

Summary of Test Results (page 1 of 2)

BH-9															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)		
			LL	PL	PI	1"	3/4"	1/2"	3/8"	#4		#10	#40			#100	#200
ST- 1	1.50	2.00													-	-	
ST- 2	3.00	3.50													-	-	
ST- 3	4.50	5.00													-	-	
ST- 4	6.00	6.50													-	-	
ST- 5	7.50	8.00													-	-	
ST- 6	9.00	9.50													-	-	
ST- 7	10.50	11.00	80.6	29.2	47.0						100	99	97		15.9	-	
ST- 8	12.00	12.50	68.1	29.1	39.7						100	99	99		16.8	-	
ST- 9	13.50	14.00	57.8	31.0	36.5						100	99	99		17.5	-	
SS- 1	14.00	14.45	28.5												-	20	
SS- 2	15.50	15.50	27.9	22.8	35.4					100	98	95	94		-	21	
SS- 3	16.50	16.95	22.3												-	34	
SS- 4	18.00	18.45	23.6	19.7	20.1					100	99	95	88		20.6	36	
SS- 5	19.50	19.95	27.3												-	32	
SS- 6	21.00	21.45	25.1	20.9	21.2					100	99	96	93		19.5	32	
SS- 7	22.50	22.95	20.0	Non Plastic						100	89	17	13		-	50/50, -, -	
SS- 8	24.00	24.45	20.5	Non Plastic						100	92	21	17		-	30, 42, 28/25	
SS- 9	25.50	25.95	21.7	18.4	25.3					100	98	96	93		-	32	
SS- 10	27.00	27.45	19.3												21.3	53	
SS- 11	28.50	28.95	19.9	20.3	16.1						100	97			21.4	62	
SS- 12	30.00	30.45	19.6	Non Plastic						100	87	30	21		-	38, 50/50, -	
SS- 13	31.50	31.95	21.8	Non Plastic						100	91	41	30		-	50/50, -, -	
SS- 14	33.00	33.45	21.0	Non Plastic						100	99	79	14	9	-	50/125, -, -	
SS- 15	34.50	34.95	16.6	Non Plastic						100	99	79	19	13	-	50/100, -, -	
SS- 16	36.00	36.45	17.0	Non Plastic						100	98	55	12	8	-	41, 50/50, -	
SS- 17	37.50	37.95	11.9	Non Plastic					100	97	91	65	23	18	-	50/150, -, -	
SS- 18	39.00	39.45	12.0	Non Plastic				100	95	86	71	27	11	8	-	62	

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-9

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)	
			Atterberg Limits (%)			% Passing (US Standard Sieve)									P _{uc} ^b	Torvane			S _{uc} ^c
			LL	PL	PI	1"	3/4"	1/2"	3/8"	#4	#10	#40	#100						
SS- 19	40.50	40.95	8.5	Non Plastic			100	97	94	79	38	22	16	SM		-	50/125, -, -		
SS- 20	42.00	42.45	18.4	Non Plastic					100	94	48	9	6	SP-SM		-	40,50/75, -		
SS- 21	43.50	43.95	14.0	Non Plastic					100	92	44	15	10	SP-SM		-	50/150, -, -		
SS- 22	45.00	45.45	17.1	38.8	17.0	21.8				100	98	96	91	CL		-	55		
SS- 23	46.50	46.95	19.3											(CL)		21.1	52		
SS- 24	48.00	48.45	17.5	39.1	16.1	23.0						100	97	CL		21.4	67		
SS- 25	49.50	49.95	18.3											(CL)		-	25		
SS- 26	51.00	51.45	19.2	34.5	17.6	16.9			100	95	90	88	86	CL		20.5	57		
SS- 27	52.50	52.95	25.4											(CL)		-	59		
SS- 28	54.00	54.45	24.7	46.7	21.4	25.3				100	97	96	96	CL		-	55		
SS- 29	55.50	55.95	21.9											(CL)		19.2	47		
SS- 30	57.00	57.45	30.0	46.7	19.4	24.0			100	98	96	96	95	CL		-	50/150, -, -		
SS- 31	58.50	58.95	10.8	Non Plastic					100	97	51	40	34	SM		-	30,50/50, -		
SS- 32	60.00	60.45	8.2	Non Plastic					100	93	41	22	17	SM		-	50/50, -, -		

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.

Page 1 of 2

Date Finished : 10/5/2559



Borehole Number : BH-9

Page 2 of 2

Project : โครงการสำรวจออกแบบและจัดทำแผนแม่บทเพื่อพัฒนาริมฝั่งแม่น้ำเจ้าพระยา

Site Location : วัดสร้อยทอง

Latitude (N) : 13.81246

Ground Elevation (m) :

Longitude (E) : 100.51756

G.W.L (m) : 3.70

Date Started : 6/5/2559

Total Depth (m) : 60.45

Date Finished : 10/5/2559

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					
32	SS	13	Very dense silty/clayey SAND, grey and brown, fine to medium grained (SM, SP-SM, SC, SW-SC)		□				50/50				
33	SS	14			□				50/50				
34	SS	15			□				50/100				
35	SS	16			□				50/50				
36	SS	17			□				50/150				
37	SS	18			□				62				
38	SS	19			□				50/125				
39	SS	20			□				50/75				
40	SS	21			□				50/150				
41	SS	22			Hard silty CLAY, grey, low plasticity (CL)		□				55		
42	SS	23	□						52				
43	SS	24	□						67				
44	SS	25	Very stiff silty CLAY, grey and brown, low plasticity (CL)				□				25		
45	SS	26					□				57		
46	SS	27					□				59		
47	SS	28					□				55		
48	SS	29					□				47		
49	SS	30					Very dense silty SAND, brown, fine to medium grained (SM)		□				50/150
50	SS	31							□				50/50
51	SS	32			□						50/50		
52	SS				End of Borehole								
53	SS												
54	SS												
55	SS												
56	SS												
57	SS												
58	SS												
59	SS												
60	SS												
61	SS												
62	SS												

Thin wall tube

Split spoon

Rock core

Wash

Auger

Atterberg Limits :

PL

Wn

LL

Suc : Undrained shear strength from UC test

Thin wall tube
Split spoon
Rock core
Wash
Auger

Atterberg Limits : PL Wn LL

Suc : Undrained shear strength from UC test

CH