CONTRACT NO. 64031

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#305	5HBR	ROCK ISLAND	139	88
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SOIL BORING -- ROCK CORE LOG

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 7/15/05

ROUTE FAP 308 DESCRIPTION P92-082-03 John Deere Road over IL 84, 3.25 m. W. of I-80 LOGGED BY W. Garza

SECTION 5 HR LOCATION Hampton Twp. - 32NE, SEC. , TWP. 18N, RNG. 1E

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.
Station

BORING NO. B-4
Station 25+34
Offset 2.00ft Rt of CL
Ground Surface Elev. 619.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Concrete Median			
SOFT brown SILTY CLAY LOAM		0.4 P	15
616.90			
LOOSE gray SHALE	6 3 6		16
615.40			
DENSE gray SHALE	7 13 16		
612.90			
DENSE gray SHALE	10 16 31		
610.40			
VERY DENSE gray SHALE	22 32 34		
607.90			
Borehole continued with rock coring.			

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)

Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Date 7/15/05

ROUTE FAP 308 DESCRIPTION P92-082-03 John Deere Road over IL 84, 3.25 m. W. of I-80 LOGGED BY W. Garza

SECTION 5 HB LOCATION Hampton Twp. - 32NE, SEC. , TWP. 18N, RNG. 1E

COUNTY Rock Island CORING METHOD

STRUCT. NO.
Station

CORING BARREL TYPE & SIZE

BORING NO. B-4
Station 25+34
Offset 2.00ft Rt of CL
Ground Surface Elev. 619.4 ft

Core Diameter 1.5 in
Top of Rock Elev. 616.90 ft
Begin Core Elev. 607.90 ft

DEPTH (ft)	CORE (ft)	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Shale: light to dark gray, thin to blocky laminations with no testable segments due to fissile nature of core.	1	100	10	5	
602.90					
Shale: as above, dark gray and thinly laminated with no testable segments.	2	100	0	3.2	
597.90					
Shale: light gray with blocky structure to 594.2 Sandstone: banded tan-light gray, fine grained and speckled, to elevation 592.9 T.S.F.: 12.9 - 596.5 to 596.1	3	90	20	5	12.9
592.90					
Sandstone: banded tan-light gray, fine grained and speckled. T.S.F.: 8.1 - 590.5 to 590.0	4	100	47	1	8.1
587.90					

End of Boring
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 138 (Rev. 8-99)