Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG 2081-B-02

WEI Job No.: 1100-04-01

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Sections 16 and 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 576.15 ft
North: 1898095.00 ft
East: 1171065.77 ft
Station: 3836+54.98
Offset: 52.71 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
519.4	Dense to very dense, gray SILTY LOAM, trace to little gravel	55		17	5 8 14	2.46 B	16
		60		18	19 23 32	1.80 B	12
		65		19	11 18 25	7.95 S	14
		70		20	12 14 50/5	7.65 B	9
		75		21	50/1	4.50 P	17
499.4	Very dense, gray SILT --WET--	80		22	27 48 48	1.97 B	20
494.4	Very dense, gray GRAVELLY SANDY LOAM	85		23	50/5		NP 12
491.1	Boring terminated at 85.00 ft	90					
		95					
		100					

GENERAL NOTES

Begin Drilling: 04-01-2013 Complete Drilling: 04-01-2013
Drilling Contractor: Wang Testing Services Drill Rig: CME-55 TMR
Driller: P&N Logger: D. Wind Checked by: C. Marin
Drilling Method: 3.25" HSA to 10', Mud Rotary 10' thereafter, boring backfilled upon completion

WATER LEVEL DATA

While Drilling: NA
At Completion of Drilling: NA
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG 2081-B-03

WEI Job No.: 1100-04-01

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Sections 16 and 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 581.38 ft
North: 1898040.36 ft
East: 1171151.03 ft
Station: 3835+97.75
Offset: 30.83 RT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
581.1	14-inch thick ASPHALT --PAVEMENT--						
580.1	11-inch thick CONCRETE --PAVEMENT--						
	Loose to medium dense, gray CRUSHED STONE --FILL--	1		1	2 3 5	2.50 P	14
		5		2	7 18 12	NP	5
575.9	Medium stiff to stiff, gray SILTY CLAY, trace gravel			3	5 8 8	1.97 B	19
		10		4	2 2 3	1.15 B	19
				5	2 3 3	0.82 B	23
568.4	Soft to medium stiff, gray CLAY	15		6	2 3 3	0.57 B	25
				7	0 2 2	0.57 B	20
		20		8	0 2 3	0.57 B	26
				9	0 0 1	0.33 B	25
		25		10	0 1 2	0.33 B	27
544.6	Stiff to hard, gray SILTY CLAY, trace gravel	30		11	0 0 0	0.25 B	24
				12	0 1 2	0.49 B	26
		35		13	0 1 2	0.41 B	29
		40		14	1 4 4	1.23 B	23
		45		15	7 8 12	5.99 B	13
		50		16	5 5 10	3.28 B	21

GENERAL NOTES

Begin Drilling: 03-28-2013 Complete Drilling: 03-29-2013
Drilling Contractor: Wang Testing Services Drill Rig: B-57 TMR
Driller: P& Logger: D. Wind Checked by: C. Marin
Drilling Method: 3.25" HSA to 8.5', Mud Rotary 8.5' thereafter, boring backfilled upon completion

WATER LEVEL DATA

While Drilling: NA
At Completion of Drilling: NA
Time After Drilling: NA
Depth to Water: NA

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BORING LOG 2081-B-03

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Project: Circle Interchange Reconstruction
Location: Sections 16 and 17, T39N, R14E of 3rd PM

Datum: NAVD 88
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East: 1171151.03 ft
Station: 3835+97.75
Offset: 30.83 RT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
524.6	Medium dense, gray SILT	55		17	4 9 13	4.51 B	18
		60		18	4 7 9	NP	17
519.6	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel	65		19	18 24 32	7.95 S	12
		70		20	16 32 50	9.84 S	12
		75		21	35 50/6	6.23 S	10
504.6	Very dense, gray GRAVELLY SANDY LOAM	80		22	50/6		NP 12
499.6	Very dense, gray SILT --MOIST--	85		23	39 49 50		NP 20
494.6	Very dense, gray GRAVELLY SANDY LOAM	90		24	50/6		NP 11
489.4	Strong, very poor rock quality 92'-94', light gray, highly fractured, slightly vuggy DOLOSTONE	95	CORE	1			
	Run 1 = 92' to 102' --RECOVERY=100% --RQD=72%						
	-Strong, good rock quality 94'-102', light gray, fresh, slightly fractured, joint breaks with little to no infill, slightly vuggy DOLOSTONE						
	ROCK MASS RATING:	100					

GENERAL NOTES

Begin Drilling: 03-28-2013 Complete Drilling: 03-29-2013
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Drilling Method: 3.25" HSA to 8.5', Mud Rotary 8.5' thereafter, boring backfilled upon completion

WATER LEVEL DATA

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Time After Drilling: NA
Depth to Water: NA

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FILE NAME = I:\7290\7290L21 - Circle Interchange Tunnel Bulkheading\CADD\CADD SHEETS\72903L21-soilborings01.dgn

WANGENGINC 1100401.GPJ WANGENG.GDT 4/5/13

COLLINS ENGINEERS INC

USER NAME = rgoll	DESIGNED -	REVISED -	
PLOT SCALE = 20.0000 '/ in.	DRAWN -	REVISED -	
PLOT DATE = 4/12/2013	CHECKED -	REVISED -	
	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	-0101.6-2P-1-3 (13)	COOK	37	24
		CONTRACT NO. 60W36		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		