

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET NO.
FAP 744	107B-2	EFFINGHAM	27	27
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	8 SHEETS

CONTRACT NO. 74131

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SOIL BORING LOG

Date 10/17/02

ROUTE CR 1200 E DESCRIPTION Green Creek LOGGED BY E. Sandtschafer

SECTION 107 WRS-1 LOCATION NW 1/4 SEC. 18, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Automatic 140#

STRUCT. NO. 025-3181
Station Unknown

BORING NO. 1 of 2 (North Abut.)
Station 204+70
Offset 0.00#
Ground Surface Elev. 528.31 ft

DEPTH (ft)	SOIL TYPE	MOISTURE (%)	LIQUIDITY INDEX	PLASTICITY INDEX	UNSATURATED WATER CONTENT (%)	STRENGTH	REMARKS
0	Very stiff, very moist, brown, SILTY LOAM w/ hair roots.	1	1	20			Surface Water Elev. Dry ft. 516.38
16	Loose, water bearing, gray SAND w/ one 1" stone. 7% passing #200 sieve.	2.4	8	19			Stream Bed Elev. 516.38 ft
18	Brown, SANDY LOAM w/ hair roots.	2	18	15			Groundwater Elev.: First Encounter 519.8 ft Upon Completion Washed ft
24	Very stiff, very moist, brown, SILTY LOAM w/ hair roots.	2.5	18	16			After N/A. Hrs. samples ft
29	Soft, damp, gray, SANDY CLAY LOAM w/ black specks.	2	18	14			
29	Very dense, very moist, gray, SANDY CLAY LOAM SHALE w/ black specks.	2	18	14			
30	Very soft, very damp, brown, SILTY LOAM.	2	18	14			
30	Very soft, very damp, brown, SANDY LOAM.	2	18	14			
31	Loose, very damp, brown w/ rust spots, SAND.	2	18	14			
32	5% passing #200 sieve.	2	18	14			
33	Very loose, wet to water bearing, gray, SAND. 5% passing #200 sieve.	2	18	14			
34	5% passing #200 sieve.	2	18	14			

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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ROCK CORE LOG

Date 10/17/02

ROUTE CR 1200 E DESCRIPTION Green Creek LOGGED BY E. Sandtschafer

SECTION 107 WRS-1 LOCATION NW 1/4 SEC. 18, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham CORING METHOD Rotary diamond split spoon

STRUCT. NO. 025-3181
Station Unknown

BORING NO. 1 of 2 (North Abut.)
Station 204+70
Offset 0.00#
Ground Surface Elev. 528.31 ft

DEPTH (ft)	RECOVERY (%)	CORE LENGTH (ft)	REMARKS
0	100	15	Gray, SANDY CLAY LOAM SHALE w/ thin gray sandstone layering
30	100	15	
45	100	15	
60	100	15	
75	100	15	
90	100	15	
105	100	15	
120	100	15	
135	100	15	
150	100	15	
165	100	15	
180	100	15	
195	100	15	
210	100	15	
225	100	15	
240	100	15	
255	100	15	
270	100	15	
285	100	15	
300	100	15	
315	100	15	
330	100	15	
345	100	15	
360	100	15	
375	100	15	
390	100	15	
405	100	15	
420	100	15	
435	100	15	
450	100	15	
465	100	15	
480	100	15	
495	100	15	
510	100	15	
525	100	15	
540	100	15	
555	100	15	
570	100	15	
585	100	15	
600	100	15	
615	100	15	
630	100	15	
645	100	15	
660	100	15	
675	100	15	
690	100	15	
705	100	15	
720	100	15	
735	100	15	
750	100	15	
765	100	15	
780	100	15	
795	100	15	
810	100	15	
825	100	15	
840	100	15	
855	100	15	
870	100	15	
885	100	15	
900	100	15	
915	100	15	
930	100	15	
945	100	15	
960	100	15	
975	100	15	
990	100	15	
1005	100	15	
1020	100	15	
1035	100	15	
1050	100	15	
1065	100	15	
1080	100	15	
1095	100	15	
1110	100	15	
1125	100	15	
1140	100	15	
1155	100	15	
1170	100	15	
1185	100	15	
1200	100	15	

Color pictures of the cores
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938) BBS, form 139 (Rev. 6-99)

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SOIL BORING LOG

Date 10/17/02

ROUTE CR 1200 E DESCRIPTION Green Creek LOGGED BY E. Sandtschafer

SECTION 107 WRS-1 LOCATION NW 1/4 SEC. 18, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Automatic 140#

STRUCT. NO. 025-3181
Station Unknown

BORING NO. 2 of 2 (South Abut.)
Station 204+70
Offset 0.00#
Ground Surface Elev. 529.34 ft

DEPTH (ft)	SOIL TYPE	MOISTURE (%)	LIQUIDITY INDEX	PLASTICITY INDEX	UNSATURATED WATER CONTENT (%)	STRENGTH	REMARKS
0	Very loose, water bearing, gray SAND w/ few sandstone fragments and one wood chunk. 1% passing #200 sieve.	1	1	22			Surface Water Elev. Dry ft. 516.38
1	Medium, water bearing, gray, SAND w/ many pebbles. 3% passing #200 sieve.	2	17	12			Stream Bed Elev. 516.38 ft
2	Loose, water bearing, gray, SAND w/ many pebbles. 7% passing #200 sieve.	2	17	12			Groundwater Elev.: First Encounter 517.3 ft Upon Completion Washed ft
3	Medium, damp, brown, SANDY LOAM w/ few hair roots.	3	17	10			After N/A. Hrs. samples ft
4	Loose, water bearing, gray, SAND w/ few hair roots.	3	17	10			
5	Medium, damp, brown, SANDY LOAM w/ few hair roots.	3	17	10			
6	Loose, damp, brown, SAND 27% passing #200 sieve.	3	17	10			
7	Soft, damp, gray, SANDY CLAY LOAM.	3	17	10			
8	Gray, SANDY CLAY LOAM SHALE.	3	17	10			
9	Extent of exploration.	3	17	10			
10	Medium, damp, brown, SILTY LOAM w/ few black specks.	3	17	10			
11	Very loose, water bearing, brown, SAND w/ few gray sandstone fragments. 10% passing #200 sieve.	3	17	10			Benchmark: BM #10 = 543.64' on Little Wabash River bridge. Furnished by Program Development
12	3% passing #200 sieve.	3	17	10			
13	Loose, water bearing, brown, SAND. 2% passing #200 sieve.	3	17	10			
14		3	17	10			
15		3	17	10			
16		3	17	10			
17		3	17	10			
18		3	17	10			
19		3	17	10			
20		3	17	10			
21		3	17	10			
22		3	17	10			
23		3	17	10			
24		3	17	10			
25		3	17	10			
26		3	17	10			
27		3	17	10			
28		3	17	10			
29		3	17	10			
30		3	17	10			

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)

DESIGNED	TMM
CHECKED	KCM
DRAWN	CAR
CHECKED	TMM

BORING LOGS
1200th STREET OVER GREEN CREEK
FAP RTE. 774, SECTION 107B-2
EFFINGHAM COUNTY
STATION 204+33.91
S.N. 025-3309