

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 361	06-00214-25-BR	KANE	220	127
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 6/11/08  
 ROUTE FAP 361 BORED BY SPE  
 SECTION 06-00214-25-BR BRIDGE \_\_\_\_\_ CHECKED BY \_\_\_\_\_

COUNTY <u>Kane</u>				WATER SURFACE EL. <u>-</u>			
BORING <u>SB-6</u>				GROUND WATER AT COMPLETION <u>none</u>			
STATION <u>504+00</u>				AFTER <u>-</u> HOURS <u>-</u>			
OFFSET <u>86' R of CL</u>							
Depth	N/6"	Qu	W	Depth	N/6"	Qu	W
		tsf	%			tsf	%
GROUND SURFACE EL. 729.0							
Grey Crushed Limestone, CA-06: FILL							
	20	-	3				
	16						
	18						
1	9	3.0	10				
	12	P					
(5)	16						
2	8	2.79	16				
	12	B					
	15						
3	3	2.95	19				
	5	B					
(+10)	6						
	10	2.17	21				
	23	B					
	10						
4							
(15)							
5							
(20)							
6							
(20)							

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 6/11/08  
 ROUTE FAP 361 BORED BY SPE  
 SECTION 06-00214-25-BR BRIDGE \_\_\_\_\_ CHECKED BY \_\_\_\_\_

COUNTY <u>Kane</u>				WATER SURFACE EL. <u>-</u>			
BORING <u>SB-7</u>				GROUND WATER AT COMPLETION <u>none</u>			
STATION <u>505+00</u>				AFTER <u>-</u> HOURS <u>-</u>			
OFFSET <u>91' R of CL</u>							
Depth	N/6"	Qu	W	Depth	N/6"	Qu	W
		tsf	%			tsf	%
GROUND SURFACE EL. 727.0							
Grey Crushed Limestone, CA-06: FILL							
	18	-	5				
	26						
	30						
1	14	4.5+	7				
	33	P					
(5)	28						
2	8	4.88	13				
	12	B					
	15						
3	4	2.56	18				
	22	B					
(+10)	28						
	8	2.71	18				
	10	B					
	10						
4							
(15)							
5							
(20)							
6							
(20)							

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 6/11/08  
 ROUTE FAP 361 BORED BY SPE  
 SECTION 06-00214-25-BR BRIDGE \_\_\_\_\_ CHECKED BY \_\_\_\_\_

COUNTY <u>Kane</u>				WATER SURFACE EL. <u>-</u>			
BORING <u>SB-8</u>				GROUND WATER AT COMPLETION <u>none</u>			
STATION <u>505+80</u>				AFTER <u>-</u> HOURS <u>-</u>			
OFFSET <u>91' R of CL</u>							
Depth	N/6"	Qu	W	Depth	N/6"	Qu	W
		tsf	%			tsf	%
GROUND SURFACE EL. 725.0							
Grey Crushed Limestone, CA-06: FILL							
	24	-	10				
	22						
	12						
1	4	4.5+	11				
	8	P					
(5)	11						
2	4	1.86	11				
	5	B					
	7						
3	3	1.67	14				
	3	B					
(+10)	3						
	3	1.74	15				
	3	B					
	3						
	2	1.43	12				
	2	B					
(15)	3						
5	3	2.0	15				
	4	P					
	5						
6							
(20)							

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 (%)  
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 Type failure: B- Bulge Failure  
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SOIL BORING LOGS II**  
 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. Haflestad



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