

### RECORD OF SOIL EXPLORATION

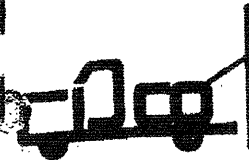
Contracted With IDOT Boring # 743 - B-2  
 Project Name US Route 24 Job # 93S3020  
 Location Astoria, Illinois Surface Elevation 631.5  
 Station 743+25 (Culvert) Sta. 743+25 - 40' Lt. (Boring) Sampling Method 2" Shelby Tube  
 Boring Method Hand Auger Water Depth -  
 Weather & Temp. Clear - 50's Date: Start 11/1/93  
 Engineer CEB, RJM Finish 11/1/93

STRATUM DEPTH		SOIL CLASSIFICATION	SAMPLE NUMBER	SAMPLE DEPTH		Qu (TONS/SQ. FT)	w (%)
From	To			From	To		
0	4.0	Dark gray brown silty clay	1	2.5	3.5	0.29	36
4.0	6.5	Dark gray brown clayey silt	2	4.0	5.0	0.71	30
	6.5	End of boring	3	5.5	6.5	0.25	38

General Remarks: Boring terminated at 6.5 ft because auger hole would not stay open due to wet, sloughing silt soil. Soil sample number 3 appeared to recover the wet soil that sloughed into the hole.

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### LOG OF BORING

 CONTRACTED WITH Hanson Engineers BORING NO. 772-B-1  
 PROJECT NAME US 24 CONTRACT NO. \_\_\_\_\_  
 LOCATION Sta 772+97 (Culvert) Sta. 773+17 - 33' Rt. (Boring)  
 DATUM \_\_\_\_\_ HAMMER WT. 140# HAMMER DROP 30" HOLE DIA. 8"  
 SURFACE ELEV. 655.9' CORE DIA. \_\_\_\_\_ CASING \_\_\_\_\_  
 DATE STARTED 8-12-93 COMPLETED 8-12-93 DRILLING METHOD HSA

ELEV.	DESCRIPTION	STRATA DEPTH		SAMPLES					NOTES	
		DEPTH	SCALE	BLOWS FT.	NO.	TYPE	RECOV.	Qu (Tons)		w (%)
655.9	Brn. clayey silt, w/ f. sand, root hairs	0.0	30							
654.9	topsoil moist	1.0								
653.5	Brn. clayey silt, w/ tr. f. sand moist	2.4		4-6-5	1	ss	17"	1.32	19	
	Lt. gr. lt. brn. mottled clayey silt, w/ tr. f. sand, occas. organic fibers			1-4-5	2	ss	18	1.20	28	
650.1	moist	5.8								WATER 8-12-93
	Lt. brn. lt. gr. silt, w/ f. sand			3-3-4	3	ss	18	0.33	28	DD 12.0' 8:10am BAR 26.3' 9:00am AAR 5.7' 9:30am
				3-3-3	4	ss	18	0.58	28	
644.0	moist	11.9								
	Lt. gr. lt. brn. silt, w/ f. sand, occas. blk. organic fibers			2-3-2	5	ss	18	0.91	31	
				2-2-2	6	ss	18	0.58	19	
639.1	moist	16.8								
	Brn. clayey silt, w/ tr. f. sand, occas. gravel silt lenses			2-4-4	7	ss	18	0.87	25	
				2-3-5	8	ss	18	0.82	20	