ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 2783	1314B	COOK	160	125
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 57
57 SHEETS

CONTRACT 60293

STS Consultants Ltd.
STRUCTURE BORING LOG

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STRUCTURE NO. 016-0708
ROUTE I-90
SECTION 1314 B
COUNTY Cook

Boring No. B-15
Station 4+541
Offset 5.00m Left
Elevation 174.73 m

Description	Depth	Blows	Qu kPa	W %
Silty clay, trace gravel, sand and shale - gray - very stiff (A-6)		6 9 16	335P 383B	16.8
	-16.5	9 14 10	335P 364B	21.7
171.73	-18.0			
Clayey silt, trace gravel, sand and shale - gray - extremely dense - moist to wet (A-4)		72		10.9
171.28 ID#: SANDY LOAM AASHTO: A-4 (0)				
End of Boring Borehole grouted upon completion. Casing used: 3.05 m of 102 mm Automatic-Mobile Hammer used for Standard Penetration Tests.	-19.5			
	-21.0			
	-22.5			

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 Meters

STS Consultants Ltd.
STRUCTURE BORING LOG

JOB NO. 31045

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Date 5/3/00

ROUTE I-90 DESCRIPTION Proposed Retaining Wall; Nagle Ave. & Kennedy Expy.
SECT. 1314 B STRUCT. NO. 016-0708 DRILLED BY DeRubeis-STS
COUNTY Cook LOCATION 47.0m W. of W. curb of Nagle; 1.8m S. of N. curb of Gregory

Boring No. B-16
Station 4+556
Offset 5.00m Left
Surface Elev. 189.65 m

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

Description	Depth	Blows	Qu kPa	W %
Driller notes asphalt.				
189.35				
Fill: Silty clay, trace gravel, sand and shale - gray - hard (A-6)		5 6 8		14.3
188.90				
Fill: fine to medium sand, trace to little clay, trace silt and gravel - brown - medium dense - moist to wet (A-3)		4 11 12		13.7
	-1.5	6 6 8		16.5
187.40				
Silty clay, trace gravel, sand and shale - gray - very stiff to hard (A-6)		ST	467P 588B	15.2
	-3.0	ST	467P 358B	16.1
		7 13 15	383P 364B	15.5
	-4.5	6 9 12	311P 287B	16.2
		9 13 15	240P 240B	18.7
	-6.0	5 8 12	192P 77B	21.4
182.90				
Silty clay, trace gravel, sand and shale - gray - stiff (A-6)		5 8 11	96P 240B	19.7
	-7.5			
Silty clay, trace gravel, sand and shale - gray - stiff (A-6)		5 8 10	144P	16.8
	-9.0	4 6 7	144B	25.1
		6 8 10	120P 345B	14.0
	-10.5	5 15 29	383P 240B	20.5
	-12.0	5 9 11	144P 402B	16.8
176.15	-13.5			
Silty clay, trace gravel, sand and shale - gray - very stiff (A-6)		6 9 14	287P 402B	12.7
	-15.0			

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STS Consultants Ltd.
STRUCTURE BORING LOG

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STRUCTURE NO. 016-0708
ROUTE I-90
SECTION 1314 B
COUNTY Cook

Boring No. B-16
Station 4+556
Offset 5.00m Left
Elevation 174.65 m

Description	Depth	Blows	Qu kPa	W %
Silty clay, trace gravel, sand and shale - gray - very stiff (A-6)		6 14 14	287P 326B	17.9
	-16.5	8 14 17	192P	23.6
171.65	-18.0			
Silty clay, trace gravel, sand and shale - gray - hard (A-6)		59	431P	12.5
	-19.5	42 56	431P 431B	8.8
169.85				
End of Boring Borehole grouted upon completion. Casing used: 3.05 m of 102 mm Automatic-Mobile Hammer used for Standard Penetration Tests. ST = 2" dia. Shelby Tube Sample	-21.0			
	-22.5			

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 Meters

COLLINS ENGINEERS
123 N. WACKER DR., SUITE 300
CHICAGO, IL 60606
(312) 704-9300
ILLINOIS PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-000993

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90 (I-90)
AT NAGLE AVENUE
F.A.U. RTE. 2783 SEC 1314B
COOK COUNTY STATION 4+545.264
STRUCTURE NO. 016-W779

SOIL BORINGS-II

DRAWN BY KAC
CHECKED BY ERB/DGS
DATE: DEC. 2004

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