

LOG OF BORING NO. SB-1

CLIENT Crawford, Murphy & Tilly, Inc.	BORING LOCATION Station 177+29.1
PROJECT LOCATION Chicago Executive Airport, Wheeling and Prospect Heights, Illinois	PROJECT DESCRIPTION Geotechnical Investigation For The Proposed Overlay & Extension Of Taxiway E, Chicago Executive Airport
DEPTH (FT.) BELOW GROUND SURFACE	UNIT DRY WT. LBS./FT. <sup>3</sup>
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT.
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD % PENETRATION (BLDS/FT)
SAMPLE RECOVERY	UNCORRECTED COMPRESSIVE STRENGTH TONS/FT.
DESCRIPTION OF MATERIAL	
GROUND SURFACE ELEVATION 639.40	
1 AS 6.0" ASPHALT	
2 SS TOPSOIL-block	
3 SS SILTY CLAY- trace sand & gravel- brown & gray-stiff (CL) Wet	
4 SS Clayey SAND & GRAVEL- brown-medium dense (GC)	
5 SS SILTY CLAY- trace sand & gravel- gray-stiff (CL)	
END OF BORING	
WATER LEVEL OBSERVATIONS	BORING STARTED January 8, 2009
Water Level Vane Drilling	BORING COMPLETED January 8, 2009
Water Level After Borings	RIG D-25 FOREMAN RJ
	BRAMAN RVC APPROVED AJP
	CSI JOB No. 08280 SHEET 1 OF 1

LOG OF BORING NO. SB-2

CLIENT Crawford, Murphy & Tilly, Inc.	BORING LOCATION Station 183+45.34
PROJECT LOCATION Chicago Executive Airport, Wheeling and Prospect Heights, Illinois	PROJECT DESCRIPTION Geotechnical Investigation For The Proposed Overlay & Extension Of Taxiway E, Chicago Executive Airport
DEPTH (FT.) BELOW GROUND SURFACE	UNIT DRY WT. LBS./FT. <sup>3</sup>
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT.
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD % PENETRATION (BLDS/FT)
SAMPLE RECOVERY	UNCORRECTED COMPRESSIVE STRENGTH TONS/FT.
DESCRIPTION OF MATERIAL	
GROUND SURFACE ELEVATION 638.45	
1 AS 7.0" TOPSOIL	
2 SS SILTY CLAY- trace to some sand- brown & gray-stiff (CL)	
3 SS SILT seams from -3.5' to -5.0'	
4 SS SILTY CLAY- trace sand & gravel- gray-very stiff to hard (CL)	
5 SS	
END OF BORING	
WATER LEVEL OBSERVATIONS	BORING STARTED January 8, 2009
Water Level Vane Drilling	BORING COMPLETED January 8, 2009
Water Level After Borings	RIG D-25 FOREMAN RJ
	BRAMAN RVC APPROVED AJP
	CSI JOB No. 08280 SHEET 1 OF 1

LOG OF BORING NO. SB-3

CLIENT Crawford, Murphy & Tilly, Inc.	BORING LOCATION Station 189+08.45
PROJECT LOCATION Chicago Executive Airport, Wheeling and Prospect Heights, Illinois	PROJECT DESCRIPTION Geotechnical Investigation For The Proposed Overlay & Extension Of Taxiway E, Chicago Executive Airport
DEPTH (FT.) BELOW GROUND SURFACE	UNIT DRY WT. LBS./FT. <sup>3</sup>
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT.
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD % PENETRATION (BLDS/FT)
SAMPLE RECOVERY	UNCORRECTED COMPRESSIVE STRENGTH TONS/FT.
DESCRIPTION OF MATERIAL	
GROUND SURFACE ELEVATION 638.79	
1 AS 7.0" TOPSOIL	
2 SS SILTY CLAY- trace to some sand- brown & gray-stiff (CL) Wet	
3 SS	
4 SS SILTY CLAY- trace sand & gravel- gray-very stiff (CL)	
5 SS	
END OF BORING	
WATER LEVEL OBSERVATIONS	BORING STARTED January 8, 2009
Water Level Vane Drilling	BORING COMPLETED January 8, 2009
Water Level After Borings	RIG D-25 FOREMAN RJ
	BRAMAN RVC APPROVED AJP
	CSI JOB No. 08280 SHEET 1 OF 1

LOG OF BORING NO. SB-4

CLIENT Crawford, Murphy & Tilly, Inc.	BORING LOCATION Station 175+26.87
PROJECT LOCATION Chicago Executive Airport, Wheeling and Prospect Heights, Illinois	PROJECT DESCRIPTION Geotechnical Investigation For The Proposed Overlay & Extension Of Taxiway E, Chicago Executive Airport
DEPTH (FT.) BELOW GROUND SURFACE	UNIT DRY WT. LBS./FT. <sup>3</sup>
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT.
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD % PENETRATION (BLDS/FT)
SAMPLE RECOVERY	UNCORRECTED COMPRESSIVE STRENGTH TONS/FT.
DESCRIPTION OF MATERIAL	
GROUND SURFACE ELEVATION 638.83	
1 AS 10.0" ASPHALT, 4.0" CRUSHED STONE	
2 SS SILTY CLAY- trace some sand- dark brown-medium stiff to stiff (CL)	
3 SS Poorly Graded SAND- trace gravel- brown-very loose (SP)	
4 SS SILTY CLAY- trace some sand- gray-medium stiff (CL)	
5 SS	
END OF BORING	
WATER LEVEL OBSERVATIONS	BORING STARTED December 29, 2008
Water Level Vane Drilling	BORING COMPLETED December 29, 2008
Water Level After Borings	RIG D-25 FOREMAN RJ
	BRAMAN RVC APPROVED AJP
	CSI JOB No. 08280 SHEET 1 OF 1

LOG OF BORING NO. SB-5

CLIENT Crawford, Murphy & Tilly, Inc.	BORING LOCATION Station 174+12.1
PROJECT LOCATION Chicago Executive Airport, Wheeling and Prospect Heights, Illinois	PROJECT DESCRIPTION Geotechnical Investigation For The Proposed Overlay & Extension Of Taxiway E, Chicago Executive Airport
DEPTH (FT.) BELOW GROUND SURFACE	UNIT DRY WT. LBS./FT. <sup>3</sup>
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT.
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD % PENETRATION (BLDS/FT)
SAMPLE RECOVERY	UNCORRECTED COMPRESSIVE STRENGTH TONS/FT.
DESCRIPTION OF MATERIAL	
GROUND SURFACE ELEVATION 638.67	
1 AS 6.0" ASPHALT, 6.0" CRUSHED STONE	
2 SS SILTY CLAY- trace some sand- dark brown-very stiff (CL)	
3 SS Clayey SAND & GRAVEL- brown & gray-medium dense (GC)	
4 SS	
5 SS	
END OF BORING	
WATER LEVEL OBSERVATIONS	BORING STARTED December 29, 2008
Water Level Vane Drilling	BORING COMPLETED December 29, 2008
Water Level After Borings	RIG D-25 FOREMAN RJ
	BRAMAN RVC APPROVED AJP
	CSI JOB No. 08280 SHEET 1 OF 1

LOG OF BORING NO. SB-6

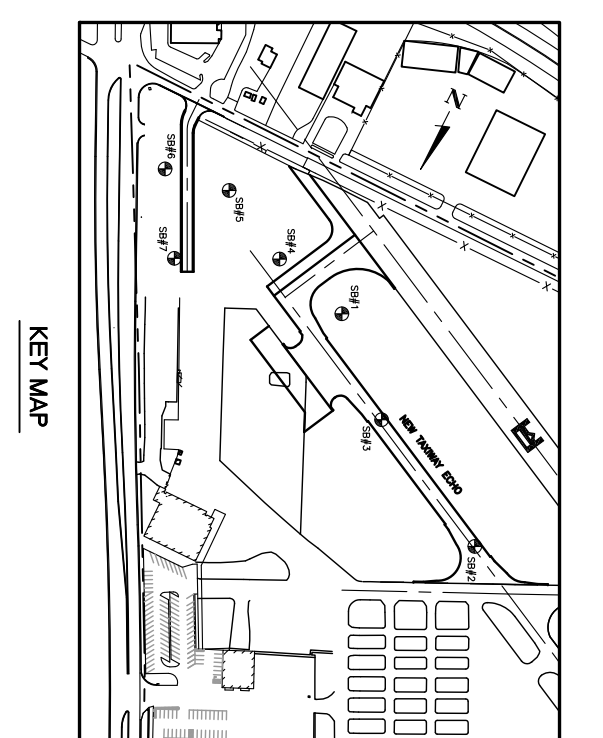
CLIENT Crawford, Murphy & Tilly, Inc.	BORING LOCATION Station 175+38
PROJECT LOCATION Chicago Executive Airport, Wheeling and Prospect Heights, Illinois	PROJECT DESCRIPTION Geotechnical Investigation For The Proposed Overlay & Extension Of Taxiway E, Chicago Executive Airport
DEPTH (FT.) BELOW GROUND SURFACE	UNIT DRY WT. LBS./FT. <sup>3</sup>
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT.
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD % PENETRATION (BLDS/FT)
SAMPLE RECOVERY	UNCORRECTED COMPRESSIVE STRENGTH TONS/FT.
DESCRIPTION OF MATERIAL	
GROUND SURFACE ELEVATION 638.38	
1 AS 7.0" ASPHALT	
2 SS SILTY CLAY- trace to some sand- brown & gray-very stiff (CL)	
3 SS SANDY CLAY- trace gravel- brown-stiff (CL)	
4 SS Clayey SAND & GRAVEL- brown- medium dense to very dense (GC)	
5 SS	
END OF BORING	
WATER LEVEL OBSERVATIONS	BORING STARTED January 8, 2009
Water Level Vane Drilling	BORING COMPLETED January 8, 2009
Water Level After Borings	RIG D-25 FOREMAN RJ
	BRAMAN RVC APPROVED AJP
	CSI JOB No. 08280 SHEET 1 OF 1

LOG OF BORING NO. SB-7

CLIENT Crawford, Murphy & Tilly, Inc.	BORING LOCATION Station 141+32 RT
PROJECT LOCATION Chicago Executive Airport, Wheeling and Prospect Heights, Illinois	PROJECT DESCRIPTION Geotechnical Investigation For The Proposed Overlay & Extension Of Taxiway E, Chicago Executive Airport
DEPTH (FT.) BELOW GROUND SURFACE	UNIT DRY WT. LBS./FT. <sup>3</sup>
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT.
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD % PENETRATION (BLDS/FT)
SAMPLE RECOVERY	UNCORRECTED COMPRESSIVE STRENGTH TONS/FT.
DESCRIPTION OF MATERIAL	
GROUND SURFACE ELEVATION 640.39	
1 AS 6.0" TOPSOIL-block	
2 SS SILTY CLAY- trace some sand- dark brown-stiff (CL) Wet	
3 SS Poorly Graded SAND- trace gravel & silt- brown-medium dense (SP)	
4 SS Clayey SAND & GRAVEL- brown & gray-medium dense (GC)	
5 SS	
END OF BORING	
WATER LEVEL OBSERVATIONS	BORING STARTED December 29, 2008
Water Level Vane Drilling	BORING COMPLETED December 29, 2008
Water Level After Borings	RIG D-25 FOREMAN RJ
	BRAMAN RVC APPROVED AJP
	CSI JOB No. 08280 SHEET 1 OF 1

LOG OF BORING NO. SB-8

CLIENT Crawford, Murphy & Tilly, Inc.	BORING LOCATION Station 141+32 RT
PROJECT LOCATION Chicago Executive Airport, Wheeling and Prospect Heights, Illinois	PROJECT DESCRIPTION Geotechnical Investigation For The Proposed Overlay & Extension Of Taxiway E, Chicago Executive Airport
DEPTH (FT.) BELOW GROUND SURFACE	UNIT DRY WT. LBS./FT. <sup>3</sup>
SAMPLE NUMBER	CALIBRATED PENETROMETER TONS/FT.
SAMPLE TYPE	WATER CONTENT %
SAMPLE DISTANCE	STANDARD % PENETRATION (BLDS/FT)
SAMPLE RECOVERY	UNCORRECTED COMPRESSIVE STRENGTH TONS/FT.
DESCRIPTION OF MATERIAL	
GROUND SURFACE ELEVATION 640.39	
1 AS 6.0" TOPSOIL-block	
2 SS SILTY CLAY- trace some sand- dark brown-stiff (CL) Wet	
3 SS Poorly Graded SAND- trace gravel & silt- brown-medium dense (SP)	
4 SS Clayey SAND & GRAVEL- brown & gray-medium dense (GC)	
5 SS	
END OF BORING	
WATER LEVEL OBSERVATIONS	BORING STARTED December 29, 2008
Water Level Vane Drilling	BORING COMPLETED December 29, 2008
Water Level After Borings	RIG D-25 FOREMAN RJ
	BRAMAN RVC APPROVED AJP
	CSI JOB No. 08280 SHEET 1 OF 1



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 DATE: Fri 4/1/11 9:22am  
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NUMBER	BY	DATE

**CHICAGO EXECUTIVE AIRPORT  
 WHEELING/PROSPECT HEIGHTS, ILLINOIS  
 CONSTRUCT PARTIAL PARALLEL TAXIWAY ECHO AND  
 PARTIAL OVERLAY OF TAXIWAY ECHO**

**ENGINEERING INFORMATION**

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**CHICAGO EXECUTIVE AIRPORT**

DESIGN BY:	MLK
DRAWN BY:	JRO
CHECKED BY:	MLK
APPROVED BY:	DLP
DATE:	04/22/11
JOB NO.:	08290-08
ILLINOIS PROJECT:	PWK-3244
A.I.P. PROJECT:	3-17-0018-B32
SHEET	44 OF 49 SHEETS