

**Wang Engineering**  
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**BORING LOG CUL-001**

WEI Job No.: 201-40-01

Client: McDonough Associates Inc.  
 Project: US 46 Segment  
 Location: Co., T38N, R12E

Datum: NGVD  
 Elevation: 663.96 ft  
 North: 1500718.69 ft  
 East: 1115688.40 ft  
 Station: 199+13.28  
 Offset: 31.17 LF

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Moisture Content (%)	Soil Profile	Soil and Rock Description	Depth (ft)	Sample No.	SPT Values (blows/ft)	Moisture Content (%)
687.0	12-inch thick CONCRETE --PAVEMENT--										
686.6	6-inch thick CRUSHED STONE --BASE COURSE--	1	5 7 7	4.50 P	17						
	Stiff to hard, brown and gray SILTY CLAY, with trace to little gravel										
	--FILL--	2	4 5 4	1.50 P	15						
		3	3 4 5	2.00 P	21						
		4	3 4 7	2.25 P	23						
677.5	Loose to medium dense, gray CRUSHED STONE, with SAND										
	--FILL-- --WET--	5	5 12 10	NP	17						
		6	11 7 4	NP	12						
		7	2 2 3	NP	19						
		8	7 9 5	NP	40						
		9	2 2 8	NP	59						
		10	12 14 7	NP	27						

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	04-12-2011	Complete Drilling	04-12-2011	While Drilling	10.50 ft
Drilling Contractor	WTS	Drill Rig	D-50 ATV	At Completion of Drilling	CAVE AT 10.5
Driller	K&R	Logger	B. Wilson	Time After Drilling	NA
Checked by	A. Kurnia	Depth to Water	NA	The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.	
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion				

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**BORING LOG CUL-002**

WEI Job No.: 201-40-01

Client: McDonough Associates Inc.  
 Project: US 46  
 Location: ORLAND PARK, IL

Datum: NGVD  
 Elevation: 697.96 ft  
 North: 1800721.90 ft  
 East: 1115688.10 ft  
 Station: 199+14.48  
 Offset: 28.62 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Moisture Content (%)	Soil Profile	Soil and Rock Description	Depth (ft)	Sample No.	SPT Values (blows/ft)	Moisture Content (%)
697.0	12-inch thick CONCRETE --PAVEMENT--										
696.6	6-inch thick CRUSHED STONE --BASE COURSE--	1	4 6 6	3.00 P	18						
	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM, trace gravel										
	--FILL--	2	4 4 4	1.00 P	15						
		3	3 3 4	1.25 P	24						
		4	2 3 4	1.75 P	18						
677.5	Loose to medium dense, gray CRUSHED STONE (stone size up to 5-inch)										
	--FILL--	5	9 7 6	NP	16						
		6	7 5 5	NP	7						
		7	2 12 3	NP	6						
		8	7 9 3	NP	18						
		9	3 4 4	NP	10						
		10	3 5 5	NP	26						

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	04-12-2011	Complete Drilling	04-12-2011	While Drilling	10.50 ft
Drilling Contractor	WTS	Drill Rig	D-50 ATV	At Completion of Drilling	CAVE AT 10
Driller	K&R	Logger	B. Wilson	Time After Drilling	NA
Checked by	A. Kurnia	Depth to Water	NA	The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.	
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion				



USER NAME *	DESIGNED - LRT/AG	REVISED -
PLOT SCALE *	CHECKED - OAO	REVISED -
PLOT DATE *	DRAWN - TCS/AG	REVISED -
	CHECKED - LRT	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**BORING LOGS**  
**MARLEY CREEK BOX CULVERT**  
 SHEET NO. 4 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-4	COOK	152	539
CONTRACT NO. 60M61			ILLINOIS FED. AID PROJECT	