



**Illinois Department of Transportation**  
Division of Highways  
SCI Engineering, Inc.

### SOIL BORING LOG

Page 1 of 1

Date 01/25/13

ROUTE F.A.P. 626 DESCRIPTION Illinois 97 over Spoon River, Proposed South Abutment LOGGED BY SCI (ART)

SECTION (44-B-1)BR LOCATION NW 1/4, SEC. 10, TWP. 9N, RNG. 3E, 4<sup>th</sup> PM

COUNTY Knox DRILLING METHOD CME 750 Track with 3 1/4 HSA HAMMER TYPE Automatic

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEP	BUL	UCS	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After	N/A	Hrs.	N/A	ft	(ft)	(/6")	(tsf)	(%)
048-0100 (Proposed)	1969+15.00	B-101	1964+91	43.0 ft LT	553.8					538.8	530.0		532.8	Not Obs.	Not Obs.								
GRASS COVER - 3 inches																							
FILL: Brown, clay, trace crushed sone, A-7																							
SILTY CLAY: Dark brown, A-6 (continued)																							
SAND: Brown, fine to coarse, with gravel, A-2																							
SANDY LOAM: Gray, with gravel, A-2																							
SAND: Gray, fine, trace gravel, A-2																							
FILL: Dark gray, shaley clay, A-6																							
SILTY CLAY LOAM: Brown, A-7-6 (22)																							
SHALE: Light gray																							
SHALE: Light gray																							
SAND: Brown and gray, fine to coarse, with gravel, A-2																							
SANDY LOAM: Dark gray and brown, A-2																							
SAND: Brown and gray, fine to coarse, A-2																							
With gravel																							
Boring terminated at 39.3 ft.																							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



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### SOIL BORING LOG

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Date 01/25/13

ROUTE F.A.P. 626 DESCRIPTION Illinois 97 over Spoon River, Proposed Pier 1 LOGGED BY SCI (ART)

SECTION (44-B-1)BR LOCATION NW 1/4, SEC. 10, TWP. 9N, RNG. 3E, 4<sup>th</sup> PM

COUNTY Knox DRILLING METHOD CME 750 Track with 3 1/4 HSA HAMMER TYPE Automatic

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEP	BUL	UCS	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After	N/A	Hrs.	N/A	ft	(ft)	(/6")	(tsf)	(%)
048-0100 (Proposed)	1969+15.00	B-102	1966+15	25.0 ft LT	545.6					538.8	530.0		Not Obs.	Not Obs.	Not Obs.								
GRASS COVER - 3 inches																							
No sample recovered																							
FILL: Brown, clay, A-7																							
CLAY: Dark gray, A-7																							
SILTY CLAY: Dark gray, A-6																							
SAND: Brown and gray, fine to coarse, A-2 (continued)																							
CLAYEY SHALE: Light gray																							
SHALE: Light gray																							
Boring terminated at 29.3 ft.																							
SANDY LOAM: Dark gray and brown, A-2																							
SAND: Brown and gray, fine to coarse, A-2																							
With gravel																							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



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### SOIL BORING LOG

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Date 01/24/13

ROUTE F.A.P. 626 DESCRIPTION Illinois 97 over Spoon River, Proposed Pier 2 LOGGED BY SCI (ART)

SECTION (44-B-1)BR LOCATION NW 1/4, SEC. 10, TWP. 9N, RNG. 3E, 4<sup>th</sup> PM

COUNTY Knox DRILLING METHOD CME 750 Track with 3 1/4 HSA HAMMER TYPE Automatic

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEP	BUL	UCS	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After	N/A	Hrs.	N/A	ft	(ft)	(/6")	(tsf)	(%)
048-0100 (Proposed)	1969+15.00	B-103	1967+30	25.0 ft LT	546.9					538.8	530.0		533.4	Not Obs.	Not Obs.								
GRASS COVER - 2 inches																							
CLAY: Brown, with roots, A-6																							
SHALEY CLAY: Gray, trace fine sand, A-7 (continued)																							
SHALE: Light gray																							
LOAM: Brown, A-6 (6)																							
SAND: Brown and gray, fine to coarse, with gravel, A-2																							
SHALEY CLAY: Gray, trace fine sand, A-7																							
Boring terminated at 33.9 ft.																							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



USER NAME = DESIGNED - REVISED  
CHECKED - REVISED  
PLOT SCALE = DRAWN - REVISED  
PLOT DATE = CHECKED - REVISED

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS**  
**STRUCTURE NO. 048-0100**  
SHEET NO. 53 OF 62 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
626	(44-B-1)BR	KNOX	122	83
CONTRACT NO. 68759				
ILLINOIS FED. AID PROJECT				