6	30	20
	Pickup/Truc	k	20	5	5	15	25
Traffic Volume	Bus		20	0	0	10	20
	Motorcycle		30	5	5	20	10
affic V	Rickshaw	<del></del>	250	100	100	100	150
ä	Autoricksha	w	25	5	5	10	10
	Bullock Car	<u> </u>	2	0	0	2	1
	Pedestrlan		2000	2500	2500	2000	1500
	Landuse		Swamp, W.Land	Farm	Farm	Swamp, W.Land	Farm
Bridge Site Condition	Topography	<del></del>	Flat, Swampy	Flat	Flat	Flat, Swampy	Flat
S S	Necessity o	f Realignment of	No	No	No	No	No
15		Land to be Additionally	No	No	No	No	No
Environmental Issue		louses to be Relocated	No	No	No	No	No
Envir	Other Obstr	uction to be Relocated	No	No	No	No	No
	Bridge Leng	gth (m)	30	60	20	30	30
Proposed Bridge	Span Arran	gement	1x30m	3x20m	1x20m	1x30m	1x30m
pesodo	Abutment H	eight (m)	4.00	4.50	4.00	4.50	5.00
άĔ	Pier Height	(m)	•	8.00	•	•	•
Remarks	Remarks		Approach is not needed. Proposed side situated within Upazila town area.				Surrounding area is cultivated agricultura land. Very essential fi village people.

Zone No: 1 District: Munshiganj

Name of	f Upazila		-	Sadar			Gazarla		
Serial Nur	mber	2	3	.4	5	6	8	9	
Bridge Co	od <b>a</b>	04-01-N1	04-01-N2	04-01-N3	04-01-N4	04-01-N5	04-02-02	04-02-03	
Road ID		359035029	359565046	359565048	359565046	359563011	359243005	359243003	
Road Cla	99	R3	R3	R3	R3	R1	R1	R1	
Chainage	(km)	1+500	2+500	3+000	4+000	3+000	3+500	3+650	
	Existing or not	Not Existing							
	Bridge Length (m)								
	Bridge Width (m)								
Sridge	Carriageway Width (m)								
l Guitsi	Superstructure Type								
Condition of Existing Bridge	Abutment Type								
	Pler Type								
	Usage of Bridge								
	Condition								
	Present Navigation Clearance Height (m)	-			_				
	Bank to Bank Width (m)	30.00	30.00	40.00	50.00	50.00	30.00	25.00	
	Highest Flood Water Width (m)	35.00	35.00	45.00	52.00	55.00	40.00	28.00	
	Highest Flood Water Depth (m)	5.50	5.50	6.00	6.00	5.00	6.50	5.00	
	Normal Flood Water Width (m)	30.00	32,00	42.00	50.00	53.00	30.00	25.00	
	Normal Flood Water depth (m)	4.50	4.50	5.00	5.00	4.00	5.00	4.00	
	Dry Season Water Width (m)	5.00	5.00	8.00	8,00	5,00	10.00	5.00	
g	Ory Season Water Depth (m)	1.00	0.30	0.67	0.75	1.00	1.20	1.00	
River Condition	Tidal Fluctuation (m)	No	0.30	0,30	0.30	0.20	0.20	0.30	
River	Water Velocity	Slow							
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90	
	Ferry Services	No							
	Required Navigation Clearance Height (m)	1.50	1.50	1.50	1.60	1,50	1.50	1.00	
	Type of River Traffic	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Soat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	, Saund	Sound	
	Condition of Riverbed	Sound							
	Total Road Width (m)	4.50	3.00	3.00	3.00	3.66	3.66	4.00	
	Carriageway Width (m)	4.50	3.00	3.00	3.00	3.66	3.66	4.00	
Approach Road	Embankment Height (m)	2.00	2.00	2.00	2.00	1.00	2.00	2.00	
proad	Surface Type	Earthen							
₹	Surface Condition	Bad							
	Alternative Route (km)	No	2.00	2.00	2.00	No	No	No	

lame of	Upazila				Sadar			Gaz	aria
erial Nur			2	3	4	5	6	8	9
	Population (	thousand)	15	15	15	15	12	12	10
	Main Indust	ry	Agriculture, Cold Storage	Agriculture .	Agriculture	Agriculture	Agricuture, Cold Storage	Agriculture, Spinning mill	Agriculture, Spinning mi
	Major Agric	ultural Product	Rice, Potato, Veg.	Rice, Jute, Potato, Veg.	Rice, Jute, Weat, Veg.	Rice, Jute, Weat, Veg.	Rice, Jute, Potato, Veg.	Rice, Jute, Veg.	Rice, Whea
28	<del> </del>	School	5	3	3	3	8	8	7
Influence Area		Clinic	2	1	1	1	0	2	1
hfue		Bazar	2	2	2	2	2	4	2
	Number of Public	Mosque	10	10	10	8	8	7	4
	Facilities	Gov't Office	1	1	2	2	3	0	2
		Others	2	3	4	5	2	1	4
<del></del>		Total	22	20	22	21	23	22	20
	Passenger	Car	8	5	5	5	20	20	30
Traffic Volume	Pickup/Truck		15	10	10	10	25	25	20
	Bus	<del></del>	10	5	5	5	12	5	0
	Motorcycle	<del></del>	40	25	25	25	60	120	20
	Rickshaw		150	100	100	100	150	150	150
<u> </u>	Autoricksh		50	30	30	30	70	20	50
	Bullock Cart		0	5	5	5	. 0	0	0
	Pedestrian		1000	1000	1000	1000	1500	1000	2000
	Landuse		Farm	Farm	Farm	Farm	Farm	Farm	Farm
Bridge Site Condition	Topograph	ny	Flat	Flat	Flat	Flat	Flat	Flat	Flat
S S	Necessity Approach	of Realignment of	No	No	No	No	No	No	No
78		Land to be Additionally	No	No	No	No	No	No	No
sue sue		Houses to be Relocated	No	No	No	No	No	No	No
Environmental Issue	Other Obs	truction to be Relocated	No	No	No	No	No	No	No
	Bridge Le	ngth (m)	30	30	40	50	50	30	25
Proposed Bridge	Span Arra	ngement	1x30m	1x30m	10m+20m+10m	15m+20m+15n	15m+20m+15n	1x30m	1x25m
pesod	Abutment	Height (m)	5.00	4.00	4.50	4.50	4.50	4.50	4.00
- E	Pler Heigl	ht (m)	•	•	6.50	7.00	6.50		
Remark	(S								

Zone No: 1

Distric	ct : Munshiganj	<del>,</del>	<u> </u>				
Name o	f Upazila	<u> </u>		G	azaria		,- <u> </u>
Serial Nu	mber	10	11	12	13	14	15
Bridge Co	ode	04-02-N1	04-02-N2	04-02-N3	04-02-N4	04-02-N5	04-02-N6
Road ID		359243007	359244007	359243007	359244007	359243003	359243003
Road Cla	SS	R1	R2	R1	R2	R1	R1
Chainage	(km)	8+000	7+000	0+800	0+500	3+450	0+100
	Existing or not	Not Existing	Existing				
	Bridge Length (m)						11.00
40	Bridge Width (m)						4.00
Bridge	Carriageway Width (m)						3.66
xisting	Superstructure Type						RC
300	Abutment Type						RC Reversed T.Type
Condition of Existing Bridge	Pler Type						No
J	Usage of Bridge	-					Ali Vehicles
	Condition						Weak
	Present Navigation Clearance Height (m)	-					0.15
	Bank to Bank Width (m)	45.00	35.00	50.00	45.00	10.0Ó	15.00
	Highest Flood Water Width (m)	50.00	38.00	60.00	48.00	12.00	15.00
-	Highest Flood Water Depth (m)	5.00	5.00	6.00	6,50	4.50	5.00
	Normal Flood Water Width (m)	50.00	35.00	50.00	45.00	10.00	15.00
	Normal Flood Water depth (m)	4.00	4.50	5.00	5.50	3.50	4.00
	Dry Season Water Width (m)	8.00	5.00	10.00	30.00	5.00	5.00
pion pi	Dry Season Water Depth (m)	1.20	1.00	1.00	1.00	0.30	1.00
iver Condition	Tidal Fluctuation (m)	0.30	0.33	0.20	0.25	0.30	0.30
Rive	Water Velocity	Slow	Slow	Slow	Slow	Slow	Medlum
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.50	1,50	1.50	1.50	1.00	1.00
	Type of River Traffic	Engine Boat, Country Boat					
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	4.00	4.00	3.66	3.66	4.00	4.00
75	Carriageway Width (m)	4.00	3.66	3.88	3.66	4.00	4.00
Approach Road	Embankment Height (m)	2.00	2.00	1.50	1.50	2.00	2.00
peoudd	Surface Type	Earthen	BC	Earthen	Earthen	Earthen	Earthen
₹	Surface Condition	Bad	Good	Bad	Bad	Bad	Good
	Alternative Route (km)	No	No	No	No	No	No

District: Munshigani
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Vame o	f Upazila		Gazaria 10 11 12 13 14 15						
Serlai Nu	mber		<del></del>						
	Population (thousand)		15	12	10	10	10	12	
	Main Industry		Agriculture, Spinning mill	Agriculture	Agricuture, Cold Starage	Agricuture, Cold Storage	Agriculture, Spinning mill	Agriculture, Spinning mil	
	Major Agricultural Product		Rice, Wheat, Veg.	Rice, Jute	Rice, Wheat, Jute, Veg.	Rice, Wheat, Jute, Veg.	Rice, Wheat, Jule, Veg.	Rice, Wheat, V	
Ę	-	School	5	5	5	6	3	5	
Influence Area		Clinic	2	2	2	1	1	1	
벁		Bazar	3	3	3	2	2	2	
	Number of Public Facilities	Mosque	e e	6	6	7	4	5	
		Gov't Office	3	1	1 '	2	2	2	
		Others	6	5	2	3	4	6	
		Total	25	22	19	21	16	21	
	Passenger	Car	30	30	10	10	30	50	
Traffic Volume	Plckup/Truck		20	20	12	25	20	20	
	Bus		0	0	5	5	0.	0	
	Motorcycle		25	25	100	100	25	30	
	Rickshaw	<del></del>	200	150	150	150	150	200	
=	Autoricksha	w	50	50	25	20	50	50	
	Bullock Cart		0	0	0	0	0	Q	
	Pedestrian		2000	1000	1000	800	2000	2000	
0	Landuse		Farm	Farm	Farm	Farm	Farm	Farm	
Bridge Site Condition	Topography	·	Flat	Flat	Flat	Flat	Flat	Flat	
క్ష్మ్ ర	Necessity of Approach R	f Realignment of oad	No	No	No	No	No	No	
酉		and to be Additionally	No	No	No	No	No	No	
Environmental Issue		louses to be Relocated	No	No	No	No	No	No	
m Ar	Other Obstr	uction to be Relocated	No	No	No	No	No	No	
	Bridge Leng	ith (m)	45	35	50	45	10	15	
Proposed Bridge	Span Arrang	gement	3x15m	10m+15m+10m	15m+20m+15m	3x15m	1x10m	1x15m	
pasodo	Abutment H	eight (m)	4.00	4.00	4.50	5.00	3.50	4.00	
ğ.	Pier Height	(m)	8.00	6,50	6.50	7.00		•	
Remarks									

Zone No: 1

Name of	t : Munshiganj Upazila		Gaza	ria		Tongibari	
Serial Nun		16	17	18	19	23	24
Bridge Co	de	04-02-N7	04-02-N8	04-02-N9	04-02-N10	04-03-04	04-03-05
Road ID		359243003	359243003	359243003	359243003	359945031	359945037
Road Clas	is	R1	R1	R1	R1	R3	R3
Chainage		3+350	3+726	5+600	4+920	0+000	0+750
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Existing	Not Existing
	Bridge Length (m)					20.00	
	Bridge Width (m)					2.00	
idge	Camlageway Width (m)					1.75	
Sting B	Superstructure Type					Timber	
Condition of Exi	Abutment Type	·				Wooden	
	Pler Type	<del></del>				Wooden	
	Usage of Bridge					Pedestrians only	
	Condition					Fair	
	Present Navigation Clearance Height (m)					1.00	
	Bank to Bank Width (m)	25.00	20.00	300.00	30,00	20.00	20.00
	Highest Flood Water Width (m)	27.00	25.00	300,00	32.00	25.00	23.00
	Highest Flood Water Depth (m)	5.00	5.00	5.50	5.00	6.00	6.00
	Normal Flood Water Width (m)	25.00	20.00	300.00	30.00	20.00	20.00
	Normal Flood Water depth (m)	4.00	4.00	4.50	4.00	5.00	5.00
	Dry Season Water Width (m)	6.00	5.00	20.00	5.00	5.00	5.00
   <sub>E</sub>	Dry Season Water Depth (m)	1,00	1.00	2.20	1,00	0.50	0.50
ondibio	Tidal Fluctuation (m)	0.30	0.30	0.30	0.30	0.30	0.30
River Condition	Water Velocity	Slow	Slow	Slow	Slow	Slow	Slow
} "	Angle of Bridge to Stream (deg)	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No
-	Required Navigation Clearance Height (m)	1.00	1.00	1.50	1.00	1.50	1.50
	Type of River Traffic	Engine Boat, Country Boat					
	Condition of Bank	Sound	Sound	Sound	Sound	Eroded	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	4.00	4.00	4.00	4.00	3.00	3.00
	Carriageway Width (m)	4.00	4.00	4.00	4.00	3.00	3.00
Road	Embankment Height (m)	2.00	2.00	2.00	2.00	2.00	2.00
Approach Road	Surface Type	Earthen	Earthen	BC/Earthen	Earthen	Earthen	Earthen
₹	Surface Condition	Bad	Bad	Bad	Bad	Bad	Bad
	Alternative Route (km)	No	No	No	No	No	No

Zone-1

District: Munshiganj Tongibari Gazaria Name of Upazila 24 19 17 18 16 Serial Number 18 20 10 12 15 Population (thousand) Agriculture, Cold Agriculture, Cold Power Plant, Agriculture, Spinning Agriculture, Agriculture, Spinning Storage, Poulty Storage, Poulty Farm Main Industry mill. Power Plant, Cement Factory Spinning mill mili Farm Rice, Wheat, Jute, Rice, Wheat, Jute, Rice, Wheat, Jute, Rice, Wheat, Veg. Rice, Wheat, Veg. Rice, Wheat, Veg. Veg. Potato, Veg. Major Agricultural Product Veg. 10 10 School 6 4 influence Area 4 4 1 2 2 Clinic 2 3 3 2 2 3 Bazar Number of 8 10 8 В в Public Mosque 8 Facilities 5 2 7 2 2 2 Gov't Office 5 10 6 6 6 10 Others 43 34 22 21 27 Total 31 5 30 5 30 30 30 Passenger Car 5 20 20 5 20 20 Pickup/Truck 5 . 5 ٥ 0 ٥ û Bus raffic Volume 30 30 30 30 30 30 Motorcycle 150 150 200 150 200 150 Rickshaw 50 30 30 50 50 50 Autorickshaw 0 0 0 0 Builock Cart 2500 2000 2000 2000 2500 2000 Pedestrian Residence Farm Residence Farm Farm Farm Landuse Bridge Site Condition Flat Flat Flat Flat Flat Flat Topography No Necessity of Realignment of No No Νo No No Approach Road No Necessary Land to be Additionally No No No No No Acquired (sq.m) No No No No Nο Number of Houses to be Relocated No Νo No No Νo Other Obstruction to be Relocated No Nο 20 20 30 20 300 25 Bridge Length (m) Proposed Bridge 1x20m 1x30m 1x20m 12x25m 1x25m 1x20m Span Arrangement 4.00 4.00 4.00 3.50 4.00 4.00 Abutment Height (m) 10.00 Pler Height (m) Remarks

Zone No: 1

District : Munshigani

	ct : Munshiganj f Upazila		Tongibari		Sreenagar	Siraj	dikhan
Serial Nu	mper	25	26	27	28	31	32
Bridge Co	de	04-03-N1	04-03-N2	04-03-N3	04-04-01	04-05-02	04-05-03
Road ID		359943008	359945028	Not Identified	359054001	359744013	359744022
Road Cla	55	R1	R3	R1	R2	R2	R2
Chainage	(km)	0+400	0+150	0+050	2+200	7+970	2+500
	Existing or not	Not Existing	Existing	Existing	Not Existing	Not Existing	Not Existing
	Bridge Length (m)		20.00	15.00			
_	Bridge Width (m)		1.00	1.00			
Bridge	Carriageway Width (m)		1.00	1.00			
Condition of Existing Bridge	Superstructure Type		Timber	Timber			
n of	Abutment Type		Wooden	Wooden			
andilic	Pier Type		Wooden	Wooden			
٠ 	Usage of Bridge		Pedestrians only	Pedestrians only			
	Condition		Fair	Fair			
	Present Navigation Clearance Height (m)		0.50	0.50	<del></del>		
	Bank to Bank Width (m)	40.00	20.00	15.00	35.00	80,00	95.00
	Highest Flood Water Width (m)	42,00	22.00	15.00	40.00	90.00	100.00
	Highest Flood Water Depth (m)	6.25	6.50	6.30	5.5Q	6.50	6.50
	Normal Flood Water Width (m)	40.00	20.00	15.00	35.00	80.00	100.00
	Normal Flood Water depth. (m)	5.25	5.50	5.30	4.50	5.50	5.50
	Dry Season Water Width (m)	10.00	8.00	5.00	10.00	20.00	20.00
iţion	Dry Season Water Depth (m)	0.50	0.75	0.50	0.50	1.20	1.00
River Condition	Tidal Fluctuation (m)	0.30	0.33	0.30	No	No	0,33
Rive	Water Velocity	Slow	Medlum	Slow	Slow	Medlum	Medium
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.50	1.50	1.50	1.50	1.50	1,50
	Type of River Traffic	Engine Boat, Country Boat					
	Condition of Bank	Sound	Eroded	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	7.20	2.00	3.66	3.66	5.20	4.20
7	Carriageway Width (m)	7.20	2.00	3.66	3.66	3.66	4.20
Approach Road	Embankment Helght (m)	2.50	3.00	2.25	1.00	3.00	2.00
, pproac	Surface Type	Earthen	Earthen	Earthen	Earthen	BC	Earthen
∢	Surface Condition	Good	Very Bad	Good	Bad	Good	Good
	Alternative Route (km)	1.50	0.50	1.00	No	No	No

	ct: Muns f Upazila	higanj		Tongibari		Sreenagar	Sirajdi	khan
Serial Nu			25	26	27	28	31	32
Senai Nu	Population (	thousand	20	20	20	12	50	30
	Main Indust		Agriculture, Cold Storage	Agriculture, Cold Storage	Agriculture	Agriculture, Cold Storage	Agriculture, Textile, Cold Storage	Agriculture
	Major Agric	ultural Product	Rice, Wheat, Jule, Veg.	Rice, Wheat, Jute, Veg.	Rice, Wheat, Jute, . Veg.	Rice, Jute, Veg.	Rice, Wheat, Jule, Veg.	Rice, Wheat, Jute, Veg.
3		School	4	10	4	3	14	8
Influence Area		Clinic	2	4	1	1	4	3
Influe		Bazar	2	2	2	2	5	4
	Number of Public	Mosque	5	10	4	10	45	10
	Facilities	Gov't Office	1	7	1	2	5	2
		Others	3	10	3	1	4	3
		Total	17	43	15	19	77	30
<del></del>	Passenger	<u> </u>	10	5	5	20	20	30
	Pickup/Truck		10	10	5	15	30	30
	Bus	···	5	0	0	5	100	10
g E	Motorcycle		30	20	25	60	50	20
Traffic Volume	Rickshaw	<u></u>	100	150	100	150	200	200
ļ Ē	Autoricksh		30	30	20	30	100	100
	Bullock Ca		0	0	0	0	. 0	0
	Pedestriar		1000	2000	1000	1100	3000	2000
	Landusa	'	Farm	Residence	Farm	Farm	Residence	Farm
Bridge Site Condition	Topograpi		Fait	Flat	Fait	Falt	Flat	Flat
\$ §		of Realignment of	No	No	No	No	No	No
	Approach Necessar	Road y Land to be Additionally	No	No	No	No	No	No
Environmental	Acquired (	(sq.m) f Houses to be Relocated	<del> </del>	No	No	No	No	No
inviron Iss		struction to be Relocated	No	No	No	No	No	No
			40	20	15	35	80	95
ridge		ngth (m)	10m+20m+10m	<del></del>	1x15m	10m+15m+10m	2x15m+20m+2x15m	15m+4x20m
Proposed Bridge	-	Ingement Height (m)	4.50	4.50	4.50	4.50	5.00	5.00 -
Prop	<del></del>		7.00			6.50	8.00	8,50
Rema	Pler Height (m) Remarks						15m & 50m approach road is required. 80m bridge span is required than previous proposed 60m.	

Zone No: 1

Name of	t : Munshiganj Upazila		Sirajdik	han		Louhajang	
Serial Nun	nber	33	35	36	37	38	
Bridge Co	de	04-05-04	04-05-N1	04-05-N2	04-05-N3	04-06-01	
Road ID		359744015	359743009	359742004	359743009	359443023	
Road Clas	38	R2	R1	FR8	R1	R1	
Chalnage	(km)	0+000	1+200	0+000	0+900	3+300	
	Existing or not	Not Existing					
	Bridge Length (m)						
	Bridge Width (m)						
Condition of Existing Bridge	Carrlageway Width (m)						
isting	Superstructure Type						
nof	Abutment Type						
onditio	Pier Type						
3	Usage of Bridge						
	Condition						
	Present Navigation Clearance Height (m)						
	Bank to Bank Width (m)	95.00	20.00	30.00	25,00	35.00	
	Highest Flood Water Width (m)	100.00	25.00	35.00	30.00	38.00	
	Highest Flood Water Depth (m)	6.50	4.50	8.00	4.00	6.00	
	Normal Flood Water Width (m)	100.00	20,00	30.00	25.00	35,00	
	Normal Flood Water depth (m)	4.50	3.50	5.00	3.00	5.00	
	Dry Season Water Width (m)	10.00	0.00	5.00	0.00	10.00	
وي إ	Dry Season Water Depth (m)	1.00	0.00	0.50	0.00	1.20	
Condition	Tidal Fluctuation (m)	No	No	No	No	0.30	
River.	Water Velocity	Medium	Slow	Slow	Slow	Medium	
	Angle of Bridge to Stream (deg)	90	90	90	90	90	
	Ferry Services	No	No	No	No	Na	
	Required Navigation Clearance Height (m)	1.50	1.50	1.50	1,50	1.00	
	Type of River Traffic	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	
	Condition of Riverbed	Sound	Sound	Sound	Sound	Scoured	
	Total Road Width (m)	3.66	3.66	7.00	3.66	4.20	
_	Carriageway Width (m)	3.66	3.66	7.00	3.66	3.66	
Approach Road	Embankment Height (m)	2.00	2.00	2.00	1.50	2.00	
ppmac	Surface Type	Earthen	Earthen	Earthen	Earthen	BC/HBB Earthe	
₹	Surface Condition	Good	Good	Good	Good	Good	
	Alternative Route (km)	No	No	No	No	No	

Zone-1

District: Munshiganj

	ct: Muns f Upazila			Sirajd	khan		Louhajang
Serial Nu	mber	<del> </del>	33	35	36	37	38
<del></del>	Population (thousand)		55	20	20	15	20
	Main Indus	try	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture, Cold Storage
	Major Agric	ultural Product	Rice, Wheat, Jute, Veg.	Rice, Wheat, Jute, Veg.	Rice, Wheat, Jute, Veg.	Rice, Wheat, Jule, Veg.	Rice, Wheat, Jule, Ve
<u>ā</u>		School	20	8	8	. 7	6
Influence Area		Clinic	8	2	2	2	
ngu.		Bazar	4	4	3	4	2
	Number of Public	Mosque	35	15	7	15	14
	Facilities	Gov't Office	2	2	3	2	
		Others	10	10	10	10	1
	Total		76	41	33	40	23
<u> </u>	Passenger Car		ger Car 10 25 20		25	20	
	Pickup/Truck		20	50	30	, 50	20
	Bus		10	10	20	10 ,	20
	Motorcycle		30	50	50	50	20
Traffic Volume	Rickshaw		200	200	250	200 .	150
-	Autoricksha	aw	100	50	100	50	50
	Bullock Cart		0	o	Q	0	0
	Pedestrian		2000	2000	3000	2000	1500
• -	Landuse	······································	Farm	Farm	Farm	Farm	Farm
Bridge Site Condition	Topograph	y .	Flat	Flat Flat		Flat	Flat
£ 3	Necessity of Approach F	of Realignment of Road	No	No	No	No	No
豆	Necessary Acquired (s	Land to be Additionally	No	Na	No	No	No
Environmental Issue		Houses to be Relocated	No	No	No	No	No
Envi	Other Obst	ruction to be Relocated	No	No	No	No	No
	Bridge Len	gth (m)	95	20	30	25	35
. Bridg	Span Arran	gement	15m+4x20m	1x20m	1x30m	1x25m	10m+15m+10m
Proposed Bridge	Abutment I	leight (m)	4.00	3.75	5.00	3.25	4.50
Æ	Pier Height	(m)	7.00	•	•	•	6,50
Remarks							

Zone No: 1

Distr	ict : Manikganj	Ola - ba-t-							
Name	of Upazila	<u> </u>		Sli	nghair				
Serial N	Serial Number 1 2 3 5 6 7								
Bridge (	Code	05-01-01	05-01-02	05-01-03	05-01-05	05-01-06	05-01-07		
Road II	)	356823025	356825015	356823025	356822005	356823019	356823020		
Road C	ass	R1	R3	R1	FRB	R1	Rf		
Chainag	ge (km)	0+600	0+000	2+600	2+400	1+200	2+100		
	Existing or not	Not Existing	Existing	Not Existing	Existing	Not Existing	Not Existing		
	Bridge Length (m)		40.00		6.00				
a	Bridge Width (m)		1.20		3.66				
Condition of Existing Bridge	Carriageway Width (m)		1.00		3.40				
cisting	Superstructure Type		Bamboo		Bamboo				
on of E	Abutment Type		Bamboo		Masonry				
ondition	Pler Type		Bamboo		No				
	Usage of Bridge		Pedestrians only		Pedestrians only				
	Condition		Weak		Collapsed				
	Present Navigation Clearance Height (m)		1.00		0.60				
	Bank to Bank Width (m)	50.00	35.00	60.00	46.00	40:00	50,00		
	Highest Flood Water Width (m)	60.00	45.00	70.00	70.00	55,00	65.00		
	Highest Flood Water Depth (m)	6.00	5.20	4.50	5.78	8.12	5.75		
	Normal Flood Water Width (m)	55.00	40.00	40.00	60.00	40.00	50,00		
	Normal Flood Water depth (m)	5,00	3.50	3.00	4.25	6.75	4.25		
	Dry Season Water Width (m)	0.00	20.00	0.00	28,00	22.00	0.00		
dition	Dry Sesson Water Depth (m)	0.00	1.75	0.00	0.55	1.60	0.00		
River Condition	Tidal Fluctuation (m)	No	No	No	No	No	No		
Rive	Water Velocity	Medium	Slow	Medlum	Medium	Medlum	Medium		
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90		
	Ferry Services	No	No	No	No	No	No		
	Required Navigation Clearance Height (m)	1.00	1.00	1.50	1.50	1.00	1.50		
	Type of River Traffic	Country Boat	Country Boat	Country Boat	Engine Boat, Country Boat	Country Boat	Country Boat		
	Condition of Bank	Sound	Sound	Sound	Eroded	Eroded	Eroded		
	Condition of Riverbed	Sound	Sound	Sound	Scoured	Scoured	Scoured		
	Total Road Width (m)	4,88	3,65	4.80	4.80	4.80	4.80		
<b>8</b>	Carriageway Width (m)	3.05	3.05	3.05	3.66	3.05	3.05		
Approach Road	Embankment Height (m)	2,40	1.65	1.50	2.65	2.25	1.50		
eardo	Surface Type	Earthen	Earthen	Earthen	BC/WBM	BC/Earthen	Earthen		
	Surface Condition	Good	Fair	Good	Good	Fair	Fair		
	Alternative Route (km)	No	No	No	No	No	No		

Zone-1

District: Manikganj

	ict: Mani of Upazila	ingarij	Singhair								
		<del></del>	<del> </del>								
Serial N			1	2	3	5	6	7			
	Population	(thousand)	5	5	5	8	6.5	8			
	Main Indus	try .	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture			
	Major Agricultural Product		Rice, S.Cane, Wheat	Rice, Jute, Wheat, Veg.	Rice, Jute, S.Cane	Rice, Jute, Wheat, Veg.	Rice, Jute, Wheat, Veg.	Rice, Jute, S.Cane Patotoes, Veg.			
Influence Area		School	10	10	10	12	6	8			
fluenc		Clinic	2	2	2	3	2	2			
Ē		Bazar	4	· 2	4	5	2	3			
	Number of Public	Mosque	8	7	10	17	12	12			
	Facilities	Gov't Office	1	0	2	2	1	0			
		Others	3	3	4	5	3	3			
		Total	28	24	32	44	26	28			
	Passenger	Car	10	5	15	26	6	8			
Traffic Volume	Pickup/Truck		100	2	30	18	12	10			
	Bus		2	2	0	5	3	2			
	Motorcycle	<u>`</u>	40	7	25	16	10	10			
	Rickshaw	<del></del>	70	12	50	200	65	40			
	Autoricksha	#	20	6	15	5	8	5			
	Bullock Cart		0	0	0	0	0	0			
	Pedestrian		2000	700	500	1200	1170	1500			
e gg	Landuse		Farm	Farm	Farm	Farm	Farm	Farm			
Bridge Site Condition	Topography		Flat	Flat	Flat	Flat	Flat	Flat			
8 C	Approach Ro		No	No	No	Yes	No	No			
B _	Necessary L Acquired (sq	and to be Additionally .m)	No	No	No	No	400	No			
Environmental Issua	Number of H	ouses to be Relocated	No	No	No	No	2	No,			
ű	Other Obstru	ction to be Relocated	No	No	No	No	No	No			
<b>8</b>	Bridge Lengt	h (m)	50	40	60	60	40	50			
Proposed Bridge	Span Arrang	ement	15m+20m+15m	10m+20m+10m	3×20m	3x20m	10m+20m+10m	15m+20m+15m			
sodou	Abutment He	light (m)	4.00	4.00	4.00	4.50	4.00	4.00			
۵.	Pier Height (	m)	7.00	7.00	6.50	7.75	7,00	8.75			
emarks		·	,	Scouring/erosion observed on the both sides of the canal which will need proper attention during detail design.		Existing open foundation culvert is fully damaged due to smaller span length in comparison to required opening for discharge.					

Zone No: 1 District : Manikganj

Name	Name of Upazila Serial Number		Singhair	·	Sh	lbalay	Sa	iturla
Serial N	lumber	8	9	10	13	20	21	22
Bridge	Code	05-01-08	05-01-N1	05-01-N2	05-02-03	05-02-N2	05-03-01	05-03-02
Road IC	)	356823013	356823031	356823045	356763005	356783004	356702004	356702004
Road C	lass	Rt	R1	R1	R1	R1	FRB	FRB
Chaina	ge (km)	3+900	4+320	3+590	7+503	2+982	2+000	5+800
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Existing	Not Existing	Existing
	Bridge Length (m)					10.00		15.00
80 -	Bridge Width (m)					4.28		3.66
Condition of Existing Bridge	Carriageway Width (m)					4.00		3.42
xisting	Superstructure Type		-			RC		RC
on of E	Abutment Type		1			Masonry		Maaonry
Conditi	Pler Type					No pier		RC Column
Ū	Usage of Bridge					All vehicles		All Vehicles
	Condition					Damaged	i d	Collapsed
	Present Navigation Clearance Height (m)					1.00		2.00
	Bank to Bank Width (m)	30.00	83.00	80.00	80.00	17.00	85,00	40.00
	Highest Flood Water Width (m)	50,00	110.00	100,00	100.00	20.00	100.00	50.00
	Highest Flood Water Depth (m)	6.00	6.30	6.00	6,10	5.00	4.80	4.90
	Normal Flood Water Width (m)	40.00	90.00	80.00	69.00	15.00	B5.00	40.00
	Normal Flood Water depth (m)	3.80	5.50	5.00	5.40	4.00	3.80	2.65
	Dry Season Water Width (m)	18.00	11.50	20.00	28.00	5.00	30.00	20.00
dition	Dry Season Water Depth (m)	0.65	0.60	1.00	2.10	1.00	1.05	1.50
River Condition	Tidal Fluctuation (m)	No	No	No	No	No	No	No
Riv	Water Velocity	Medium	Medium	Medium	Medium	Slow	Medium	Fast
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.00	1,50	1.00	1.00	1.00	1.00	1.50
ĺ	Type of River Traffic	Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Country Boat, Engine Boat	Country Boat	Country Boat	Country Boat
	Condition of Bank	Sound	Eroded	Sound	Sound	Sound	Sound	Eroded
	Condition of Riverbed	Sound	Scoured	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	4.80	4.65	4.90	3.66	4.88	4.88	3.50
<b>,</b>	Carriageway Width (m)	3.05	3.66	3.05	3.05	3.66	3.05	3.10
Approach Road	Embankment Height (m)	1.60	2.76	1.50	2.85	2.00	2.25	2.00
Approa	Surface Type	BC/Earthen	Earthen	нев	BC/Earthen	вс	HBB/Earthen	нвв
-	Surface Condition	Good	Fair	Good	Bad	Good	Good	Fair
	Alternative Route (km)	No	No	No	No	No	Мо	No

Zone-1

District: Manikgani

Name o	/ Upazila			Singhair		Shib	alay	Satu	ria
Serial Nu	mber		8	9	10	13	20	21	22
	Population	(thousand)	7.5	6	12	3	10	13	7.8
	Main Indust	ry	Agriculture	Agriculture	Agriculture	Agriculture, Saw mill	Agriculture, Commercial	Agriculture	Agriculture
	Major Agric	ultural Product	Rice, Jute, Wheat, Frui ts, Veg. S.Cane	Rice, Jute, Wheat, Veg. S.Cane	Rice, Jute, Veg.	Rice, Jute, Veg, Onion, Green chilli	Rice, Jute, Weat, S.Cane, Onlon	Rice, Fruits, Veg. S.Cane	Rice, Jule, S.Cane, Veg,
Area	<del> </del>	School	16	10	8	18	10	3	10
Influence Area		Clinic	3	5	2	2	4	2	2
Ĕ		Bazar	3	2	3	5	3	4	3
	Number of Public	Mosque	15	12	12	20	12	3	15
	Facilities	Gov't Office	2	2	2	3	2	0	0
		Others	7	6	5	5	3	3	8
		Total	46	37	32	53	34	15	36
	Passenger	Car	5	12	30	25	25	20	8
	Pickup/Truc	ok .	6	15	20	15	40	30	4
	Bus		2	2	0	16	50	. 0	0
oleme	Motorcycle		8	8	100	5	60	30	10
Traffic Volume	Rickshaw	<del></del>	40	100	150	60	450	100	60
F	Autoricksha	w	6	7	15	10	35	10	15
	Bullock Car	t	0	0	0	0	10	0	0
	Pedestrian		1000	800	1500	500	1200	1000	1000
	Landuse		Farm	Farm	Farm, Meadow	Farm	Residence	Residence, Meadow	Farm
Bridge Site Condition	Topography		Flat	Flat	Flat	Flat	Flat	Flat	Flat
- E O	Necessity of Approach F	f Realignment of toad	No	No	No	No	No	No	No
Por Tal	Necessary Acquired (s	Land to be Additionally q.m)	. No	No	No	No	No	No	No
Environmental Issue	Number of	Houses to be Relocated	No	No	No	No	No	No	No
á	Other Obst	ruction to be Relocated	No	No	No	No	No	No	No
	Bridge Leng	gth (m)	40	90	80 2x15m+20m	80 15m+15m+20m	20	90	40
ked Bri	Span Arran	gement	10m+20m+10m	15m+3x20m+15m	+2x15m	+15m+15m	1x20m	15m+3x20m+15m	
Propos	Span Arrangement Abutment Height (m)		4.00	4.00	4.50	4.50	5.00	4.00	4.00
<u> </u>	Pier Height	(m)	7.00	8.00	8,00	8.50	•	7.00	6.50
Remarks			This Bridge will connect FRA and Mitara Bus Stand. It also connects number of hat or bazar, school and madrasha. So the bridge will ease communication.				The existing bridge is fully damaged and needs immediate replacement.		Existing structure is under water, it was damaged in 1998 flood.

Zone No: 1

District : Manikganj

	ct : Manikganj	Saturia									
Name o	of Upazila		<del></del>	<b>.</b>	Saturia			<del></del>			
Serial Nu	ımber	23	25	26	27	28	29	30			
Bridge C	ode	05-03-03	05-03-05	05-03-08	05-03-07	05-03-N1	05-03-N2	05-03-N3			
Road ID		356703031	356702004	356703005	356702005	356703037	356703003	356703006			
Road Cla	928	R1	FRB	R1	FRB	R1	R1	R1			
Chainag	e (km)	7+200	0+500	4+200	3+100	0+950	3+000	8+300			
	Existing or not	Not Existing	Not Existing	Not Existing	Existing	Existing	Not Existing	Not Existing			
	Bridge Length (m)				14.00	8.00					
	Bridge Width (m)				4.27	3.00		,			
Bridge	Carriageway Width (m)				3.66	3.00					
xisting	Superstructure Type				RC	RC					
Condition of Existing Bridge	Abutment Type	-			Masonry	Masonry					
onditio	Pier Type				No	No					
°	Usage of Bridge				All Vehicles	Pedestrians only					
	Condition				Damaged	Collapsed					
	Present Navigation Clearance Height (m)				0.60	No					
	Bank to Bank Width (m)	80.00	90.00	73.00	20.00	30.00	190.00	190.00			
	Highest Flood Water Width (m)	90.00	100.00	86.00	25.00	40.00	200.00	210.00			
	Highest Flood Water Depth (m)	5.20	6.00	4.85	7.00	4.00	6.70	5.50			
	Normal Flood Water Width (m)	87.00	70.00	70.00	15.00	35.00	190.00	190.00			
	Normal Flood Water depth (m)	3.50	5,50	3.50	6.00	3.00	5,00	4,50			
	Dry Season Water Width (m)	25.00	20.00	25.00	12.00	15.00	100.00	30.00			
ligon	Dry Season Water Depth (m)	1.00	1.00	0.50	2.00	1.00	2.00	1.80			
River Condition	Tidal Fluctuation (m)	No	No	No	No	No	No	No			
P. P.	Water Velocity	Medlum	Medium	Medlum	Slow	Slow	Fast	Medlum			
	Angle of Bridge to Stream (deg)	90	90	90	90	80	90	90			
	Ferry Services	No	No	No	No	No	No	No			
	Required Navigation Clearance Height (m)	1.00	1.00	1.00	1.00	No	3.00	1.00			
	Type of River Traffic	Country Boat	Country Boat	Country Boat	Country Boat	Na	Engine Boat, Country Boat	Country Boat			
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Eroded	Eroded			
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Scoured	Scoured			
	Total Road Width (m)	3.90	4.00	3,10	4.88	4.50	4.80	4,88			
_	Carriageway Width (m)	3.90	3,68	3.10	3.66	3.00	4.80	3.66			
Approach Road	Embankment Height (m)	2.50	2.50	1.50	2.10	2.00	2,00	2.15			
proac	Surface Type	Earthen	Earthen	Earthen	WBM/HBB	Earthen	Earthen	Earthen			
₹	Surface Condition	Good	Good	Bad	Fair	Good	Good	Good			
	Alternative Route (km)	No	No	No	No	No	No	No			

Zone-1

District: Manikgani

Name o	f Upazila	· · · · · · · · · · · · · · · · · ·			•	Saturia			
Serial Nu	mber		23	25	26	27	28	29	30
-	Population	(thousand)	18	15	5	12	20	40	30
	Main Indust	гу	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture
	Major Agric	ultural Product	Rice, Jute, Veg. S.Cane	Rice, Jute, Veg. S.Cane	Rice, Jute, Weat, S.Cane, Veg	Rice, Jute, Weat, S.Cane, Veg.	Rice, Jute, Veg.	Rice, Jute, Veg.	Rice, Jute, S.Cano
Area		School	4	8	10	5	8	6	8
influence Area		Cilnic	1	3	3	2	3	3	3
Ē		Bazar	3	3	2	2	5	5	4
	Number of Public	Mosque	5	10	12	2	7	8	5
	Facilities	Gov't Office	2	0	0	0	1	0	0
		Others	3	1	2	3	0	6	3
		Total	18	25	29	14	24	28	23
	- <del> </del>		60	70	200	2	10	10	20
	Passenger Car		<del></del>	40 .	5	0	15	15	5
	Pickup/Truck		30		ļ <u>.</u>			<del></del>	<del></del>
9	Bus		25	30	0	0	0	0	10
Traffic Volume	Motorcycle		25	30	12	12	25	50	25
Traff	Rickshaw	···	200	200	200	5	100	500	70
	Autorickshaw		150	12	25	6	20	25	. 8
		Bullock Cart		0	0	0	0	0	15
	Pedestrian		1000 Farm,	1000	2000	1200	5000	5000 Farm/	400
Site	Landuse	<del>-</del>	Residence	Farm	Residence	Farm	Farm	Residence	Meadow
Bridge Site Condition	Topography	f Realignment of	Flat	Flat	Flat	Flat	Flat	Flat	Flat
	Approach F	load	No	No	No	No	No	No	No No
entat	Necessary Acquired (s	Land to be Additionally q.m)	No	No	No	No	No	No	No
Environmental Issue	Number of	Houses to be Relocated	No	No	No	No	No	No	No
<u></u>	Other Obstr	uction to be Relocated	No	No	No	No	No	No	No
<u>8</u> .	Bridge Leng	jth (m)	80	90	70	20	30	190	190
Proposed Bridge	Span Arran	gement	2x15m+20m +2x15m	15m+3x20m+15m	2x25m+20m	1x20m	1x30m	20m+6x25m+20m	20m+6x25m+20m
2000	Abutment H	leight (m)	5.00	5.50	4.00	6.50	6.00	6.00	5,00
<u> </u>	Pier Height	(m)	8.50	7.00	6.50	•	•	10,00	6.50
Remarks									

Zone No: 1

Name	of Upazila				Doulatpu	r		
Serial N	Number	34	35	36	37	38	39	40
Bridge	Code	05-04-02	05-04-03	05-04-04	05-04-05	05-04-08	05-04-07	05-04-08
Road II	)	358104008	356103008	356102002	356102002	356102002	358102002	356103009
Road C	ilass	R2	R1	FRB	FRB	FRB	FRB	R1
Chaina	ge (km)	8+440	0+458	2+650	3+089	3+352	3+913	1+030
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Not Exiating	Not Existing	Not Existin
	Bridge Length (m)			_				
æ	Bridge Width (m)							
Condition of Existing Bridge	Carriageway Width (m)							
xisting	Superstructure Type							
on of E	Abutment Type						,	
ondili	Pier Type							
Ü	Usage of Bridge							
	Condition							
	Present Navigation Clearance Height (m)					~···		
	Bank to Bank Width (m)	100.00	86.00	46.00	25.00	46.00	41.00	50,00
	Highest Flood Water Width (m)	130.00	100.00	70.00	40.00	60.00	60.00	65.00
	Highest Flood Water Depth (m)	6,50	7.00	4.00	4.00	4.00	4.50	5.60
	Normal Flood Water Width (m)	100.00	90.00	60.00	25.00	56.00	40,00	50.00
	Normal Flood Water depth (m)	5.50	6.00	3.50	2.50	3.00	3.25	4.00
	Dry Season Water Width (m)	45.00	40.00	0.00	0.00	0,00	0.00	12.00
ugg	Dry Season Water Depth (m)	0.90	2.80	0,00	0.00	0.00	0.00	0.75
er Condition	Tidal Fluctuation (m)	No	No	No	No	No	No	No
Š	Water Velocity	Medium	Medium	mulbeM	Medlum	Slow	Slow	Slow
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	2.00	1.00	0.50	0.50	0.50	1.00	1.00
	Type of River Traffic	Cargo, Country Boat	Engine Boat, Country Boat	Country Boat	Country Boat	Country Boat	Country Boat	Engine Boat Country Boa
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	4.87	3.00	3.65	3.00	3.65	3.65	4.25
, l	Carriageway Width (m)	3.05	3.00	3.65	3.00	3.65	3.65	3.05
Approach Road	Embankment Height (m)	1.87	2.50	2.00	2.00	2.50	2.50	3.00
Boodo	Surface Type	Earthen	Earthen	Earthen	Earthen	Earthen	Earthen	Earthen
` [	Surface Condition	Fair	Good	Good	Good	Good	Good	Fair
	Alternative Route (km)	No	. No	No	No	No	No	No

	t: Manil	kganj				Doulatpur			
	Upazila				36	37	36	39	40
Serial Nur	<del>,</del>		34	35		<del></del>			9
	Population (	thousand)	15	33 Agricultrue,	25	30	30		
	Main Indust	y	Agricultrue	Commercial	Agricultrue	Agricultrue	Agricultrue	39 29 Agricultrue, Commercial  Rice, Jute, Fruits Veg. S.cane  8 1 2 8 1 3 19 10 20 0 50 120 20 80 800 Residence, Meadow Flat No No No	Agricultrue
	Major Agric	ultural Product	Rice, Wheat, Jute	Rice, Jute, Fruits Veg. S.cane	Rice, Jute, Veg, S.cane	Rice, Jute, Veg. S.cane	Rice, Veg. S.cane		Rice, Jute, Veg, Onion
Area		School	4	5	6 ,	6	6	6	12
Influence Area		Clinic	2	t	1	1	1	1	3
in the second		Bazar	2	2	2	2	2	2	2
	Number of Public	Mosque	10	4	4	4	6	6	10
	Facilities	Gov't Office	2	1	1	1	1	1	0
	Others Total Passenger Car		7	3	3	3	3	3	3
			27	16	17	17	19	19	30
<u></u>			5	25	10	10	10	10	4
				15	20	20	20	20	2
			2	0	0	0	0	· · · · · · · · · · · · · · · · · · ·	2
<b>e</b>	Bus				50	50	50		8
Traffic Volume	Motorcycle		12	30			120		75
Traff	Rickshaw	<u></u>	130	150	120	120	20		20
	Autorickshaw	aw	6	10	20	20			10
		Autorickshaw Bullock Cart		70	80	700	700		600
	Pedestrian		685	1000	700	Farm, Meadow	Residence,		Farm, Meadow
Si Site	Landuse	<del></del>	Residence	Residence, Meadow	Farm, Meadow Flat	Flat	Meadow Flat		Flat
Bridge Site Condition	Topograph Necessity	of Realignment of	Flat	Flat	No	No	No		No
ļ	Approach		No	No	<u></u>	No	No		No
nen de	Acquired (	(т.ра	No	No	No				No
Environmental Issue		Houses to be Relocated	No	No	No	No	No No		No
<u> </u>	Other Obstruction to be Relocated		No	No	No 50	No 30	No 50		50
idge	Bridge Ler		100	90 15m+3x20m+15m	15m+20m+15m	<del></del>	15m+20m+15m	10m+20m+10m	15m+20m+15m
8	Span Arrangement  Abutment Height (m)		5x20m	5.00	4.00	3.00	3.50	4,50	4.50
Propo	Pier Heigh	Height (m)	7.50	8.00	6,00		5.00	6,00	7.00
Remark	Remarks						After completion, the bridge will establish direct connection from Doulatpur Upazila H/Q to the Amtall Hat, Bachamara GCR.	After completion of BR direct connecting Sumutpur, Jointa, Gotabagh, Bonna village, Ambil bazar, Bachamara GE to the Upazilla H/Q Daulatpur.	1

Zone No: 1

District: Manikganj Doulatpur Name of Upazila 47 49 48 Serial Number 42 43 44 48 05-04-11 05-04-12 Q5-04-N1 05-04-N2 05-04-N3 05-04-N4 05-04-10 Bridge Code 356104021 356104021 356103010 356102001 356104001 Road ID 356102003 356102003 FRB FRB R2 R2 R2 R1 FRB Road Class 4+700 1+400 0+550 0+000 5+250 6+520 3+420 Chainage (km) Not Existing Not Existing Not Existing Not Existing Existing Not Existing Existing Existing or not 50.00 12.00 Bridge Length (m) 0.20 4.25 Bridge Width (m) Condition of Existing Bridge 3.66 0.20 Carriageway Width (m) RC slab girder Bamboo Superstructure Type bridge Bamboo RC Returned Abutment Type Bamboo Pier Type Pedestrians All Vehicles Usage of Bridge only Condition Damaged Weak 1.00 1.50 Present Navigation Clearance Height (m) 60.00 50.00 60.00 45.00 38.00 60.00 Bank to Bank Width (m) 60.00 69.00 Highest Flood Water Width (m) 78.00 56,00 48.00 78.00 70.00 63.00 6.95 6.80 6.70 5.50 6.50 6.20 Highest Flood Water Depth (m) 60.00 50.00 60.00 50.00 Normal Flood Water Width (m) 60.00 38.00 40.00 4.25 5.00 5.50 3.50 5.28 5.35 5.60 Normal Flood Water depth (m) 12.50 25.00 18.00 0.00 30.00 27.00 Dry Season Water Width (m) 2.55 0.50 0.45 1.50 1.00 Dry Season Water Depth (m) 1.60 0.00 Condition No No Νo No Νo Tidal Fluctuation (m) No Slow Slow Medium Slow Slow Slow Water Velocity 90 Angle of Bridge to Stream (deg) 90 90 90 90 90 No No Nο No No Nο No Ferry Services 1.00 1.50 1.00 1.00 1,00 Required Navigation Clearance Height (m) 1.00 Country Boat, Country Boat, Country Boat, Country Boat **Country Boat** Type of River Traffic Country Boat Country Boat Engine Boat Engine Boat **Engine Boat** Sound Sound Sound Eroded Condition of Bank Sound Sound Sound Scoured Sound Sound Sound Sound Sound Condition of Riverbed 4.50 3.50 3.15 3.45 4.20 Total Road Width 4.25 4.87 3.05 3.05 3,66 3.66 3.66 3.50 3.15 Carriageway Width (m) Approach Road 3.00 2.00 2.75 1.80 2.10 2.15 1.78 Embankment Height (m) **BC/Earthen** BC Earthen Earthen Earthen Earthen Surface Type **BC/Earthen** Fair Fair Good Fair Fair Fair Surface Condition Good No Nρ No No Alternative Route (km)

	t: Manil	(ganj	<del></del>			Davilatava			<del></del>
Name of	Upazila		<del></del>	<del></del>		Doulatpur	<del></del>		
Serial Nur	nber		42	43	44	46	47	48	49
	Population (	thousand)	5.8	6.8	9	12	4	5,5	6.1
	Main Indust	ry	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture
	Major Agrico	ultural Product	Rice, Jute, Veg. Onion	Rice, Wheat, Veg.	Rice, Jute, Wheat, Veg, Onion	Rice, Jute, Veg.	Rice, Jute, Veg. Onion	Rice, Wheat, Jute, Veg. Onion	Rice, Jute, Veg. Onion
Area		School	6	8	10	5	6	5	5
Influence Area		Clinic	2	1	2	1	1	1	2
Ē		Bazar	2	2	2	2	1	1	1
	Number of Public	Mosque	6	5	5	6	2	2	1
	Facilities	Gov't Office	1	0	1	0	0	0	0
		Others	3	3	6	2	2	2	0
		Total	20	19	26	16	12	11	9
	Passenger Car		5	6	3	4	5	5	6
	Pickup/Truc		0	5	5	O.	2	0	2
	Bus		0	2	3	. 0	0	. 0	1
PEN P	Motorcycle		10	10	20	8	6	8	17
Traffic Volume	Rickshaw		120	125	150	50	35	50	165
	Autoricksha		8	10	10	3	3	6	5
	Bullock Car		50	100	0	25	0	25	25
	Pedestrian		800	680	700	500	400	350	526
9 -	Landuse		Residence	Residence	Farm, Meadow, Swamp	Residence	Farm	Residence	Residence
Bridge Site Condition	Topography	y	Flat	Flat	Flat	Flat	Flat	Flat	Flat
E 3	Necessity of	of Realignment of Road	No	No	No	No	No	No	No
豆	Necessary Acquired (s	Land to be Additionally	No	No	No	No	No	No	No
Environmental Issue		Houses to be Relocated	No	No	No	No	No	No	No
Ē	Other Obst	ruction to be Relocated	No	No	No	No	No	No	No
8.	Bridge Len	gth (m)	60	50	40	60	60	50	60
Proposed Bridge	Span Arran	ngement	3x20m	15m+20m+15m	10m+20m+10m	3x20m	3x20m	15m+20m+15m	3x20m
asodo	Abutment I	Height (m)	5.00	4.00	4.50	5.00	4.00	4.50	5.00
<u> </u>	다 Pler Height (m)		7.00	6.00	7.00	7.50	7.00	6.28	7.50
Remarks								This road will connect Khalase UP, Khalase bazar and Thakurkandi.	This road will connect Rowha and Shamganj bazar,

Zone No: 1

nie	tr	ict	•	Man	ika	ani	
-13	) LI			HIGH	шпч	4111	

Distri	ct : Manikganj				<del></del> -	<del></del>		
Name o	of Upazila			·····	lorirampur			
Serial Nu	umber	50	51	53	. 54	55	56	57
Bridge C	ode	05-05-01	05-05-02	05-05-04	05-05-N1	05-05-N2	05-05-N3	05-05-N4
Road ID		356283025	356282001	356283006	356263005	356282002	356283002	356283012
Road Cla	ass	R1	FR8	R1	R1	FRB	R1	R1 -
Chainag	e (km)	3+750	0+675	1+560	3+450	7+780	4+750	0+330
	Existing or not	Existing	Not Existing	Existing	Not Existing	Existing	Not Existing	Existing
	Bridge Length (m)	40.00		40.00		45.00		15.00
	Bridge Width (m)	0,10		1.50		0.30		3.05
Bridge	Carriageway Width (m)	0.10		1.50		0.30		2.75
disting	Superstructure Type	Bamboo		Bamboo		Bamboo		RC slab girder bridge
Condition of Existing Bridge	Abutment Type	Bamboo		Bamboo		Bamboo		RC Reversed T. Type
ondilio	Pier Type	Bamboo		Bamboo		Bamboo		No
٥	Usage of Bridge	Pedestrians only		Pedestrians only		Pedestrians only		All Vehicles
	Condition	Weak		Weak		Weak		Damaged
	Present Navigation Clearance Height (m)	0.50		1.50		0.70		08.0
	Bank to Bank Width (m)	45.00	60.00	50.00	55.00	30.00	, 65.00	15.00
	Highest Flood Water Width (m)	70.00	80.00	70.00	70.00	35.00	70.00	18.00
	Highest Flood Water Depth (m)	5.00	5.00	4.50	6.50	5.00	6.00	5.00
	Normal Flood Water Width (m)	50.00	70.00	55.00	70.00	30.00	60,00	15.00
	Normal Flood Water depth (m)	3.50	4.00	3.00	4.50	4.00	5.00	3.00
	Dry Season Water Width (m)	0.00	20.00	30.00	10.00	0.00	0.00	0.00
tion	Dry Season Water Depth (m)	0.00	1.00	0.50	0.50	0.00	0,00	0.00
River Condition	Tidal Fluctuation (m)	No	No	No	No	No	No	No
R. Ye	Water Velocity	Slow	Slow	Medium	Medium	Slow	Slow	Slow
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.50	2.00	1.50	1.50	1.00	1.00	1.00
	Type of River Traffic	Engine Boat	Engine Boat	Country Boat	Country Boat, Engne Boat	Country Boat	Country Boat	Country Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound	Sound .
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	3.00	3.66	4.88	3,66	3.66	3.66	4.88
	Carriageway Width (m)	3.00	3.88	3.66	3.66	3,66	3.86	3.05
Approach Road	Embankment Height (m)	2.50	2.50	3.00	2,00	3,00	3.00	2,80
) becords	Surface Type	Earthen	Earthen	вс	Earthen	Earthen	Earthen	нвв
<	Surface Condition	Bad	Bad	Good	Fair	Fair	Fair	Fair
	Alternative Route (km)	No	0.85	No	No	No	No	No

lame o	f Upazila				Н.	orirampur	<u>, , , , , , , , , , , , , , , , , , , </u>		
erial Nu	mber		50	51	53	54	55	56	57
	Population (	thousand)	15	20	8	10	8	9	7
	Main Industr	ry	Agriculture, Commercial	Agriculture	Agriculture	Agriculture, Commercial	Agriculture	Agriculture	Agriculture
	Major Agrice	ultural Product	Rice, Jute, S.Cane	Rice, Jute, Veg. S.Cane	Rice, Fruits, Veg. S.Cane, Onion	Rice, Wheat, Jute, Veg. S.Cane, Onion	Rice, Wheat, Jute, Veg. S.Cane	Rice, Jute, Veg. S.Cane	Rice, Wheat, Jute, Veg. S.Cane
Area		School	5	25	4	7	8	6	5
influence Area		Clinic	2	6	2	2	2	3	1
Ē		Bazar	2	4	2	3	3	3	3
	Number of Public	Mosque	6	10	3	5	10	6	8
	Facilities	Gov't Office	2	4	1	0	0	2	1
	:	Others	4	6	3	5	8	6	5
		Total	21	55	15	22	31	26	23
	Passenger Car		7	20	20	12	21	8	12
	ļ		10	10	20	15	10	10	10
-	Pickup/Truck		5	25	15	20	12	6	15
	Bus			50	40	25	18	8	16
	Motorcycle		20	200	200	75	125	220	200
	Rickshaw		200	30	25	30	6	16	5
	<del> </del>	Autorickshaw		30	5	7	2	20	0
		Bullock Cart		700	400	1000	1200	250	800
	Pedestrian		1800 Farm, Market	Farm, Residence		Farm, Meadow	Residence	Farm	Farm, Residen
Site	Landuse		Area Flat	Flat	Flat	Flat	Flat	Flat	Flat
Bridge Site Condition	Topograph Necessity	of Realignment of	No	No	No	No	No	No	No
	Approach   Necessary	Road Land to be Additionally	No	No	No	No	No	No	No
Environmental Issue	Acquired (	sq.m)		No	1	No	No	No	No
nviron Iss		Houses to be Relocated	No 1 Shop	No	No	No	No	No	No
ш.	Bridge Ler	truction to be Relocated	50	60	50	60	30	60	15
Proposed Bridge	Span Arra		15m+20m+15m	3x20m	15m+20m+15m	3x20m	1x30m	3x20m	1x15m
peso	ļ	Height (m)	4.50	4.50	4.50	4.50	4.50	4.50	4.50
Prop	Pier Heigh		7.00	7.00	6.00	8.00	•	7.00	•
Remark									

Zone No: 1 District : Manikgani

	ict : Manikganj of Upazila	Horira	mpur			Gheor		
Sedal Nu	umber	58	59	61	62	63	64	65
Bridge C	code	05-05-N5	05-05-N6	05-06-02	06-06-N1	05-06-N2	05-06-N3	05-06-N4
Road ID		356283009	356283025	356223004	356222001	356223009	356223009	356223007
Road Cla	253	R1	R1	R1	FRB	R1	R1	R1
Chainag	e (km)	0+920	3+250	2+370	7+882	4+580	6+670	4+910
<del></del>	Existing or not	Existing	Existing	Not Existing	Existing	Not Existing	Existing	Not Existing
	Bridge Length (m)	20.00	20,00		27.00		50.00	
	Bridge Width (m)	0.20	1.00	····	2.50		0.30	···
Sridge	Carriageway Width (m)	0.20	1.00	,,	2.00		0.30	
isting E	Superstructure Type	Bamboo	Bamboo		Timber		Bamboo	
Condition of Existing Bridge	Abutment Type	Bamboo	Bamboo		RC Reversed T. Type		Bamboo	
andition.	Pier Type	Bamboo	Bamboo		RC pile bent		Bamboo	
රි	Usage of Bridge	Pedestrians only	Pedestrians only		Light vehicles. Pedestrian		Pedestrians only	
1	Condition	Weak	Weak		Damaged		Weak	
1	Present Navigation Clearance Height (m)	0.50	1.00		0.50		0.30	·
	Bank to Bank Width (m)	25.00	25.00	30.00	30.00	50.00	50,00	80.00
1	Highest Flood Water Width (m)	50.00	25.00	50,00	30.00	65.00	60.00	90.00
1	Highest Flood Water Depth (m)	5.00	5.00	4.00	4.50	5.00	5.25	8.00
1	Normal Flood Water Width (m)	32.00	20.00	30.00	25.00	50.00	45.00	85.00
1	Normal Flood Water depth (m)	4.00	3.00	3.00	3.00	3.50	4.50	6.00
	Dry Season Water Width (m)	20.00	0.00	10.00	0.00	26.00	18.00	10.00
E io	Dry Season Water Depth (m)	1.50	0.00	1.00	0.50	1.20	0.80	1.00
River Condition	Tidal Fluctuation (m)	No	No	No	No	No	No	No
River	Water Velocity	Medium	Slow	Slow	Medium	Medium	Medium	Medium
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.00	1.00	1.00	0.60	1,00	1,50	1.00
	Type of River Traffic	Country Boat	Country Boat	Country Boat	Country Boat	Country Boat	Country Boat	Country Boat
	Condition of Bank	Eroded	Sound	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	3.00	3.00	3.30	4,88	4.27	4.65	3.66
_	Carriageway Width (m)	3.00	3.00	3.00	3.66	3.05	3,05	3,05
ğ		2.00	2.50	1.50	1.50	1.40	1.80	2,00
ď	Embankment Helght (m)	2.00	4					
proach Re	Embankment Height (m) Surface Type	Earthen	Earthen	Earthen	BC	Earthen	BC/Earthen	Earthen
Approach Road			Earthen Fair	Earthen Good	BC Good	Earthen Good	BC/Earthen Good	Earthen Good

Zone-1 District: Manikgani

Name of Upazila         Horirampur         Gheor           Serial Number         58         59         61         62         63         64									
Serial Nu	mber		58	59	61	62	63	64	65
	Population	(thousand)	40	25	15	50	15	5	45
	Main Indust	гу	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture
	Major Agric	ultural Product	Rice, Jute, Veg. S.Cane	Rice, Jute, Veg.	Rice, Jute, Sugarcance, Onion	Rice, Jute, Veg. Onlon	Rice, Jute, Fruits. Veg. S.Cane	Rice, Jute, Veg. S.Cane	Rice, Jute, Veg. S.Cane
Area		School	7	3	6	6	10	10	7
Influence Area		Clinic	3	3	1	4	3	3	3
3	-	Bazar	3	3	2	4	3	4	2
	Number of Public	Mosque	7	5	2	6	4	9	6
	Facilities	Gov't Office	2	2	1	7	8	3	4
	Others		8	3	2	3	4	3	5
		Total	28	19	14	· 32	32	32	27
	Total Passenger Car		12	10	40	60	35	30	50
4ume	<u> </u>		11	5	30	30	28	50	30
	rickup/ riuck		<del></del>		25	40	6	15	20
	Bus		0	4		100	30	30	70
ic Vole	Motorcycle		15	20	150			150	200
Traffic Volume	Rickshaw		200	100	200	250	100	<del> </del>	
	Autorickshaw		13	3	25	30	10	20	80
	Bullock Ca		2	3	50	50	0	0	80
	Pedestrian		1500	500 Residence	1500	5000	1200	500	6000
Site	Landuse	<del> </del>	Residence	Meadow	Residence	Residence	Meadow	Meadow	Meadow
Bridge Site Condition	Topograph	y of Realignment of	Flat	Flat	Flat	Flat	Flat	Flat	Flat
	Approach i	Road	No	No	No	No	No	No	No
le de la	Acquired (s	Land to be Additionally sq.m)	No	No	No	No	No	No	No
Environmental Issue	Number of	Houses to be Relocated	No	No	No	No	No	No	No
ů.	Other Obst	ruction to be Relocated	, No	No	No	No	No	No	No
<u>8</u>	Bridge Len	gth (m)	30	25	30	30	50	50	80 15m+15m+20m
Proposed Bridge	Span Arrar	ngement	1x30m	1x25m	1x30m	1x30m	15m+20m+15m	15m+20m+15m	15m+15m
Sodor	Abutment I	Height (m)	4.00	4,00	4.50	5.00	4.50	4.00	5.00 9.00
	Pier Heigh	t (m)	<u> </u>	•	· ·	•	7.00	7.00	9.00
Remarks	Remarks			Relocation of a House is required.	The proposed bridge will connect Dhaka - Aricha highway to Jabra UP, Gheor UP, Jabra hat.	The existing bridge is damaged and is not suitable for vehicular traffic. The bridge needs replacement.			
				:		replacement.			

Zone No: 1

District : Manikgani

	ct : Manikganj f Upazila	Gh	eor			S	adar		
Serial Nu	mber .	66	67	69	70	72	73	74	75
Bridge C	ode	05-06-N5	05-06-N6	05-07-02	05-07-03	05-07-05	05-07-N1	05-07-N2	05-07-N3
Road ID		356223005	358223014	356462006	356463025	356463034	356465029	358483023	356464007
Road Cla	158	R1	R1	FRB	R1	R1	R3	R1	R2
Chainage	a (km)	4+500	0+050	0+000	5+100	1+650	0+800	0+800	1+700
	Existing or not	Existing	Not Existing	Existing	Not Existing	Not Existing	Not Existing	Existing	Not Existing
	Bridge Length (m)	40.00		70.00				19.50	
	Bridge Width (m)	0.30		0.30				1.75	
Bridge	Carriageway Width (m)	0.30		0,30				1.75	
disting	Superstructure Type	Bamboo		Bamboo				8amboo	
Condition of Existing Bridge	Abutment Type	Bamboo		Bamboo				Bamboo	
onditio	Pler Type	Bamboo		Bamboo				Bamboo	
Q	Usage of Bridge	Pedestrians only		Pedestrians only				Pedestrians only	
	Condition	Weak		Damaged				Weak	
	Present Navigation Clearance Height (m)	No	•	1.00				No	
	Bank to Bank Width (m)	40.00	70.00	75.00	160.00	50.00	50.00	30.00	75.00
	Highest Flood Water Width (m)	65.00	85.00	75.00	200.00	60.00	65.00	38,00	85.00
	Highest Flood Water Depth (m)	6.00	6.00	5.82	7.50	7.00	4.93	6.83	5.46
	Normal Flood Water Width (m)	40.00	70.00	60.00	160.00	50.00	40,00	30,00	60.00
	Normal Flood Water depth (m)	5.00	3.50	3.97	6.59	5.50	3.65	5.35	3.67
	Dry Season Water Width (m)	25,00	10.00	20.00	10.00	10.00	0.00	12.65	20.00
Go	Dry Season Water Depth (m)	0,80	1.00	0.55	0.80	0.60	0.00	1.12	0.40
River Condition	Tidal Fluctuation (m)	No	No	No	No	No	No	No	No
Rive	Water Velocity	Slow	Fast	Medium	Medium	Medium	Medlum	Slow	Medlum
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.00	2.00	1.00	2.00	1.00	1.00	1.00	1.00
	Type of River Traffic	Country Boat	Country Boat	Country Boat	Country Boat	Country Boat	Country Boat	Country Boat	Shallow Boat, Country Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Eroded	Sound	Eroded
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Scoured	Sound	Sound
	Total Road Width (m)	3.10	3.00	7.32	4.88	4.88	3.60	3.65	3,66
	Carriageway Width (m)	3.05	2.50	3.68	3.05	3.05	3.05	3.05	3.66
h Roak	Embankment Height (m)	1.50	2.50	2.00	2.50	2.00	1.65	2.35	2.50
Approach	Surface Type	Earthen	Earthen	Earthen	Earthen	Earthen	BC/Earthen	Earthen	Earthen
							1		
₹	Surface Condition	Good	Good	Good	Good	Bad	Fair	Bad	Good

Zone-1

District: Manikgani Sadar Gheor Name of Upazila 74 75 73 69 70 72 66 67 Serial Number 8 15 7 7 10 10 50 5 Population (thousand) Agriculture, Agriculture Agriculture, Agriculture, Agriculture Agriculture Agriculture Agriculture Main Industry Commercial Commercial Manufacturing Commercial Rice, Wheat Rice, Jute, Rice, Jute. Rice, Jute, Rice, Jute, Veg. Rice, Jute, Rice, Jute, Jute. Rice, Jule, Veg. S.Cane. Weat, Veg. Major Agricultural Product Fruits, Veg. S.Cane, Tobaço Veg. S.Cane Veg. S.Cane S.Cane, Veg S.Cane Bamboo S.Cane S.Cane Tobaco 7 influence Area 7 2 4 7 4 10 School 2 2 1 1 3 Clinic 2 2 2 2 3 3 2 3 3 8azar Number ( 12 10 5 2 3 5 7 Public Mosque Facilities 2 1 0 ٥ 5 4 2 1 Gov't Office 3 3 2 3 2 3 5 3 Others 18 24 26 17 23 10 28 Total 20 12 20 10 30 5 5 5 40 Passenger Car 15 15 2 5 15 30 8 Pickup/Truck 2 2 17 15 8 20 a Bus raffic Volume 18 40 25 3 12 10 30 100 Motorcycle 110 50 150 50 100 300 200 Rickshaw 12 12 15 15 25 20 80 Autorickshaw 0 0 0 0 0 20 **Bullock Cart** ٥ 300 1100 600 650 8000 500 500 500 Pedestrian Farm, Farm Residence Residence Farm Meadow Residence Farm, Meadow Landuse Meado Bridge Site Condition Flat Flat Flat Flat Flat Flat Flat Topography Necessity of Realignment of No No No No No No No Nο Approach Road Necessary Land to be Additionally No No No No No No No No Environmental

Νφ

No

70

20m+2x25m

5.00

9.00

No

No

40

10m+20m+10m

4.00

7.00

No

No

75

3x25m

4.50

7.50

The

proposed

lliw egbird

connect

Dautla GC

with FRA.

No

Nο

160

20m+4x25m

+2x20m

4.50

9.50

No

No

15m+20m+15m

4.50

7.00

No

Nο

75

3x25m

5.00

7.50

Connectina

Sadar Upazila

(Bangladesh

hat) to Saturia

Upazila via Tille

Hat.

No

No

50

15m+20m+15m

4.00

7.00

No

30

1x30m

4,50

Acquired (sq.m)

Bridge Length (m)

Span Arrangement

Abutment Height (m)

Pier Height (m)

Proposed

Remarks

Number of Houses to be Relocated

Other Obstruction to be Relocated

	t : Narsingdi Upazila	Raipura	Balab	o	Shibpur
erial Nur		3	11	14	19
Bridge Co		06-02-01	06-03-01	06-03-N1	06-06-01
Road ID		368643008	368073014	388073020	368763018
Road Cla		R1	R1	R1	R1
Chainage		0+446	9+400	0+010	9+320
- Italiasa	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing
	Bridge Length (m)				
	Bridge Width (m)				
96	Carriageway Width (m)				
Condition of Existing Bridge	Superstructure Type				
K Exist					
ition c	Abutment Type				
8	Pier Type				
	Usage of Bridge	<u> </u>			
	Condition				
	Present Navigation Clearance Height (m)	80.00	130.00	130.00	30.00
	Bank to Bank Width (m)	90.00	140.00	140,00	32.00
	Highest Flood Water Width (m)	5.50	6.10	5.50	6.00
	Highest Flood Water Depth (m)	80.00	130,00	130.00	30.00
	Normal Flood Water Width (m)		5.00	4.50	5.00
	Normal Flood Water depth (m)	4.50	80.00	38.00	20.00
	Dry Season Water Width (m)	10.00	1.00	1.00	1,00
River Condition	Dry Season Water Depth (m)	0.80	No	No	No
Š	Tidal Fluctuation (m)	No	<u> </u>	Medlum	Medium
<u> </u>	Water Velocity	Medljm	Medlum 90	90	90
	Angle of Bridge to Stream (deg)	90	No No	No	No
ļ	Ferry Services	No		1,50	1.50
	Required Navigation Clearance Height (m)	1.50	1.50	Country Boat	Country Boat, Engine Boa
1	Type of River Traffic	Country Boat	Country Boat	Eroded	Sound
	Condition of Bank	Sound	Sound	Scoured	Sound
	Condition of Riverbed	Sound	Sound	4,27	3.00
	Total Road Width (m)	4.26	3.05	<u> </u>	3.00
9	Carriageway Width (m)	3.00	3.05	3.05	1.50
Approach Road	Embankment Height (m)	1,85	0.90	2.00	Earthen
bbroak	Surface Type	WBM/Earthen	Earthen	Earthen	Fair
₹	Surface Condition	Fair	Fair	Fair	<u> </u>
	Alternative Route (km)	No	No	No	No

Zone-1

District: Narsingdi

	of Upazila		Ralpura	Bala	abo	Shibpur
Serial Nu	ımber		3	11	14	19
	Population	(thousand)	12	8.5	8.5	7
	Main Indus	try	Agriculture, Commercial, Manufacturing	Agriculture	Agriculture	Agriculture
	Major Agric	ultural Product	Rice, Wheat, Ju te, Veg.	Rice, Fruits, Veg.	Rica, Wheat, Jute, Fruits, Veg.	Rice, Fruits, Veg.
, a		School	5	5	6	5
Influence Area		Clinic	2	2	3	1
Jernguj		Bazar	4	4	3	2
	Number of Public Facilities	Mosque	6	15	7	4
	T domination	Gov't Office	3	2	2	0
	Others		4	4	3	3
	Total		24	32	24	15
	Passenger Car		5	8	8	5
	Pickup/Truc	k	12	6	30	5
	Sus		15	0	0	3
Traffic Volume	Motorcycle		30	15	6	20
Traffic	Rickshaw		120	150	150	75
	Autoricksha	w	15	25	5	10
	Bullock Car		0	0	0	10
	Pedestrian		3000	1500	600	600
eg c	Landuse		Farm	Residence	Residence	Residence, Meadow
Bridge Site Condition	Topography		Flat	Flat	Flat	Flat
	Necessity of Road	Realignment of Approach	No	No	No	No
# Issue	Necessary t Acquired (so	and to be Additionally a.m)	No	No	No	No
Environmental Issue	Number of i	louses to be Relocated	No	No	No	No
Enviro	Other Obstr	uction to be Relocated	No	No	No	No
<b>ይ</b>	Bridge Leng	th (m)	80	130	130	30
ad Bridg	Span Arrang	jement	2x15m+20m+2x15m	4x20m+2x25m	4x20m+2x25m	1x30m
Proposed Bridge	Abutment H	eight (m)	4.00	5,00	5,00	4.50
	Pier Height (	(m)	7.00	8.00	7.00	•
Remarks					Tender invited under RTIP project	

Zone No: 4 District : Rajbari

	ict : Rajbari of Upazila		Baliakandi		Pangsha	Ghoyalondo
Serial N	lumber	8	10	11	12	13
Bridge (	Code	11-02-02	11-02-N1	11-02-N2	11-03-01	11-04-01
Road ID		382073015	382073004	382073046	369033033	382295055
Road Cl		R1	R1	R1	R1	R3
Chainag	******	3+250	0+830	0+960	5+520	0+740
	Existing or not	Existing	Existing	Existing	Existing	Not Existing
	Bridge Length (m)	52,00	53.00	38.00	31.00	
	Bridge Width (m)	0.20	0.20	0.20	1.45	<u>-</u>
ебр			0.20	0.20		· · · · · · · · · · · · · · · · ·
Condition of Existing Bridge	Carriageway Width (m)	0.20	<u> </u>		1.20	
(Exist	Superstructure Type	Bamboo	Bamboo	Bamboo	Bamboo	· · · · · · · · · · · · · · · · · · ·
ition o	Abutment Type	Bamboo	Bamboo	Bamboo	Bamboo	
Con	Pier Type	Bamboo	Bamboo	Bamboo	Bamboo	
	Usage of Bridge	Pedestrinas only	Pedestrinas only	Pedestrinas only	Pedestrinas/R.Van	·
	Condition	Weak	Weak	Weak	Weak	
	Present Navigation Clearance Height (m)	2.10	3.00	2.30	0.70	
	Bank to Bank Width (m)	46.00	54.00	41.00	127.00	64.00
	Highest Flood Water Width (m)	55.00	58.00	50.00	127.00	70.00
	Highest Flood Water Depth (m)	6.10	5.80	8.60	5.80	6.80
	Normal Flood Water Width (m)	48.00	43.00	35.00	35.00	42.00
	Normal Flood Water depth (m)	3.20	3.40	5.30	3.60	3.00
	Dry Season Water Width (m)	10,00	25.00	20.00	20.00	10.00
lition	Dry Season Water Depth (m)	0.80	0.65	0.80	0.80	0.20
River Condition	Tidal Fluctuation (m)	No	No	No	No	No
Rive	Water Velocity	Fast	Medium	Medium	Medlum	Medium
	Angle of Bridge to Stream (deg)	90	90	90	90	90
	Ferry Services	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.80	1.00	2.00	0.80	1.00
	Type of River Traffic	Country boat	Country boat	Cargo Engine boat	Country boat	Country boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	6.15	6.30	4.80	5.80	6.30
-4	Carriageway Width (m)	6.15	6.30	4.80	3.66	6.30
Approach Road	Embankment Height (m)	2.14	2.15	0.70	4.10	7.85
proad	Surface Type	Earthen	Earthen	Earthen	8C/Earthen	Earthen
₹	Surface Condition	Good	Good	Good	Good	Good
	Alternative Route (km)	No	No	4.00	No	No

Name o	of Thana			Baliakandi		Pangsha	Ghoyalondo
Serial Nu	mber		8	10 ,	11	12	13
	Population	(thousand)	20	20	15	25	5
	Main Indust	try	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture
	Major Agric	ultural Product	Rice, Jute, Veg., S.Cane	Rice, Wheat, Jute, S.Cane	Rice, Jute, S.Cane	Rice, Wheat, S.Cane	Rice, Jute, S.Cane
		School	6	8	5	8	3
Area		Clinic	1	2	1	2	1
Influence Area		Bazar	2	2	2	2	2
	Number of Public	Mosque	8	10	8	10	3
	Facilities	Gov't Office	1	2	1	3	0
		Others	2	4	4	4	3
	Total		20	28	21	29	12
	Passenger	Car	4	4	3	12	2
[.	Pickup/Truck		2/8	8/5	4/6	8/12	2/2
	Bus		4	4	4	4	2
	Motorcycle	· · · · · · · · · · · · · · · · · · ·	20	25	25	30	4
Traffic Volume	Rickshaw		130	150	150	180	50
_	Autorickshaw		12	16	12	16	8
	Bullock Car	t	8	8	6	8	5
	Pedestrian		1200	2500	2000	3000	600
9.6	Landuse		Farm	Farm	Farm	Farm	Farm
Bridge Site Condition	Topography	/	Flat	Flat	Flat	Flat	Flat
a o	Necessity of Approach F	of Realignment of Road	No	No	Yes	No	No
lssue	Necessary Acquired (s	Land to be Additionally q.m)	No	Na	850	Na	No
Environmental Issue	Number of	Houses to be Relocated	Na	No	No	No	No
Enviro	Other Obst	ruction to be Relocated	12 Tress, 2 shops	Nο	8 Trees, 1 shop	No	No
<b>_</b>	Bridge Len	gih (m)	50	55	50	125	65
d Bridg	Span Аггал	gement	15m+20m+15m	15m+25m+15m	15m+20m+15m	5x25m	20m+25m+20m
Proposed Bridge	Abutment I	leight (m)	4,40	5.00	4.00	4,50	7.80
	Pier Height	(m)	7.00	7.00	9.00	9.10	10.00
Remarks			80m bank protection work is required along the east bank at the meeting point of Sonapur Khal.	The bank of the Khal is almost vertical, so necessary bank protection work may be considered during detail design.	The South bank of the river is almost vertical, so bank protection work may be required.	The North approach a Shahaj Uddin Para is ic and flat like surroundin paddy fleid.	

Name of	Upazila		Kasiani			Muksedpur	
Serial Nurr	nber	7	9	10	12	13	16
Bridge Cod	de	12-02-08	12-02-N1	12-02-N2	12-03-02	12-03-03	12-03-06
Road ID		345433019	345434016	345434009	346583020	345584005	346543011
Road Clas	35	R1	R2	R2	R1	R2	R1
Chainage	(km)	2+460	0+000	0+000	2+360	2+830	7+900
-	Existing or not	Existing	Existing	Not Existing	Existing	Existing	Not Existing
	Bridge Length (m)	42,00	50.00		50.00	54.00	
	Bridge Width (m)	1.90	0.20		0.20	0.20	
ridge	Carriageway Width (m)	1.70	0.20		0.20	0.20	
Condition of Existing Bridge	Superstructure Type	Bamboo	Bamboo		Bamboo	Bamboo	
of Exi	Abutment Type	Bamboo	Bamboo		Bamboo	Bamboo	
adition	Pier Type	Bamboo	Bamboo		Bamboo	8amboo	
3	Usage of Bridge	Pedestrians, R.Van	Pedestrians only		Pedestrians only	Pedestrians only	
	Condition	Fair	Weak		Weak	Weak	
	Present Navigation Clearance Height (m)	2.10	2.80		1.30	1.80	
	Bank to Bank Width (m)	43.00	52.00	45,00	48.00	55.00	40.00
	Highest Flood Water Width (m)	55.00	58.00	60.00	53.00	55.00	43.00
	Highest Flood Water Depth (m)	5.90	6.20	6.30	5.70	5.30	5.29
	Normal Flood Water Width (m)	45.00	49.00	45.00	51,00	53.00	42.00
	Normal Flood Water depth (m)	4.30	3.60	3.90	3,80	3.80	3,60
	Dry Season Water Width (m)	10.00	40.00	15.00	30.00	42.00	20.00
5	Dry Season Water Depth (m)	0.90	2.80	0.80	0.80	0.90	0.90
Condition	Tidal Fluctuation (m)	0.70	1.20	1.10	1.10	0.60	0.90
River	Water Velocity	Medium	Medium	Fast	Fast	Medium	Fast
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	3.00	3.00	3.00	3.00	2.80	3.00
	Type of River Traffic	Big Cargo, Engine Boat	Big Cargo, Engine Boat	Big Cargo, Engine Boat	Big Cargo, Engine Boat	Blg Cargo, Engine Boat	Big Cargo, Engir Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	4.88	4.80	4.90	4.30	4.80	3.90
	Carriageway Width (m)	2.70	3.06	3.66	3.95	4.80	3.90
Road	Embankment Height (m)	2.65	3.40	3.40	2.85	2.90	1.90
Approach Road	Surface Type	Earthen	BC/Earthen	8C/Earthen	Earthen	H8B/Earthen	Earthen
₹	Surface Condition	Good	Good	Good	Good	Good	Fair
	Atternative Route (km)	No	No	No	No	No	No

	ct:Gop	algonj		Kasiani			Muksedpur	
	· · · · · · · · · · · · · · · · · · ·		7	9	10	12	13	18
Serial Nu	T .						20	20
	Population	(thousand)	15	25	15	20		
	Main Indust	ry	Agriculture	Agriculture	Agriculture Rice, Jute, Pulse,	Agriculture	Agriculture	Agriculture
	Major Agric	uitural Product	Rice, Fishery	Rice, Jute, S.Cane	Tobaco	Rice, Jule, Pulse	Rice, Jute, Pulse	Rice, Jute, Pulse
Influence Area		School	6	6	5	6	6	
ce Are		Clinic	2	2	2	2	1	1
Influen	Number of	Bazar	2	1	2	2	2	2
	Public Facilities	Mosque	3	10	10	10	8	8
	Gov't Office		2	3	. 1	2	2	1
	Others		3	4	4	4	2	3
	Total		18	26	24	26	21	21
	Passenger Car		4	6	3	5	3	3
	Pickup/True	ck	6/8	6/9	5/7	6/8	6/8	4/8
	Bus		6	4	5	6	4	4
okuma	Motorcycle		25	25	20	18	25	16
Traffic Volume	Rickshaw		130	150	130	120	140	90
_	Autorickshaw		16	. 18	12	16	16	18
	Bullock Ca	rt	В	8	6	6	8	3
	Pedestrian		1500	1500	1200	1200	1200	1000
<b>6</b> ) _	Landuse	·	Farm	Residence, Commercial	Farm, Commedial	Farm	Farm	Farm
Bridge Site Condition	Topograph	у .	Swampy	Flat	Flat	Flat	Flat	Flat
83	Necessity of Approach f	of Realignment of Road	No	Yes	Yes	No	No	No
ssue	Necessary Acquired (s	Land to be Additionally sq.m)	540	400	2160	No	No	No
mental	Number of	Houses to be Relocated	No	1	No	No	No	No
Environmental Issue	Other Obsi	ruction to be Relocated	18 shops	10 Trees	No	No	No	6 Trees
	Bridge Len	gth (m)	50	55	50	50	55	40
Proposed Bridge	Span Arran	ngement	15m+20m+15m	15m+25m+15m	15m+20m+15m	15m+20m+15m	15m+25m+15m	10m+20m+10m
эвообо	Abulment I	Height (m)	5.50	5.80	6.00	6.10	4.00	3.90
•	Pler Heigh	t (m)	8.90	9.00	8.80	8.70	7.30	8.30
Remarks				At Bhatlapara end BC road, other end is earthen.	Land acquisition of 100mx12m will be required at Dighorghati end.	This is not duplicate of Si. No. 13 as earlier mentioned. Have included in the list.		Earlier, the bridge was deteled. Now included in the list.

	t : Gopalgonj Upazila		Muksedpur		Tongi	para	Kotal	ipara
Serial Nur	nber	19	20	21	25	26	28	29
Bridge Co	de	12-03-N1	12-03-N2	12-03-N3	12-04-N1	12-04-N2	12-05-02	12-05-03
Road ID		345583008	345583008	345584029	345913011	345913016	345514046	345514046
Road Clas	3\$	R1	R1	R2	R1	R1	R2	R2
Chainage	(km)	0+000	2+050	2+350	7+550	3+000	0+650	1+060
	Existing or not	Existing	Not Existing	Existing	Existing	Not Existing	Not Existing	Existing
	Bridge Length (m)	32.00		40.00	22.00			24.00
	Bridge Width (m)	0.20	· <u>·</u>	0.20	2.80			1.90
nidge	Carriageway Width (m)	0.20		0.20	2,40			1.70
Condition of Existing Bridge	Superstructure Type	Bamboo		Bamboo	RC			RC
of Exi	Abutment Type	Bamboo		Bamboo	Brick Masonary			Bamboo
ndition	Pier Type	8amboo		Bamboo	RC Column			Steel
3	Usage of Bridge	Pedestrians only		Pedestrians only	Light Vehicles			Pedestrians R.Van
ŀ	Condition	Weak		Weak	Damaged			Fair
	Present Navigation Clearance Height (m)	1.90	-	1.28	5.30			2.10
}	Bank to Bank Width (m)	34.00	50.00	42.00	22,00	34.00	21.00	24.00
	Highest Flood Water Width (m)	48.00	58.00	55.00	25.00	36.00	23.00	25.00
	Highest Flood Water Depth (m)	4.95	8.40	5.30	2.80	7.10	3.63	3.10
	Normal Flood Water Width (m)	32.00	58.00	38.00	22.00	32.00	20.00	24.00
	Normal Flood Water depth (m)	2.60	6.85	3.50	. 1.10	5.20	2,85	2.00
	Dry Season Water Width (m)	10.00	13.00	12.00	5.00	15,00	10.00	8.00
چ پې	Dry Season Water Depth (m)	0.30	0.95	0.90	0.30	0.90	0.80	0.90
Condition	Tidal Fluctuation (m)	No	0.50	0.80	No	0.75	0.40	0.40
River	Water Velocity	Medlum	Medium	Medium	Slow	Fast	Slow	Slow
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	3.00	2.98	3.00	1.20	2,60	1.25	1.00
	Type of River Traffic	Big Cargo, Engine Boat	Big Cargo, Engine Boat	Big Cargo, Engine Boat	Small Country Boat	Cargro Engine Boat	Country Boat	Country Bo
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	4.80	5.38	4,60	4.35	4.00	3.60	3.60
_	Carriageway Width (m)	4.80	3.29	4.25	3.06	4.00	3,60	3.80
Approach Road	Embankment Height (m)	2.80	2.98	2.14	0.70	1.80	1,50	1.70
proac	Surface Type	8C/Earthen	Earthen	Earthen	BC	BC/HBB/ Earthen	Earthen	Earthen
₹	Surface Condition	Good	Good	Good	Good	Good	Good	Good
	Alternative Route (km)	No	No	No	No	No	3.00	4.00

DISTI	ct : Gor	palgoni	<del></del>	<del></del>		<del></del>				
Name o	of Thana		<u> </u>	Muksedpur	· · · · · · · · · · · · · · · · · · ·	Tor	ngipara	K	otalipara	
Serial Nu	umber		19	20	21	25	26	28	29	
	Population	(thousand)	13	12	20	20	15	10	12	
	Main Indus	try	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	
	Major Agric	ultural Product	Rice, Jute, Pulse	Rice, Jule, Pulse	Rice, Jule, Pulse	Rice, Jute, S.Cane	Rice, Jute, S.Cane	Rice, Jute, Pulse	Rice, Jute, Pulse, S.Cane	
		School	7	8	8	8	3	4	4	
Influence Area		Clinic	4	2	2	2	t	1	1	
nituen	<u> </u>	Bazar	4	3	4	3	2	1	,	
-	Public Mosque Facilities		8	8	8	6	3	5	8	
	Gov't Office		2	2	5	4	2	1	1	
	Others		5	4	3	4	6	4	3	
	Total		30	25	30	25	17	16	16	
	Passenger Car		5	5	10	. 7	9	3	3	
	Pickup/Truck		6/8	6/8	4/12	3/7	7/12	3/4	2/4	
Traffic Volume	Bus		6	6	6	4	6	4	4	
	Motorcycle		28	20	30	30	30	20	. 18	
	Rickshaw		200	300	250	135	130	85	70	
•	Autorickshaw		13	13	18	9	18	16	16	
	Bullock Cart		30	50	25	25	8	4	3	
	Pedestrian		6000	6000	2200	1350	1400	600	700	
ej c	Landuse		Farm	Farm	Residence, Commercial	Residence	Farm	Farm	Farm	
Bridge Site Condition	Topography		Flat	Swampy	Flat	Flat	Flat	Flat	Flat	
	Necessity of Approach Re	Realignment of oad	No	Yes	No	No	Yes	No	No	
l Issue	Necessary L Acquired (sq	and to be Additionally .m)	No	1050	No	No	1392	No	No	
Environmental Issue	Number of H	ouses to be Relocated	No	No	No	No	No	No	No	
Enviro	Other Obstru	ction to be Relocated	6 shops	8 Trees	10 Trees	No	21 Trees	8 Tress	No	
2	Bridge Lengl	th (m)	40	60	45	20	35	20	25	
ed Bridg	Span Arrang	ement	10m+20m+10m	15m+20m+15m	3x15m	1x20m	10m+15m+10m	1x20m	1x25m	
Proposed Bridge	Abutment He	right (m)	6.30	6.20	4.80	1.80	5.70	2.95	2.80	
	Pier Height (	m)	8.00	9.50	8.30	•	7.50	•	•	
Remarks	emarks					The existing bridge is fully damaged.			Existing damaged structure to be replaced.	

Zone No: 4
District: Faridpur

Name o	f Upazila				Sadar			
Serial Nur	прег	5	6	7	8	9	10	11
Bridge Co	de	16-01-N1	16-01-N2	16-01-N3	16-01-N4	16-01-N5	16-01-N6	16-01-N7
Road ID		329475029	329473031	329473015	329474002	329473027	329475120	329475055
Road Cla	99	R3	R1	R1	R2	R1	R3	R3
Chainage	(km)	0+450	3+050	0+500	0+500	2+200	1+000	0+850
·	Existing or not	Existing	Existing	Not Existing	Not Existing	Not Existing	Not Existing	Existing
	Bridge Length (m)	23,00	22.00					28.00
	Bridge Width (m)	0.20	0.20					0.20
Spirit eg	Carriageway Width (m)	0.20	0.20					0.20
isting £	Superstructure Type	Bamboo	Bamboo					Bamboo
S Ex	Abutment Type	Bamboo	Bamboo					Bamboo
Condition of Existing Bridge	Pier Type	Bamboo	Bamboo					8amboo
8	Usage of Bridge	Pedestrians only	Pedestrians only					Pedestrians only
	Condition	Weak	Weak					Weak
	Present Navigation Clearance Height (m)	1.40	1.70					0.80
} <del></del>	Bank to Bank Width (m)	24.00	24.00	68.00	36.00	32.00	42.00	32.00
	Highest Flood Water Width (m)	28.00	26.00	70.00	40.00	35.00	45.00	38.00
	Highest Flood Water Depth (m)	3.90	4.90	3.80	3.90	2.00	4.10	4.10
	Normal Flood Water Width (m)	21.00	22.00	68.00	35.00	28,00	24.00	27.00
	Normal Flood Water depth (m)	2,30	3.20	2.50	2.90	1.30	2.00	2.40
	Dry Season Water Width (m)	8.00	8.00	45.00	20.00	0.00	8.00	8.00
   8	Dry Season Water Depth (m)	0.30	0.30	0.60	0.30	0.00	0.90	0.30
ver Condition	Tidal Fluctuation (m)	No	No	No	No	No	No	No
River (	Water Velocity	Medlum	Medium	Medium	Medium	Slow	Slow	Slow
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Type of River Traffic	Country Boat	Country Boat	Country Boat	Country Boat	Country Boat	Country Boat	Country Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Candition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	3.80	4.25	3.66	3.66	3.66	4.00	4.10
_	Carriageway Width (m)	3.80	4.25	2.80	3.00	2.80	4.00	4.10
Approach Road	Embankment Height (m)	1.20	1.80	3.20	2.80	1.90	1.30	1.10
bound	Surface Type	Earthen	BC/Earthen	Earthen	Earthen	Earthen	Earthen	Earthen
, ₹	Surface Condition	Good	Good	Good	Good	Good	Good	Good
	Alternative Route (km)	No	No	No	No	No	No	4.00

Zone No: 4
District : Faridour

	ct : Fari f Thana	apui	T		<del></del>	Sadar			
Serial Nu	mber	<del></del>	5	6	7	8	9	10	11
	Population	(thousand)	8	15	12	12	10	10	20
	Main Indust	ry	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture
	Major Agric	ultural Product	Rice, Wheat, Onion, Garlic	Rice, Jute, Onion, Pulse, S.Cane	Rice, Jute, S.Cane, Veg.	Rice, Jute, Veg.	Rice, Jute, S.Cane, Veg.	Rice, Jute, Onion, Pulse	Rice, Jute, S.Cane, Pulse, Onion
		School	7	4	3	2	2	6	6
а Агеа		Clinic	1	1	2	0	1	1	1
Influence Area		Bazar	2	2	2	4	1	2	2
<b>-</b> .	Number of Public	Mosque	8	6	6	10	5	5	8
	Facilities	Gov't Office	0	2	2	1	1	0	1
	Others		4	4	0	3	0	4	4
		Total	22	19	15	20	10	18	22
	Passenger	Car	1	7	3	3	4	4	4
•	Pickup/Truc	:k	3/4	6/8	3/5	2/7	4/7	3/6	6/8
	Bus		2	4	4	2	. 6	4	2
Acme	Motorcycle		8	25	20	12	25	12	12
Traffic Volume	Rickshaw	-	75	130	120	85	125	90	130
F	Autorickshaw		10	15	15	12	12	16	12
	Bullock Car	t	0	8	6	7	3	0	5
	Pedestrian		500	1200	900	1100	700	1000	1200
<b>a</b> _	Landuse	· · · · · · · · · · · · · · · · · · ·	Farm	Farm	Farm	Farm	Farm	Farm	Farm
Bridge Site Condition	Topography	<del>y</del>	Flat	Flat	Flat	Flat	Flat	Flat	Flat
: B &	Necessity of Approach F	of Realignment of	No	No	No	No	No	No	No
<u>a</u>	Necessary		No	No	No	No	No	. No	No
Environmental Issue		Houses to be	No	No	No	No	No	No	No
Envi	Other Obst	ruction to be	No	4 Trees	No	No	No	No	6 Trees
	Bridge Len	gth (m)	25	25	65	35	30	40	30
Proposed Bridge	Span Arran	gement	1x25m	1x25m	20m+25m+20m	10m+15m+10m	1x30m	10m+20m+10m	1x30m
pesodo	Abutment F	leight (m)	3.60	3.50	3.20	3,50	1,80	3.90	2.70
هّ ا	Pler Height	(m)	-		4.80	4.70	•	5.00	•
Remarks	Remarks								Now the river is dead due to construction of sluice gate, there is no flow in the river.

Zone No: 4
District: Faridour

	t : Faridpur Upazila	Boalmari	Charva	drason	Bangha		Sadarpur	
Serial Nur		16	27	28	29	31	32	33
Bridge Co		16-02-05	16-05-01	16-05-02	16-06-01	16-07-01	16-07-02	16-07-N1
Road ID		329184029	329214017	329212001	329103016	329842010	329842003	329843011
Road Clas	38	R2	R2	FRB	R1	FRB	FR8	R1
Chainage	(km)	4+200	0+450	6+620	0+000	0+000	0+000	1+950
	Existing or not	Not Existing	Existing	Not Existing	Existing	Not Existing	Existing	Not Existing
	Bridge Length (m)		68.00		22.00		23.00	
	Bridge Width (m)		0.20		1,00		0.20	
Sridge	Carriageway Width (m)		0.20		1.00		0.20	
Condition of Existing Bridge	Superstructure Type		Bamboo		Bamboo	· ·	Bamboo	
of Ex	Abutment Type		Bamboo		Bamboo		Bamboo	
ndition	Pler Type		Bamboo		Bamboo		Bamboo	
් රි	Usage of Bridge		Pedestrians only		Pedestrians only		Pedestrians only	
	Condition		Weak		Weak		Weak	
	Present Navigation Clearance Height (m)		0.60	· · · · · · · · · · · · · · · · · · ·	1.30		3.20	
	Bank to Bank Width (m)	50.00	67.00	67.00	25.00	80.00	, 25.00	20.00
	Highest Flood Water Width (m)	64.00	85.00	63.00	21.00	85.00	27.00	24.00
	Highest Flood Water Depth (m)	4.80	4.00	3.50	3.90	2.80	2.10	4.50
	Normal Flood Water Width (m)	49.00	60.00	57.00	20.00	63.00	17.00	20.00
	Normal Flood Water depth (m)	3.70	2.80	2.08	2.60	1.30	1.20	2,80
	Dry Season Water Width (m)	10.00	16.00	0.00	4.00	15.00	4.00	6.00
8	Dry Season Water Depth (m)	08.0	0.80	0.00	0.30	0.15	0.80	0.80
ver Condition	Tidal Fluctuation (m)	0.2	No	No	No	No	No	No
River	Water Velocity	Fast	Slow	Slow	Fast	Fast	Medium	Fast
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	2.00	1.00	1.00	1.20	1.80	1.20	2.00
	Type of River Traffic	Engine Boat, Country Boat	Small Country Boat	Small Country Boat	Country Boat	Big Country Boat	Small Country Boat	Big Country Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	4.30	5.80	4.30	3.90	4.20	4.30	4.90
9	Carriageway Width (m)	4.30	5.80	4.30	3.90	4.20	4.00	3.06
Approach Road	Embankment Height (m)	1,60	1.70	1.90	1.80	1.20	1,50	2.80
poudo	Surface Type	Earthen	Earthen	8C/Earthen	Earthen	Earthen	Earthen	нвв
•	Surface Condition	Good	Good	Good	Good	Good	Good	Good
	Alternative Route (km)	No	No	No	No	No	No	No

Zone No: 4
District : Faridour

Name o	f Thana	-	Boalmari	Charvadi	rason	Bangha		Sadarpur 31 32		
Serial Nu	mber		16	27	28	29	31	31 32 12 18		
	Population	(thousand)	20	12	15	20	12	18	15	
	Main indust	ry	Agriculture	Agriculture	Agriculture	Agriculture, Commercial	Agriculture	Agriculture	Agriculture	
	Major Agric	ultural Product	Rice, Wheat, Jule, Pulse, Onion	Rice, Wheat, Jute, Onion, Garlic, S.Cane	Rice, Wheat, Jule, Onion, Garlic	Rice, Wheat, Jute, Onion, Pulse	Rice, Jute, Wheat, Onion, Garlic, Veg.	Rice, Jute, Onlon, Pulse	Rice, Jute, Onion, Pulse	
Influence Area		School	8	2	4	8	4	6	5	
se Area		Clinic	1	1	1	2	1	2	1	
Influence		Bazar	2	1	2	2	2	3	2	
~	Number of Public	Mosque	8	5	7	10	6	8	8	
	Facilities	Gov't Office	2	2	2	3	1	3	2	
	Others		3	4	2	4	3	4	4	
		Total	24	15	18	29	17	26	22	
	Passenger	Car	5	2	2	4	5	8	12	
	Pickup/Truc	::k	4/9	2/3	3/2	6/15	2/5	6/11	6/13	
- 1 2	Bus		6	2	4	. 6	4	6	4	
	Motorcycle		20	10	16	20	16	30	50	
affic Vo	Rickshaw	· · · · · · · · · · · · · · · · · · ·	140	50	80	135	120	150	160	
Ë	Autoricksha		16	10	6	16	10	22	20	
	Bullock Car	t	8	6	5	8	9	в	6	
	Pedestrian		1700	1000	1200	1800	1100	2200	1700	
	Landuse		Farm	Farm	Farm	Residence, Commercial	Farm	Residence	Farm	
Bridge Site Candilion	Topography	,	Flat	Flat	Flat	Flat	Flat	Flat	Flat	
£ 3	Necessity of Approach F	f Realignment of	No	No	Yes	No	No	No	No	
<del></del>	Necessary		No	No	1320	90	680	No	No	
Environmental Issue		Houses to be	No	No	No	No	No	No	No	
Envir #		ruction to be	3 shops	No	1 shop, 35 trees	1 electric pole, 8 trees	3 Trees	3 shops	No	
	Orldge Len	gth (m)	50	70	70	25	80	25	20	
Proposed Bridge	Span Arran	gement	15m+20m+15m	20m+2x25m	20m+2x25m	1x25m	x15m+20m+2x15	1x25m	1x20m	
pasodo	Abutment 1	feight (m)	3.20	3.00	3,10	3.10	3.30	4.60	4.80	
PR	Pier Height (m)		6,80	5.00	4.40	•	4.60	•	•	
Remarks	Remarks									

## **BRIDGE SITE SURVEY DATA-1**

District : Comilla

Name of	Upazila	Laksam	Dautk	andl		Brahmanpara	
Serial Numi	ber	9	10	21	26	27	28
Bridge Cod	9	19-02-09	19-03-01	19-03-12	19-04-03	19-04-04	19-04-05
Road ID	<u>, </u>	419723054	419363038	419363004	419152001	419153003	419153017
Road Class		R1	R1	R1	FRB	R1	R1
Chainage (	km)	0+000	2+000	3+140	3+252	4+287	1+585
	Existing or not	Existing	Not Existing	Not Existing	Existing	Existing	Not Existing
	Bridge Length (m)	41.00			21.00	21.00	
	Bridge Width (m)	3.05			4.26	3.05	
Sridge	Carriageway Width (m)	2,60			3.66	2.67	
Ighing I	Superstructure Type	RC			RC	RC	
1 of Ex	Abutment Type	Masonry			Masonry	Masonry	-
Condition of Existing Bridge	Pier Type	Masonry			RCC Caloum	Masonry	
ŏ	Usage of Bridge	Pedestrians only			All vehicles	All vehicles	
	Condition	Damaged			Damaged	Collapased	
	Present Navigation Clearance Height (m)	0.60			2,10	1.20	
<del></del>	Bank to Bank Width (m)	50.00	270.00	60.00	24.00	25.00	30.00
	Highest Flood Water Width (m)	60.00	380.00	80.00	24.00	25.00	32.00
	Highest Flood Water Depth (m)	7.20	7.50	8.50	5.00	6.00	5.20
	Normal Flood Water Width (m)	49.00	350.00	54.00	18.00	18.00	28,00
	Normal Flood Water depth (m)	5.00	6.50	7.00	4.00	4.50	4.50
	Ory Season Water Width (m)	41.00	240.00	32.00	12.00	12.00	22.00
ion	Ory Season Water Depth (m)	0.60	2.25	3.25	0.33	0.80	0.30
River Condition	Tidal Fluctuation (m)	No	1.00	0.80	No	No	No
River	Water Velocity	Medlum	Medium	Fast	Medlum	Medium	Medium
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.80	2.00	1.80	1.60	1.60	1.00
	Type of River Traffic	Burge, CountryBoat	Burge, CountryBoat	Country Boat, Launch	Country Boat	Engine Boat, Country Boat	Country Boat
	Condition of Bank	Sound	Eroded	Heavily eroded	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Scoured	Sound	Sound	Sound
	Total Road Width (m)	3.66	4.80	4,50	7.00	3,66	2,40
	Carriageway Width (m)	2,44	4.00	2.67	3.66	3.25	2.00
th Road	Embankment Height (m)	2.00	2.50	3.50	2.50	2.50	2.75
Approach Road	Surface Type	вс	Earthen	Earthen	BC	BC/Earthen	Earthen
₹	Surface Condition	Good	8ad	Bad	Good	Good	Very bad
	Alternative Route (km)	No	No	No	No	No	No

Name o	Thana		Laksam	Dauti	randi		Brahmanpara 26 27 28			
Serial Nu	mber		9	10 .	21	28	28 27			
-  -  -	Population	(thousand)	30	45	60	65	40	30		
	Main Indust	ту	Fishery, Agriculture	Agriculture	Agriculture	Agriculture	Fishery, Agriculture	Fishery, Agriculture		
	Major Agric	ultural Product	Rice, Jute, Veg.	Rice, Wheat, Veg.	Rice	Rice, Jute, Veg.	Rice, Jute, Veg.	Rice, Jule, Veg.		
	<del></del>	School	18	8	24	11	7	6		
		Clinic	2	4	7	3	3	3		
fluence		Bazar	16	5	6	3	3	4		
=	Number of Public	Mosque	50	25	30	8	12	12		
	Facilities	Gov't Office	10	2	5	16	3	5		
		Others	10	0	0	4	2	2		
		Total	106	44	72	45	30	32		
	Passenger	Car	40	10	50	20	14	6		
F	Pickup/Truck		30/60	15/8	30/20	18/15	15/8	10/4		
	Bus		80	20	20	25	20	20		
Traffic Volume	Motorcycle		120	25	130	150	70	80		
	Rickshaw		400	100	500	300	250	250		
-	Autorickshaw		125	55	300	125	60	100		
	Bullock Ca	π	0	0	0	0	0	0		
	Pedestrian		6000	3000	8000	5500	3000	2500		
	Landuse	· · · · · · · · · · · · · · · · · · ·	Farm	Swamp	Other	Farm	Farm	Farm		
Bridge Site Condition	Topograph	у	Flat	Flat	Flat	Flat	Flat	Flat		
<u>8</u> 0	Necessity Approach	of Realignment of Road	No	No	Yes	No	No	Yes		
Issue	Necessary Acquired (	Land to be Additionally sq.m)	No	3000	No	No	No	500		
Environmental Issue	Number of	Houses to be Relocated	No	10	No	No	7	No		
Enviro	Other Obs	truction to be Relocated	No	No	20 nos Trees	6 nos trees	No	10 nos trees		
φ.	Bridge Ler	ngth (m)	50	300	75	25	25	30		
<u>8</u>	Span Ama	ngement	15m+20m+15m	12x25m	3x25m	1x25m	1x25m	1x30m		
ropose	Abutment	Height (m)	3.50	5.00	4.80	5.00	6.00	3.00		
а,	Pier Heigh	ot (m)	7.50	7.50	8.50	•		•		
Remark	Remarks			Land acquisition of 3000 sq.m and relocation of 10 nos of houses will be required.	Relocation of 20 nos		Relocation of 7 nos of shops will be required.	Land acquisition of 500 sq.m and removal of 10 nos of trees will be required.		

#### **BRIDGE SITE SURVEY DATA-1**

District : Comilia

	: Comilia Upazila	Brahma	npara	Murad	nagar	Chowddogram	Nangalkot
Serial Num	beř	29	30	33	36	39	41
Bridge Cod	8	19-04-06	19-04-07	19-05-03	19-05-06	19-06-03	19-07-02
Road ID		419153011	419154016	419812003	419813011	419313034	419873007
Road Class		R1	R2	FRB	R1	Ř1	R1
Chainage (	km)	4+399	2+460	3+122	3+900	6+700	5+100
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Existing	Not Existing
	Bridge Length (m)					10.20	
	Bridge Width (m)					4.05	-
ridge	Carriageway Width (m)					3.67	
Condition of Existing Bridge	Superstructure Type		_			RC	
of Exi	Abutment Type					Masonry	
ndition	Pier Type						
8	Usage of Bridge					All vehicles	
	Condition				<del>-: </del>	Collapsed	·-
	Present Navigation Clearance Height (m)	<u></u>				0.60	
	Bank to Bank Width (m)	32.00	50.00	32,00	30.00	43.00	105.00
- '	Highest Flood Water Width (m)	34.00	57.00	64.00	33.00	49.00	130.00
	Highest Flood Water Depth (m)	6.00	6.20	6.20	8.50	6.00	6.50
	Normal Flood Water Width (m)	26.00	33,00	38.00	25.00	30.00	115.00
	Normal Flood Water depth (m)	4.50	4,10	4.70	5.00	5.50	5.00
	Dry Season Water Width (m)	20.00	25.00	26.00	18.00	20.00	105.00
8	Dry Season Water Depth (m)	0.80	1.20	1.20	1.00	1.20	1.00
Sondiji	Tidal Fluctuation (m)	No	No	1.00	No	No	No
River Condition	Water Velocity	Medium	Fast	Slow	Slow	Medlum	mulbeM
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.30	2.50	0.60	1.80	1.20	1.40
	Type of River Traffic	Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Coun try Boat	Engine Boat, Country Boat
	Condition of Bank	Sound	Eroded	Sound	Sound	Sound	sound
	Condition of Riverbed	Sound	Scoure	Sound	Sound	Scoured	Sound
	Total Road Width (m)	3.00	3.66	5,48	3.50	4.50	3.66
-	Carriageway Width (m)	2.30	3.05	2.67	3.00	3.05	2.67
h Roa	Embankment Height (m)	2.70	2.20	2.50	3.00	2.00	2.10
Approach Road	Surface Type	HBB/Earthen	Earthen	BC/Earthen	BC/Earthen	BC/Earthen	BC/Earthen
₹	Surface Condition	Fair	Bad	Fair	Fair	Good	Good
1	Alternative Route (km)	No	No	No	No	No	No

Zone No: 6
District : Comilla

lame o	f Thana		Brahm	anpara	Murad	dnagar	Chowddogram	Nangalko
erial Nu	mber		29	30	33	36	39	41
	Population	(thousand)	30	100	60	35	40	40
	Main Indust	ıy	Fishery, Agriculture	Agriculture	Fishery, Agriculture	Fishery, Agriculture	Fishery, Agriculture	Fishery, Agriculture
	Major Agric	ultural Product	Rice, Jute, Veg.	Rice, Jule, Veg.	Rice, Jute, Veg.	Rica, Jute, Veg.	Rice, Jute, Veg., Sugarcane	Rice, Jule, Wh & Veg.
Influence Area		School	6	10	7	14	6	10
		Clinic	3	4	4	2	2	2
fluence		Bazar	3	7	4	4	3	3
뎔	Number of Public	Mosque	10	18	10	15	7	20
	Facilities	Gov't Office	5	2	4	4	2	3
	Others	1	10	5	3	1	6	
		Total	28	51	34	42	21	44
	Passenger	Car	10	20	10	10	20	10
Traffic Volume	Pickup/Truck		15/8	15/10	15/6	20/6	5/5	20/8
	Bus		20	25	20	30	30	30
	Motorcycle		70	70	75	80	. 50	70
	Rickshaw		200	350	425	250	250	500
-	Autoricksha	aw .	100	75	100	55	100	170
	Bullock Cart		0	0	0	o	0	0
	Pedestrian		2000	5500	2500	2400	4000	3500
<b>d</b> _	Landuse		Farm	Farm	Farm	Farm	Fam	Farm
Bridge Site Condition	Topograph	у	Flat	Flat	Flat	Flat	Flat	Flat
ይ 3	Necessity of Approach F	of Realignment of Road	No	Мо	No	No	No	No
Issue	Necessary Acquired (s	Land to be Additionally	No	No	300	No	No	No
Environmental Issue	Number of	Houses to be Relocated	No	No	No	No	No	No
Enviror	Other Obst	ruction to be Relocated	No	No	4 nos trees	No	2 nos trees	No
	Sridge Len	gth (m)	30	50	35	30	45	110
d Bridge	Span Arrar	ngement	1x30m	15m+20m+16m	10m+15m+10m	1x30m	3x15m	20m+2x25i +2x20m
Proposed Bridge	Abutment I	Height (m)	5.50	4.50	7.50	6.80	4.00	4.50
<u>a.</u>	Pler Heigh	t (m)	•	7.00	8.50	•	6.00	7.00
emarks	3				Land acquisition of 300 sq.m will be required.			

# **BRIDGE SITE SURVEY DATA-1**

District : Comilla

Name of	Upazila	Burichong	Debi	dar	Hom	na
Serial Num	ber	42	47	48	50	51
Bridge Cod	le	19-08-01	19-09-02	19-09-N1	19-10-02	19-10-N1
Road ID		419182001	419404008	419403018	419543008	419543022
Road Clas	s	FRB	R2	R1	R1	R1
Chainage (	(km)	0+000	0+000	0+000	0+000	4+500
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing
	Bridge Length (m)					
	Bridge Width (m)					
hidge	Carriageway Width (m)					
Condition of Existing Bridge	Superstructure Type					
S EX	Abutment Type					
ndition	Pler Type					
රී	Usage of Bridge					
	Condition	-				
	Present Navigation Clearance Height (m)					
	Bank to Bank Width (m)	94,00	86.00	84.00	84.00	81.00
	Highest Flood Water Width (m)	150.00	150.00	130.00	96.00	100.00
	Highest Flood Water Depth (m)	7.20	6.80	7.50	7.20	7.00
	Normal Flood Water Width (m)	90.00	86.00	84.00	84,00	85.00
	Normal Flood Water depth (m)	6.30	6,40	8.50	6.00	5.50
	Dry Season Water Width (m)	64.00	65.00	60.00	60.00	60.00
8	Dry Season Water Depth (m)	2.20	2.00	2.50	1.30	1.10
Conditi	Tidal Fluctuation (m)	1.10	1.00	1.00	0.6	0.6
River Condition	Water Velocity	Fast	Fast	Fast	Medium	Medlum
	Angle of Bridge to Stream (deg)	90	90	90	90	90
	Ferry Services	No	Мо	No	No	No
	Required Navigation Clearance Height (m)	1.40	1.40	1.20	2.00	2.00
	Type of River Traffic	Country Boat, Launch	Country Boat, Launch	Country Boat, Launch	Engine Soat, Country Boat	Engine Boat, Country Boat
	Condition of Bank	Heavy eroded	Heavy eroded	Heavy eroded	Sound	Sound
	Condition of Riverbed	Sound	Sound	Scoured	Sound	Sound
	Total Road Width (m)	7.30	4.50	4.00	4.88	4.88
_	Carriageway Width (m)	6,50	3.05	3.00	3.05	3.67
Approach Road	Embankment Height (m)	5.20	5,00	6.50	2.50	2.50
proad	Surface Type	BC/Earthen	Earthen	Earthen	ВС	Earthen
*	Surface Condition	Fair	Bad	Bad	Good	Good
	Alternative Route (km)	No	No	No	No	No

Zone No: 6
District : Comilla

Name c	erial Number  Population (thousand)		Burlchong	Debi	dar	Hon	ına
Serial Nu	Population (thousand)  Main Industry		42	47	48	50	51
ŀ	Population	(thousand)	65	100	80	30	25
	Main Indust	ту	Agriculture	Agriculture	Agriculture	Fishery, Agriculture	Agriculture
	Major Agric	ultural Product	Rice, Veg.	Rice, Veg.	Rice, Veg.	Rice, Jute, Veg., Sugarcane	Rice, Jute, Ve
Influence Area		School	10	10	5	25	8
е Агеа		Clinic	4	3	2	5	2
nfluenc		Bazar	6	5	2	6	5
-	Number of Public Facilities	Mosque	18	12 10		20	15
	Facilities	Gav't Office	2	3	1	5	2
		Others	1	t	2	10	5
		Total	41	34	22	71	37
	Passenger	Car	15	15	10	10	5
Traffic Volume	Pickup/Truc	k	20/12	30/10	12/5	5/20	5/5
	Bus	,	10	25	20	35	10
	Motorcycle		125	75	100	75	25
	Rickshaw		300	300	250	300	150
-	Autoricksha	w	50	70	60	110	50
	Bullock Cart		0	0	0	0	0
	Pedestrian		3500	6000	4000	3000	500
9 ~	Landuse		Waste	Waste land	Waste land	Farm	Swamp
idge Site ondition	Topography		Flat	Flat	Flat	Flat	Flat
S S	Necessity of Approach R	Realignment of oad	No	No	No	Yes	No
ksue	Necessary L Acquired (so	and to be Additionally	No	. No	No	3000	No
Environmental Issue	Number of I	louses to be Relocated	No	No	No	No	No
Enviror	Other Obstr	uction to be Relocated	No	No	No	No	No
Ф.	Bridge Leng	th (m)	120	120	150	110	80
1 Bridge	Span Arrang	rement	20m+4x25m	20m+4×25m	6x25m	20m+2x25m +2x20m	2x15m+20m +2x15m
Proposed Bridge	Abutment H	eight (m)	5.50	6.50	6.80	3.75	6.00
ā,	Pier Height	(m)	7.80	8.00	8.00	8.00	7.50
emarks				Earlier dated but at the request of XEN, LGED visited & Included in the list.			

## **BRIDGE SITE SURVEY DATA-1**

וח	str	~+	٠	R.	Ra	ria.
	34				ua	Hu

	I i D-Daria		Bancharampur		Nabir	nagar	Akhaura
	f Upazila		25	26	27	31	37
Serial Nun		24			20-05-01	20-05-05	20-07-01
Bridge Co	de	20-04-N1	20-04-N2	20-04-N3			
Road ID		412043020	412043005	412043009	412852002	412852004	412023002
Road Clas	59	R1	R1	R1	FRB	FRB	R1
Chainage	(km)	4+250	0+150	9+313	2+363	3+660	6+180
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing
	Bridge Length (m)						
<u> </u>	Bridge Width (m)						
Buidg	Carriageway Width (m)						
xisting	Superstructure Type						
Condition of Existing Bridge	Abutment Type						
20nditii	Pier Type						
	Usage of Bridge						
	Candition						
	Present Navigation Clearance Height (m)						
	Bank to Bank Width (m)	130.00	114.00	85.00	55.00	68.00	165.00
	Highest Flood Water Width (m)	145.00	145.00	125.00	75.00	86.00	188.00
	Highest Flood Water Depth (m)	7.00	9.00	7.00	6.00	5.50	5.50
	Normal Flood Water Width (m)	130.00	130.00	90.00	60.00	60,00	160.00
	Normal Flood Water depth (m)	6.00	00.8	6.00	5.50	4.50	4.70
	Dry Season Water Width (m)	22.00	48.00	35.00	25.00	40.00	25.00
8	Dry Season Water Depth (m)	2.00	3.00	1.50	1.25	1.00	1.00
Sondili	Tidal Fluctuation (m)	No	No	No	No	No	No
River Condition	Water Velocity	Medlum	Medium	Slow	Medium	Medium	Slow
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.00	2.00	1.00	1.00	1.00	1.00
<u> </u>	Type of River Traffic	Country Boat	Country Boat, Cargo	Country Boat, Cargo	Country Boat, Cargo	Country Boat	Country Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	4.26	4.80	4.27	4.87	4.87	4.27
_	Carriageway Width (m)	3.66	3,05	3.05	3,66	3.66	3.05
Approach Road	Embankment Height (m)	2.50	2,50	2.50	2.25	2.50	2.10
broact	Surface Type	BC/Earthen	нве/вс	вс/мвм/нвв	HB8/Earthen	WBM/Earthen	BC/WBM/ Earthen
8	Surface Condition	Fair	Good	Good	Bad	Fair	Fair
	Alternative Route (km)	No	No	No	No	No	No

Zone No: 6 District: B-Baria

Vame o	f Thana			Bancharampur		Nabiri	nagar	Akhaura
Serial Nu	mber		24	25	26	27	31	37
	Population	(thousand)	40	35	18	22	15	25
	Main Indust	try	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agricuiture
	Major Agric	ultural Product	Rice, Jule	Rice, Jute	Rice, Wheat, jute	Rice, Wheat	Rice, Jute	Rice, Wheat
influence Area		School	5	11	5	4	13	10
		Clinic	2	2	2	2	2	2
		Bazar	2	5	2	5	2	3
	Number of Public	Mosque	8	12	6	4	12	12
	Facilities	Gov't Office	1	1	1 .	2	3	a
		Others	5	6	6	2	0	2
		Total	23	37	22	19	32	29
	Passenger	Car	10	20	15	25	35	30
92	Pickup/Truck		15	15	20	20	30	12
	Bus		0	0	8	5	20	6
	Motorcycle		20	25	25	15	25 •	15
	Rickshaw		130	175	160	40	220	120
-	Autorickshaw		3	30	15	12	18	20
	Bullock Car	t .	0	0	g .	30	10	10
	Pedestrian	··· /· ··· -	1500	2000	1500	2500	500	750
w _	Landuse		Farm	Farm	Farm	Farm	Farm	Fam
Bridge Site Condition	Topograph	У	Flat	Flat	Flat	Flat	Flat	Flat
<u>a</u> 0	Necessity of Approach F	of Realignment of Road	No	No	No	No	No	No
ssue	Necessary Additionally	Land to be Acquired (sq.m)	No	No	No	No	No	No
Environmental Issue	Number of Relocated	Houses to be	No	No	No	No	No	No
Enviror	Other Obst Relocated	ruction to be	No	No	No	No	No	No
<b>a</b>	Bridge Len	gth (m)	130	130	90	60	75	160
sed Bridge	Span Arran	gement	2x20m+2x25m +2x20m	2x20m+2x25m +2x20m	15m+3x20m+15m	3x20m	3x25m	20m+4x25m +2x20m
	Abutment I	leight (m)	6.50	8.50	6.50	5.50	5.00	5.00
<u>a.</u>	Pier Height	(m)	8.00	10.00	8.00	7.00	6.50	6.50
emarks								

#### **BRIDGE SITE SURVEY DATA-1**

	t : Chandpur f Upazila		Sad	ar			Hajiganj	
Serial Nur	mber	2	3	4	5	6	11	12
Bridge Co	ode	21-01-N1	21-01-N2	21-01-N3	21-01-N4	21-02-01	21-02-N1	21-02-N2
Road ID		413013002	413013002	413013002	413013002	413495005	413494007	413494003
Road Clas	SS	Rt	Ř1	R1	R1	R3	R2	R2
Chainage	(km)	0+520	1+670	2+591	3+531	0+600	0+925	1+500
	Existing or not	Existing	Not Existing	Not Existing	Existing	Not Existing	Not Existing	Not Existing
	Bridge Length (m)	16.00			16.00			
	Bridge Width (m)	1.90			1.90			
Bridge	Carriageway Width (m)	1.45			1.45			
disting	Superstructure Type	Timber/Bamboo			redmiT			
n of E	Abutment Type	No			No			
Condition of Existing Bridge	Pier Type	Temporary RCC Column	_		Temporary RCC Piller			
0	Usage of Bridge	Pedestrians only			Pedestrians only			
	Condition	Collapsed			Collapsed			
	Present Navigation Clearance Height (m)	No			No			
	Bank to Bank Width (m)	16.00	26.00	30.00	16.00	50.00	22.00	112.00
	Highest Flood Water Width (m)	20.00	30.00	36.00	22.00	65.00	25.00	135.00
	Highest Flood Water Depth (m)	4.50	6.20	4.00	4.00	5.00	4.50	8.50
	Normal Flood Water Width (m)	12.00	24.00	20.00	12.00	48.00	20.00	120.00
	Normal Flood Water depth (m)	3.80	5.00	2.50	2.50	4.00	3.75	6.50
	Dry Season Water Width (m)	8.00	20.00	16.00	10.00	30.00	10.00	80.00
ition	Dry Season Water Depth (m)	0.20	1.20	1.00	0.60	1,10	0.60	2.00
River Condition	Tidal Fluctuation (m)	1,00	1.00	0.60	0,60	0.50	0.00	0.50
Rive	Water Velocity	Medium	Medium	Medlum	Medlum	Medium	Slow	Medlum
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1,20	1.60	1.00	08,0	1.60	0.60	3.50
	Type of River Traffic	Country Boat	Engine Boat, Country Boat	Country Boat	Country Boat	Engine Boat, Country Boat	Country Boat	Engine Boat, Country Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	3.20	2.67	3.20	3.20	4.88	2.10	3.67
9	Carriageway Width (m)	2.67	2.40	2.67	2,67	3.05	1.80	3.05
Approach Road	Embankment Height (m)	2.00	2.00	2.00	2.00	2.00	1.80	2.50
фргоак	Surface Type	Earthen	Earthen	Earthen	Earthen	Earthen	Earthen	Earthen
⋖	Surface Condition	Fair	Bad	Fair	Fair	Fair	Bad	Fair
	Alternative Route (km)	No	Ng	No	No	No	No	No

Zone No: 6

Name o	t: Cha Thana	•		Sac	lar	Hajiganj			
Serial Nu	mber		2	3	4	5	6	11	12
	Population	(thousand)	22	· 30	22	22	40	15	30
	Main Indust	ту	Agriculture, Fishery	Agriculture, Fishery	Agriculture, Fishery	Agriculture, Fishery	Agriculture, Fishery	Agriculture, Fishery	Agricultrue, Fishery, Commercial
	Major Agricultural Product		Rice, Jute, Veg.	Rice, Jute, Veg.	Rice, Jute, Veg.	Rice, Jute, Veg.	Rice, Jute, S.Cane, Veg.	Rice, Veg.	Rice, Jute, Veg.
eg G		School	8	8	6	6	12	5	8
Influence Area		Clinic	2	2	1	1	4	2	2
Influe	l	Bazar	6	6	3	3	10	5	4
	Number of Public	Mosque	12	15	13	13	25	10	30
	Facilities	Gov't Office	2	2	2	2	5	1	50
		Others	6	8	10	10	12	2	30
		Total	36	41	35	35	68	25	124
	Passenger	Car	5	5	5	5	15	5	40
	Pickup/Truc	ek	10/5	10/5	10/5	10/5	15/30	5/10	30/15
	Bus		20	20	20	0	40	10	50
Traffic Volume	Motorcycle		80	80	80	70	75	30	110
affic V	Rickshaw		250	250	250	120	350	100	450
Ę	Autorickshaw		40	40	40	25	80	20	100
	Bullock Cart		0	0	0	0	0	0	0
	Pedestrian		3000	3000	3000	2500	8000	2000	8000
	Landuse		Farm	Farm	Farm	Farm	Farm	Farm	Farm
Bridge Site Condition	Topography		Flat	Flat	Flat	Flat	Flat	Flat	Flat
S 5	Necessity of Realignment of Approach Road		No	Yes	No	No	No	No	No
គ្ន	Necessary Land to be Additionally Acquired (sq.m)		No	No	No	No	No	No	No
Environmental Issue		Houses to be Relocated	No	No	No	No	No	No	No
Envir	Other Obstr	uction to be Relocated	No	No	No	No	No	No	1 electric pole
ø	Bridge Leng	gth (m)	20	30	30	20	50	25	120
Proposed Bridge	Span Arran	gement	1x20m	1x30m	1x30m	1x20m	15m+20m+15m	1x25m	20m+4x25m
posed	Abutment F	leight (m)	4.80	6,50	4.50	4.50	3.50	4.00	4.00
Po	Pier Height	(m)		-	•	•	6.00	•	9.00
Remarks			Land acquisition (20mx10m) will be required for realignment of approach shown on site plan. The previous road ID No. was wrong. The corrected road ID No. is 413013002			Tender under process under Agradicare	Tender for construction of bridge is on process under Agradicare.	One electric pole is to be relocated.	

## **BRIDGE SITE SURVEY DATA-1**

Distric	t : Chandpur	<u> </u>	<del> </del>	<del></del>				
Name of Upazila		Haji	iganj	Matlab				
Serial Number		13	14	15	18	19	21	
Bridge Co	de	21-02-N3	21-02-N4	21-03-01	21-03-04	21-03-05	21-03-07	
Road ID		413495001	413493002	413732003	413763011	413762007	413765036	
Road Clas	58	R3	R1	FRB	R1	FRB	R3	
Chainage	Chainage (km)		4+880	0+000	0+243	3+165	0+000	
	Existing or not	Not Existing	Not Existing	Not Existing	Existing	Not Existing	Existing	
	Bridge Length (m)				38.00		20.00	
	Bridge Width (m)				2.00		1.30	
Bridge	Carriageway Width (m)				1.50		1.00	
isting	Superstructure Type				Bamboo		Timber	
l of	Abutment Type				No		No	
Condition of Existing Bridge	Pier Type				Temporary Bamboo pile		Temporary RCC Piler	
٥	Usage of Bridge				Pedestrians only		Pedestrians only	
	Condition				Collapsed		Collapsed	
	Present Navigation Clearance Height (m)		-		2.00		0,60	
	Bank to Bank Width (m)	27.00	132.00	248.00	40.00	15.00	22.00	
	Highest Flood Water Width (m)	35.00	145.00	400.00	50,00	20.00	30.00	
	Highest Flood Water Depth (m)	4.00	16.00	13.00	6,50	4,50	5.60	
:	Normal Flood Water Width (m)	28.00	132.00	240.00	35.00	15.00	20.00	
	Normal Flood Water depth (m)	3.50	8.50	12.00	5.00	4,00	4.50	
	Dry Season Water Width (m)	20.00	80.00	200.00	28.00	12.00	18.00	
Į. Į.	Dry Season Water Depth (m)	0.80	4.50	8.50	3.50	1.00	0.80	
River Condition	Tidal Fluctuation (m)	0.00	0.60	1.00	0.80	0.60	0,40	
River	Water Velocity	Slow	Medium	Medium	MulbeM	Slow	Medlum	
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	
	Ferry Services	No	No	Yes	No	No	No	
j	Required Navigation Clearance Height (m)	1.20	3.50	7.00	2.20	1.00	1.00	
	Type of River Traffic	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat	Country Boat	Country Boat	
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound	
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound	
	Total Road Width (m)	3.05	4.88	4.88	4.86	7.30	4.00	
_	Carriageway Width (m)	2.50	3.05	3.05	3.05	6.50	3.05	
Approach Road	Embankment Height (m)	1.70	2.10	2.00	1,80	2.00	2,00	
proact	Surface Type	Earthen	BC/Earthen	вс/нвв	8C/H88	Earthen	Earthen	
₹	Surface Condition	Fair	Good	Good	Good	Fair	Fair	
	Alternative Route (km)	No	No	No	No	Na	No	

Name o	f Thana		Haji	ganj		Mat	lab	
Serial Nu	mber		13	14	15	18	19	21
	Population	(thousand)	30	50	35	50	50	20
	Main Indust	ry	Agriculture, Fishery	Agriculture, Fishery	Agriculture, Fishery, Commercial	Agriculture, Commercial	Agriculture, Fishery	Agriculture, Fisher
	Major Agric	ultural Product	Rice, Jute, Veg.	Rice, Jute, S.Cane	Rice, Jute, Veg.	Rice, Jute, Veg.	Rice, Jute, Veg.	Rice, Jute, Veg.
æ		School	8	8	14	15	18	25
influence Area		Clinic	3	1	2	2	3	2
mfluer		Bazar	10	6	4	12	10	4
	Number of Public	Mosque	15	10	30	40	20	10
	Facilities	Gov't Office	3	3	40	10	30	25
		Others	15	5	30	15	20	40
		Total	54	33	120	94	101	106
	Passenger	Car	10	15	40	20	30	30
	Pickup/True		15/35	15/20	30/45	15/30	15/20	10/15
	Bus		25	30	50	30	30	30
arme	Motorcycle		80	100	100	100	80	100
Traffic Volume	Rickshaw		350	425	400	350	400	500
F	Autorickshaw		100	110	110	110	100	80
	Bullock Cart		0	0	0	0	0	0
	Pedestrian		5000	7000	8000	6000	6000	4000
	Landuse		Farm	Farm	Farm	Farm	Farm	Farm
Bridge Site Condition	Topography	y	Flat	Flat	Flat	Flat	Flat	Flat
S G		of Realignment of	No	No	Yes	No	No	No
亞	Approach Road Necessary Land to be Additionally Acquired (sq.m)		No	No	No	No	No	No
Environmental Issue		Houses to be Relocated	No	No	No	No	No	No
Envir	Other Obst	ruction to be Relocated	5 nos Trees	4 nos shops	No	No	No	6 nos Trees
	Bridge Len	gth (m)	30	140	260	40	15	25
Proposed Bridge	Span Arran	gement	1x30m	20m+4x25m+20m	3x20m+8x25m	10m+20m+10m	1x15m	1x25m
posed	Abutment H	felght (m)	3.20	4.50	7.50	3.00	2.20	3.50
æ	Pier Height	: (m)	•	10.00	10.00	8.20		•
Remarks					Approach on the north side of the proposed bridge is yet to be completed.			The corrected roa ID is 413765036

## **BRIDGE SITE SURVEY DATA-1**

	ct : Chandpur l'Upazila	Kachua								
Serial Nu	mber	25	26	30	32	33	34	35		
Bridge Code		21-04-04	21-04-05	21-04-09	21-04-11	21-04-12	21-04-N1	21-04-N2		
Road ID		413585098	413585326	413584010	413584028	413585194	413584003	413585298		
Road Cla	58	R3	R3	R2	R2	R3	R2	R3		
Chainage	Chainage (km)		0+125	5+593	1+432	1+200	6+680	4+435		
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing		
	Bridge Length (m)					,				
	Bridge Width (m)									
Bridge	Carriageway Width (m)									
isting l	Superstructure Type									
å T	Abutment Type									
Condition of Existing Bridge	Pier Type									
3	Usage of Bridge		<u></u>		· · · · · · · · · · · · · · · · · · ·					
	Condition									
	Present Navigation Clearance Height (m)									
	Bank to Bank Width (m)	15.00	21.00	18.00	13.00	12.00	21.00	25.00		
	Highest Flood Water Width (m)	22.00	35.00	20,00	18.00	15.00	30.00	30.00		
	Highest Flood Water Depth (m)	5.00	5.00	5.00	4.50	3.20	5.80	6.50		
	Normal Flood Water Width (m)	15.00	25.00	18.00	13.00	12.00	25.00	25.00		
	Normal Flood Water depth (m)	3.75	4.50	4.50	3.80	2.80	4.50	5.50		
	Dry Season Water Width (m)	10.00	15.00	12.00	8.00	10.00	10.00	12.00		
tion	Dry Season Water Depth (m)	0,50	0.40	0.80	0.30	0.60	0.20	0.60		
River Condition	Tidal Fluctuation (m)	0.00	0.00	0.40	0.00	0.00	0.30	0.40		
River	Water Velocity	Slow	Slow	Medlum	Medium	Medium	Medium	Medlum		
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90	90		
	Ferry Services	No	No	No	No	No	No	No		
	Required Navigation Clearance Height (m)	1,40	1.60	1.20	0.60	0.60	1.60	1.20		
	Type of River Traffic	Country Boat	Engine Boat, Country Boat	Country 8oat	Country Boat	Country Boat	Engine, Boat, Country Boat	Country Boat		
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound	Sound		
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound	Sound		
	Total Road Width (m)	3.60	2.67	4.00	3.67	3.67	4.88	4.00		
	Carriageway Width (m)	2.67	1.60	2.67	3.05	3.05	2.60	2.67		
n Roa	Embankment Height (m)	2.00	3.00	2.20	1.75	2.00	2.50	2.20		
Approach Road	Surface Type	Earthen	Earthen	Earthen	Earthen	8C/Earthen	8C/W8M/ Earthen	Earthen		
₹	Surface Condition	Fair	Bad	Bad	Fair	Fair	Good	Bad		
	Alternative Route (km)	No	No	No	No	No	No	No		

Zone No: 6
District: Chandpur

Name of	t: Cha	ndpur		<del></del>		Kachua	<del></del>		
			25	26	30	32	33	34	35
Serial Nur	Population (thousand)		12	30	25	20	15	20	25
	Main Industry		Agriculture, Fishery	Agriculture, Fishery	Agriculture, Fishery	Agriculture, Fishery	Agriculture, Fishery	Agriculture, Fishery	Agriculture, Fishery
	Major Agricultural Product		Rice, Jute, Veg.	Rice, Jute, Veg.	Rice, Jute, Veg.	Rice, Jute, Veg.	Rice, Veg.	Rice, Jute, Veg.	Rice, Jute, Veg.
8	<u> </u>	School	7	7	7	7	4	7	10
influence Area		Clinic	1	2	1	2	1	1	1
nfluer		Bazar	8	12	12	8	3	4	3
	Number of Public	Mosque	12	15	15	15	14	18	11
	Facilities	Gav't Office	2	2	1	2	2	2	0
		Others	6	10	5	8	5	6	5
		Total	36	48	41	42	29	38	30
	Passenger	Car	10	5	10	10	5	10	10
	Pickup/True	ck	5/20	15/20	15/20	8/15	5/10	10/20	10/15
	Bus		25	5	25	20	15	30	25
fume	Motorcycle		80	70	70	70	70	60	75
Traffic Volume	Rickshaw		280	200	250	250	200	300	300
- E	Autorickshaw		55	65	80	90	50	45	45
	Bullock Cart		0	0	0	0	0	0	0
	Pedestrian		3000	3500	4500	2500	1500	5500	5000
	Landuse		Farm	Farm	Farm	Farm	Farm	Farm	Farm
Bridge Site Condition	Topography		Flat	Flat	Flat	Flat	Flat	Flat	Flat
S 3	Necessity of Realignment of		No	No	No	No	Yes	No	No
<u></u>	Approach Road  Necessary Land to be Additionally Acquired (sq.m)		No	No	No	No	No	No	No
Environmental Issue		Houses to be Relocated	No	No	No	No	No	No	No
Enviro	Other Obst	ruction to be Relocated	No	No	No	No	No	10 nos shops	6 nos Trees
	Bridge Len	gth (m)	15	25	20	15	15	25	25
Proposed Bridge	Span Arrar	ngement	1x15m	1x25m	1x20m	1x15m	1x15m	1x25m	1x25m
pesod	Abutment	Height (m)	4.20	4,50	4.50	3.80	3.50	4.50	4.50
Pro	Pler Heigh	t (m)	•		•	•	•		•
Remarks				The previous road ID NO waswrong but the name of the road, location of the bridge are the same as previous one.					

## **BRIDGE SITE SURVEY DATA-1**

	ct : Chandpur f Upazila		Kachua		Farid	ganj	Shahrashti
Serial Nu	mber	37	38	39	40	41	44
Bridge Code		21-04-N4	21-04-N5	21-04-N6	21-05-01	21-05-02	21-06-03
Road ID	Road ID		413585173	413585080	413453009	413453014	413953017
Road Cla	98	R1	R3	R3	R1	R1	R1
Chainage	Chainage (km)		0+100	0+487	5+200	0+000	3+900
	Existing or not	Not Existing	Not Existing	Not Existing	Not Existing	Not Existing	Existing
	Bridge Length (m)						15.00
	Bridge Width (m)						3.55
3ridge	Carriageway Width (m)						3.05
isting (	Superstructure Type						RC
n of Ex	Abutment Type						Masonry
Condition of Existing Bridge	Pier Type						Masonry
ď	Usage of Bridge						All Vehicles
	Condition		<u> </u>				Collapsed
	Present Navigation Clearance Height (m)				<del></del>		1.60
	Bank to Bank Width (m)	16.00	25.00	15.00	133.00	100.00	18.00
	Highest Flood Water Width (m)	20.00	40.00	20.00	133.00	110.00	22.00
	Highest Flood Water Depth (m)	5.00	4.00	4.30	6,50	7.50	3.50
	Normal Flood Water Width (m)	16.00	25.00	14.00	100.00	100.00	16.00
	Normal Flood Water depth (m)	3.50	3.50	3.50	5.50	6.50	2.20
	Dry Season Water Width (m)	10.00	12.00	10.00	60.00	80.00	10.00
ition	Dry Season Water Depth (m)	0.60	0.20	0.40	1.00	6.00	0.60
River Condition	Tidal Fluctuation (m)	0.00	0,40	0.00	0.00	0.00	0.00
Rive	Water Velocity	Slow	Medlum	Slow	Slow	Slow	Slow
	Angle of Bridge to Stream (deg)	90	90	90	90	90	90
	Ferry Services	No	No	No	No	No	No
	Required Navigation Clearance Height (m)	1.20	1.20	0.60	1.20	1.80	1.60
	Type of River Traffic	Country Boat	Engine, Boat, Country Boat	Country Boat	Country Boat	Engine Boat, Country Boat	Engine Boat, Country Boat
	Condition of Bank	Sound	Sound	Sound	Sound	Sound	Sound
	Condition of Riverbed	Sound	Sound	Sound	Sound	Sound	Sound
	Total Road Width (m)	4.00	3.60	4.00	3.60	4.88	4.88
9	Carriageway Width (m)	2.67	2,67	3.05	2,75	3,05	3,67
Approach Road	Embankment Height (m)	2.50	2,50	2.10	1.50	1.80	2.00
pproac	Surface Type	Earthen	Earthen	Earthen	8C/Earthen	BC/Earthen	BC/Earthen
₹	Surface Condition	Bad	Fair	Fair	Good	Good	Good
	Alternative Route (km)	No	No	No	No	No	No