

BORING NO. AR-316 (1 OF 1)

BORING NO. AR-317 (1 OF 1)

BORING NO. AR-318 (1 OF 1)

BORING LOG AR-316 Page 1 of 1

Wang Engineering, INC.
 Consulting Geotechnical and
 Environmental Engineers
 wangeng3@wangeng.com
 1145 Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

WEI Job No.: 255-08-08
 Client: American Consulting Engineers
 Project: FAI 80/94, I-294 to US 41
 Location: s29 T36N R15E & s13 T36 R10W

Datum: NGVD
 Elevation: 182.45 m
 North: 545168.51 m
 East: 368374.05 m
 Station: 8+986.37
 Offset: 28.15 LT

BORING LOG AR-317 Page 1 of 1

Wang Engineering, INC.
 Consulting Geotechnical and
 Environmental Engineers
 wangeng3@wangeng.com
 1145 Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

WEI Job No.: 255-08-08
 Client: American Consulting Engineers
 Project: FAI 80/94, I-294 to US 41
 Location: s29 T36N R15E & s13 T36 R10W

Datum: NGVD
 Elevation: 182.24 m
 North: 545166.71 m
 East: 368374.05 m
 Station: 8+989.37
 Offset: 29.53 LT

BORING LOG AR-318 Page 1 of 1

Wang Engineering, INC.
 Consulting Geotechnical and
 Environmental Engineers
 wangeng3@wangeng.com
 1145 Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

WEI Job No.: 255-08-08
 Client: American Consulting Engineers
 Project: FAI 80/94, I-294 to US 41
 Location: s29 T36N R15E & s13 T36 R10W

Datum: NGVD
 Elevation: 182.11 m
 North: 545165.09 m
 East: 368397.68 m
 Station: 9+013.4
 Offset: 30.93 LT

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	SPT Values (blows/250 mm)	CU (kPa)	Moisture Content (%)	Soil Type	Soil and Rock Description	Depth (m)	Sample No.	SPT Values (blows/250 mm)	CU (kPa)	Moisture Content (%)
182.45	330-mm thick ASPHALT --PAVEMENT--	0.0							0.0				
182.45	CRUSHED STONE AGGREGATE --BASE COURSE--	0.0	1	10					0.0	11	5	243	16
182.45	Medium dense, brown SAND	0.0						0.0	11				
182.45	Stiff to very stiff, gray CLAY	0.0	2	6				0.0	12	5	212	21	
182.45	Very stiff to hard, brown CLAY	0.0	3	3				0.0	13	6	204	19	
182.45	Stiff, gray CLAY	0.0	4	6				0.0	14	5	260	21	
182.45	Very stiff, gray SILTY CLAY	0.0	5	4				0.0	15	3	181	19	
182.45	Medium dense, gray SILT	0.0	6	3				0.0	16	4	204	23	
182.45	Very stiff, gray SILTY CLAY	0.0	7	5				0.0	17	5	212	22	
182.45	Very stiff, gray CLAY	0.0	8	5				0.0	18	6	212	18	
182.45	Very stiff to hard, gray SILT CLAY	0.0	9	18				0.0	19	8	417	16	
182.45	Very stiff, gray CLAY	0.0	10	7				0.0	20	10	204	21	

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	SPT Values (blows/250 mm)	CU (kPa)	Moisture Content (%)	Soil Type	Soil and Rock Description	Depth (m)	Sample No.	SPT Values (blows/250 mm)	CU (kPa)	Moisture Content (%)
182.24	343-mm thick CONCRETE --PAVEMENT--	0.0							0.0				
182.24	CRUSHED STONE AGGREGATE --BASE COURSE--	0.0	1	8					0.0	11	4	267	25
182.24	Medium dense, brown SAND	0.0						0.0	11				
182.24	Very stiff, gray SILTY CLAY	0.0	2	7				0.0	12	4	283	23	
182.24	Stiff to very stiff, brown CLAY	0.0	3	3				0.0	13	3	330	22	
182.24	Very stiff, gray CLAY	0.0	4	5				0.0	14	6	290	20	
182.24	Stiff to very stiff, gray CLAY	0.0	5	5				0.0	15	5	149	22	
182.24	Stiff to very stiff, gray CLAY	0.0	6	4				0.0	16	4	299	22	
182.24	Boring terminated at 12.19 m	12.19						12.19					
182.24	Very stiff to hard, gray SILT CLAY	12.19	7	4				12.19	19	4	181	19	
182.24	Very stiff, gray CLAY	12.19	8	6				12.19	20	6	212	18	
182.24	Very stiff, gray CLAY	12.19	9	11				12.19	21	11	417	16	
182.24	Very stiff, gray CLAY	12.19	10	7				12.19	22	7	204	21	

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	SPT Values (blows/250 mm)	CU (kPa)	Moisture Content (%)	Soil Type	Soil and Rock Description	Depth (m)	Sample No.	SPT Values (blows/250 mm)	CU (kPa)	Moisture Content (%)
182.11	356-mm thick CONCRETE --PAVEMENT--	0.0							0.0				
182.11	CRUSHED STONE AGGREGATE --BASE COURSE--	0.0	1	8					0.0	11	5	110	21
182.11	Medium dense, brown, medium SAND	0.0						0.0	11				
182.11	Very stiff, gray CLAY	0.0	2	6				0.0	12	4	149	20	
182.11	Very stiff to hard, brown CLAY	0.0	3	5				0.0	13	5	447	21	
182.11	Very stiff, gray CLAY	0.0	4	5				0.0	14	5	314	21	
182.11	Very stiff, gray CLAY	0.0	5	4				0.0	15	4	283	24	
182.11	Very stiff, gray CLAY	0.0	6	5				0.0	16	5	236	21	
182.11	Medium dense, gray SAND	0.0	7	8				0.0	17	8	196	18	
182.11	Stiff to very stiff, gray SILTY CLAY with interbedded clay lenses	0.0	8	7				0.0	18	7	322	19	
182.11	Boring terminated at 13.72 m	13.72						13.72					
182.11	Very stiff, gray CLAY	13.72	9	8				13.72	20	8	181	20	
182.11	Very stiff, gray CLAY	13.72	10	4				13.72	21	4	181	20	

GENERAL NOTES

Begin Drilling 07-22-2003 Complete Drilling 07-22-2003
 Drilling Contractor TSC Drill Rig CME 75
 Driller C&A Logger J. Kasnick checked by B. Fuglel
 Drilling Method 3.25-in ID HSA; Boring backfilled upon final water reading

WATER LEVEL DATA

While Drilling 1.98 m
 At Completion of Drilling DRY
 Time After Drilling 24 hours
 Depth to Water 2.13 m

GENERAL NOTES

Begin Drilling 07-22-2003 Complete Drilling 07-22-2003
 Drilling Contractor TSC Drill Rig CME 75
 Driller C&A Logger J. Kasnick checked by B. Fuglel
 Drilling Method 3.25-in ID HSA; Boring backfilled upon final water reading

WATER LEVEL DATA

While Drilling 1.68 m
 At Completion of Drilling 5.79 m
 Time After Drilling NA
 Depth to Water NA

GENERAL NOTES

Begin Drilling 07-21-2003 Complete Drilling 07-21-2003
 Drilling Contractor TSC Drill Rig CME 75
 Driller C&A Logger J. Kasnick checked by B. Fuglel
 Drilling Method 3.25-in ID HSA; Boring backfilled upon final water reading

WATER LEVEL DATA

While Drilling 1.37 m
 At Completion of Drilling 7.62 m
 Time After Drilling 24 hours
 Depth to Water 1.98 m

DESIGNED	KFA
CHECKED	BPS
DRAWN	MJB
CHECKED	GSP

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-80/94/US 6
 KINGERY-BORHAM EXPRESSWAY
 BURNHAM ROAD TO US 41

BORING LOGS (5 OF 7)
 SECTION 2626.2-R-2
 LAKE COUNTY, INDIANA
 STATION 8+762.750 TO STATION 9+101.839
 STRUCTURE NO. 016-W915

DATE 09/05

AMERICAN
 CONSULTING ENGINEERS