

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 361	06-00214-25-BR	KANE	220	129
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

Contract # 63076

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5 DATE 7/7/08
 ROUTE FAP 361 BORED BY SPE
 SECTION 06-00214-25-BR BRIDGE _____ CHECKED BY _____

COUNTY <u>Kane</u>				WATER SURFACE EL. <u>716.2</u>			
BORING <u>SB-12</u>				GROUND WATER AT COMPLETION <u>3.8'</u>			
STATION <u>507+70</u>				AFTER - HOURS -			
OFFSET <u>50' R of CL</u>							
Depth	N/6"	Qu	W	Depth	N/6"	Qu	W
M (Ft)		tsf	%	M (Ft)		tsf	%
GROUND SURFACE EL. 720.0				CONTINUED			
Grey Crushed Limestone, CA-06: FILL				Brown and Grey Sandy Clay LOAM, A-6: FILL			
1	12 11 11	-	2	3 2 3	0.5 P	16	
(5)	5 4 3	-	6	(25)	ST	0.75 P	25
2	6 4 3	-	18	8	3 6 12	0.25 P	31
Grey Clay LOAM, A-6(6): FILL*				Grey CLAY, A-6: FILL			
3	ST	0.75 P	25	9	10 11 50	-	9
(40)				(30)			
Grey GRAVEL, A-2 to A-1				Weathered Dolomite			
4	1 2 2	0.25 P	25	10			
(15)	ST	0.5 P	20	(35)			
5	3 1 3	0.25 P	13	11			
(20)				(40)			
Brown Sandy Clay LOAM, A-6, mixed FILL				End of Boring @ 31.5'			
6	3 3 4	0.75 P	16	12			
(20)				(40)			

N-Standard Penetration Test- Blows per foot to drive 2 inch
 O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches
 Qu- Unconfined Compressive Strength (tsf)
 W- Water Content-percentage of oven dry weight (%)
 ST- Shelby tube sample
 Type failure: B- Bulge Failure
 S- Shear Failure
 E- Estimated Value
 P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5 DATE 7/7/08
 ROUTE FAP 361 BORED BY SPE
 SECTION 06-00214-25-BR BRIDGE _____ CHECKED BY _____

COUNTY <u>Kane</u>				WATER SURFACE EL. <u>713.5</u>			
BORING <u>SB-13</u>				GROUND WATER AT COMPLETION <u>3.5'</u>			
STATION <u>507+70</u>				AFTER - HOURS -			
OFFSET <u>91' R of CL</u>							
Depth	N/6"	Qu	W	Depth	N/6"	Qu	W
M (Ft)		tsf	%	M (Ft)		tsf	%
GROUND SURFACE EL. 717.0				CONTINUED			
Grey Crushed Limestone CA-06: FILL				Brown and Dark Grey Silty Clay LOAM, A-6: FILL			
1	13 13 10	-	4	5 4 7	0.62 B	24	
(5)	8 4 3	1.0 P	13	(25)	ST	1.0 P	20
Brown Silty Clay LOAM, A-6: FILL				Dark Grey and Olive-Brown Silty CLAY, A-6: FILL			
2	1 2 2	0.51 B	21	8	2 2 4	0.5 P	34
(10)	ST	0.5 P	19	(30)	3	50/0"	17
Dark Grey Silty CLAY, A-6: FILL				Weathered Dolomite			
3	2 2 2	0.25 P	21	9			
(15)	ST	0.5 P	14	(30)			
Black and Dark Grey Silty CLAY, A-6: FILL				End of Boring @ 30.5'			
4	4 5 6	0.93 B	19	10			
(20)	ST	1.25 P	17	(40)			

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 O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches
 Qu- Unconfined Compressive Strength (tsf)
 W- Water Content-percentage of oven dry weight (%)
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING LOGS IV
 STEARNS ROAD (FAP 361) RETAINING WALL
 STA. 499+20 TO STA. 508+60
 SECTION 06-00214-25-BR KANE COUNTY
 STRUCTURE NUMBER 045-7000
 SCALE: None DRAWN BY: C. Cooney
 DATE: March 30, 2009 CHECKED BY: G. Hatlestad



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