

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO. 31
F.A.P. 308	*	ROCK ISLAND	210	115	31 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #64814 \* (1HB, HB-1, VB, HB-2)R

**Illinois Department of Transportation**  
Division of Highways  
DOT

**SOIL BORING LOG** Page 1 of 2  
Date 5/20/04

ROUTE FAP 308 DESCRIPTION P-92-044-02 IL 92 bridge (Centennial Expressway) over 31st Avenue LOGGED BY C. Jenkins

SECTION 1(HB, HB-1, VB, HB-2)R LOCATION SEC. TWP. RNG.

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 421+14 Station  
BORING NO. B-6c Station 422+10  
Offset 1.008 Lt. Ctr of Median  
Ground Surface Elev. 99.5 ft

SOIL DESCRIPTION	DEPTH (ft)	(ft)	(ft)	(%)	Surface Water Elev. None ft	Stream Bed Elev. None ft	Groundwater Elev. First Encounter 64.0 ft	Upon Completion Wash ft	After Hrs.	(ft)	(ft)	(ft)	(%)
MEDIUM tan SAND													
MEDIUM tan/gray fine SAND with a CLAY lens	77.50												
MEDIUM tan fine SAND	96.50	7											
Same as above	95.00	7											
Same as above	92.50	6											
Same as above	89.50	6											
VERY STIFF tan/gray SILTY LOAM with SAND lenses	87.00	8	2.5	19									
MEDIUM tan fine SAND	85.00	7											
MEDIUM tan fine SAND with a SILTY CLAY lens	82.00	11											
STIFF tan SANDY LOAM	80.00	6	1.1	17									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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LOOSE tan SAND & GRAVEL	57.50	3											
LOOSE gray SAND & GRAVEL	55.00	3											
Begin Wash DENSE gray well-cemented SAND & GRAVEL	52.50	15											
DENSE gray fine SAND	47.50	14											
VERY STIFF gray SILTY CLAY	42.50	4	3.5	19									
Wash VERY STIFF blue CLAY	40.00	5	8	21									

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BBS, from 137 (Rev. 8-99)

SOIL BORINGS 6  
IL ROUTE 92 (CENTENNIAL EXPRESSWAY)  
OVER 31st AVENUE  
FAP ROUTE 308 SEC. 1(HB-2)R  
ROCK ISLAND COUNTY  
STATION 1470+70.31  
STRUCTURE NO. 081-0172 (SB)  
STRUCTURE NO. 081-0173 (NB)

DESIGNED
CHECKED
DRAWN
CHECKED

**LOCHNER**  
H.W. LOCHNER, INC., CHICAGO, ILLINOIS

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