DESCRIPTION LOCATION DRILL METHOD

Date 2/11-14/2002

12

10

A-2 Stendard Penetration Test (N-value) - Blows per foot to drive 2-inch O. D. split spoon sampler 12-inches with a 140P Hammer falling 30-inches. Fellura Type: B-Bulge; S-Shaar, P-Penetrometer Test: E-Estimated Our - Unconfined Compressive Strength (7/sf)
W - water content (percentage of ozen dry weight - %)
AASHTO Designations are estimated unless otherwise noted and determined by laboratory analysis

372.92

Medium Dense Brown Fine to Coarse SAND, some

PROJECT ROUTE SECTION COUNTY STRUCTURE NO. DESCRIPTION LOCATION DRILL METHOD 12BP, 12Z-3 Webesh - IL / Gibson - IN Exist. 093-0014 Prop. 093-0021 CME 750/Hollow stem auger/wash bore Automatic Hammer Seriace Water Elevation:
First Encountered: 381.92
Upon Completion: 385.92
After 24 Hours:385.92/Collapse:384.92 B-114 1043+65.05 Depth (ft) Et. Ground Surface El. 393.42 ud Rotary Start Elevation A-2-4 (0.0) (determined by laboratory analy ense Brown and Gray Fine to Medium SAND, 17 Dense Brown and Gray Fine to Medium SAND, trace Fine Gravel shoe of the split spoon.

ense Brown Fine SAND, some Sitt

Gravelly during drilling from 89.5 to 94.5 feet El. 303.92 to El. 299.92)

Approximately 3 to 4 inches of gravel as observed during drilling at 67 feet (El. 326.42)
Standard Penetration Test (N-value) - Blows per aremans runneasum in the (review) power but our orner artifact of the spike spoon semipler it artifact 10th Hammer falling 30-inches. Failure Type: 8-Bulge: S-Sheer; P-Penetrometer Test: E-Estimated Qu - Uncordinad Compressive Strength (t/ef)
W - weter content (percentage of oven day weight - %)
AASHTO Designations are a stimated unless otherwise noted and determined by laboratory analysis

17

Bore Log

Medium Dense Brown and Gray Fine to Coarse

Dense Brown and Grev Fine to Coarse SAND.

SAND, little Fine Gravel

21.3

PROJECT ROUTE SECTION COUNTY STRUCTURE NO. FAP 827
IL Rt. 15/IN Rt. 64
126R. 12Z-3
Webesh - IL / Gibson - IN
Exist. 093-0014 Prop. 093-0021

DESCRIPTION LOCATION Webash River Crossing T1S, R12W, Section 26, SW 1/4 CME 750/Hollow stem auger/wash bore Automatic Hammer

ROUTE No.

F.H.W.A. REGION

STA.

F.A.P. 827 12Z-3, 12BR

WABASH, IL

GIBSON, IN

TO STA.

ILLINOIS

BRIDGE SHEET S105 OF S114

TOTAL SHEETS

158

PROJECT

121

94450

						Surface Water Elevation:				
n						Surrace water Elevation: Groundwater Elevation				
Boring No.:	B-114	1							1	
Station:	1043+65.05	D				First Encountered: 381.92	D			- 1
Offset:	Centerline	Depth		_		Upon Completion: 385.92	Depth	i i	_	i
		(ft)		Qu	w	After 24 Hours:385.92/Collapse:384.92	(ft)		Qu	w
Ground Surface El.	393.42	EI.	N	t/sf	%	Mud Rotary Start Elevation: 380.92	EI.	N	t/sf	%
						Soft Gray Clay and Coal were observed				
						in the washed cuttings at approximately				
						112 feet to 114 feet. Sand was noted in the		"See		
						washed cuttings from aproximately 114 to 115		Remerk	- 1	
1						teet. 278.42	115	1 1		
					Gray SHALE					
					277.42		1	- 1		
Medium Dense Brown	um	5			Boring terminated at 116.0 feet		1			
SAND, little Fine Gra		8			1 -		1			
	95	10			*Remark - upon removal of the tri-cone bit,		1	- 1		
						the drill rig operator noted that the lowest 5 fo	ď			
A-2					section of casing was no longer attached.					
Ar2					The sample from 113.5 to 115 feet was not		1			
i					obtained end the tri-cone bit was advanced to					
l										
			}		refusal. Bedrock encountered at approximate					
				ł		115 feet. Pull-down pressure was approximat	ely	1 1		1
						600 psiat 115 feet and 800 psiat 116 feet.				
						Washed cuttings were collected.				- 1
,			1		ĺ	1				1
	100				•				- 1	
Medium Dense Gray							1			
trace Fine Gravel		1							1	
			1					1		
A-2			1				125	1		
7.5										
On 2/13/02 - installed	Lamina to 102 E foot					1		1		
		11			1		Į I			
On 2/14/02 - removed							ł I			
and extended boring from 103.5 feet to 113.5			8							
feet using mud rotary:		105	15					į l		
								1		
ł										
F						1				
			1				130	1		
			1			1		1		
			1					1		
			1	l	1	1		1		
		***************************************	1	I	l	1		1		
		118	1	i				i		
				l	l	1		1		
			1	l	1	1		1		
						1		_		
1			l	l	1		1			
				l	[	1				
L				L	1	135				
Standard Penetration	Test (N-value) - Blows	per root to o	rive z-inch	U.U. solit si	aann sama	eri∠-incheswith a				

Stendard Penetration Tast (N-value) - Blows per foot to drive 2-inch 0.0. split spoon sampler 12-inche 1404 Hammer falling 30-inches. Failure Type: B-bulge; S-Sheer; P-Penetrometer Test: E-Estimated Qu - Unconfined Compressive Strength (1/8) W - water content (percentage of oven dry weight - %) W - water content (percentage of oven dry weight - %) ASHTO Designations are settimated unless otherwise noted and determined by laboratory analysis

DESIGNED CDF CHECKED ADD CDF ADD CHECKED

ILLINOIS DEPARTMENT OF TRANSPORTATION IL ROUTE 15/IN ROUTE 64 OVER WABASH RIVER PUBLIC WATERS FAP 827 SECT 12Z-3, 12BR

SOIL BORING LOGS

SN: 093-0021 (IL)/9502700 (IN)

benesch alfred benesch & company Engineers - Surveyors - Plearners 205 North Michigan Avenue, Suite 2400 Chicago, Illimois 63601 312-665-0450

WABASH CO., IL.

STA. 1036+27 DATE: JUNE 15, 2007

Bore Log

ROUTE SECTION