EARTH TECH — A tyco INTERNATIONAL LTD. COMPANY	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		96-00099-00-BR	DUPAGE	62	54
	STA. 13+25.00		TO STA. 16+55.00		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT 83664

LOG OF BORING NO. 1

Page 1 of 1

CLIENT: EarthTech
SITE: Main Street Bridge Over West Dupage River, Naperville, Illinois
PROJECT: Main Street Bridge Replacement

Elev.	Description
673.6	Approx. Surface Elev.: 673.6 ft
673.5	Approx. 2.5" Asphalt
672.5	Approx. 9.5" Concrete
	VOID
663	WATER
656	
655	SAND AND GRAVEL
	*** APPARENT LIMESTONE BEDROCK
649.5	BOTTOM OF BORING

Practical Auger Refusal at 24'
***Classification of rock materials based upon drilling characteristics and observation of disturbed samples. Petrographic analysis and/or coring may reveal other rock types.

Depth	USCS Symbol	Num Ber	Type	Reco Very. In.	SPT - N * Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unco Nf Ned Streng Th, psf
0.2			PA					
			PA					
10.5			PA					
17.5								
18.5			PA					
			PA					
24								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft: WL 10.5 WD 10.5 AB

Terracon

BORING STARTED	7-2-97		
BORING COMPLETED	7-2-97		
RIG	74	FOREMAN	SM
APPROVED	RWP	JOB *	11975030

LOG OF BORING NO. 2 (NORTH ABUTMENT)

Page 1 of 1

CLIENT: EarthTech
SITE: Main Street Bridge Over West Dupage River, Naperville, Illinois
PROJECT: Main Street Bridge Replacement

Elev.	Description
673.0	Approx. Surface Elev.: 673.0 ft
673	Approx. 2" Asphalt
672	Approx. 10" Concrete
	FILL: CLAYEY SAND AND GRAVEL, WITH LIMESTONE FRAGMENTS, brown and dark brown
658	***APPARENT LIMESTONE BEDROCK
643.5	BOTTOM OF BORING

Practical Auger Refusal at 29.5'
***Classification of rock materials based upon drilling characteristics and observation of disturbed samples. Petrographic analysis and/or coring may reveal other rock types.

Depth	USCS Symbol	Num Ber	Type	Reco Very. In.	SPT - N * Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unco Nf Ned Streng Th, psf
			PA					
		1	SS	6	39	3		
			PA					
		2	SS	6	41	8		
			PA					
		3	SS	12	12	6		
			PA					
		4	SS	12	6	9		
			PA					
		5	SS	9	30	8		
			PA					

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft: WL 10 WD 10 AB

Terracon

BORING STARTED	7-2-97		
BORING COMPLETED	7-2-97		
RIG	74	FOREMAN	SM
APPROVED	RWP	JOB *	11975030

LOG OF BORING NO. 3 (SOUTH ABUTMENT)

Page 1 of 1

CLIENT: EarthTech
SITE: Main Street Bridge Over West Dupage River, Naperville, Illinois
PROJECT: Main Street Bridge Replacement

Elev.	Description
673.6	Approx. Surface Elev.: 673.6 ft
673.5	Approx. 2" Asphalt
672.5	Approx. 10" Concrete
	FILL: CLAYEY SAND AND GRAVEL, WITH LIMESTONE FRAGMENTS, brown and dark brown
659	
658.6	***APPARENT LIMESTONE BEDROCK
	BOTTOM OF BORING

Practical Auger Refusal at 15'
***Classification of rock materials based upon drilling characteristics and observation of disturbed samples. Petrographic analysis and/or coring may reveal other rock types.

Depth	USCS Symbol	Num Ber	Type	Reco Very. In.	SPT - N * Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unco Nf Ned Streng Th, psf
			PA					
		1	SS	6	3	14		
			PA					
		2	SS	6	8	12		
			PA					
		3	SS	6	6	10		
			PA					
		4	SS	6	17	9		
			PA					
		5	SS	6	25	10		

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft: WL 13 WD 13 AB

Terracon

BORING STARTED	7-2-97		
BORING COMPLETED	7-2-97		
RIG	74	FOREMAN	SM
APPROVED	RWP	JOB *	11975030

LOG OF BORING NO. 101 (NORTH ABUTMENT)

Page 1 of 1

CLIENT: EarthTech
SITE: Main Street Bridge Over West Dupage River, Naperville, Illinois
PROJECT: Main Street Bridge Replacement

Elev.	Description
673.0	Approx. Surface Elev.: 673.0 ft
673	Approx. 2 inch Asphalt Pavement
672	Approx. 10 inch Concrete Deck
	DRILLER'S DESCRIPTION : FILL : SAND AND GRAVEL, WITH TO TRACE CLAY, gray and brown
665	DRILLER'S DESCRIPTION : FILL : CLAY AND GRAVEL, gray and brown
661	CONCRETE : EXISTING BRIDGE ABUTMENT FOOTING
658.5	HIGHLY WEATHERED TO MODERATELY WEATHERED LIMESTONE, WITH OCCASIONAL FRACTURES, rusty brown, trace grayish white porous
653	SLIGHTLY WEATHERED LIMESTONE, WITH OCCASIONAL FRACTURES, grayish white porous to solid
648.5	BOTTOM OF BORING

Depth	USCS Symbol	Num Ber	Type	Reco Very. In.	SPT - N * Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unco Nf Ned Streng Th, psf
			PA					
		1	SS	6	7			
			PA					
		2	SS	3	8			
			PA					
		3	SS	92%	25/1"			
		R1	DB					
					ROD 28%			
		R2	DB	95%	ROD 88%			(12,110 psi)

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft

Terracon

BORING STARTED	9-4-03		
BORING COMPLETED	9-4-03		
RIG	94	FOREMAN	JC
APPROVED	NRL	JOB *	11035205

LOG OF BORING NO. 102 (CENTER PIER)

Page 1 of 1

CLIENT: EarthTech
SITE: Main Street Bridge Over West Dupage River, Naperville, Illinois
PROJECT: Main Street Bridge Replacement

Elev.	Description
673.8	Approx. Surface Elev.: 673.8 ft
673.5	Approx. 2 inch Asphalt Pavement
672.5	Approx. 12 inch Concrete Deck
	AIR
662.5	WATER
661	
660	DRILLER'S DESCRIPTION : BROKEN LIMESTONE FRAGMENTS REVERSED
	HIGHLY WEATHERED TO MODERATELY WEATHERED LIMESTONE, WITH OCCASIONAL FRACTURES, rusty brown, trace grayish white porous
650	SLIGHTLY WEATHERED LIMESTONE, WITH OCCASIONAL FRACTURES, grayish white, trace rusty brown porous to solid
634.5	BOTTOM OF BORING

Depth	USCS Symbol	Num Ber	Type	Reco Very. In.	SPT - N * Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unco Nf Ned Streng Th, psf
			PA					
		R1	DB	60%	ROD 0%			
		R2	DB	100%	ROD 40%			(11,210 psi)
		R3	DB	90%	ROD 77%			
		R4	DB	97%	ROD 93%			
		R5	DB	93%	ROD 93%			

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft

Terracon

BORING STARTED	12-5-03		
BORING COMPLETED	12-5-03		
RIG	94	FOREMAN	JC
APPROVED	NRL	JOB *	11035205

LOG OF BORING NO. 103 (SOUTH ABUTMENT)

Page 1 of 1

CLIENT: EarthTech
SITE: Main Street Bridge Over West Dupage River, Naperville, Illinois
PROJECT: Main Street Bridge Replacement

Elev.	Description
673.8	Approx. Surface Elev.: 673.8 ft
673.5	Approx. 2 inch Asphalt Pavement
673	Approx. 10 inch Concrete Deck
672	DRILLER'S DESCRIPTION : FILL : CRUSHED LIMESTONE GRAVEL
668	DRILLER'S DESCRIPTION : FILL : SANDY LEAN CLAY, brown
667	DRILLER'S DESCRIPTION : FILL : CRUSHED LIMESTONE GRAVEL
	POSSIBLE OLD BRIDGE STONE ABUTMENT : SLIGHTLY WEATHERED LIMESTONE, WITH OCCASIONAL CEMENT MORTAR FILLED JOINTS, grayish white porous to solid
657	HIGHLY WEATHERED LIMESTONE, WITH OCCASIONAL FRACTURES, rusty brown, trace grayish white porous
654	SLIGHTLY WEATHERED LIMESTONE, WITH OCCASIONAL FRACTURES, grayish white, trace rusty brown porous to solid
652	BOTTOM OF BORING

Depth	USCS Symbol	Num Ber	Type	Reco Very. In.	SPT - N * Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unco Nf Ned Streng Th, psf
			PA					
		R1	DB	51%	ROD 34%			
		R2	DB	67%	ROD 0%			
		R3	DB	100%	ROD 42%			(13,440 psi)

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft

Terracon

BORING STARTED	9-4-03		
BORING COMPLETED	9-4-03		
RIG	94	FOREMAN	JC
APPROVED	NRL	JOB *	11035205

REVISIONS	
NAME	DATE

CITY OF NAPERVILLE

MAIN STREET BRIDGE BORING LOGS

SCALE:
DATE JULY 9, 2004
DRAWN BY
CHECKED BY