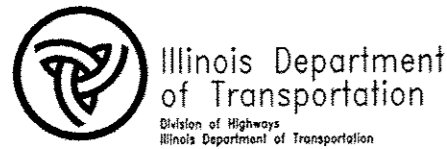


SOIL BORING LOGS



SOIL BORING LOG

Page 1 of 1

Date 5/24/11

ROUTE FAP 301 DESCRIPTION P92-087-11 Box Culvert on US 20, .4 m. E. of S. Devils Ladder Road LOGGED BY W. Garza

SECTION 29T-2 LOCATION E. Galena Twp. - 36SE, SEC. , TWP. 28N, RNG. 1E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	ft	E	L	C	O
BORING NO.	P	O	S	I	Stream Bed Elev.	P	O	S	I
Station	T	W	Qu	T	Groundwater Elev.:	H	S	Qu	T
Offset					First Encounter				
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	Upon Completion	(ft)	(/6")	(tsf)	(%)
876+50					91.5				
B-1					93.5				
876+54					89.5				
58.00ft Lt CL									
100.5									

Soil Description	Depth (ft)	UCS Failure Mode	SPT (blows)	Notes
MEDIUM brown SILTY CLAY LOAM	98.50 - 97.00	0.5 P	20	
LOOSE tan weathered LIMESTONE	97.00 - 94.50			
VERY SOFT light brown SILTY LOAM	94.50 - 92.00	0.2 P	33	
MEDIUM tan weathered LIMESTONE	92.00 - 89.00			
HARD gray/tan CLAY LOAM	89.00 - 87.00	5.4 S	20	
VERY DENSE tan weathered LIMESTONE	87.00			

Additional Rock Probe:
Sta. 877+00, 22' Rt CL
First Encounter: 87.0
Auger Refusal: 84.0
End of Boring

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)



SOIL BORING LOG

Page 1 of 1

Date 5/24/11

ROUTE FAP 301 DESCRIPTION P92-987-11 Box Culvert on US 20, .4 m. E. of S. Devils Ladder Road LOGGED BY W. Garza

SECTION 29T-2 LOCATION E. Galena Twp. - 36SE, SEC. , TWP. 28N, RNG. 1E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	ft	E	L	C	O
BORING NO.	P	O	S	I	Stream Bed Elev.	P	O	S	I
Station	T	W	Qu	T	Groundwater Elev.:	H	S	Qu	T
Offset					First Encounter				
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	Upon Completion	(ft)	(/6")	(tsf)	(%)
876+45					91.5				
B-2					87.5				
876+44					Dry				
22.00ft Rt CL									
99.5									

Soil Description	Depth (ft)	UCS Failure Mode	SPT (blows)	Notes
MEDIUM brown SILTY CLAY LOAM	97.50 - 96.00	0.8 P	18	
No Recovery	96.00 - 93.50			
VERY LOOSE tan very moist weathered LIMESTONE	93.50 - 91.00			
STIFF tan SILTY LOAM	91.00 - 88.00	1.1 P	24	
MEDIUM dark gray SILTY CLAY LOAM with LIMESTONE fragments	88.00 - 86.00	0.5 B	30	
DENSE tan weathered LIMESTONE	86.00 - 83.50			
VERY DENSE tan weathered LIMESTONE	83.50			

Additional Rock Probe:
Sta. 877+85, 21' Lt CL
First Encounter: 84.8
Auger Refusal: 82.8
End of Boring

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)

FILE NAME: <u>cr:\pwork\pav\dot\hardnetbr\08277919\ND082711-snt-blog.dgn</u>	USER NAME: <u>hardnetbr</u>	DESIGNED: <u>-</u>	REVISED: <u>-</u>	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS			F.A.P. RTE.: <u>301</u>	SECTION: <u>29T-2</u>	COUNTY: <u>JO DAVIESS</u>	TOTAL SHEETS: <u>52</u>	SHEET NO.: <u>28</u>
PLOT SCALE: <u>100.0000' / 1"</u>	CHECKED: <u>-</u>	REVISED: <u>-</u>	REVISED: <u>-</u>		SCALE: <u>-</u>	SHEET OF SHEETS: <u>-</u>	STA. TO STA.: <u>-</u>	CONTRACT NO. <u>64H17</u>				
PLOT DATE: <u>Mon Dec 10 13:41:37 2012</u>	DATE: <u>-</u>	REVISED: <u>-</u>	REVISED: <u>-</u>		ILLINOIS FED. AID PROJECT							
Default												