F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-02-FP	MCHENRY	292	208
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO: 63522

OBA
O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAVIS ST./ARLINGTON HTS., IL 60005
(847)364-1441 • FAX(847) 398-2376

Page: 1 of 1

STRUCTURE FOUNDATION
BORING LOG

Project: Walkup Road Phase II Roadway Improvements — OBA Job No.: 06600
Job No: 1D-91-374-00 — Date: Nov. 15, 2006
County: McHenry — Bored By: DR
Client: Teng & Associates, Inc. — Checked By: DOB
BORING No.: **ST-14**
Station: 57+91
Offset: 20' Right
Ground Surface Elevation: 313.8
Surface Water Elev.: n/a
Groundwater Elevation: Dry WD
Groundwater Elevation: Dry AB
After Hours:

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
14.0" ASPHALT							
	8						
	16						
CLAY LOAM–brown & black–stiff (A–6) Fill	6	1.25P	19				
	2						
	2						
–5	3	1.0P	16	–30			
	6						
	8						
	20	NP	4				
SAND, GRAVEL & COBBLES–brown–medium dense to dense (A–1)	11						
	10						
–10	9	NP	5	–35			
	12						
	39						
	10	NP	7				
	9						
	13						
–15	15	NP	4	–40			
	12						
	19						
	20	NP	5				
	10						
	14						
–20	17	NP	5	–45			
	14						
	10						
	11	NP	9				
End of Boring @ –25.0' Hollow Stem Augers CME Automatic Hammer	16						
	17						
–25	18	NP	2	–50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR–No Recovery

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Page: 1 of 1

STRUCTURE FOUNDATION
BORING LOG

Project: Walkup Road Phase II Roadway Improvements — OBA Job No.: 06600
Job No: 1D-91-374-00 — Date: Nov. 15, 2006
County: McHenry — Bored By: DR
Client: Teng & Associates, Inc. — Checked By: DOB
BORING No.: **ST-15**
Station: 58+37
Offset: 22.5' Right
Ground Surface Elevation: 315.6
Surface Water Elev.: n/a
Groundwater Elevation: Dry WD
Groundwater Elevation: Dry AB
After Hours:

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
14.0" ASPHALT							
	8						
	16						
SANDY LOAM–dark brown to brown–loose to medium dense (A–4) Fill	10	1.25P	12				
	4						
	4						
–5	3	0.5P	10	–30			
	2						
	4						
	5	0.5P	16				
	5						
	6						
–10	7	NP	6	–35			
SAND, GRAVEL & COBBLES–brown–medium dense to very dense (A–1)	11						
	12						
	12	NP	9				
	7						
	13						
–15	20	NP	4	–40			
	17						
	14						
	12	NP	2				
	10						
	12						
–20	14	NP	7	–45			
	50/2"						
		NP	4				
End of Boring @ –25.0' Hollow Stem Augers CME Automatic Hammer	10						
	11						
–25	12	NP	4	–50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR–No Recovery

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STRUCTURE FOUNDATION
BORING LOG

Project: Walkup Road Phase II Roadway Improvements — OBA Job No.: 06600
Job No: 1D-91-374-00 — Date: Nov. 15, 2006
County: McHenry — Bored By: MB
Client: Teng & Associates, Inc. — Checked By: DOB
BORING No.: **ST-16**
Station: 59+19
Offset: 66' Right
Ground Surface Elevation: 308.7
Surface Water Elev.: n/a
Groundwater Elevation: Dry WD
Groundwater Elevation: Dry AB
After Hours:

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
10.0" TOPSOIL–block							
	3						
	2						
	3	1.0P	15				
CLAY LOAM–dark brown to black–stiff to very stiff (A–6) Fill	5						
	6						
–5	7	3.0P	12	–30			
Cobbles @ –6.0'.	28						
	7						
	6	1.0P	19				
CLAY to CLAY LOAM–dark brown to black–stiff (A–6)	5						
	5						
–10	10	1.0P	14	–35			
	4						
	5						
	5	NP	5				
	8						
	10						
SAND & GRAVEL–brown–medium dense to very dense (A–1)	8	NP	5				
–15				–40			
	7						
	6						
	4	NP	4				
	14						
	16						
–20	18	NP	5	–45			
	50/4"						
		NP	9				
End of Boring @ –25.0' Hollow Stem Augers CME Automatic Hammer	9						
	8						
–25	6	NP	5	–50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR–No Recovery

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STRUCTURE FOUNDATION
BORING LOG

Project: Walkup Road Phase II Roadway Improvements — OBA Job No.: 06600
Job No: 1D-91-374-00 — Date: Dec. 5, 2006
County: McHenry — Bored By: RJ
Client: Teng & Associates, Inc. — Checked By: DOB
BORING No.: **ST-17**
Station: 59+89
Offset: 56' Right
Ground Surface Elevation: 316.2
Surface Water Elev.: n/a
Groundwater Elevation: Dry WD
Groundwater Elevation: Dry AB
After Hours:

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
12.0" ASPHALT							
	3						
	9						
CLAY LOAM–brown–hard (A–6) Fill	8	4.5P	14				
	9						
SAND & GRAVEL–brown–dense (A–1)	12						
–5	20	NP	5	–30			
	11						
SANDY LOAM–brown–dense (A–4)	11						
	20	NP	9				
	24						
	31						
–10	15	NP	1	–35			
	10						
	7						
SAND & GRAVEL–brown–loose to dense (A–1–a)	5	NP	3				
	5						
	4						
–15	2	NP	3	–40			
	2						
	3						
	3	NP	3				
	6						
	10						
–20	13	NP	4	–45			
	6						
	4						
	4	NP	3				
End of Boring @ –25.0' Hollow Stem Augers Dietrich Automatic Hammer	6						
	8						
–25	7	NP	3	–50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
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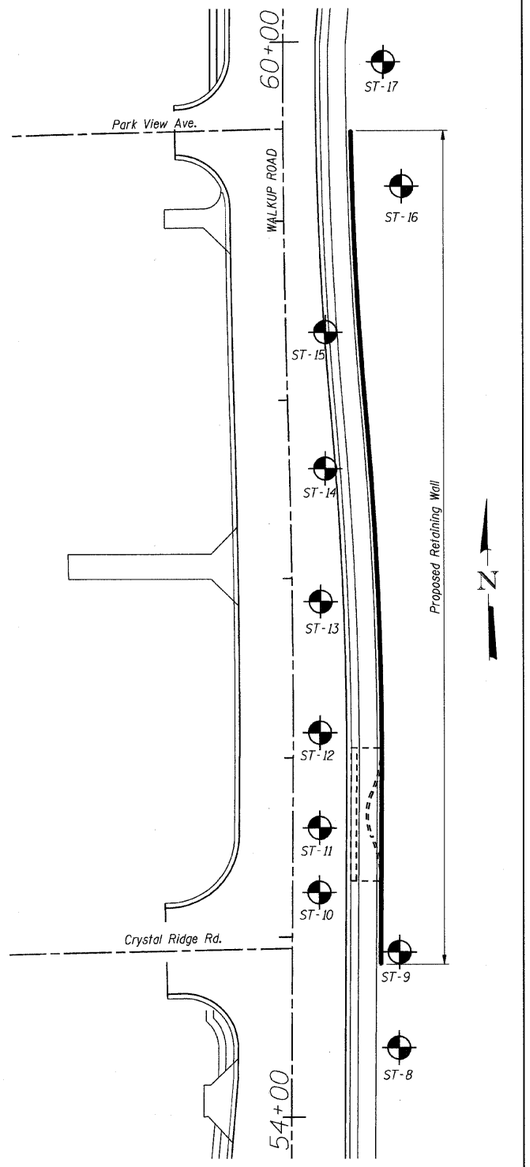

SHT. SB-14

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085
SECTION 00-00246-02-FP
STATION 54+85.02 TO 59+49.91
VETERAN ACRES PARK RETAINING WALL

SOIL BORING LOGS
SHEET 2 OF 2

SCALE: N.T.S. — DRAWN BY: MDB
DATE: 04/15/11 — CHECKED BY: TCG

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
300 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312/616-0000

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