

Summary of Test Results (page 1 of 2)

BH-2															Land mark		
Sample No.	Depth (m)	W _n (%)	Atterberg Limits			Sieve Analysis						USCS Group ^a	Soil Strength		Unit ^d Weight (kN/m ³)	SPT-N ^e (Blows/ 300 mm)	
			%			% Passing (US Standard Sieve)							P _{uc} ^b	S _{uc} ^c			
			LL	PL	PI	1"	3/4"	1/2"	3/8"	#4	#10						#40
ST- 1	1.50	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST- 2	3.00	3.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST- 3	4.50	5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST- 4	6.00	6.50	40.6	44.8	25.9	18.9	-	-	-	-	-	-	-	-	-	-	-
ST- 5	7.50	8.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST- 6	9.00	9.50	35.4	31.7	21.8	9.9	-	-	-	-	-	-	-	-	-	-	-
SS- 1	9.50	9.95	35.9	Non Plastic			-	-	-	-	-	-	-	-	-	-	17
SS- 2	10.50	10.95	35.8	Non Plastic			-	-	-	-	-	-	-	-	-	-	25
SS- 3	12.00	12.45	26.1	Non Plastic			-	-	-	-	-	-	-	-	-	-	17
SS- 4	13.50	13.95	26.0	Non Plastic			-	-	-	-	-	-	-	-	-	-	23
SS- 5	15.00	15.45	30.3	Non Plastic			-	-	-	-	-	-	-	-	-	-	13
SS- 6	16.50	16.95	27.9	Insufficient Sample			-	-	-	-	-	-	-	-	-	-	15
SS- 7	18.00	18.45	28.1	-			-	-	-	-	-	-	-	-	-	-	30
SS- 8	19.50	19.95	25.8	38.5	21.1	17.4	-	-	-	-	-	-	-	-	-	-	16
SS- 9	21.00	21.45	18.1	-			-	-	-	-	-	-	-	-	-	-	41
SS- 10	22.50	22.95	18.1	40.7	23.1	17.6	-	-	-	-	-	-	-	-	-	-	38
SS- 11	24.00	20.45	17.4	Non Plastic			-	-	-	-	-	-	-	-	-	-	54
SS- 12	25.50	25.95	15.6	Non Plastic			-	-	-	-	-	-	-	-	-	-	59
SS- 13	27.00	27.45	21.6	Non Plastic			-	-	-	-	-	-	-	-	-	-	53
SS- 14	28.50	28.95	23.0	Non Plastic			-	-	-	-	-	-	-	-	-	-	65
SS- 15	30.00	30.45	21.0	Non Plastic			-	-	-	-	-	-	-	-	-	-	25,50/75, -
SS- 16	31.50	31.95	22.6	Non Plastic			-	-	-	-	-	-	-	-	-	-	35,50/150, -
SS- 17	33.00	33.45	19.1	Non Plastic			-	-	-	-	-	-	-	-	-	-	40,50/150, -
SS- 18	34.50	34.95	18.6	Non Plastic			-	-	-	-	-	-	-	-	-	-	30,50/100, -
SS- 19	36.00	36.45	12.2	Non Plastic			-	-	-	-	-	-	-	-	-	-	50/100, - , -
SS- 20	37.50	37.95	20.1	Non Plastic			-	-	-	-	-	-	-	-	-	-	54
SS- 21	39.00	39.45	17.7	Non Plastic			-	-	-	-	-	-	-	-	-	-	27,50/125, -

Notes:

^a USCS groups provided in parenthesis are from visual classification

^b P_{uc} = Pocket Penetrometer Resistance

^c S_{uc} = q_u/2; where q_u is Unconfined Compressive Strength from Unconfined Compression Test

^d Unit Weight provided for split spoon samples (SS) are for disturbed samples from SPT tests.

^e If the sampler is driven less than 450 mm, the number of blows per each complete and partial (less than or equal to 150 mm) increments were recorded

Summary of Test Results (page 2 of 2)

Land mark

BH-2

Sample No.	Depth (m)	W _n (%)	Atterberg Limits			Sieve Analysis								USCS Group ^a	Soil Strength		Unit Weight (kN/m ³)	SPT-N ^e (Blows/ 300 mm)
			Atterberg Limits			% Passing (US Standard Sieve)									P _{uc} ^b	Torvane		
			LL	PL	PI	1"	3/4"	1/2"	3/8"	#4	#10	#40	#100					
SS- 22	40.50	40.95	10.2	Non Plastic			100	90	82	60	23	11	8	SP-SM	-	-	50/100, -, -	
SS- 23	42.00	42.45	16.5	Insufficient Sample						100	99	87	67	(CL)	-	-	77	
SS- 24	43.50	43.95	19.1	Non Plastic						100	96	31	24	SM	-	-	67	
SS- 25	45.00	45.45	20.9	Non Plastic					100	99	94	26	20	SM	-	-	68	
SS- 26	46.50	46.95	17.9	Non Plastic						100	85	26	18	SM	-	-	69	
SS- 27	48.00	48.45	19.2	Non Plastic						100	75	18	14	SM	-	-	65	
SS- 28	49.50	49.95	13.7	Non Plastic					100	98	46	20	15	SM	-	-	50	
SS- 29	51.00	51.45	16.5	Non Plastic					100	99	40	14	9	SP-SM	-	-	52	
SS- 30	52.50	52.95	13.6	Non Plastic					100	87	27	13	8	SP-SM	-	-	57	
SS- 31	54.00	54.45	22.6	37.6	23.2	14.4					100	96	93	CL	-	-	70	
SS- 32	55.50	55.95	23.1	-	-	-							-	(CL)	-	-	40,45,15/75	
SS- 33	57.00	57.45	27.5	49.2	25.4	23.8				100	99	96	94	CL	20.0	-	40,50/125, -	
SS- 34	58.50	58.95	26.1	-	-	-							-	(CH)	19.4	58		
SS- 35	60.00	60.40	23.2	50.7	24.5	26.2				100	98	97	96	CH	19.8	60		

Notes:

^a USCS groups provided in parenthesis are from visual classification^b P_{uc} = Pocket Penetrometer Resistance^c S_{uc} = q_u/2, where q_u is Unconfined Compressive Strength from Unconfined Compression Test^d Unit Weight provided for split spoon samples (SS) are for disturbed samples from SPT tests.^e If the sampler is driven less than 450 mm, the number of blows per each complete and partial (less than or equal to 150 mm) increments were recorded.

Borehole Number : BH-2

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Project : โครงการสำรวจออกแบบและจัดทำแผนแม่บทเพื่อพัฒนาริมฝั่งแม่น้ำเจ้าพระยา

Site Location : บริเวณที่ก่อสร้างรถไฟฟ้าสายสีน้ำเงิน (ฝั่งธนบุรี)

Latitude (N) : 13.80543

Ground Elevation (m) :

Longitude (E) : 100.51604

G.W.L (m) : 1.50

Date Started : 9/6/2559

Total Depth (m) : 60.45

Date Finished : 11/6/2559

Depth	SAMPLE			SUBSURFACE PROFILE		Atterberg Limits (%) 20 40 60 80 100	Unit Weight 5 15	Suc (kN/m^2) ▲ 20 40 60 80 ▲	
	Symbol	Type	Number	Description	Symbol			SPT-N □(Blows/300mm)□ 20 40 60 80	
0				Ground Surface	0.00				
1				Fill Material (No Recovery)					
2	■	ST	1						
3	■	ST	2						
4	■	ST	3						
5	■	ST	4						
6	■	ST	5	Very soft to soft silty CLAY, grey, low plasticity (CL)	5.50	— —	•		
7	■	ST	6						
8	■	ST	7						
9	■	ST	8						
10	■	SS	1	Medium dense silty SAND, grey, very fine to fine grained (SM)	9.00	— □ □ □	•	17 □ 25 □	
11	■	SS	2			□		17 □	
12	■	SS	3			□		23 □	
13	■	SS	4			□		13 □	
14	■	SS	5			□		15 □	
15	■	SS	6	Very stiff silty CLAY, grey and light brown, low plasticity (CL)	16.00	□		30 □	
16	■	SS	7			□		16 □	
17	■	SS	8			— —			
18	■	SS	9	Hard silty CLAY, brownish grey, low plasticity (CL)	20.50	□		41 □	
19	■	SS	10			— —	•	38 □	
20	■	SS	11	Very dense silty SAND, grey and brown, fine to medium grained (SM, SP-SM)	23.50	□		54 □	
21	■	SS	12			□		59 □	
22	■	SS	13			□		53 □	
23	■	SS	14			□		65 □	
24	■	SS	15			□			50/75 □
25	■	SS	16						
26	■	SS	17						
27	■	SS	18						
28	■	SS	19						
29	■	SS	20						
30	■	SS	21						
31	■	SS	22						
Thin wall tube Split spoon Rock core Wash Auger				PL Wn LL Atterberg Limits : — —□— — Suc : Undrained shear strength from UC test					

Borehole Number : BH-2

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Project : โครงการสำรวจออกแบบและจัดทำแผนแม่บทเพื่อพัฒนาริมฝั่งแม่น้ำเจ้าพระยา

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Depth	SAMPLE			SUBSURFACE PROFILE		Atterberg Limits (%) 20 40 60 80 100	Unit Weight 5 15	Suc (kN/m^2) ▲ 20 40 60 80 ▲			
	Symbol	Type	Number	Description	Symbol			SPT-N □(Blows/300mm)□ 20 40 60 80			
32	SS	16	Very dense silty SAND, grey and brown, fine to medium grained (SM, SP-SM)		□						50/150
33	SS	17			□						50/150
34	SS	18			□						50/100
35	SS	19			□						50/100
36	SS	20			□						50/100
37	SS	21			□						50/100
38	SS	22			□						50/100
39	SS	23			□						50/100
40	SS	24			□						50/100
41	SS	25			□						50/100
42	SS	23	Hard silty/sandy CLAY, grey, low plasticity (CL)	41.50	□						77
43	SS	24	Very dense silty SAND, grey and brown, fine to medium grained (SM, SP-SM)		43.00	□					67
44	SS	25			□						68
45	SS	26			□						69
46	SS	27			□						69
47	SS	28			□						65
48	SS	29			□						50
49	SS	30			□						52
50	SS	31			□						57
51	SS	32			□						70
52	SS	33			□						60/225
53	SS	31	Hard silty CLAY, dark grey, low to high plasticity (CL, CH)	53.50	□						50/125
54	SS	32			□						
55	SS	33			□						
56	SS	34			□						
57	SS	35			□						
58	SS	36			□						
59	SS	37			□						58
60	SS	38			□						60
61			End of Borehole	60.45							
62											

Thin wall tube

Split spoon

Rock core

Wash

Auger

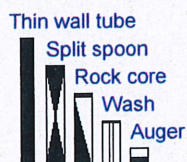
Atterberg Limits :

PL

Wn

LL

Suc : Undrained shear strength from UC test



Atterberg Limits : PL Wn LL

Suc : Undrained shear strength from UC test

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