


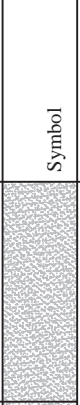









Project : Construction of Meghna Bridge						Client : Oriental Consultants Co. Ltd.						
Bore Hole No. : P7						Existing Ground Level : -15.22m						
Method of Boring : Percussion						Ground/ Water Level : -0.62m						
Boring Dia. : 100mm						Date Started : 15 - 03 -2012						
Depth of Boring : 45.0m						Date Completed : 17 - 03 -2012						
Legend :						 SAND		 SILT		 CLAY		
Co-ordinates :												
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation		
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values		
1.0	D1		3.0	Loose Grey silty very fine SAND with trace of mica		1.0	2	2	2	4		
2.0	D2		2.0			2	3	5	8			
3.0	D3		3.0			3	4	6	10			
4.0	D4		8.0	Medium dense Grey silty very fine SAND with trace of mica		4.0	3	4	8	12		
5.0	D5					5.0	3	5	10	15		
6.0	D6					6.0	4	5	12	17		
7.0	D7					7.0	6	8	10	18		
8.0	D8					8.0	5	7	8	15		
9.0	D9					9.0	6	9	10	19		
10.0	D10					10.0	6	10	12	22		
11.0	D11		10.0	Medium dense to dense Brown to grey fine SAND with trace of mica		11.0	8	10	14	24		
12.0	D12					12.0	8	12	15	27		
13.0	D13					13.0	6	11	14	25		
14.0	D14					14.0	8	12	16	28		
15.0	D15					15.0	8	13	17	30		
16.0	D16					16.0	10	13	20	33		
17.0	D17					17.0	10	14	22	36		
18.0	D18					18.0	11	15	25	40		
19.0	D19					19.0	6	11	14	25		
20.0	D20		20.0	6	13	17	30					

Note : Boring Terminated at 45.0m from EGL
 D for Disturbed sample
 UD for Undisturbed sample

Cont'd.....

Logged by : Azhar
 Check by : Mahabub





Project : Construction of Meghna Bridge		Client : Oriental Consultants Co. Ltd.	
Bore Hole No. : P7	Method of Boring : Percussion	Existing Ground Level : -15.22m	Ground/ Water Level : -0.62m
Boring Dia. : 100mm	Depth of Boring : 45.0m	Date Started : 15 - 03 -2012	Date Completed : 17 - 03 -2012
Legend :		 SAND	 SILT
		 CLAY	
Co-ordinates :			

Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation								
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10	20	30	40	50	60		
21.0		D21	12.0	Very dense Brown to light brown fine SAND with trace of mica		21.0	8	15	20	35								
22.0		D22				22.0	10	20	30	50								
23.0		D23				23.0	12	32	18	50								
24.0		D24				24.0	16	50	0	50								
25.0		D25				25.0	18	50	0	50								
26.0		D26				26.0	21	50	0	50								
27.0		D27				27.0	23	50	0	50								
28.0		D28				28.0	25	50	0	50								
29.0		D29				29.0	27	50	0	50								
30.0		D30				30.0	30	50	0	50								
31.0		D31	31.0	22	50	0	50											
32.0		D32	32.0	26	50	0	50											
33.0		D33	12.0	Very dense Brown silty fine SAND with trace of mica		33.0	20	50	0	50								
34.0		D34				34.0	23	50	0	50								
35.0		D35				35.0	25	50	0	50								
36.0		D36				36.0	27	50	0	50								
37.0		D37				37.0	28	50	0	50								
38.0		D38				38.0	30	50	0	50								
39.0		D39				39.0	22	50	0	50								
40.0		D40				40.0	35	50	0	50								

Note : Boring Terminated at 45.0m from EGL
D for Disturbed sample
UD for Undisturbed sample







Cont'd.....

Logged by : Azhar
Check by : Mahabub

Project : Construction of Meghna Bridge					Client : Oriental Consultants Co. Ltd.												
Bore Hole No. : P7					Existing Ground Level : -15.22m												
Method of Boring : Percussion					Ground/ Water Level : -0.62m												
Boring Dia. : 100mm					Date Started : 15 - 03 -2012												
Depth of Boring : 45.0m					Date Completed : 17 - 03 -2012												
Legend :																	
Co-ordinates :																	
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation							
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10	20	30	40	50	60	
41.0		D41		Very dense Brown silty fine SAND with trace of mica		41.0	37	50	0	50							
42.0		D42				42.0	39	50	0	50							
43.0		D43				43.0	43	50	0	50							
44.0		D44				44.0	45	50	0	50							
45.0		D45				45.0	47	50	0	50							
				End of Boring													
46.0		D46															
47.0		D47															
48.0		D48															
49.0		D49															
50.0		D50															
51.0		D51															
52.0		D52															
53.0		D53															
54.0		D54															
55.0		D55															
56.0		D56															
57.0		D57															
58.0		D58															
59.0		D59															
60.0		D60															

Note : Boring Terminated at 45.0m from EGL
D for Disturbed sample
UD for Undisturbed sample






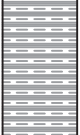

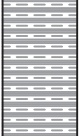

Logged by : Azhar
Check by : Mahabub

Project : Construction of Meghna Bridge						Client : Oriental Consultants Co. Ltd.						
Bore Hole No. : P8						Existing Ground Level : -15.35m						
Method of Boring : Percussion						Ground/ Water Level : -0.80m						
Boring Dia. : 100mm						Date Started : 18-03-2012						
Depth of Boring : 40.0m						Date Completed : 21-03-2012						
Legend :						 SAND		 SILT		 CLAY		
Co-ordinates :												
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation		
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values		
1.0	D1		1.0	Soft Grey non plastic SILT with trace of mica		1.0	1	2	2	4		
2.0	D2		15.0	Loose to medium dense Grey silty fine SAND with trace of mica		2.0	2	3	3	6		
3.0	D3					3.0	2	3	5	8		
4.0	D4					4.0	2	3	6	9		
5.0	D5					5.0	3	4	6	10		
6.0	D6					6.0	3	5	7	12		
7.0	D7					7.0	3	6	9	15		
8.0	D8					8.0	3	6	10	16		
9.0	D9					9.0	3	5	10	15		
10.0	D10					10.0	4	6	8	14		
11.0	D11					11.0	2	8	6	14		
12.0	D12					12.0	3	5	8	13		
13.0	D13					13.0	5	6	16	22		
14.0	D14					14.0	5	8	10	18		
15.0	D15					15.0	4	10	15	25		
16.0	D16					16.0	4	12	17	29		
17.0	D17		4.0	Dense Grey fine SAND with trace of mica		17.0	5	13	19	32		
18.0	D18					18.0	5	15	20	35		
19.0	D19					19.0	6	13	24	37		
20.0	D20					20.0	6	14	26	40		

Note : Boring Terminated at 40.0m from EGL
 D for Disturbed sample
 UD for Undisturbed sample

Cont'd.....




Logged by : Azhar
 Check by : Mahabub



Project : Construction of Meghna Bridge					Client : Oriental Consultants Co. Ltd.							
Bore Hole No. : P8					Existing Ground Level : -15.35m							
Method of Boring : Percussion					Ground/ Water Level : -0.80m							
Boring Dia. : 100mm					Date Started : 18-03-2012							
Depth of Boring : 40.0m					Date Completed : 21-03-2012							
Legend :					 SAND  SILT  CLAY							
Co-ordinates :												
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation		
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10 20 30 40 50 60	
21.0		D21	2.0	Dense Grey fine SAND with trace of mica		21.0	6	16	27	43		
22.0		D22	3.0	Very dense Grey silty fine SAND with trace of mica		22.0	7	18	29	47		
23.0		D23				23.0	7	20	30	50		
24.0		D24				24.0	7	23	27	50		
25.0		D25				25.0	12	27	23	50		
26.0		D26	2.0	Very stiff to hard Brown medium plastic CLAY		26.0	8	12	15	27		
27.0		D27	1.0	Dense Brown fine SAND with trace of mica		27.0	9	15	18	33		
28.0		D28				28.0	10	20	22	42		
29.0		D29	2.0	Very stiff Brown medium plastic CLAY		29.0	6	12	15	27		
30.0		D30	10.0	Dense to very dense Light brown fine SAND with trace of mica		30.0	7	13	16	29		
31.0		D31				31.0	9	18	22	40		
32.0		D32				32.0	10	20	23	43		
33.0		D33				33.0	12	25	25	50		
34.0		D34				34.0	15	28	22	50		
35.0		D35				35.0	17	30	20	50		
36.0		D36				36.0	20	35	15	50		
37.0		D37				37.0	22	40	10	50		
38.0		D38	38.0	27	45	5	50					
39.0		D39	39.0	27	50	-	50					
40.0		D40	40.0	29	50	-	50					

Note : Boring Terminated at 40.0m from EGL
D for Disturbed sample
UD for Undisturbed sample

End of Boring

Logged by : Azhar
Check by : Mahabub






Project : Construction of Meghna Bridge		Client : Oriental Consultants Co. Ltd.	
Bore Hole No. : P9	Method of Boring : Percussion	Existing Ground Level : -18.71m	Ground/ Water Level : -0.18m
Boring Dia. : 100mm	Depth of Boring : 40.0m	Date Started : 18-03-2012	Date Completed : 21-03-2012
Legend :		 SAND	 SILT
		 CLAY	
Co-ordinates :			

Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation		
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values		
1.0		D1	18.0	Medium dense Grey silty very fine SAND with trace of mica		1.0	6	7	9	16		
2.0		D2				2.0	7	9	10	19		
3.0		D3				3.0	8	10	12	22		
4.0		D4				4.0	3	4	4	8		
5.0		D5				5.0	3	4	5	9		
6.0		D6				6.0	4	5	7	12		
7.0		D7				7.0	3	4	5	9		
8.0		D8				8.0	3	5	5	10		
9.0		D9				9.0	3	5	6	11		
10.0		D10				10.0	4	6	8	14		
11.0		D11				11.0	4	7	9	16		
12.0		D12				12.0	5	8	10	18		
13.0		D13				13.0	4	7	11	18		
14.0		D14				14.0	4	8	11	19		
15.0		D15				15.0	5	9	12	21		
16.0		D16				16.0	6	10	13	23		
17.0		D17				17.0	7	12	14	26		
18.0		D18				18.0	8	13	16	29		
19.0		D19		19.0	18	30	20	50				
20.0		D20		20.0	20	40	10	50				
				Medium dense Grey silty very fine SAND with trace of mica								

Note : Boring Terminated at 40.0m from EGL
D for Disturbed sample
UD for Undisturbed sample

Cont'd.....







Logged by : Azhar
Check by : Mahabub

Project : Construction of Meghna Bridge					Client : Oriental Consultants Co. Ltd.													
Bore Hole No. : P9					Existing Ground Level : -18.71m													
Method of Boring : Percussion					Ground/ Water Level : -0.18m													
Boring Dia. : 100mm					Date Started : 18-03-2012													
Depth of Boring : 40.0m					Date Completed : 21-03-2012													
Legend :					 SAND  SILT  CLAY													
Co-ordinates :																		
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation								
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10	20	30	40	50	60		
21.0		D21	10.0	Medium dense Grey silty very fine SAND with trace of mica		21.0	25	50	0	50								
22.0		D22				22.0	20	35	15	50								
23.0		D23				23.0	19	31	19	50								
24.0		D24				24.0	15	27	23	50								
25.0		D25				25.0	15	28	22	50								
26.0		D26				26.0	15	29	21	50								
27.0		D27				27.0	17	30	20	50								
28.0		D28				28.0	18	32	18	50								
29.0		D29	12.0	Medium dense Grey silty very fine SAND with trace of mica		29.0	20	35	15	50								
30.0		D30				30.0	22	37	13	50								
31.0		D31				31.0	21	38	12	50								
32.0		D32				32.0	22	40	10	50								
33.0		D33				33.0	25	42	8	50								
34.0		D34				34.0	27	40	10	50								
35.0		D35				35.0	28	45	5	50								
36.0		D36				36.0	30	50	-	50								
37.0		D37				37.0	32	50	-	50								
38.0		D38				38.0	35	50	-	50								
39.0		D39				39.0	35	50	-	50								
40.0		D40				40.0	40	50	-	50								

Note : Boring Terminated at 40.0m from EGL
D for Disturbed sample
UD for Undisturbed sample

End of Boring







Logged by : Azhar
Check by : Mahabub

Project : Construction of Meghna Bridge					Client : Oriental Consultants Co. Ltd.											
Bore Hole No. : P10					Existing Ground Level : -20.20m											
Method of Boring : Percussion					Ground/ Water Level : -3.2m											
Boring Dia. : 100mm					Date Started : 22-03-2012											
Depth of Boring : 40.0m					Date Completed : 24-03-2012											
Legend :					 SAND  SILT  CLAY											
Co-ordinates :																
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation						
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10	20	30	40	50	60
1.0	D1		7.0	Medium dense Grey fine SAND with trace of mica		1.0	3	3	8	11						
2.0	D2					2.0	4	6	11	17						
3.0	D3					3.0	6	10	13	23						
4.0	D4					4.0	3	4	6	10						
5.0	D5					5.0	3	4	6	10						
6.0	D6					6.0	4	5	6	11						
7.0	D7					7.0	3	4	6	10						
8.0	D8		7.0	Medium dense Light grey silty very fine SAND with trace of mica		8.0	4	5	7	12						
9.0	D9					9.0	4	4	8	12						
10.0	D10					10.0	5	7	8	15						
11.0	D11					11.0	3	6	7	13						
12.0	D12					12.0	4	7	10	17						
13.0	D13					13.0	5	7	8	15						
14.0	D14					14.0	5	8	9	17						
15.0	D15		6.0	Medium dense Grey fine SAND with trace of mica		15.0	5	8	12	20						
16.0	D16					16.0	6	8	12	20						
17.0	D17					17.0	5	10	12	22						
18.0	D18					18.0	7	10	15	25						
19.0	D19					19.0	8	8	15	23						
20.0	D20					20.0	5	8	12	20						

Note : Boring Terminated at 40.0m from EGL
D for Disturbed sample
UD for Undisturbed sample

Cont'd.....




Logged by : Azhar
Check by : Mahabub


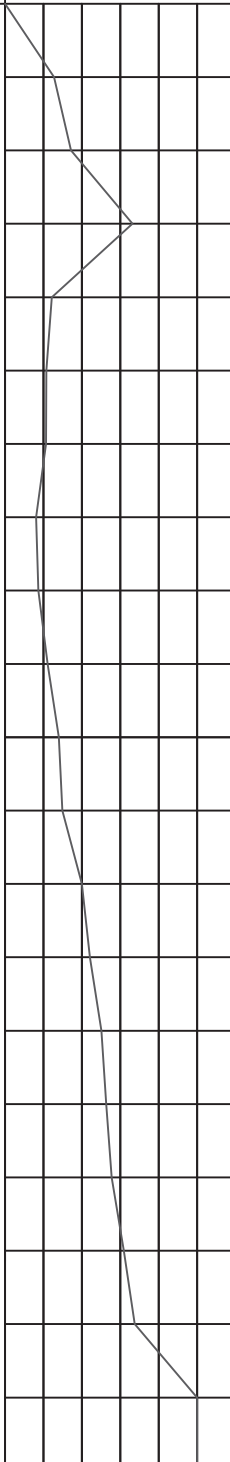



Project : Construction of Meghna Bridge					Client : Oriental Consultants Co. Ltd.													
Bore Hole No. : P10					Existing Ground Level : -20.20m													
Method of Boring : Percussion					Ground/ Water Level : -3.2m													
Boring Dia. : 100mm					Date Started : 22-03-2012													
Depth of Boring : 40.0m					Date Completed : 24-03-2012													
Legend :					 SAND  SILT  CLAY													
Co-ordinates :																		
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation								
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10	20	30	40	50	60		
21.0		D21	10.0	Very dense Grey to light grey silty very fine SAND with trace of mica		21.0	22	50	0	50								
22.0		D22				22.0	20	50	0	50								
23.0		D23				23.0	27	50	0	50								
24.0		D24				24.0	20	28	28	56								
25.0		D25				25.0	18	32	35	67								
26.0		D26				26.0	16	32	18	50								
27.0		D27				27.0	20	50	0	50								
28.0		D28				28.0	22	50	0	50								
29.0		D29				29.0	24	50	0	50								
30.0		D30				30.0	28	50	0	50								
31.0		D31	5.0	Very dense Yellowish brown silty very fine SAND with trace of mica		31.0	20	50	0	50								
32.0		D32				32.0	22	50	0	50								
33.0		D33				33.0	30	50	0	50								
34.0		D34				34.0	27	50	0	50								
35.0		D35				35.0	28	50	0	50								
36.0		D36	5.0	Very dense Light grey silty very fine SAND with trace of mica		36.0	23	50	0	50								
37.0		D37				37.0	26	50	0	50								
38.0		D38				38.0	27	50	0	50								
39.0		D39				39.0	28	50	0	50								
40.0		D40				40.0	30	50	0	50								

Note : Boring Terminated at 40.0m from EGL
D for Disturbed sample
UD for Undisturbed sample

End of Boring

Logged by : Azhar
Check by : Mahabub





Project : Construction of Meghna Bridge		Client : Oriental Consultants Co. Ltd.	
Bore Hole No. : P11	Method of Boring : Percussion	Existing Ground Level : -18.14m	Ground/ Water Level : -2.9m
Boring Dia. : 100mm	Depth of Boring : 40.0m	Date Started : 22-03-2012	Date Completed : 25-03-2012
Legend :		 SAND	 SILT
		 CLAY	
Co-ordinates :			

Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation	
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	
1.0	D1		6.0	Medium dense Grey fine SAND with trace of mica		1.0	3	4	8	12	
2.0	D2					2.0	4	7	10	17	
3.0	D3					3.0	10	15	18	33	
4.0	D4					4.0	3	5	7	12	
5.0	D5					5.0	3	5	6	11	
6.0	D6					6.0	3	5	6	11	
7.0	D7		6.0	Loose to medium dense Grey silty fine SAND with trace of mica		7.0	2	3	5	8	
8.0	D8					8.0	3	3	6	9	
9.0	D9					9.0	3	4	7	11	
10.0	D10					10.0	4	5	8	13	
11.0	D11					11.0	4	5	10	15	
12.0	D12					12.0	6	8	12	20	
13.0	D13		6.0	Medium dense to dense Grey fine SAND with trace of mica		13.0	6	9	13	22	
14.0	D14					14.0	7	10	15	25	
15.0	D15					15.0	7	12	14	26	
16.0	D16					16.0	7	12	16	28	
17.0	D17					17.0	4	14	17	31	
18.0	D18					18.0	8	15	18	33	
19.0	D19		6.0	Very dense Grey fine SAND with trace of mica		19.0	9	15	35	50	
20.0	D20					20.0	11	13	37	50	

Note : Boring Terminated at 40.0m from EGL
D for Disturbed sample
UD for Undisturbed sample

Cont'd.....





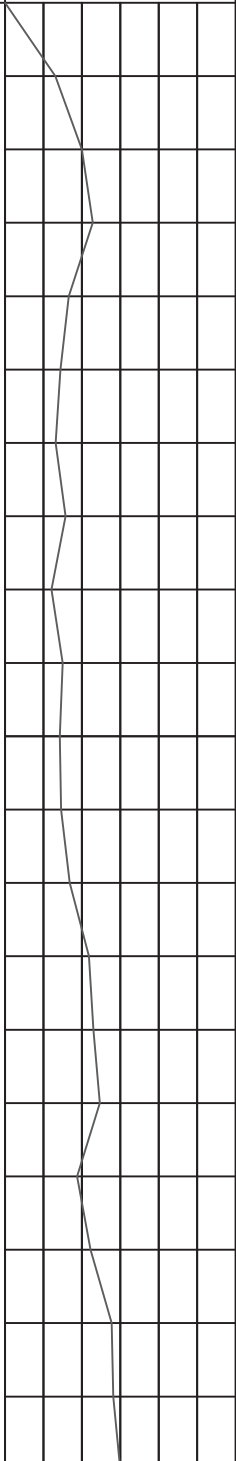


Logged by : Azhar
Check by : Mahabub

Project : Construction of Meghna Bridge					Client : Oriental Consultants Co. Ltd.													
Bore Hole No. : P11					Existing Ground Level : -18.14m													
Method of Boring : Percussion					Ground/ Water Level : -2.9m													
Boring Dia. : 100mm					Date Started : 22-03-2012													
Depth of Boring : 40.0m					Date Completed : 25-03-2012													
Legend :					 SAND	 SILT	 CLAY											
Co-ordinates :																		
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation								
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10	20	30	40	50	60		
21.0		D21	22.0	Very dense Grey fine SAND with trace of mica		21.0	12	14	36	50								
22.0		D22				22.0	14	20	30	50								
23.0		D23				23.0	16	32	18	50								
24.0		D24				24.0	18	50	0	50								
25.0		D25				25.0	20	50	0	50								
26.0		D26				26.0	22	50	0	50								
27.0		D27				27.0	24	50	0	50								
28.0		D28				28.0	26	50	0	50								
29.0		D29				29.0	28	50	0	50								
30.0		D30				30.0	31	50	0	50								
31.0		D31				31.0	33	50	0	50								
32.0		D32				32.0	35	50	0	50								
33.0		D33				33.0	38	50	0	50								
34.0		D34				34.0	35	50	0	50								
35.0		D35				35.0	37	50	0	50								
36.0		D36				36.0	38	50	0	50								
37.0		D37				37.0	32	50	0	50								
38.0		D38				38.0	34	50	0	50								
39.0		D39				39.0	36	50	0	50								
40.0		D40	40.0	37	50	0	50											

Note : Boring Terminated at 40.0m from EGL
D for Disturbed sample
UD for Undisturbed sample

End of Boring

Logged by : Azhar
Check by : Mahabub

Project : Construction of Meghna Bridge						Client : Oriental Consultants Co. Ltd.						
Bore Hole No. : P12						Existing Ground Level : -13.56m						
Method of Boring : Percussion						Ground/ Water Level : -3.44m						
Boring Dia. : 100mm						Date Started : 25-03-2012						
Depth of Boring : 40.0m						Date Completed : 27-03-2012						
Legend :						 SAND		 SILT		 CLAY		
Co-ordinates :												
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation		
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10 20 30 40 50 60	
1.0	D1		11.0	Medium dense Grey to light grey silty very fine SAND with trace of mica		1.0	4	6	7	13		
2.0	D2					2.0	6	8	12	20		
3.0	D3					3.0	8	10	13	23		
4.0	D4					4.0	5	6	10	16		
5.0	D5					5.0	5	6	8	14		
6.0	D6					6.0	4	6	7	13		
7.0	D7					7.0	4	7	9	16		
8.0	D8					8.0	4	5	7	12		
9.0	D9					9.0	3	5	10	15		
10.0	D10					10.0	4	6	8	14		
11.0	D11					11.0	2	8	6	14		
12.0	D12		4.0	Medium dense Brown silty very fine SAND with trace of mica		12.0	4	7	10	17		
13.0	D13					13.0	6	9	13	22		
14.0	D14					14.0	6	8	15	23		
15.0	D15					15.0	4	10	15	25		
16.0	D16		10.0	Medium dense to dense Grey silty very fine SAND with trace of mica		16.0	5	7	12	19		
17.0	D17					17.0	6	8	14	22		
18.0	D18					18.0	8	10	18	28		
19.0	D19					19.0	7	10	18	28		
20.0	D20					20.0	8	13	17	30		

Note : Boring Terminated at 40.0m from EGL
 D for Disturbed sample
 UD for Undisturbed sample

Cont'd.....





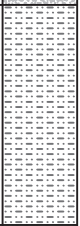

Logged by : Azhar
 Check by : Mahabub

Project : Construction of Meghna Bridge						Client : Oriental Consultants Co. Ltd.									
Bore Hole No. : P12						Existing Ground Level : -13.56m									
Method of Boring : Percussion						Ground/ Water Level : -3.44m									
Boring Dia. : 100mm						Date Started : 25-03-2012									
Depth of Boring : 40.0m						Date Completed : 27-03-2012									
Legend :						SAND		SILT		CLAY					
Co-ordinates :															
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation					
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10 20 30 40 50 60				
21.0		D21	10.0	Medium dense to dense Grey silty very fine SAND with trace of mica		21.0	10	14	18	32					
22.0		D22				22.0	9	14	20	34					
23.0		D23				23.0	9	13	28	41					
24.0		D24				24.0	9	14	18	32					
25.0		D25				25.0	10	14	20	34					
26.0		D26				5.0	Very dense Light grey fine SAND with trace of mica		26.0	14		20	30	50	
27.0		D27							27.0	14		50	0	50	
28.0		D28							28.0	16		50	0	50	
29.0		D29							29.0	18		50	0	50	
30.0		D30							30.0	20		50	0	50	
31.0		D31	31.0	23	50				0	50					
32.0		D32	32.0	26	50				0	50					
33.0		D33	33.0	31	50				0	50					
34.0		D34	34.0	33	50				0	50					
35.0		D35	35.0	28	50				0	50					
36.0		D36		Very dense Yellowish brown silty fine SAND with trace of mica		36.0	35	50	0	50					
37.0		D37				37.0	38	50	0	50					
38.0		D38				38.0	32	50	0	50					
39.0		D39				39.0	35	50	0	50					
40.0		D40				40.0	37	50	0	50					

Note : Boring Terminated at 40.0m from EGL
D for Disturbed sample
UD for Undisturbed sample

End of Boring

Logged by : Azhar
Check by : Mahabub

Project : Construction of Meghna Bridge						Client : Oriental Consultants Co. Ltd.											
Bore Hole No. : A2						Existing Ground Level : +3.39m											
Method of Boring : Percussion						Ground/ Water Level : -1.18m											
Boring Dia. : 100mm						Date Started : 09-03-2012											
Depth of Boring : 51.0m						Date Completed : 13-03-2012											
Legend :						 SAND		 SILT		 CLAY							
Co-ordinates :																	
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation							
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10	20	30	40	50	60	
1.0	D1		6.0	Brown silty fine SAND with brick chips and rubbish.		1.0	0	0	0	00							
2.0	D2		2.0			0	0	0	00								
3.0	D3		3.0			0	0	0	00								
4.0	D4		4.0			0	0	0	00								
5.0	D5		5.0			0	0	0	00								
6.0	D6		6.0			2	3	4	7								
7.0	D7		3.0	Medium stiff to stiff Brown to light brown non plastic SILT with trace of mica		7.0	2	3	5	8							
8.0	D8		8.0			3	4	6	10								
9.0	D9		9.0			4	5	7	12								
10.0	D10		11.0	Medium dense Grey to light grey silty fine SAND with trace of mica		10.0	3	4	5	9							
11.0	D11		11.0			4	5	5	10								
12.0	D12		12.0			5	6	7	13								
13.0	D13		13.0			5	6	8	14								
14.0	D14		14.0			6	8	9	17								
15.0	D15		15.0			5	8	9	17								
16.0	D16		16.0			5	6	8	14								
17.0	D17		17.0			5	6	7	13								
18.0	D18		18.0			5	6	7	13								
19.0	D19		19.0			8	10	12	22								
20.0	D20		20.0	8	11	13	24										

Note : Boring Terminated at 51.0m from EGL
 D for Disturbed sample
 UD for Undisturbed sample

Cont'd.....





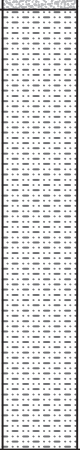
Logged by : Azhar
 Check by : Mahabub

Project : Construction of Meghna Bridge						Client : Oriental Consultants Co. Ltd.						
Bore Hole No. : A2						Existing Ground Level : +3.39m						
Method of Boring : Percussion						Ground/ Water Level : -1.18m						
Boring Dia. : 100mm						Date Started : 09-03-2012						
Depth of Boring : 51.0m						Date Completed : 13-03-2012						
Legend :						SAND		SILT		CLAY		
Co-ordinates :												
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation		
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10 20 30 40 50 60	
21.0		D21	6.0	Medium dense Grey to light grey silty fine SAND with trace of mica		21.0	9	12	14	26		
22.0		D22				22.0	7	10	12	22		
23.0		D23				23.0	6	9	10	19		
24.0		D24				24.0	5	6	8	14		
25.0		D25				25.0	5	7	8	15		
26.0		D26				26.0	5	8	10	18		
27.0		D27	5.0	Medium dense Grey to brown silty fine SAND with trace of mica		27.0	6	9	10	19		
28.0		D28				28.0	6	10	12	22		
29.0		D29				29.0	6	9	10	19		
30.0		D30				30.0	6	10	12	22		
31.0		D31				31.0	8	12	18	30		
32.0		D32				7.0	Dense to very dense Light grey silty fine SAND with trace of mica		32.0	18		30
33.0		D33	33.0	20	35				15	50		
34.0		D34	34.0	22	35				15	50		
35.0		D35	35.0	12	17				23	40		
36.0		D36	36.0	10	16				22	38		
37.0		D37	37.0	10	16				21	37		
38.0		D38	38.0	9	14				20	34		
39.0		D39	39.0	9	13				15	28		
40.0		D40	40.0	9	14	18	32					

Note : Boring Terminated at 51.0m from EGL
D for Disturbed sample
UD for Undisturbed sample

Cont'd.....

Logged by : Azhar
Check by : Mahabub

Project : Construction of Meghna Bridge					Client : Oriental Consultants Co. Ltd.													
Bore Hole No. : A2					Existing Ground Level : +3.39m													
Method of Boring : Percussion					Ground/ Water Level : -1.18m													
Boring Dia. : 100mm					Date Started : 09-03-2012													
Depth of Boring : 51.0m					Date Completed : 13-03-2012													
Legend :					 SAND  SILT  CLAY													
Co-ordinates :																		
Location of Boring : Meghnaghat						Blows on spoon				Graphical Representation								
Depth below G.L. (m)	Type of Sample	Sample No.	Thickness in (m)	DESCRIPTION OF SOIL STRATA	Symbol	SPT intervals (m)	15 cm penetration	15 cm penetration	15 cm penetration	N-Values	10	20	30	40	50	60		
41.0		D41	7.0	Medium dense to dense Grey to brown silty fine SAND with trace of mica		41.0	10	15	20	35								
42.0		D42				42.0	10	16	22	38								
43.0		D43				43.0	10	14	23	37								
44.0		D44				44.0	10	15	26	41								
45.0		D45				45.0	10	16	28	44								
46.0		D46	6.0	Hard Yellowish brown non plastic SILT with trace of mica		46.0	12	18	28	46								
47.0		D47				47.0	15	20	29	49								
48.0		D48				48.0	20	50	0	50								
49.0		D49				49.0	25	50	0	50								
50.0		D50				50.0	32	50	0	50								
51.0		D51				51.0	35	50	0	50								
52.0		D52																
53.0		D53																
54.0		D54																
55.0		D55																
56.0		D56																
57.0		D57																
58.0		D58																
59.0		D59																
60.0		D60																
				End of Boring														

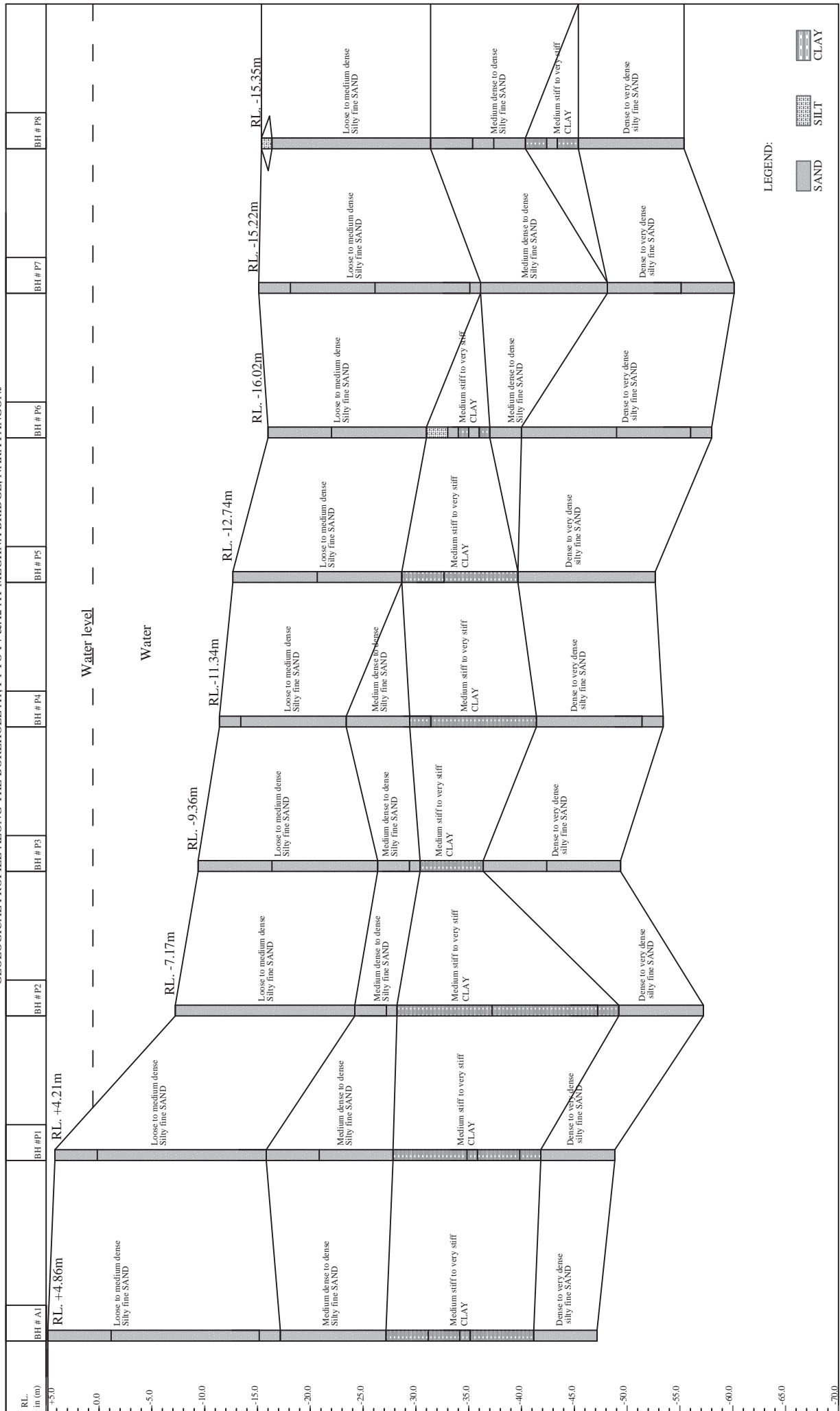
Note : Boring Terminated at 51.0m from EGL
D for Disturbed sample
UD for Undisturbed sample

Logged by : Azhar
Check by : Mahabub

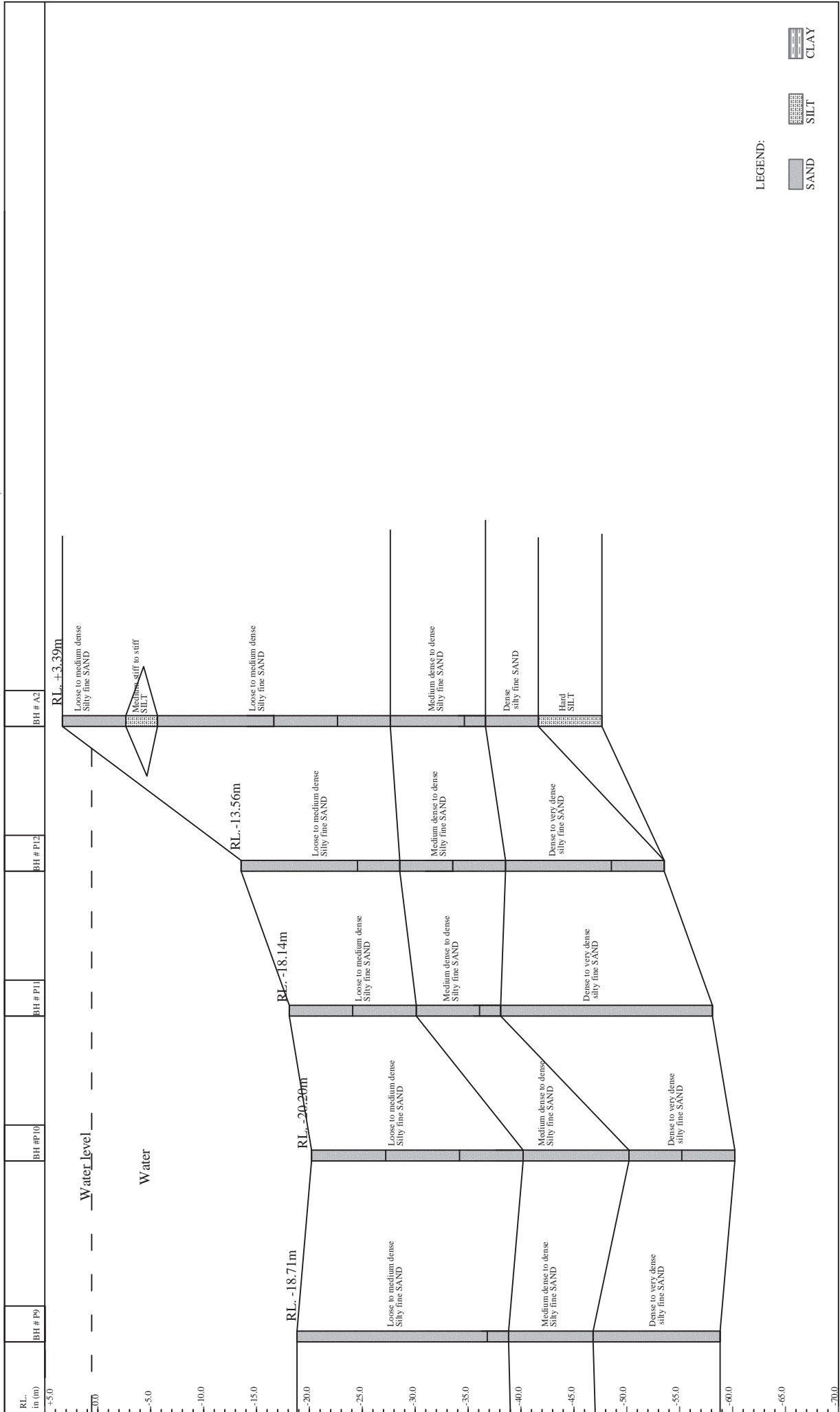
GEOLOGICAL PROFILE

SURVEY 2000

GEOLOGICAL PROFILE ALONG THE BOREHOLE A1, P1 TO P7 & A2 AT MEGHNA BRIDGE, NARAYANGONJ



SURVEY 2000
GEOLOGICAL PROFILE ALONG THE BOREHOLE P9 TO P12 & A2 AT MEGHNA BRIDGE, NARAYANGONI



PRESSURE METER TEST

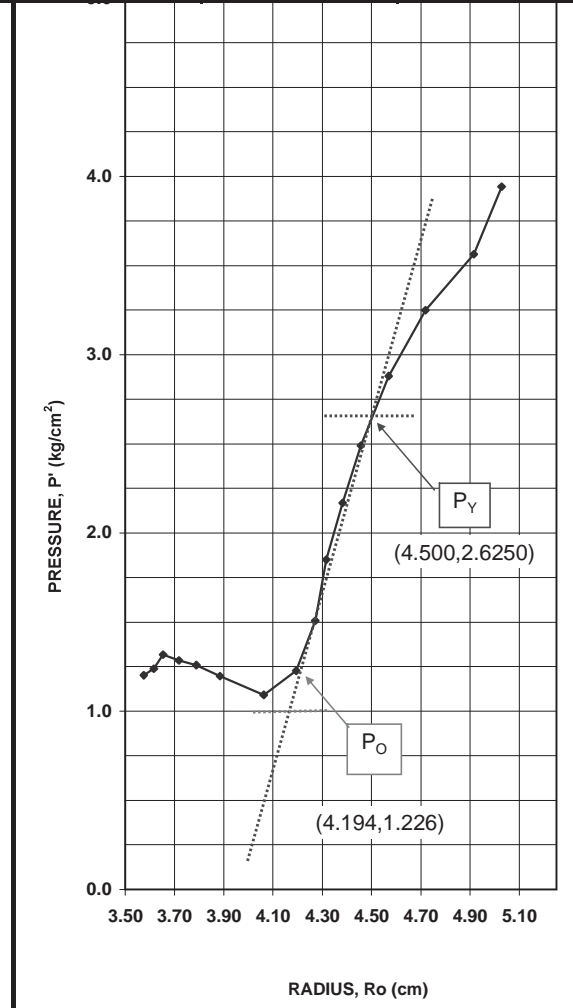
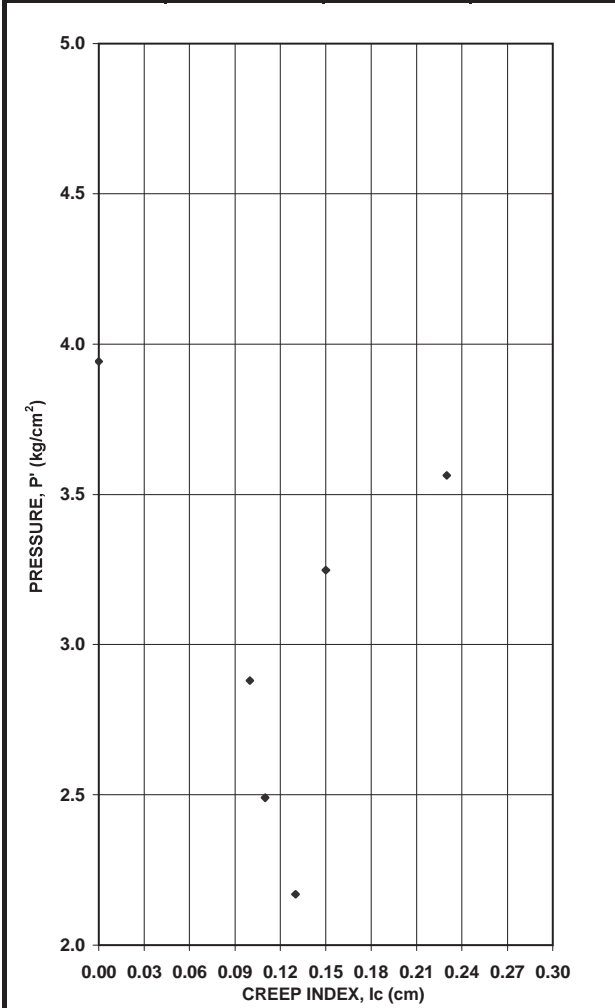
PRESSUREMETER TEST DATA RESULTS

No.	(1) P kg/cm ²	(2) P' = P - RG kg/cm ²	(3) RG kg/cm ²	(4) Rn ₀ mm	(5) Rn ₃₀ mm	(6) Rn ₆₀ mm	(7) Rn ₁₂₀ mm	(8) Creep Index, I _c mm	(9) Rs cm	(10) Ro cm
1	1.12	1.20	-0.08	-1.26	-1.28	-1.28	-1.28	0.00	2.22	3.57
2	1.43	1.24	0.19	-0.73	-0.68	-0.64	-0.62	0.06	2.29	3.62
3	1.73	1.32	0.42	-0.04	-0.03	0.03	-0.02	0.01	2.35	3.65
4	2.04	1.29	0.75	0.87	0.90	0.91	0.95	0.05	2.45	3.72
5	2.34	1.26	1.09	1.86	1.97	2.00	2.03	0.06	2.55	3.79
6	2.65	1.20	1.45	3.26	3.31	3.38	3.42	0.11	2.69	3.88
7	3.06	1.09	1.97	5.32	5.62	5.79	5.93	0.31	2.94	4.06
8	3.47	1.23	2.24	6.70	7.02	7.30	7.73	0.71	3.12	4.19
9	3.87	1.51	2.37	8.31	8.50	8.64	8.75	0.25	3.23	4.27
10	4.28	1.85	2.43	9.10	9.22	9.27	9.34	0.12	3.28	4.32
11	4.69	2.17	2.52	9.93	10.08	10.12	10.21	0.13	3.37	4.38
12	5.10	2.49	2.61	10.79	11.05	11.10	11.16	0.11	3.47	4.46
13	5.61	2.88	2.73	13.31	12.52	12.55	12.62	0.10	3.61	4.57
14	6.12	3.25	2.87	14.02	14.33	14.38	14.48	0.15	3.80	4.72
15	6.63	3.56	3.06	16.05	16.67	16.77	16.90	0.23	4.04	4.92
16	7.14	3.94	3.19	18.26	18.26	18.26	18.26	0.00	4.18	5.03
17										
18										
19										
20										
21										
22										

REMARKS:				TIME TAKEN :			
(2) ... P' (kg/cm ²) effective pressure obtained by (1) - (3) : P' = P - RG (3) ... RG (kg/cm ²) obtained from Rn (120) using Rg Calibration Chart. (8) ... Creep Index, I _c Obtained by (7) - (5); I _c = Rn (120) - Rn (30) in mm. (9) ... R _s inside radius obtained by the following equations: <u>Medium Rubber</u> <u>Hard Rubber</u> $R_s(\text{cm}) = \{Rn(120) + 23.5\} / 10$ for P <= 10 $R_s(\text{cm}) = \{Rn(120) + 23.5\} / 10$ for P <= 20 $R_s(\text{cm}) = \{Rn(120) + 23.5 \cdot [P-10]/666\} / 10$ for P > 10 $R_s(\text{cm}) = \{Rn(120) + 23.5 - [P-20] / 400\} / 10$ for P > 20				TEST LOCATION: A1 MEGHNA		TEST DEPTH: 10m	
				TEST NO.: 1		TEST DATE: 25/03/2012	
				PAGE:		N - VALUE: 11	
RUBBER TYPE: MIDIUM		GROUND WATER LEVEL:		N VALUE: 11		SOIL TYPE: VERY FINE SAND	
PROJECT: PREPERATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL HIGHWAY NO.1 BRIDGE CONSTRUCTION AND REHABILITATION PROJECT.				SPECIALIST SUB-CONTRACTOR: SURVEY2000 TEL: 8818386, 0417258869 Email: survey2k@yahoo.com			
CLIENT: BANGLADESH ROADS & HIGHWAY Department				CONSULTANT: ORIENTAL CONSULTANTS CO. LTD			

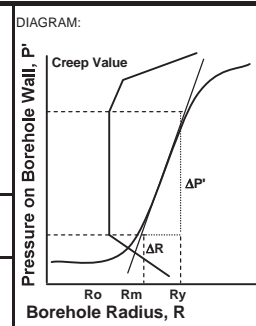
PRESSUREMETER TEST DATA RESULTS

	EARTH PRESSURE AT REST	YIELD PRESSURE	FAILURE PRESSURE	COEFFICIENT OF SOIL REACTION	MODULUS OF ELASTICITY	MEAN RADIUS OF K VALUE CALCULATION
NO. OF CYCLE	Po (kg/cm ²)	Py (kg/cm ²)	Pf (kg/cm ²)	Km (kg/cm ³)	Em (kg/cm ²)	Rm (cm)
1st	1.226	2.625	-	3.721	21.196	4.382



REMARKS:

Po, Po' Earth Pressure at Rest
 Py, Py' Yield Pressure
 $E = (1 + \nu) \cdot Rm \cdot Km$ Modulus of Elasticity
 $\nu = 0.3$



TEST LOCATION:	TEST DEPTH:
A1 MEGHNA	10m
TEST NO.:	TEST DATE:
1	25/03/2012

RUBBER TYPE: MEDIUM	N VALUE: 11	SOIL TYPE: VERY FINE SAND
-------------------------------	-----------------------	-------------------------------------

PROJECT:
PREPARATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL HIGHWAY NO.1 BRIDGE CONSTRUCTION AND REHABILITATION PROJECT

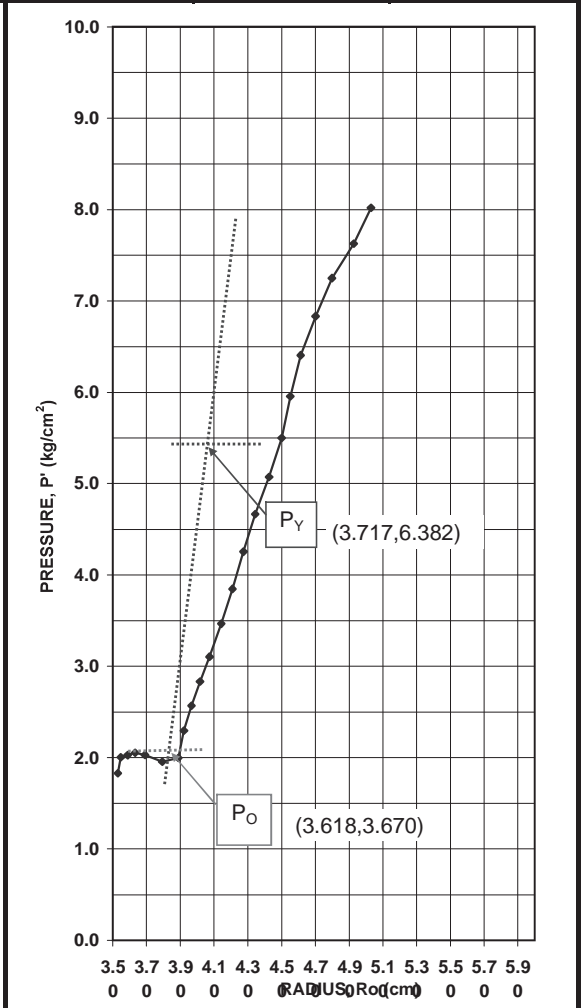
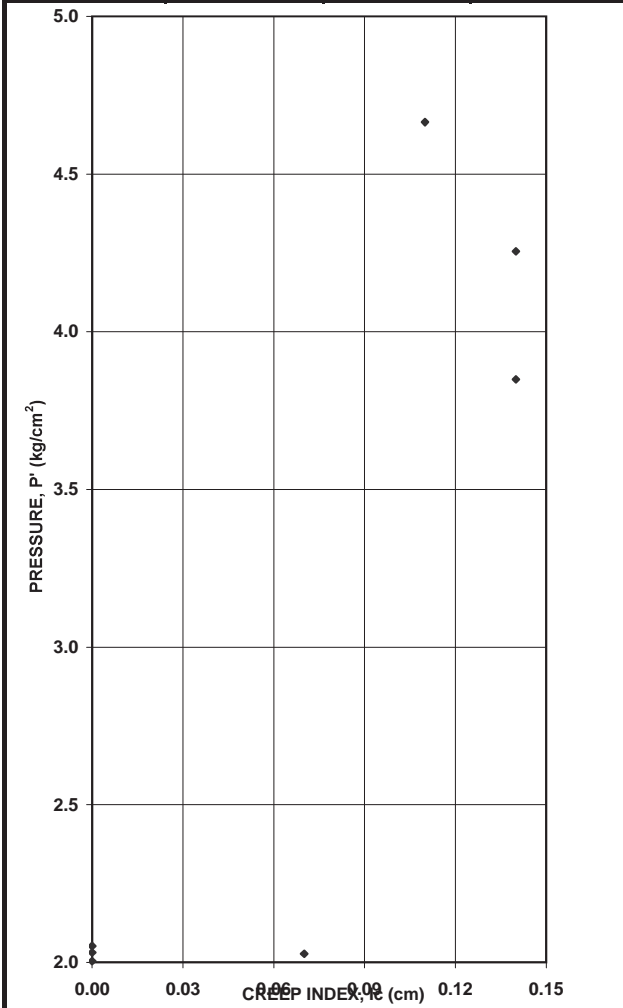
SURVEY2000
 TEL: 8818386, 0417258869
 Email: survey2k@yahoo.com

CLIENT:
BANGLADESH ROADS & HIGHWAY DEPARTMENT

CONSULTANT:
ORIENTAL COSULTANTS CO. LTD

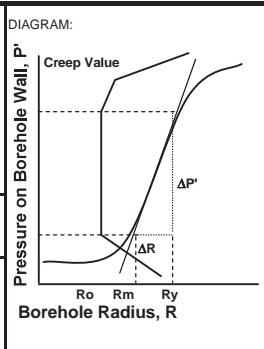
PRESSUREMETER TEST DATA RESULTS

	EARTH PRESSURE AT REST	YIELD PRESSURE	FAILURE PRESSURE	COEFFICIENT OF SOIL REACTION	MODULUS OF ELASTICITY	MEAN RADIUS OF K VALUE CALCULATION
NO. OF CYCLE	P _o (kg/cm ²)	P _y (kg/cm ²)	P _f (kg/cm ²)	K _m (kg/cm ³)	E _m (kg/cm ²)	R _m (cm)
1st	6.382	3.670	-	27.394	130.607	3.668



REMARKS:

P_o, P_o' Earth Pressure at Rest
 P_y, P_y' Yield Pressure
 $E = (1 + \nu) \cdot R_m \cdot K_m$ Modulus of Elasticity
 $\nu = 0.3$



TEST LOCATION: **A1 MEGHNA**
 TEST DEPTH: **16m**

TEST NO.: **2**
 TEST DATE: **23/03/2012**

RUBBER TYPE: **MEDIUM**
 N VALUE: **9**
 SOIL TYPE: **VERY FINE SAND**

SPECIALIST SUB-CONTRACTOR:
SURVEY2000
 TEL: 8818386,01711323266
 Email: survey2k@yahoo.com

PROJECT:
PREPARATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL HIGHWAY NO.1 BRIDGE CONSTRUCTION AND REHABILITATION PROJECT

CLIENT:
BANGLADESH ROADS & HIGHWAY DEPARTMENT

CONSULTANT:
ORIENTAL COSULTANTS CO. LTD

PRESSUREMETER TEST DATA RESULTS

No.	(1) P kg/cm ²	(2) P' = P - RG kg/cm ²	(3) RG kg/cm ²	(4) Rn ₀ mm	(5) Rn ₃₀ mm	(6) Rn ₆₀ mm	(7) Rn ₁₂₀ mm	(8) Creep Index, I _c mm	(9) Rs cm	(10) Ro cm
1	1.94	2.22	-0.28	-1.75	-1.75	-1.75	-1.74	0.01	2.18	3.55
2	2.24	2.48	-0.24	-1.71	-1.71	-1.70	-1.64	0.07	2.19	3.55
3	2.55	2.72	-0.17	-1.60	-1.67	-1.54	-1.50	0.17	2.20	3.56
4	2.85	2.94	-0.09	-1.43	-1.38	-1.37	-1.30	0.08	2.22	3.57
5	3.16	3.17	-0.01	-1.27	-1.23	-1.19	-1.11	0.12	2.24	3.58
6	3.47	3.34	0.13	-0.93	-0.90	-0.83	-0.77	0.13	2.27	3.61
7	3.87	3.62	0.25	-0.63	0.58	-0.50	-0.46	-1.04	2.30	3.63
8	4.18	3.85	0.33	-0.37	-0.31	-0.28	-0.25	0.06	2.33	3.64
9	4.49	4.04	0.45	-0.14	-0.06	0.00	0.06	0.12	2.36	3.66
10	4.79	4.24	0.55	0.20	0.26	0.31	0.36	0.10	2.39	3.68
11	5.10	4.46	0.64	0.44	0.49	0.53	0.60	0.11	2.41	3.69
12	5.50	4.76	0.75	0.77	0.82	0.87	0.93	0.11	2.44	3.72
13	5.91	5.05	0.87	1.12	1.18	1.22	1.30	0.12	2.48	3.74
14	6.32	5.33	0.99	1.51	1.57	1.62	1.69	0.12	2.52	3.77
15	6.73	5.63	1.10	1.93	1.99	2.02	2.08	0.09	2.56	3.79
16	7.14	5.90	1.23	2.40	2.43	2.48	2.55	0.12	2.61	3.82
17	7.65	6.29	1.35	2.81	2.90	2.96	3.02	0.12	2.65	3.86
18	8.15	6.66	1.49	3.33	3.45	3.51	3.58	0.13	2.71	3.90
19	8.66	7.04	1.62	4.00	4.06	4.10	4.16	0.10	2.77	3.94
20	9.17	7.43	1.75	4.52	4.62	4.68	4.75	0.13	2.83	3.98
21	9.68	7.81	1.87	5.17	5.29	5.34	5.40	0.11	2.89	4.02
22	10.19	8.20	2.00	5.81	5.89	5.93	6.10	0.21	2.96	4.07
23	11.01	8.84	2.17	6.88	7.05	7.16	7.25	0.20	3.08	4.16
24	11.82	9.50	2.33	7.88	8.15	8.30	8.43	0.28	3.19	4.25
25	12.74	10.22	2.52	9.47	9.82	10.03	10.18	0.36	3.37	4.38
26	13.76	11.05	2.71	11.45	11.90	12.15	12.44	0.54	3.59	4.56
27	14.78	11.84	2.94	13.80	14.50	15.05	15.41	0.91	3.89	4.79
28	15.80	12.62	3.18	16.50	17.20	18.27	18.10	0.90	4.16	5.01
29	16.31	13.12	3.19	18.27	18.27	18.27	18.27	0.00	4.18	5.03

REMARKS:				TIME TAKEN :			
(2) ... P' (kg/cm ²) effective pressure obtained by (1) - (3) : P' = P - RG (3) ... RG (kg/cm ²) obtained from Rn (120) using Rg Calibration Chart. (8) ... Creep Index, I _c Obtained by (7) - (5); I _c = Rn (120) - Rn (30) in mm. (9) ... R _s inside radius obtained by the following equations: <u>Medium Rubber</u> <u>Hard Rubber</u> $R_s(cm) = \{Rn(120) + 23.5\} / 10$ for P <= 10 $R_s(cm) = \{Rn(120) + 23.5\} / 10$ for P <= 20 $R_s(cm) = \{Rn(120) + 23.5 \cdot [P-10]/666\} / 10$ for P > 10 $R_s(cm) = \{Rn(120) + 23.5 - [P-20] / 400\} / 10$ for P > 20 (10) ... R _o outside radius, obtained by using $R_o = (R_s^2 + A/\pi)^{1/2}$, where A = 24.63cm ² .				TEST LOCATION:	TEST DEPTH:		
				A1	20m		
				TEST NO.:	TEST DATE:		
3	25.3.2012						
PAGE:	N - VALUE:						
	11						
RUBBER TYPE:	GROUND WATER LEVEL:	N VALUE:	SOIL TYPE:	SPECIALIST SUB-CONTRACTOR:			
MIDIUM		11	VERY FINE SAND	SURVEY2000			
PROJECT:				TEL: 8818386,01711323266			
PREPERATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL HIGHWAY NO.1 BRIDGE CONSTRUCTION AND REHABILITATION PROJECT.				Email: survey2k@yahoo.com			
CLIENT:			CONSULTANT:				
BANGLADESH ROADS & HIGHWAY Department			ORIENTAL CONSULTANTS CO. LTD				

PRESSUREMETER TEST DATA RESULTS

No.	(1) P Mpa	(2) Rn ₀ mm	(3) Rn ₃₀ mm	(4) Rn ₆₀ mm	(5) Rn ₁₂₀ mm
1	0.19	-1.750	-1.750	-1.750	-1.740
2	0.22	-1.710	-1.710	-1.700	-1.640
3	0.25	-1.600	-1.670	-1.540	-1.500
4	0.28	-1.430	-1.380	-1.370	-1.300
5	0.31	-1.270	-1.230	-1.190	-1.110
6	0.34	-0.930	-0.900	-0.830	-0.770
7	0.38	-0.630	0.580	-0.500	-0.460
8	0.41	-0.370	-0.310	-0.280	-0.250
9	0.44	-0.140	-0.058	0.000	0.060
10	0.47	0.200	0.260	0.310	0.360
11	0.50	0.440	0.490	0.530	0.600
12	0.54	0.770	0.820	0.870	0.930
13	0.58	1.120	1.180	1.220	1.300
14	0.62	1.510	1.570	1.620	1.690
15	0.66	1.930	1.990	2.020	2.080
16	0.70	2.400	2.430	2.480	2.550
17	0.75	2.810	2.900	2.960	3.020
18	0.80	3.330	3.450	3.510	3.580
19	0.85	4.000	4.060	4.100	4.160
20	0.90	4.520	4.620	4.680	4.750
21	0.95	5.170	5.290	5.340	5.400
22	1.00	5.810	5.890	5.930	6.100
23	1.08	6.880	7.050	7.160	7.250
24	1.16	7.880	8.150	8.300	8.430
25	1.25	9.470	9.820	10.030	10.180
26	1.35	11.450	11.900	12.150	12.440
27	1.45	13.800	14.500	15.050	15.410
28	1.55	16.500	17.200	18.270	18.100
29	1.60	18.270	18.270	18.270	18.270

REMARKS:

TIME TAKEN :

(2) ... P' (kg/cm²) effective pressure obtained by (1) - (3) : P' = P - RG
 (3) ... RG (kg/cm²) obtained from Rn (120) using Rg Calibration Chart.
 (8) ... Creep Index, I_c Obtained by (7) - (5); I_c = Rn (120) - Rn (30) in mm.
 (9) ... R_s inside radius obtained by the following equations:
Medium Rubber
 R_s(cm) = {Rn(120) + 23.5} / 10 for P <= 10
 R_s(cm) = {Rn(120) + 23.5-[P-10]/666} /10 for P>10
 (10) ... R_o outside radius, obtained by using R_o = (R_s² + A/π)^{1/2}, where A = 24.63cm².

TEST LOCATION:

**A1
MEGHNA**

TEST DEPTH:

20m

TEST NO.:

3

TEST DATE:

25.3.2012

PAGE:

N - VALUE:

11

RUBBER TYPE:

M

SOIL TYPE:

VERY FINE SAND

SPECIALIST SUB-CONTRACTOR:

SURVEY2000

PROJECT:

**PREPARATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL
BRIDGE CONSTRUCTION AND REHABILITATION PROJECT**

TEL: 8818386,01711323266

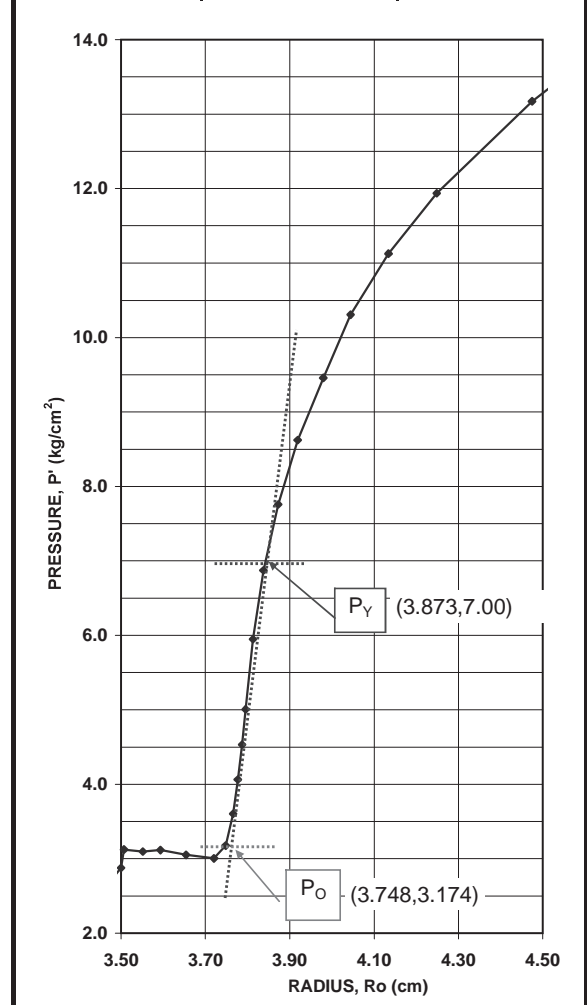
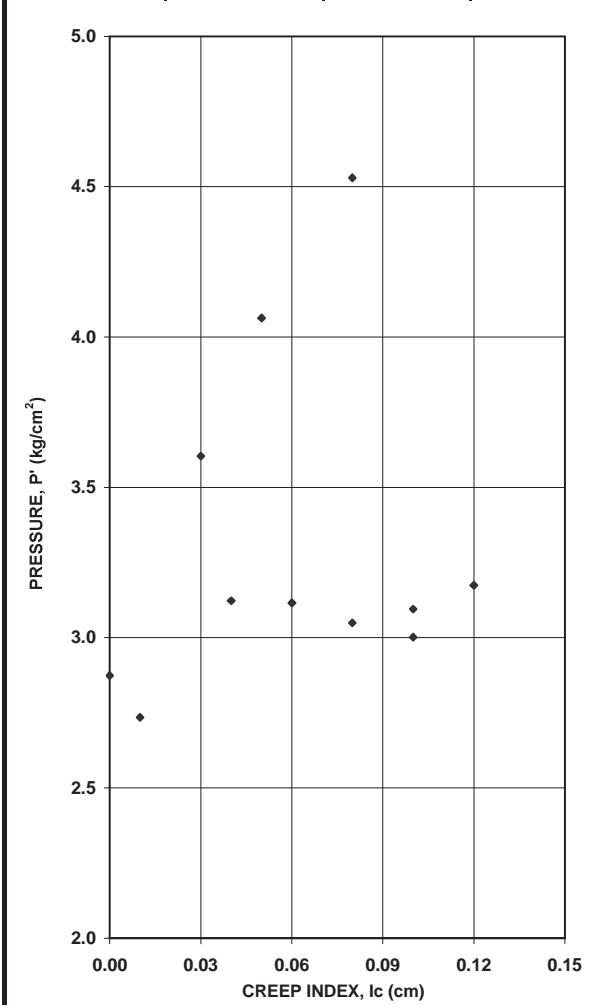
Email: survey2k@yahoo.com

CLIENT:

ORIENTAL CONSUTANS CO.LTD

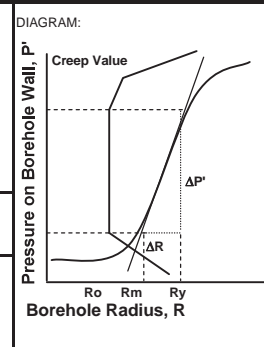
PRESSUREMETER TEST DATA RESULTS

	EARTH PRESSURE AT REST	YIELD PRESSURE	FAILURE PRESSURE	COEFFICIENT OF SOIL REACTION	MODULUS OF ELASTICITY	MEAN RADIUS OF K VALUE CALCULATION
NO. OF CYCLE	P_o (kg/cm ²)	P_y (kg/cm ²)	P_f (kg/cm ²)	K_m (kg/cm ³)	E_m (kg/cm ²)	R_m (cm)
1st	3.174	7.000	-	30.608	151.621	3.811



REMARKS:

P_o, P_o' Earth Pressure at Rest
 P_y, P_y' Yield Pressure
 $E = (1 + \nu) \cdot R_m \cdot K_m$ Modulus of Elasticity
 $\nu = 0.3$



TEST LOCATION: P-4 MEGHNA	TEST DEPTH: 10m
TEST NO.: 1	TEST DATE: 24/03/2012

RUBBER TYPE: MEDIUM	N VALUE: 18	SOIL TYPE: SANDY SILT
-------------------------------	-----------------------	---------------------------------

PROJECT:
PREPARATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL HIGHWAY NO.1 BRIDGE CONSTRUCTION AND REHABILITATION PROJECT

SPECIALIST SUB-CONTRACTOR:
SURVEY2000
 TEL: 8818386, 01711323266
 Email: survey2k@yahoo.com

CLIENT:
BANGLADESH ROADS & HIGHWAY DEPARTMENT

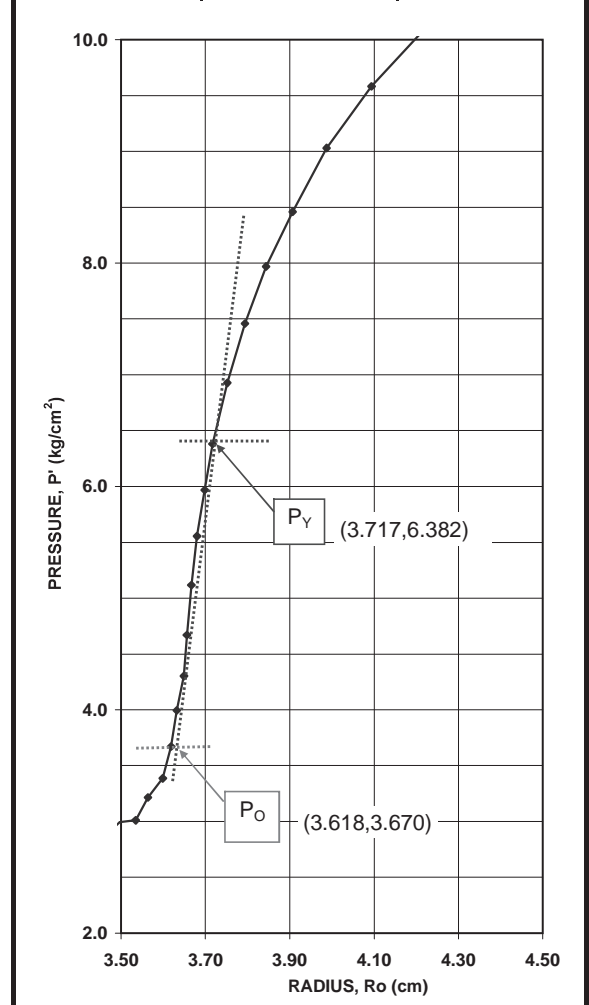
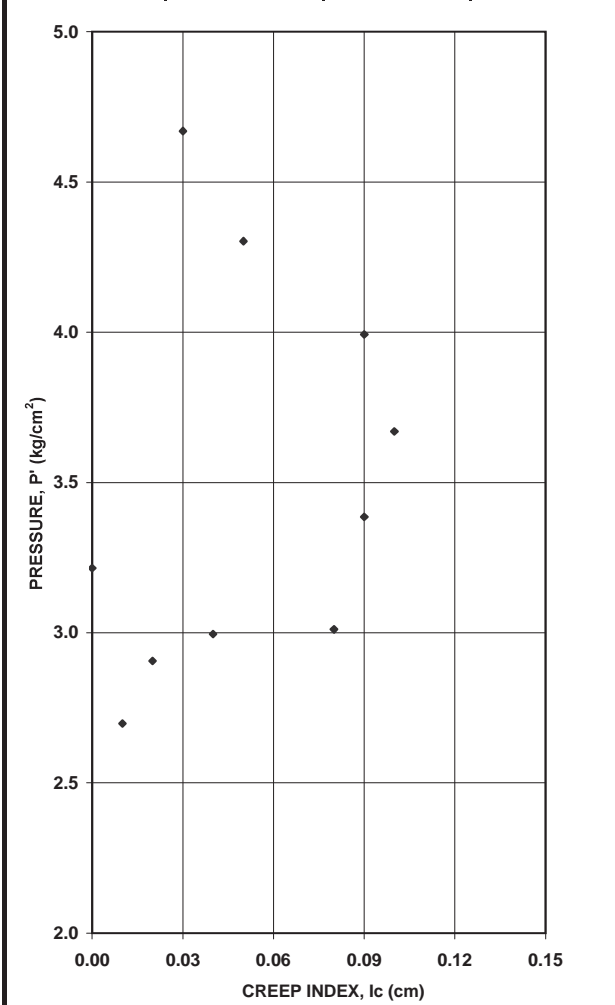
CONSULTANT:
ORIENTAL COSULTANTS CO. LTD

PRESSUREMETER TEST DATA RESULTS

No.	(1) P Mpa	(2) Rn ₀ mm	(3) Rn ₃₀ mm	(4) Rn ₆₀ mm	(5) Rn ₁₂₀ mm
1	0.24	-1.680	-1.670	-1.670	-1.670
2	0.27	-1.550	-1.500	-1.450	-1.400
3	0.30	-1.320	-1.250	-1.200	-1.170
4	0.33	-1.060	-1.020	-0.980	-0.920
5	0.36	-0.840	-0.770	-0.700	-0.630
6	0.390	-0.560	-0.500	-0.460	-0.410
7	0.42	-0.300	-0.250	-0.210	-0.190
8	0.45	-0.060	0.000	0.060	0.140
9	0.49	0.320	0.380	0.480	0.590
10	0.53	0.850	0.990	1.080	1.200
11	0.57	1.360	1.440	1.570	1.660
12	0.62	1.850	2.000	2.120	2.200
13	0.67	2.400	2.500	2.620	2.800
14	0.72	3.170	3.270	3.350	3.440
15	0.77	3.730	3.840	3.920	4.010
16	0.82	4.450	4.560	4.590	4.680
17	0.90	5.360	5.490	5.550	5.610
18	0.98	6.340	6.530	6.600	6.760
19	1.06	7.830	7.990	8.180	8.240
20	1.14	10.060	10.170	10.260	10.340
21	1.22	11.770	12.050	12.170	12.280
22	1.32	15.240	15.800	16.210	16.370
23	1.42	18.250	18.440	18.440	18.440
24					
25					
26					
REMARKS:			TIME TAKEN :		
(2) ... P' (kg/cm ²) effective pressure obtained by (1) - (3) : P' = P - RG (3) ... RG (kg/cm ²) obtained from Rn (120) using Rg Calibration Chart. (8) ... Creep Index, I _c Obtained by (7) - (5); I _c = Rn (120) - Rn (30) in mm. (9) ... R _s inside radius obtained by the following equations: Medium Rubber $R_s(\text{cm}) = \{Rn(120) + 23.5\} / 10$ for P <= 10 $R_s(\text{cm}) = \{Rn(120) + 23.5 - [P-10]/666\} / 10$ for P > 10 (10) ... R _o outside radius, obtained by using $R_o = (R_s^2 + A/\pi)^{1/2}$, where A = 24.63cm ² .			TEST LOCATION: P4 MEGHNA	TEST DEPTH: 13M	
			TEST NO.: 2	TEST DATE: 24.3.2012	
			PAGE:	N - VALUE: 24	
RUBBER TYPE: M	SOIL TYPE: FINE SAND		SPECIALIST SUB-CONTRACTOR: SURVEY2000		
PROJECT: PREPARATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL BRIDGE CONSTRUCTION AND REHABILITATION PROJECT			TEL: 8818386,01711323266 Email: survey2k@yahoo.com		
CLIENT: ORIENTAL CONSUTANTS CO.LTD					

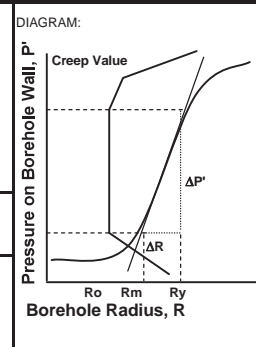
PRESSUREMETER TEST DATA RESULTS

	EARTH PRESSURE AT REST	YIELD PRESSURE	FAILURE PRESSURE	COEFFICIENT OF SOIL REACTION	MODULUS OF ELASTICITY	MEAN RADIUS OF K VALUE CALCULATION
NO. OF CYCLE	P_o (kg/cm ²)	P_y (kg/cm ²)	P_f (kg/cm ²)	K_m (kg/cm ³)	E_m (kg/cm ²)	R_m (cm)
1st	6.382	3.670	-	27.394	130.607	3.668



REMARKS:

P_o, P_o' Earth Pressure at Rest
 P_y, P_y' Yield Pressure
 $E = (1 + \nu) \cdot R_m \cdot K_m$ Modulus of Elasticity
 $\nu = 0.3$



TEST LOCATION: P4 MEGHNA	TEST DEPTH: 13M
TEST NO.: 2	TEST DATE: 24.3.2012

RUBBER TYPE: MEDIUM	N VALUE: 24	SOIL TYPE: FINE SAND
PROJECT: PREPARATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL HIGHWAY NO.1 BRIDGE CONSTRUCTION AND REHABILITATION PROJECT		

SPECIALIST SUB-CONTRACTOR:
SURVEY2000
 TEL: 8818386,01711323266
 Email: survey2k@yahoo.com

CLIENT:
BANGLADESH ROADS & HIGHWAY DEPARTMENT

CONSULTANT:
ORIENTAL COSULTANTS CO. LTD

PRESSUREMETER TEST DATA RESULTS

No.	(1) P kg/cm ²	(2) P' = P - RG kg/cm ²	(3) RG kg/cm ²	(4) Rn ₀ mm	(5) Rn ₃₀ mm	(6) Rn ₆₀ mm	(7) Rn ₁₂₀ mm	(8) Creep Index, I _c mm	(9) Rs cm	(10) Ro cm
1	3.26	3.39	-0.13	-1.44	-1.44	-1.42	-1.40	0.04	2.21	3.57
2	3.57	3.59	-0.02	-1.32	-1.25	-1.20	-1.14	0.11	2.24	3.58
3	3.87	3.82	0.06	-1.10	-1.03	-0.98	-0.95	0.08	2.26	3.59
4	4.18	4.05	0.12	-0.90	-0.84	-0.80	-0.78	0.06	2.27	3.61
5	4.49	4.27	0.22	-0.70	-0.70	-0.58	-0.55	0.15	2.30	3.62
6	4.79	4.51	0.28	-0.50	-0.45	-0.41	-0.38	0.07	2.31	3.63
7	5.10	4.74	0.35	-0.30	-0.26	-0.22	-0.19	0.07	2.33	3.64
8	5.40	5.02	0.38	-0.19	-0.15	-0.13	-0.12	0.03	2.34	3.65
9	5.71	5.30	0.41	-0.10	-0.07	-0.06	-0.05	0.02	2.35	3.65
10	6.12	5.66	0.46	0.00	0.04	0.07	0.10	0.06	2.36	3.66
11	6.63	6.12	0.51	0.14	0.17	0.19	0.23	0.06	2.37	3.67
12	7.14	6.59	0.55	0.29	0.30	0.32	0.35	0.05	2.39	3.68
13	7.65	7.04	0.61	0.48	0.49	0.52	0.51	0.02	2.40	3.69
14	8.46	7.79	0.67	0.65	0.66	0.68	0.70	0.04	2.42	3.70
15	9.28	8.51	0.76	0.89	0.91	0.95	0.98	0.07	2.45	3.72
16	10.09	9.18	0.91	1.34	1.40	1.42	1.45	0.05	2.50	3.75
17	10.91	9.80	1.11	2.00	2.05	2.08	2.12	0.07	2.56	3.80
18	11.72	10.39	1.34	2.81	2.86	2.91	2.95	0.09	2.65	3.85
19	12.54	10.88	1.65	4.00	4.26	4.28	4.30	0.04	2.78	3.95
20	13.35	11.40	1.95	5.45	5.61	5.70	5.83	0.22	2.93	4.05
21	14.27	11.96	2.31	7.84	8.16	8.20	8.31	0.15	3.18	4.24
22	15.29	12.65	2.64	10.05	10.93	11.35	11.52	0.59	3.50	4.48
23	16.31	13.39	2.92	13.28	14.40	14.62	15.10	0.70	3.86	4.77
24	17.33	14.13	3.20	17.88	18.24	18.34	18.34	0.10	4.18	5.03

REMARKS:					TIME TAKEN :					
(2) ... P' (kg/cm ²) effective pressure obtained by (1) - (3) : P' = P - RG (3) ... RG (kg/cm ²) obtained from Rn (120) using Rg Calibration Chart. (8) ... Creep Index, I _c Obtained by (7) - (5); I _c = Rn (120) - Rn (30) in mm. (9) ... R _s inside radius obtained by the following equations: <u>Medium Rubber</u> <u>Hard Rubber</u> $R_s(\text{cm}) = \{Rn(120) + 23.5\} / 10$ for $P \leq 10$ $R_s(\text{cm}) = \{Rn(120) + 23.5\} / 10$ for $P \leq 20$ $R_s(\text{cm}) = \{Rn(120) + 23.5 - [P-10]/666\} / 10$ for $P > 10$ $R_s(\text{cm}) = \{Rn(120) + 23.5 - [P-20] / 400\} / 10$ for $P > 20$					TEST LOCATION:		TEST DEPTH:			
					P4		18m			
					MEGHNA					
					TEST NO.:		TEST DATE:			
					3		24.3.2012			
					PAGE:		N - VALUE:			
							32			
RUBBER TYPE:	GROUND WATER LEVEL:	N VALUE:	SOIL TYPE:		SPECIALIST SUB-CONTRACTOR:					
MEDIUM		32	FINE SAND							
PROJECT:					SURVEY2000					
PREPERATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL HIGHWAY NO.1 BRIDGE CONSTRUCTION AND REHABILITATION PROJECT.					TEL: 8818386,01711323266					
					Email: survey2k@yahoo.com					
CLIENT:				CONSULTANT:						
BANGLADESH ROADS & HIGHWAY Department				ORIENTAL CONSULTANTS CO. LTD						

PRESSUREMETER TEST DATA RESULTS

No.	(1) P Mpa	(2) Rn ₀ mm	(3) Rn ₃₀ mm	(4) Rn ₆₀ mm	(5) Rn ₁₂₀ mm
1	0.32	-1.440	-1.440	-1.420	-1.400
2	0.35	-1.320	-1.250	-1.200	-1.140
3	0.38	-1.100	-1.030	-0.980	-0.950
4	0.41	-0.900	-0.840	-0.800	-0.780
5	0.44	-0.700	-0.700	-0.580	-0.550
6	0.47	-0.500	-0.450	-0.410	-0.380
7	0.50	-0.300	-0.260	-0.220	-0.190
8	0.53	-0.190	-0.150	-0.130	-0.120
9	0.56	-0.100	-0.070	-0.060	-0.050
10	0.60	0.000	0.040	0.070	0.100
11	0.65	0.140	0.170	0.190	0.230
12	0.70	0.290	0.300	0.320	0.350
13	0.75	0.480	0.490	0.520	0.510
14	0.83	0.650	0.660	0.680	0.700
15	0.91	0.890	0.910	0.950	0.980
16	0.99	1.340	1.400	1.420	1.450
17	1.07	2.000	2.050	2.080	2.120
18	1.15	2.810	2.860	2.910	2.950
19	1.23	4.000	4.260	4.280	4.300
20	1.31	5.450	5.610	5.700	5.830
21	1.40	7.840	8.160	8.200	8.310
22	1.50	10.050	10.930	11.350	11.520
23	1.60	13.280	14.400	14.620	15.100
24	1.70	17.880	18.240	18.340	18.340
25					
26					

REMARKS:

TIME TAKEN :

(2) ... P' (kg/cm²) effective pressure obtained by (1) - (3) : P' = P - RG
 (3) ... RG (kg/cm²) obtained from Rn (120) using Rg Calibration Chart.
 (8) ... Creep Index, I_c Obtained by (7) - (5); I_c = Rn (120) - Rn (30) in mm.
 (9) ... R_s inside radius obtained by the following equations:
Medium Rubber
 R_s(cm) = {Rn(120) + 23.5} / 10 for P <= 10
 R_s(cm) = {Rn(120) + 23.5-[P-10]/666} /10 for P>10
 (10) ... R_o outside radius, obtained by using R_o = (R_s² + A/π)^{1/2}, where A = 24.63cm².

TEST LOCATION:

**P4
MEGHNA**

TEST DEPTH:

18m

TEST NO.:

3

TEST DATE:

24.3.2012

PAGE:

N - VALUE:

32

RUBBER TYPE:

M

SOIL TYPE:

FINE SAND

SPECIALIST SUB-CONTRACTOR:

SURVEY2000

TEL: 8818386,01711323266

Email: survey2k@yahoo.com

PROJECT:

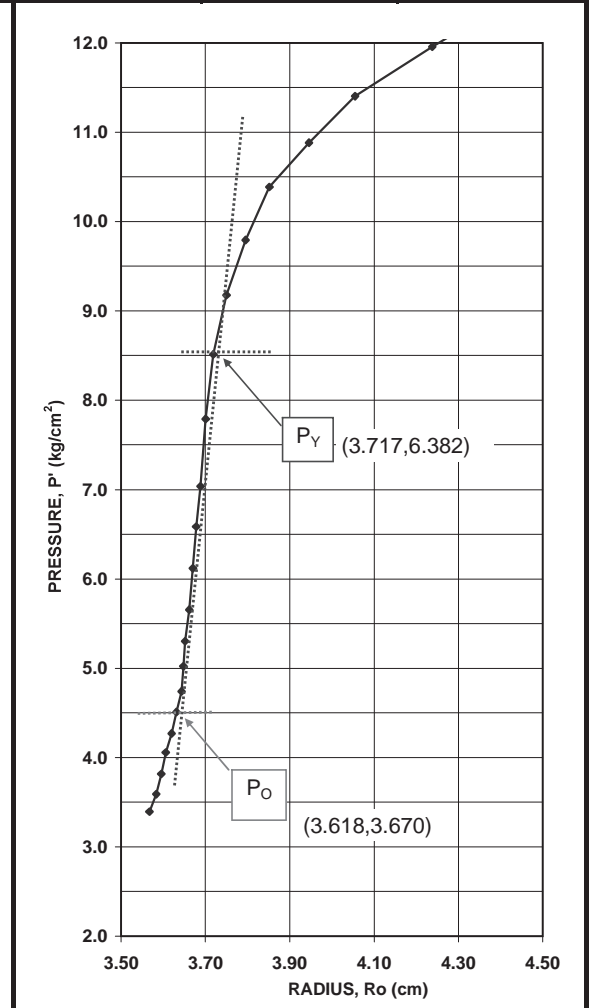
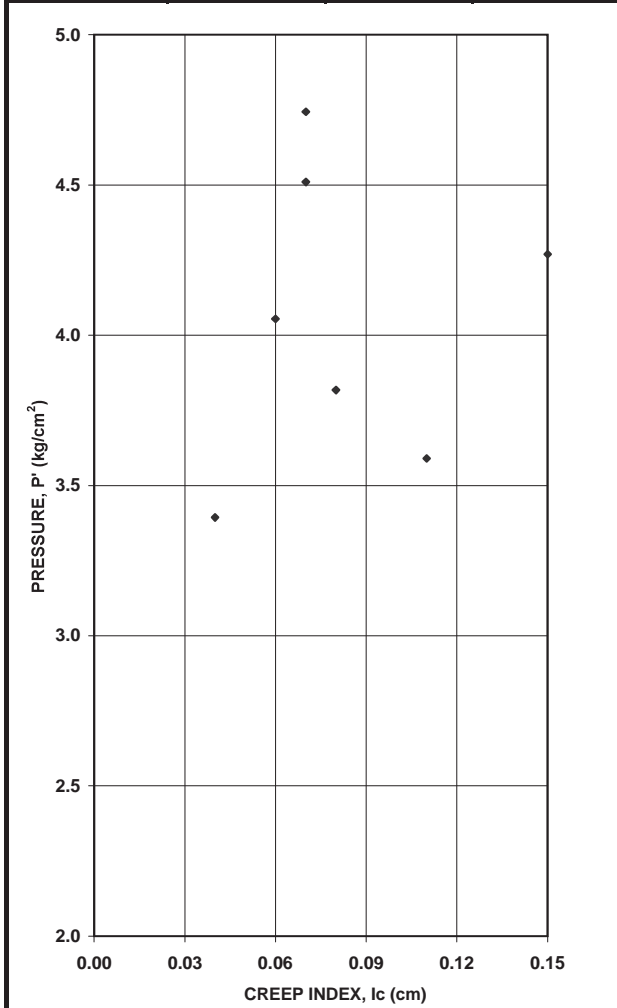
**PREPARATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL
BRIDGE CONSTRUCTION AND REHABILITATION PROJECT**

CLIENT:

ORIENTAL CONSUTANTS CO.LTD

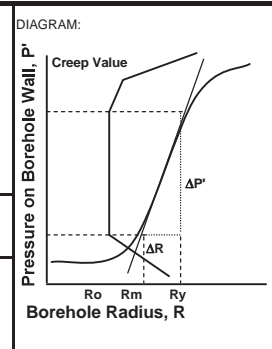
PRESSUREMETER TEST DATA RESULTS

	EARTH PRESSURE AT REST	YIELD PRESSURE	FAILURE PRESSURE	COEFFICIENT OF SOIL REACTION	MODULUS OF ELASTICITY	MEAN RADIUS OF K VALUE CALCULATION
NO. OF CYCLE	P_o (kg/cm ²)	P_y (kg/cm ²)	P_f (kg/cm ²)	K_m (kg/cm ³)	E_m (kg/cm ²)	R_m (cm)
1st	4.510	8.513	-	45.489	217.322	3.675



REMARKS: ..

P_o, P_o' Earth Pressure at Rest
 P_y, P_y' Yield Pressure
 $E = (1 + \nu) \cdot R_m \cdot K_m$ Modulus of Elasticity
 $\nu = 0.3$



TEST LOCATION: **P4 MEGHNA**
 TEST DEPTH: **18m**

TEST NO.: **3**
 TEST DATE: **24.3.2012**

RUBBER TYPE: **MEDIUM**
 N VALUE: **32**
 SOIL TYPE: **FINE SAND**

SPECIALIST SUB-CONTRACTOR:
SURVEY2000
 TEL: 8818386,01711323266
 Email: survey2k@yahoo.com

PROJECT:
PREPARATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL HIGHWAY NO.1 BRIDGE CONSTRUCTION AND REHABILITATION PROJECT

CLIENT:
BANGLADESH ROADS & HIGHWAY DEPARTMENT

CONSULTANT:
ORIENTAL COSULTANTS CO. LTD

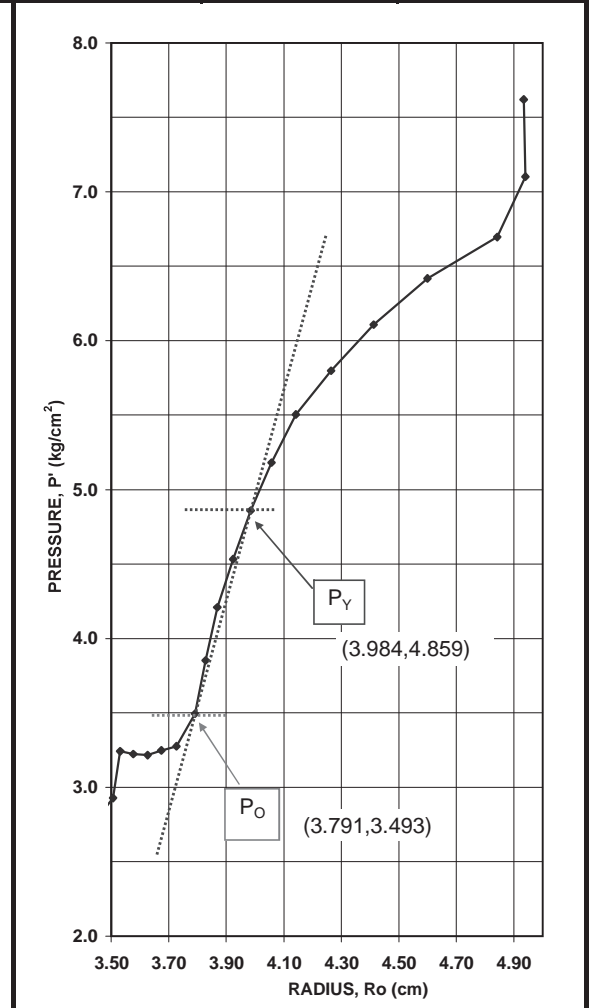
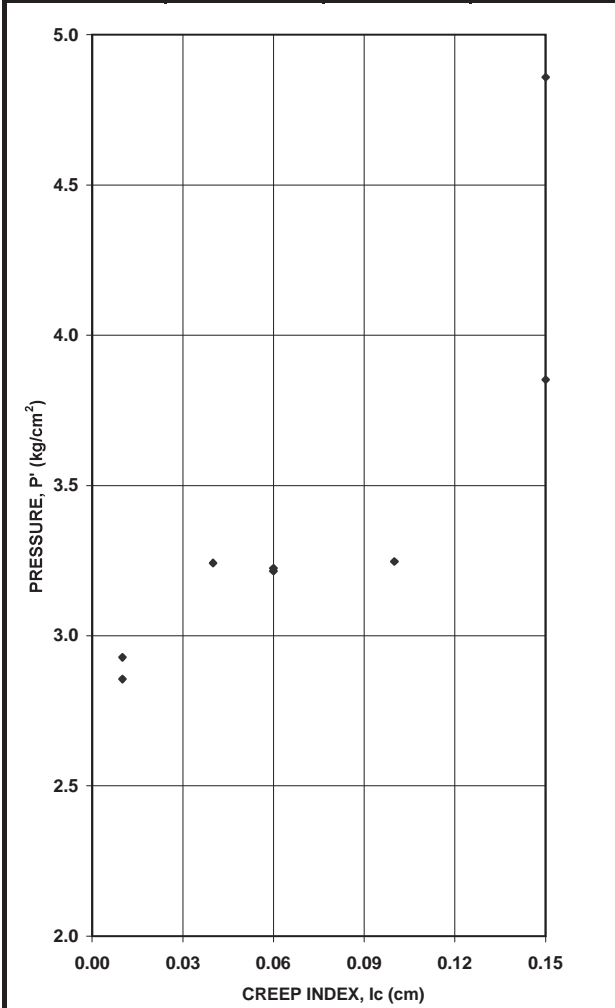
PRESSUREMETER TEST DATA RESULTS

No.	(1) P kg/cm ²	(2) P' = P - RG kg/cm ²	(3) RG kg/cm ²	(4) Rn ₀ mm	(5) Rn ₃₀ mm	(6) Rn ₆₀ mm	(7) Rn ₁₂₀ mm	(8) Creep Index, I _c mm	(9) Rs cm	(10) Ro cm
1	2.04	2.86	-0.82	-2.89	-2.89	-2.89	-2.88	0.01	2.06	3.48
2	2.34	2.93	-0.58	-2.41	-2.41	-2.41	-2.40	0.01	2.11	3.51
3	2.85	3.24	-0.39	-2.06	-2.02	-2.00	-1.98	0.04	2.15	3.53
4	3.16	3.22	-0.06	-1.34	-1.30	-1.27	-1.24	0.06	2.23	3.58
5	3.47	3.22	0.25	-0.57	-0.52	-0.50	-0.46	0.06	2.30	3.63
6	3.77	3.25	0.52	0.14	0.18	0.22	0.28	0.10	2.38	3.67
7	4.08	3.28	0.80	0.83	0.94	1.04	1.10	0.16	2.46	3.73
8	4.59	3.49	1.09	1.76	1.90	1.97	2.06	0.16	2.56	3.79
9	5.10	3.85	1.24	2.26	2.45	2.52	2.60	0.15	2.61	3.83
10	5.61	4.21	1.40	2.88	2.95	3.05	3.19	0.24	2.67	3.87
11	6.12	4.53	1.58	3.58	3.80	3.90	3.98	0.18	2.75	3.92
12	6.63	4.86	1.77	4.50	4.70	4.77	4.85	0.15	2.84	3.98
13	7.14	5.18	1.95	5.47	5.70	5.75	5.86	0.16	2.94	4.06
14	7.65	5.51	2.14	6.58	6.84	6.93	7.02	0.18	3.05	4.14
15	8.15	5.80	2.36	7.91	8.25	8.45	8.66	0.41	3.22	4.26
16	8.66	6.11	2.56	9.60	10.08	10.40	10.60	0.52	3.41	4.41
17	9.17	6.42	2.76	11.40	12.03	12.60	12.99	0.96	3.65	4.60
18	9.68	6.70	2.99	14.19	14.90	15.46	16.00	1.10	3.95	4.84
19	10.19	7.10	3.09	16.50	16.75	16.98	17.20	0.45	4.07	4.94
20	10.70	7.62	3.08	17.12	17.12	17.12	17.12	0.00	4.06	4.93
21										
22										

REMARKS:				TIME TAKEN :			
(2) ... P' (kg/cm ²) effective pressure obtained by (1) - (3) : P' = P - RG (3) ... RG (kg/cm ²) obtained from Rn (120) using Rg Calibration Chart. (8) ... Creep Index, I _c Obtained by (7) - (5); I _c = Rn (120) - Rn (30) in mm. (9) ... R _s inside radius obtained by the following equations: <u>Medium Rubber</u> <u>Hard Rubber</u> $R_s(\text{cm}) = \{Rn(120) + 23.5\} / 10$ for P <= 10 $R_s(\text{cm}) = \{Rn(120) + 23.5\} / 10$ for P <= 20 $R_s(\text{cm}) = \{Rn(120) + 23.5 \cdot [P-10]/666\} / 10$ for P > 10 $R_s(\text{cm}) = \{Rn(120) + 23.5 - [P-20] / 400\} / 10$ for P > 20 (10) ... R _o outside radius, obtained by using $R_o = (R_s^2 + A/\pi)^{1/2}$, where A = 24.63cm ² .				TEST LOCATION:	TEST DEPTH:		
				P11	10m		
				TEST NO.:	TEST DATE:		
1	25.3.2012						
PAGE:	N - VALUE:						
	13						
RUBBER TYPE:	GROUND WATER LEVEL:	N VALUE:	SOIL TYPE:	SPECIALIST SUB-CONTRACTOR:			
MEDIUM		13	FINE SAND	SURVEY2000 TEL: 8818386,01711323266 Email: survey2k@yahoo.com			
PROJECT:							
PREPERATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL HIGHWAY NO.1 BRIDGE CONSTRUCTION AND REHABILITATION PROJECT.							
CLIENT:			CONSULTANT:				
BANGLADESH ROADS & HIGHWAY Department			ORIENTAL CONSULTANTS CO. LTD				

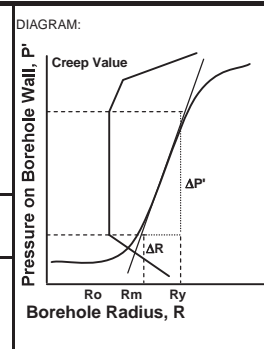
PRESSUREMETER TEST DATA RESULTS

	EARTH PRESSURE AT REST	YIELD PRESSURE	FAILURE PRESSURE	COEFFICIENT OF SOIL REACTION	MODULUS OF ELASTICITY	MEAN RADIUS OF K VALUE CALCULATION
NO. OF CYCLE	P_o (kg/cm ²)	P_y (kg/cm ²)	P_f (kg/cm ²)	K_m (kg/cm ³)	E_m (kg/cm ²)	R_m (cm)
1st	3.493	4.859	-	7.078	35.769	3.888



REMARKS:

P_o, P_o' Earth Pressure at Rest
 P_y, P_y' Yield Pressure
 $E = (1 + \nu) \cdot R_m \cdot K_m$ Modulus of Elasticity
 $\nu = 0.3$



TEST LOCATION: P11 MEGHNA	TEST DEPTH: 10m
TEST NO.: 1	TEST DATE: 25.3.2012

RUBBER TYPE: MEDIUM	N VALUE: 13	SOIL TYPE: SANDY SILT
-------------------------------	-----------------------	---------------------------------

PROJECT:
PREPARATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL HIGHWAY NO.1 BRIDGE CONSTRUCTION AND REHABILITATION PROJECT

SPECIALIST SUB-CONTRACTOR:
SURVEY2000
 TEL: 8818386,01711323266
 Email: survey2k@yahoo.com

CLIENT:
BANGLADESH ROADS & HIGHWAY DEPARTMENT

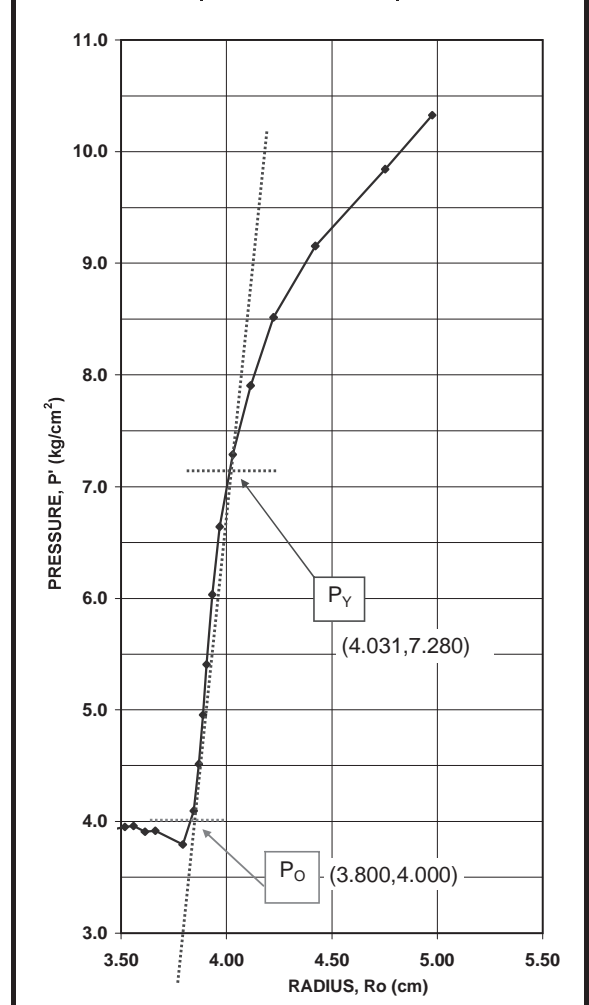
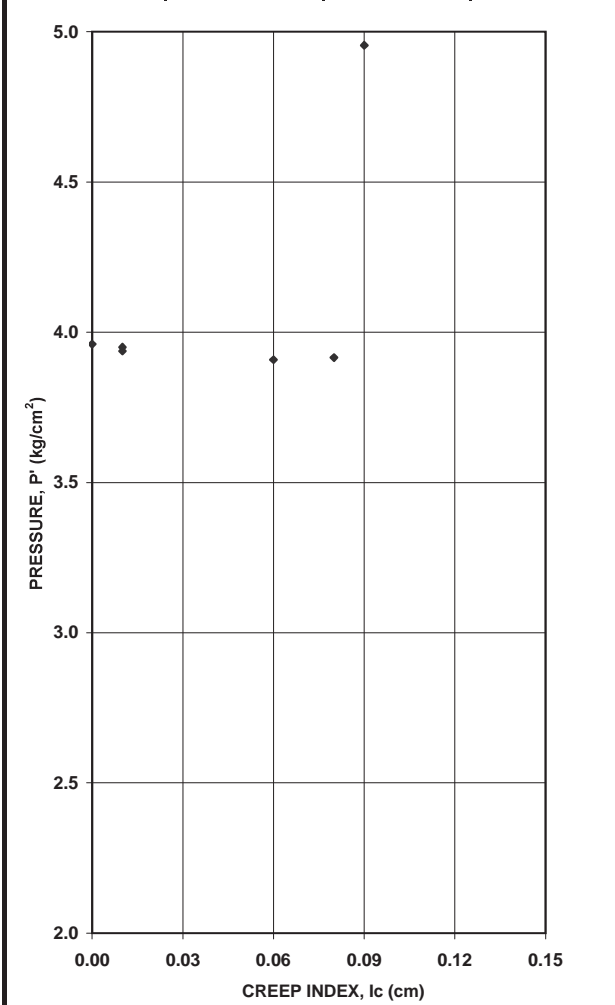
CONSULTANT:
ORIENTAL COSULTANTS CO. LTD

PRESSUREMETER TEST DATA RESULTS

No.	(1) P Mpa	(2) Rn ₀ mm	(3) Rn ₃₀ mm	(4) Rn ₆₀ mm	(5) Rn ₁₂₀ mm
1	0.31	-2.810	-2.810	-2.810	-2.800
2	0.34	-2.280	-2.200	-2.200	-2.190
3	0.37	-1.610	-1.530	-1.530	-1.530
4	0.40	-0.760	-0.730	-0.710	-0.670
5	0.43	-0.090	0.040	0.080	0.120
6	0.48	1.350	1.790	1.930	2.070
7	0.53	2.410	2.620	2.710	2.840
8	0.58	2.950	3.040	3.110	3.200
9	0.63	3.330	3.390	3.440	3.480
10	0.68	3.600	3.650	3.680	3.720
11	0.75	4.000	4.050	4.100	4.110
12	0.82	4.470	4.530	4.570	4.610
13	0.90	5.170	5.350	5.390	5.480
14	0.98	6.330	6.500	6.550	6.650
15	1.06	7.430	7.840	7.990	8.120
16	1.15	9.700	10.360	10.590	10.720
17	1.25	13.400	13.650	14.200	14.900
18	1.32	17.170	17.550	17.630	17.630
19					
20					
21					
22					
23					
24					
25					
26					
REMARKS:				TIME TAKEN :	
(2) ... P' (kg/cm ²) effective pressure obtained by (1) - (3) : P' = P - RG (3) ... RG (kg/cm ²) obtained from Rn (120) using Rg Calibration Chart. (8) ... Creep Index, I _c Obtained by (7) - (5); I _c = Rn (120) - Rn (30) in mm. (9) ... R _s inside radius obtained by the following equations: <u>Medium Rubber</u> R _s (cm) = {Rn(120) + 23.5} / 10 for P <= 10 R _s (cm) = {Rn(120) + 23.5-[P-10]/666} /10 for P>10 (10) ... R _o outside radius, obtained by using R _o = (R _s ² + A/π) ^{1/2} , where A = 24.63cm ² .				TEST LOCATION:	TEST DEPTH:
				P11 MEGHNA	15m
				TEST NO.:	TEST DATE:
				2	23.3.2012
PAGE:	N - VALUE:				
	26				
RUBBER TYPE: M	SOIL TYPE: SILTY FINE SAND	SPECIALIST SUB-CONTRACTOR:			
PROJECT: PREPARATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL BRIDGE CONSTRUCTION AND REHABILITATION PROJECT		SURVEY2000 TEL: 8818386,01711323266 Email: survey2k@yahoo.com			
CLIENT: ORIENTAL CONSUTANTS CO.LTD					

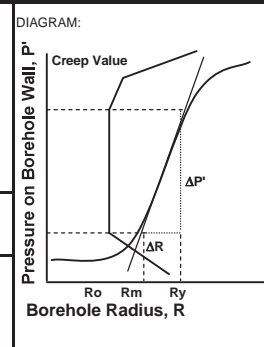
PRESSUREMETER TEST DATA RESULTS

	EARTH PRESSURE AT REST	YIELD PRESSURE	FAILURE PRESSURE	COEFFICIENT OF SOIL REACTION	MODULUS OF ELASTICITY	MEAN RADIUS OF K VALUE CALCULATION
NO. OF CYCLE	P_o (kg/cm ²)	P_y (kg/cm ²)	P_f (kg/cm ²)	K_m (kg/cm ³)	E_m (kg/cm ²)	R_m (cm)
1st	4.000	7.280	-	14.199	72.276	3.916



REMARKS:

P_o, P_o' Earth Pressure at Rest
 P_y, P_y' Yield Pressure
 $E = (1 + \nu) \cdot R_m \cdot K_m$ Modulus of Elasticity
 $\nu = 0.3$



TEST LOCATION: P11 MEGHNA	TEST DEPTH: 15m
TEST NO.: 2	TEST DATE: 23.3.2012

RUBBER TYPE: MEDIUM	N VALUE: 26	SOIL TYPE: SILTY FINE SAND
PROJECT: PREPARATORY SURVEY FOR DHAKA-CHITTAGONG NATIONAL HIGHWAY NO.1 BRIDGE CONSTRUCTION AND REHABILITATION PROJECT		

SPECIALIST SUB-CONTRACTOR:
SURVEY2000
 TEL: 8818386,01711323266
 Email: survey2k@yahoo.com

CLIENT:
BANGLADESH ROADS & HIGHWAY DEPARTMENT

CONSULTANT:
ORIENTAL COSULTANTS CO. LTD