

RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
344	146-1S&47WRS-2	LAKE	234	126
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60956				

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS

BORING LOG

JOB NO: 9555N CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION BORING NO: B-93
 PROJECT: FAP 344 - U.S. Route 45 - Illinois Route 137 to Illinois Route 132 STATION: 1101+80
 LOCATION: Lake County, Illinois OFFSET: 28'Lt
 BORING RIG & METHOD: Mobile B-53 w/Hollow Stem Augers SURF ELEV: 806.3

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. in.	BLOWS/ft	q _u tsf	STRAIN %	WATER CONTENT %
	0.0-0.5	806.0	FILL: Br & Gr Sand A-1-a					
2	0.5-2.0			10	5-7	4.1	15	15
4	2.0-3.5			18	5-8-13	5.4	15	15
6	3.5-5.0		Hard Br & Gr Silty Clay Loam A-6	18	5-9-10	4.1	15	15
8	6.0-7.5			18	9-9-13	5.6	15	16
10	8.5-10.0	796.3	Boring terminated at 10'	18	6-14-18	7.0	15	14

REMARKS: (1) Denotes Calibrated Penetrometer Estimate

WATER Dry FT. ELEV. DURING DRILLING CORE SIZE IN. DATE: AUG 29 97
 WATER Dry FT. ELEV. AT COMPLETION CASING LENGTH FT. DRILLER: Shlmon
 WATER Dry FT. ELEV. AFTER 1/4 HRS. CASING DIAMETER IN. INSPECTOR: Bugayong

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS

BORING LOG

JOB NO: 9555N CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION BORING NO: B-109
 PROJECT: FAP 344 - U.S. Route 45 - Illinois Route 137 to Illinois Route 132 STATION: 1138+10
 LOCATION: Lake County, Illinois OFFSET: 46'Lt
 BORING RIG & METHOD: Mobile B-53 w/Hollow Stem Augers SURF ELEV: 786.5

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. in.	BLOWS/ft	q _u tsf	STRAIN %	WATER CONTENT %
	0.0-0.5		2" Root zone material					
2	0.5-2.0			7	5-9-10	5.8	15	25
4	2.0-3.5			8	5-8-10	5.8	15	21
6	3.5-5.0		Hard Br & Gr Clay A-6	18	5-10-12	6.2	15	19
8	6.0-7.5			18	5-10-15	4.5	15	20
10	8.5-10.0	776.5	Boring terminated at 10'	18	7-10-21	6.6	15	22

REMARKS: (1) Denotes Calibrated Penetrometer Estimate

WATER Dry FT. ELEV. DURING DRILLING CORE SIZE IN. DATE: AUG 22 97
 WATER Dry FT. ELEV. AT COMPLETION CASING LENGTH FT. DRILLER: Shlmon
 WATER Dry FT. ELEV. AFTER 1/4 HRS. CASING DIAMETER IN. INSPECTOR: Bugayong

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS

BORING LOG

JOB NO: 9555N CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION BORING NO: B-117
 PROJECT: FAP 344 - U.S. Route 45 - Illinois Route 137 to Illinois Route 132 STATION: 1156+05
 LOCATION: Lake County, Illinois OFFSET: 25'Rt
 BORING RIG & METHOD: Mobile B-53 w/Hollow Stem Augers SURF ELEV: 775.8

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. in.	BLOWS/ft	q _u tsf	STRAIN %	WATER CONTENT %
	0.0-0.5		1" Bituminous Concrete					21
2	0.5-2.0		Dark Br to Black Organic Silty Clay Loam A-7-6	10	6-6-6	(1.0)		36
4	2.0-3.5	772.0		6	5-5-5	(1.0)		29
6	3.5-5.0			12	4-4-6	3.1	15	17
8	6.0-7.5		Very Stiff to Hard Gr & Br to Gr Clay A-6	18	4-5-7	2.1	15	18
10	8.5-10.0	765.8	Boring terminated at 10'	18	5-7-11	4.5	15	16

REMARKS: (1) Denotes Calibrated Penetrometer Estimate

WATER Dry FT. ELEV. DURING DRILLING CORE SIZE IN. DATE: AUG 20 97
 WATER Dry FT. ELEV. AT COMPLETION CASING LENGTH FT. DRILLER: Shlmon
 WATER Dry FT. ELEV. AFTER 1/4 HRS. CASING DIAMETER IN. INSPECTOR: Bugayong

MIRZA ENGINEERING, INC. CHICAGO, ILLINOIS

BORING LOG

JOB NO: 9555N CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION BORING NO: B-124
 PROJECT: FAP 344 - U.S. Route 45 - Illinois Route 137 to Illinois Route 132 STATION: 1174+00
 LOCATION: Lake County, Illinois OFFSET: 21'Lt
 BORING RIG & METHOD: Mobile B-53 w/Hollow Stem Augers SURF ELEV: 777.5

DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC. in.	BLOWS/ft	q _u tsf	STRAIN %	WATER CONTENT %
	0.0-0.5	777.0	2" Root zone material Dark Br Organic Silty Clay Loam A-7-6					34
2	0.5-2.0			14	4-6-10	3.7	15	19
4	2.0-3.5	773.6	Very Stiff to Stiff Br & Gr Clay A-7-6	13	3-4-5	1.0	15	29
6	3.5-5.0			18	3-6-11	5.0	15	18
8	6.0-7.5		Hard to Very Stiff Br & Gr to Gr Clay A-6	18	5-10-11	4.3	15	22
10	8.5-10.0	767.5	Boring terminated at 10'	18	5-5-8	2.3	15	14

REMARKS: (1) Denotes Calibrated Penetrometer Estimate

WATER Dry FT. ELEV. DURING DRILLING CORE SIZE IN. DATE: AUG 22 97
 WATER Dry FT. ELEV. AT COMPLETION CASING LENGTH FT. DRILLER: Shlmon
 WATER Dry FT. ELEV. AFTER 1/4 HRS. CASING DIAMETER IN. INSPECTOR: Bugayong

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

U.S. ROUTE 45

ILLINOIS ROUTE 120 TO WASHINGTON STREET

DATE 12/14/09
 DRAWN BY MLB
 CHECKED BY TSB

NO SCALE

