CONTRACT NO. 89457

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	06-00139-00-GE	TAZEWELL	13	13
STA. ----------		TO STA. ----------		
PROJECT: HPP 07S00013	ILLINOIS	CITY OF EAST PEORIA		

STS STRUCTURE BORING LOG

JOB NO. 200701666 — Page 1 of 2 — Date 8/25/08

ROUTE _____ DESCRIPTION Camp Street fill and wick drains

SECT. 06-00139-00-GE STRUCT. NO. _____ DRILLED BY Subsurface Exploration

COUNTY Tazwell LOCATION Camp & Heritage St. E. Peoria, IL

Boring No. STS-1 Station 48+14 Offset 23.00ft S Surface Elev. 456.65 ft

Surface Water Elev. _____ Groundwater Elev.: when drilling 445.2 at Completion 0.0 after 15 Hrs. 446.7

Description	Elev.	Depth	Blows	Qu tsf	W %
Hard, Brown SILTY CLAY	456.15		3 5 7 5		10.7 7.3
Medium, Brown SANDY LOAM	454.65				
Loose, Brown SAND			2 2 1 1		5.5
	451.65	-5			
Loose, Brown SILTY LOAM			WOH WOH 1		17.1
	450.15				
Loose to Medium, Brown SAND			1		10.0
			2 1		15.6 29.4 7.7
		-10	3 5 5 5		8.6 10.8 12.6
	443.15				
Soft to Medium, Dark brown SILTY CLAY			1 1 1 1		22.4 26P 32.3 .5P
		-15	1 WOH WOH		26 22.8
	440.15				
Medium, Brown SANDY LOAM	439.15				
Stiff, Gray-Brown SILTY CLAY			1 1 2 2	0.18	24.5
	436.65	-20			
Loose, Brown SANDY LOAM			WOH WOH WOH WOH		19.1
	434.15				
Soft to medium, Brown SILTY CLAY			1 1 2 3	0.18 1P	29.2
		-25			

Description	Elev.	Depth	Blows	Qu tsf	W %
Soft to medium, Brown SILTY CLAY			1 1 2 3	.5P .75P 0.03	23.8
	429.65				
Soft, Brown-gray CLAY			1 WOH WOH WOH	.25P .5P 0.00	29.2
	426.65	-30			
Soft, Gray CLAY			WOH WOH WOH WOH	0.05	26.5
	424.15				
Loose, Gray SILT			WOH WOH WOH WOH	.5P	24.4
	421.65	-35			
Medium, Gray SILTY CLAY			WOH WOH WOH	.5P 0	27.9
	420.15				
Loose to medium, Gray LOAM			3	0	17.6
			.4 WOH WOH WOH	0 .5P	21.5 27.2
	416.15	-40			
Medium, Gray SANDY LOAM			2 3 6 5		24.5 22.7
			6 11 12 7		13.9
	410.65	-45			
Medium, Gray SILTY CLAY			2 3 3 4	.5P	19 27.4
	409.65				
End of Boring. Borehole grouted upon completion. Automatic-Mobile hammer used for Standard Penetration Tests.		-50			

SPT, (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

STS STRUCTURE BORING LOG

JOB NO. 200701666 — Page 2 of 2 — Date 8/25/08

STRUCTURE NO. _____
ROUTE _____
SECTION 06-00139-00-GE
COUNTY Tazwell

Boring No. STS-1 Station 48+14 Offset 23.00ft S Elevation 456.65 ft

WOH = Weight of Hammer

STS STRUCTURE BORING LOG

JOB NO. 200701666 — Page 1 of 1 — Date 8/25/08

ROUTE _____ DESCRIPTION Camp Street fill and wick drains

SECT. 06-00139-00-GE STRUCT. NO. _____ DRILLED BY Subsurface Exploration

COUNTY Tazwell LOCATION Camp & Heritage St. E. Peoria, IL

Boring No. STS-2 Station 48+42 Offset 43.00ft S Surface Elev. 456.32 ft

Surface Water Elev. _____ Groundwater Elev.: when drilling 444.3 at Completion 445.3 after _____ Hrs. _____

Description	Elev.	Depth	Blows	Qu tsf	W %
Medium, Dark brown SANDY CLAY LOAM			8 11 11 8		6.9
	451.32	-5			
Soft to stiff, Dark brown SILTY CLAY			2 8 5 5	1.75P	15.4
		-10	WOH 2 2 3	0.75P	32.3
	440.32				
Soft, Brown SILTY CLAY LOAM			WOH WOH WOH 4	0.5P	23.8 21.7
Note: Vane Shear Tests were performed at depth 25 to 35 ft		-20	WOH WOH WOH 2		16.5
		-25			

Description	Elev.	Depth	Blows	Qu tsf	W %
Soft, Brown SILTY CLAY LOAM. Note: Vane Shear Tests were performed at depth 25 to 35 ft					
		-30			
	420.82				
End of Boring. Borehole grouted upon completion. Automatic-Mobile hammer used for Standard Penetration Tests. WOH = Weight of Hammer					
		-40			
		-50			

SPT, (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

STS STRUCTURE BORING LOG

JOB NO. 200701666 — Page 1 of 1 — Date 8/26/08

ROUTE _____ DESCRIPTION Camp Street fill and wick drains

SECT. 06-00139-00-GE STRUCT. NO. _____ DRILLED BY Subsurface Exploration

COUNTY Tazwell LOCATION Camp & Heritage St. E. Peoria, IL

Boring No. STS-3 Station 49+2 Offset 45.00ft S Surface Elev. 458.72 ft

Surface Water Elev. _____ Groundwater Elev.: when drilling Dry at 10 at Completion after _____ Hrs. _____

Description	Elev.	Depth	Blows	Qu tsf	W %
Very stiff, Dark brown CLAY with some fine-grained gravel			5 8 9 6	7+P	9.3
		-5	1 2 1 2	2.75P 3.0P	12.5
	448.72	-10			
Loose, Brown SANDY LOAM			3 4 3 4		12.8
	443.72	-15			
Medium, Dark brown SILTY CLAY			1 1 1 2	1.0P	39.1
	441.22				
Stiff, Gray SILTY CLAY LOAM. Note: Osterberg tube samples were taken from depth 17.5 to 36.5 ft.		-20		1.31	20.9
	436.22				
Loose to medium, Brown SANDY LOAM					19.5
	433.72	-25			

Description	Elev.	Depth	Blows	Qu tsf	W %
Soft to medium, Gray SILTY CLAY					7.5
	431.22				
Soft to Medium, Gray SILTY CLAY LOAM				1.2	22
		-30		0.6	24.1
				0.25P 0.5P	28.9
		-35			23.1
	422.22				
Soft, Gray SILTY CLAY				0.5P	28.0
	419.72			0.25P 0.5P	26.7
Loose, Gray, SILT		-40	WOH WOH WOH WOH		25.4
	416.72				
Medium, Gray, SAND with some fine to coarse gravel			10 11 1 5 10		22.6
		-45	11 11		15.9
	412.72				
Medium, Gray SILTY LOAM			5 4		30.3
	411.72				
End of Boring. Well installed. Automatic-Mobile hammer used for Standard Penetration Tests. WOH = Weight of Hammer		-50			

SPT, (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

STS STRUCTURE BORING LOG

JOB NO. 200701666 — Page 1 of 1 — Date 8/27/08

ROUTE _____ DESCRIPTION Camp Street fill and wick drains

SECT. 06-00139-00-GE STRUCT. NO. _____ DRILLED BY Subsurface Exploration

COUNTY Tazwell LOCATION Camp & Heritage St. E. Peoria, IL

Boring No. STS-3A Station 49+2 Offset 44.00ft S Surface Elev. 458.72 ft

Surface Water Elev. _____ Groundwater Elev.: when drilling Dry at 10 at Completion after _____ Hrs. _____

Description	Elev.	Depth	Blows	Qu tsf	W %
Blank drilling without sampling					
		-5			
		-10			
		-15			
		-20			
		-25			

Description	Elev.	Depth	Blows	Qu tsf	W %
Blank drilling without sampling					
		-30			
	426.22				
Medium, Gray SILTY CLAY LOAM. Note: Osterberg tube samples were taken from depth 32.5 to 39.5 ft				0.75P	28.1
		-35		0.5P	28
				1.0P	27.5
	418.97				
End of Boring. Borehole grouted and filled upon completion.		-40			
		-45			
		-50			

SPT, (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

STS STRUCTURE BORING LOG

JOB NO. 200701666 — Page 1 of 1 — Date 8/27/08

ROUTE _____ DESCRIPTION Camp Street fill and wick drains

SECT. 06-00139-00-GE STRUCT. NO. _____ DRILLED BY Subsurface Exploration

COUNTY Tazwell LOCATION Camp & Heritage St. E. Peoria, IL

Boring No. STS-4 Station 49+14 Offset 64.00ft S Surface Elev. 457.01 ft

Surface Water Elev. _____ Groundwater Elev.: when drilling 445.0 at Completion after _____ Hrs. _____

Description	Elev.	Depth	Blows	Qu tsf	W %
Loose to medium, Brown SANDY LOAM			6 7 7 6	7+P	7.6
		-5	1 2 1 3		13.2 23.4 9.6
	450.51				
Loose, Brown SAND					
		-10	1 1		18.8
	446.01				
Stiff, Gray SILTY CLAY			WOH 1	0.05	22.3
	445.01				
Loose, Brown-Gray LOAM					
		-15	1 1		25.2
	440.76				
Loose, Brown SAND	440.26		3 2		15.7 29.3
Medium, Brown SILTY CLAY	440.01				
Loose, Brown LOAM					
		-20	WOH WOH 2 2		22.3
	435.01				
End of Boring. Well installed upon completion. Automatic-Mobile hammer used for Standard Penetration Tests		-25			

SPT, (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

SEE SHEET 7 FOR SOIL BORING LOCATIONS

FULL SOILS REPORT IS AVAILABLE UPON REQUEST FROM STS/AECOM, 111 NE JEFFERSON, PEORIA, IL. CONTACT DON BELL: 309-495-6524.

REVISIONS	
NAME	DATE

STS CONSULTANTS
111 NE Jefferson Ave.
Peoria, Illinois 61602
Ph:(309)676-9464
FAX:(309)676-5445
IL Design Firm Reg. No. 184-001518

ILLINOIS DEPARTMENT OF TRANSPORTATION

CAMP STREET FILL

SOIL BORING LOGS

SCALE: _____ DRAWN BY: MLB/MEW

DATE: 1-5-2009 CHECKED BY: DDB

PLOT DATE = $DATE$
FILE NAME = $FILEL$
PLOT SCALE = $SCALE$
USER NAME = $USERN$