

Summary of Test Results (page 1 of 2)

Sample No.	Depth (m)		W _n (%)	Atterberg Limits (%)			Sieve Analysis					USCS Group ^a	Soil Strength (kN/m ²)			Unit ^d Weight (kN/m ³)	SPT-N ^e (Blows/300 mm)	Land mark		
	From	To		LL	PL	PI	1/2"	3/8"	#4	#10	#40		#100	#200	P _{uc} ^b				Torvane	S _{uc} ^c
						% Passing (US Standard Sieve)														
ST-1	1.50	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ST-2	3.00	3.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ST-3	4.50	5.00	48.4	47.9	24.2	23.7	-	-	-	100	99	94	84	0.0	15.0	15.9	16.3	-		
ST-4	6.00	6.50	48.0	45.7	23.5	22.2	-	-	-	100	99	98	95	0.0	15.0	19.2	15.7	-		
ST-5	7.50	8.00	61.4	65.5	22.2	43.3	-	-	-	100	99	100	99	0.0	15.0	20.6	15.4	-		
ST-6	9.00	9.50	58.9	70.9	29.5	41.4	-	-	-	100	99	100	99	0.0	25.0	25.8	17.5	-		
ST-7	10.50	11.00	49.5	57.4	24.0	33.4	-	-	-	100	98	100	98	0.0	25.0	26.9	15.8	-		
SS-1	11.00	10.95	-	-	-	-	-	-	-	No Recovery	-	-	-	-	-	-	-	5		
SS-2	12.50	12.45	-	-	-	-	-	-	-	No Recovery	-	-	-	-	-	-	-	3		
SS-3	13.50	13.95	46.5	42.5	20.2	22.3	-	-	-	100	99	96	94	-	-	-	-	4		
SS-4	15.00	15.45	40.1	62.0	21.7	40.3	-	-	-	100	95	91	91	-	-	-	-	21		
SS-5	16.50	16.95	35.7	-	-	-	-	-	-	100	98	-	-	-	-	-	-	21		
SS-6	18.00	18.45	17.6	42.4	18.6	23.8	-	-	-	100	98	98	95	-	-	-	-	23		
SS-7	19.50	19.95	-	-	-	-	-	-	-	No Recovery	-	-	-	-	-	-	-	54		
SS-8	21.00	21.45	20.9	-	-	-	-	-	-	100	97	81	38	-	-	-	-	50/50, -, -		
SS-9	22.50	22.95	-	-	-	-	-	-	-	No Recovery	-	-	-	-	-	-	-	35		
SS-10	24.00	20.45	26.2	-	-	-	-	-	-	100	99	76	11	-	-	-	-	50/125, -, -		
SS-11	25.50	25.95	14.7	-	-	-	-	-	-	100	89	43	27	-	-	-	-	53		
SS-12	27.00	27.45	13.3	-	-	-	-	-	-	100	90	40	20	-	-	-	-	58		
SS-13	28.50	28.95	13.7	-	-	-	-	-	-	100	87	37	20	-	-	-	-	48		
SS-14	30.00	30.45	13.9	-	-	-	-	-	-	100	99	86	37	-	-	-	-	51		
SS-15	31.50	31.95	17.4	-	-	-	-	-	-	100	97	56	20	-	-	-	-	64		
SS-16	33.00	33.45	14.0	-	-	-	-	-	-	100	97	61	27	-	-	-	-	67		
SS-17	34.50	34.95	18.9	-	-	-	-	-	-	100	96	73	18	-	-	-	-	50/75, -, -		
SS-18	36.00	36.45	17.1	-	-	-	-	-	-	100	96	69	18	-	-	-	-	50/125, -, -		
SS-19	37.50	37.95	22.0	-	-	-	-	-	-	100	99	93	48	-	-	-	-	40		
SS-20	39.00	39.45	24.5	-	-	-	-	-	-	100	88	35	28	-	-	-	-	44		

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-5

Sample No.	Depth (m)		W _n (%)	Atterberg Limits (%)			Sieve Analysis					USCS Group ^a	Soil Strength (kN/m ²)		Unit ^d Weight (kN/m ³)	SPT-N ^e (Blows/300 mm)
	From	To		LL	PL	PI	1/2" #4	3/8" #10	#40	#100	#200		P _{uc} ^b	S _{uc} ^c		
SS- 21	40.50	40.95	25.6	49.7	20.6	29.1	100	98	97	96	CL		20.5	64		
SS- 22	42.00	42.45	21.3	-	-	-	100	97	95	-	(CL)		19.8	72		
SS- 23	43.50	43.95	19.2	46.0	18.0	28.0	100	97	95	95	CL		20.9	73		
SS- 24	45.00	45.45	18.5	-	-	-	100	99	97	94	(CL)		-	68		
SS- 25	46.50	46.95	18.6	45.6	20.0	25.6	100	99	97	95	CL		-	80		
SS- 26	48.00	48.45	24.2	-	-	-	100	99	96	94	(CL)		20.5	65		
SS- 27	49.50	49.95	19.9	48.7	20.5	28.2	100	99	96	92	CL		-	80		
SS- 28	51.00	51.45	17.7	-	-	-	100	99	95	84	(CL)		20.8	67		
SS- 29	52.50	52.95	17.9	37.2	19.1	18.1	100	98	48	20	CL		-	45,50/100,-		
SS- 30	54.00	54.45	17.5	Non Plastic			100	98	70	23	17	SM		-	50/75,-,-	
SS- 31	55.50	55.95	15.1	Non Plastic			100	98	70	23	16	SM		-	50/50,-,-	
SS- 32	57.00	57.45	15.5	Non Plastic			100	97	57	21	17	SM		-	50/100,-,-	
SS- 33	58.50	58.95	19.1	Non Plastic			100	97	43	16	12	SP-SM		-	50/125,-,-	
SS- 34	60.00	60.40	18.6	Non Plastic			100	97	46	17	12	SP-SM		-	-	

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-5

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Project : โครงการสำรวจออกแบบและจัดทำแผนแม่บทเพื่อพัฒนาริมฝั่งแม่น้ำเจ้าพระยา

Site Location : วัดอาวุธ

Latitude (N) : 13.78503

Ground Elevation (m) :

Longitude (E) : 100.50200

G.W.L (m) :

Date Started :

Total Depth (m) : 60.45

Date Finished :

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									
1				Fill Material (No Recovery)	0.00								
2	■	ST	1										
3	■	ST	2										
4	■	ST	3	Soft silty CLAY, grey, low and high plasticity (CL, CH)	4.00							15.9	
5	■	ST	4									19.2	
6	■	ST	5									20.6	
7	■	ST	6									25.8	
8	■	ST	5									26.9	
9	■	ST	6	Medium stiff silty CLAY, grey, low and high plasticity (CL, CH)	8.50							26.9	
10	■	ST	7										
11	■	SS	1										
12	■	SS	2										
13	■	SS	3										
14	■	SS	4	Very stiff silty CLAY, grey, low and high plasticity (CL, CH)	14.50								
15	■	SS	4									21	
16	■	SS	5									21	
17	■	SS	6									23	
18	■	SS	6										
19	■	SS	7	Dense to very dense silty SAND, grey and brown, fine to medium grained (SM, SP-SM)	19.00								54
20	■	SS	8										50/50
21	■	SS	8										
22	■	SS	9									35	
23	■	SS	9										
24	■	SS	10										50/125
25	■	SS	10										
26	■	SS	11									53	
27	■	SS	12									58	
28	■	SS	12										
29	■	SS	13									48	
30	■	SS	13									51	
31	■	SS	14										

Thin wall tube PL Wn LL

Split spoon Atterberg Limits : ———— □ ————

Rock core

Wash

Auger

Suc : Undrained shear strength from UC test

AM

Borehole Number : BH-5

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Project : โครงการสำรวจออกแบบและจัดทำแผนแม่บทเพื่อพัฒนาริมฝั่งแม่น้ำเจ้าพระยา

Site Location : วัดอาวุธ

Latitude (N) : 13.78503

Ground Elevation (m) :

Longitude (E) : 100.50200

G.W.L (m) :

Date Started :

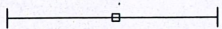
Total Depth (m) : 60.45

Date Finished :

Depth	SAMPLE			SUBSURFACE PROFILE		Atterberg Limits (%)	Unit Weight	Suc (kN/m ²)							
	Symbol	Type	Number	Description	Symbol			SPT-N							
								□(Blows/300mm)□							
						20	40	60	80	20	40	60	80		
32	▲	SS	15	Dense to very dense silty SAND, grey and brown, fine to medium grained (SM, SP-SM)	□							64			
33	▲	SS	16		□								67		
34	▲	SS	17		□								50/75		
35	▲	SS	17		□								50/125		
36	▲	SS	18		□										
37	▲	SS	18		□										
38	▲	SS	19		□							40			
39	▲	SS	20		□							44			
40	▲	SS	20		□										
41	▲	SS	21		Hard silty CLAY, grey, low plasticity (CL)	■	40.00				•			64	
42	▲	SS	22	■							•			72	
43	▲	SS	23	■							•			73	
44	▲	SS	23	■										68	
45	▲	SS	24	■										80	
46	▲	SS	24	■											
47	▲	SS	25	■										65	
48	▲	SS	26	■										80	
49	▲	SS	27	■							•			65	
50	▲	SS	27	■										67	
51	▲	SS	28	■											
52	▲	SS	28	■											
53	▲	SS	29	■						•					
54	▲	SS	30	Very dense silty SAND, brown, fine to medium grained (SM, SP-SM)	□	53.50							50/100		
55	▲	SS	31		□									50/75	
56	▲	SS	31		□									50/50	
57	▲	SS	32		□									50/100	
58	▲	SS	33		□									50/100	
59	▲	SS	33		□									50/125	
60	▲	SS	34	□											
61				End of Borehole		60.45									
62															

Thin wall tube
 Split spoon
 Rock core
 Wash
 Auger

PL Wn LL

Atterberg Limits : 

Suc : Undrained shear strength from UC test

