

NOBLE		Project: East Culvert E2150th Rd.		BORING No. B-1		water level reading			
ENGINEERING CONSULTANTS		County: Clay, IL		Sheet No. 1 of 2		1st encounter: Dry			
Client: Clark County Highway Dept.		Weather: Sunny		Temperature: low 80's		water level reading			
Driller: Noble Engineering Consultants		Date Start: 7-28-09		Surface Elevation: NA		@completion 19'			
Location: Section 09-00268-00-BR		Date Finished: 7-28-09		Driller: Bill Sudduth		Backfill: soil cuttings			
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Q _u (tsf)	Soil Description	Moisture %	Elev.
1									
2	SS-1	1.0'-2.5'	9	3-4-5	40		0.0'-0.5' Gravelly topsoil	5.9	
3									
4	SS-2	3.5'-5.0'	11	2-4-7	100		0.5'-15.0' silty, clayey, gravelly sandy, etc. FILL	20.8	
5									
6	SS-3	6.0'-7.5'	10	2-4-6	100			18.5	
7	ST-1	7.5'-8.5'	FILL					17.3	
8									
9	SS-4	8.5'-10.0'	12	3-4-8	100			24.2	
10									
11									
12									
13									
14	SS-5	13.5'-15.0'	5	2-2-3	100		15.0'-34.0' CLAYEY SILT, TILL, moist to wet to 21.5' moist to dry below, trace to some sand, trace gravel, w/ occ. sat. sand seams below 32', medium to hard, gray	22.9	
15	ST-2	15.0'-16.0'				0.86		22.2	
16									
17									
18									
19	SS-6	18.5'-20.0'	6	2-2-4	100			9.9	
20	ST-3	20.0'-21.0'				0.56		11.4	
21									
22									
23									
24	SS-7	23.5'-25.0'	56	14-28-28	100			8.0	
25									
26									
27									
28	SS-8	27.5'-29.0'	58	13-24-34	100			6.9	
29									
30	SS-9	29.0'-30.0'	59	20-29-30	100			7.4	
Drilling Method: HSA (2-1/4" ID)		comments: Auger refusal encountered at 31' below existing grade.							
Depth: 34'									
Drill Rig: Mobile B-47									
Sampling: split spoon (SS)									
shelby tube (ST)									

BORING 1


NOBLE		Project: East Culvert E2150th Rd.		BORING No. B-1		water level reading			
ENGINEERING CONSULTANTS		County: Clay, IL		Sheet No. 2 of 2		1st encounter: Dry			
Client: Clark County Highway Dept.		Weather: Sunny		Temperature: low 80's		water level reading			
Driller: Noble Engineering Consultants		Date Start: 7-28-09		Surface Elevation: NA		@completion 19'			
Location: Section 09-00268-00-BR		Date Finished: 7-28-09		Driller: Bill Sudduth		Backfill: soil cuttings			
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Q _u (tsf)	Soil Description	Moisture %	Elev.
31									
32	SS-10	31.0'-32.5'	61	15-31-30	100		15.0'-34.0' CLAYEY SILT, TILL, moist to wet to 21.5' moist to dry below, trace to some sand, trace gravel, w/ occ. sat. sand seams below 32', medium to hard, gray EOB 34.0'	8.2	
33									
34	SS-11	32.5'-34.0'	128	16-57-71	100				
35									
36									
37									
38									
39									
40									
Drilling Method: HSA (2-1/4" ID)		comments: Auger refusal encountered at 34' below existing grade.							
Depth: 34'									
Drill Rig: Mobile B-47									
Sampling: split spoon (SS)									
shelby tube (ST)									

NOBLE		Project: East Culvert E2150th Rd.		BORING No. B-2		water level reading			
ENGINEERING CONSULTANTS		County: Clay, IL		Sheet No. 1 of 1		1st encounter: Dry			
Client: Clark County Highway Dept.		Weather: Sunny		Temperature: low 70's		water level reading			
Driller: Noble Engineering Consultants		Date Start: 7-29-09		Surface Elevation: NA		@completion cave			
Location: Section 09-00268-00-BR		Date Finished: 7-29-09		Driller: Bill Sudduth		Backfill: soil cuttings			
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Q _u (tsf)	Soil Description	Moisture %	Elev.
1									
2	SS-1	1.0'-2.5'	9	4-4-5	10		0.0'-0.5' Gravelly topsoil	20.9	
3									
4	SS-2	3.5'-5.0'	13	3-4-9	100		0.5'-15.0' silty, clayey, gravelly sandy, etc. FILL	17.2	
5									
6	SS-3	6.0'-7.5'	10	2-5-5	100			18.4	
7									
8	ST-1	7.5'-8.5'					FILL	14.9	
9	SS-4	8.5'-10.0'	9	3-4-5	100			20.4	
10									
11									
12									
13									
14	SS-5	13.5'-15.0'	7	5-2-3	10		15.0'-27.0' CLAYEY SILT, TILL trace to some sand, trace gravel, occ. cobbles below 22', hard, gray with brown mottling to gray below 22'	12.4	
15									
16									
17									
18									
19	SS-6	18.5'-20.0'	63	9-26-37	100			9.1	
20									
21									
22									
23									
24	SS-7	22.5'-24.0'	47	7-22-25	100			7.5	
25									
26									
27									
28									
29									
30									
Drilling Method: HSA (2-1/4" ID)		comments: Auger Refusal encountered at 27' below existing grade							
Depth: 27'									
Drill Rig: Mobile B-47									
Sampling: split spoon (SS)									
shelby tube (ST)									

BORING 2

DESIGNED - V.J.H.
CHECKED - M.G.B.
DRAWN - D.A.B.
CHECKED - M.G.B.

BORINGS
STRUCTURE NO. 012-5008

 HAMPTON, LENZINI AND RENWICK, INC. CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 217.546.3400 www.hlrengineering.com 184.000959 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	12	09-00268-00-DR	CLARK	20	20
PROJECT NUMBER: 09.0131.130	DATE: 11/03/09	EAST CULVERT		CONTRACT NO. 95612	
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	