F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76867		

* +7 / 160 △1

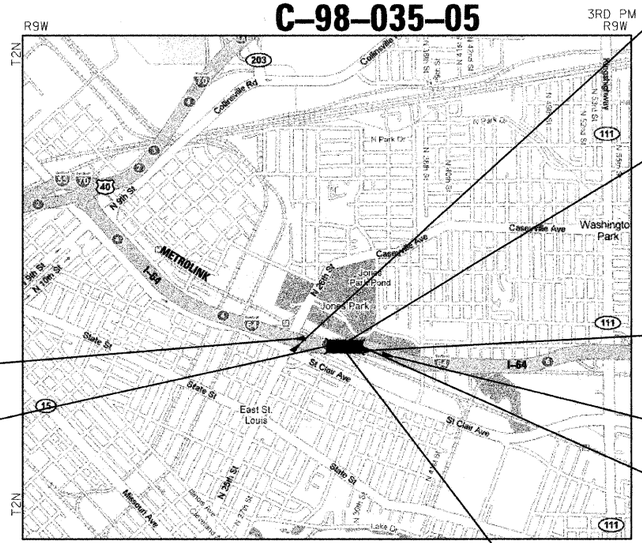
D-98-017-05

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

F.A.I. ROUTE 64 (I-64 OVER METROLINK)
SECTION 82-2VB-2
PROJECT ACBHI-064-1(123)002
SUPERSTRUCTURE REPLACEMENT
ST. CLAIR COUNTY
C-98-035-05

INDEX OF SHEETS

△1 *114A, -114G, SOIL BORINGS



LAYOUT
0 FT 2,000 FT 4,000 FT 6,000 FT
1" = 2,000 FEET

STATION EQUATION
STA.124 + 65.72(BK) =
STA. 124 + 65.39(AH)

PROP. SN 082-0163 (WB)
BRIDGE SECTION 82-2VB-2
℄ STA. 135 + 02.71
486' – 0 1/4" BACK TO BACK

STATION EQUATION
STA.145 + 63.92(BK) =
STA. 145 + 64.48(AH)

BEGIN SECTION
STA. 121 + 95.44 (EB)

BEGIN PROJECT
STA. 134 + 03.44 (EB)

END SECTION
STA. 151 + 87.48 (EB)

END PROJECT
STA. 138 + 89.46 (EB)

PROP. SN 082-0162 (EB)
BRIDGE SECTION 82-2VB-2
℄ STA. 136 + 46.45
486'– 0 1/4" BACK TO BACK

LOCATION OF SECTION INDICATED THUS: –

PROJECT ENGINEER – PATTI LEBEAU (618) 346-3179
PROJECT MANAGER – ART MUEHLFELD (618) 346-3209

100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

CONTRACT NO. 76867

	PRESENT (2009)	FUTURE (2029)
ADT	78,342	95,592
% SU	3.0%	3.0%
% MU	10.5%	10.5%

GROSS LENGTH = 486.02' (0.092 MILES)
NET LENGTH = 486.02' (0.092 MILES)

DESIGN DESIGNATION N/A

THOUVENOT, WADE & MOERCHEN, INC.
CORPORATE OFFICE
4940 Old Collinsville Road
Swansea, Illinois 62226
Tel: 618.624.4488
Fax: 618.624.6688
SWANSEA • WATERLOO • EDWARDSVILLE • CARBONDALE • ST. CHARLES

TWM
EXCEPTIONAL SERVICE. NOTHING LESS.

SHEILA J. KIMLINGER 49175 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

Sheila J. Kimlinger 8/7/09
SHEILA J. KIMLINGER, P.E. EXPIRATION DATE
LICENSE NO. 062-049175 11-30-2009

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 12 20 09
Mary C. Jamie
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER
October 2, 20 09
Charles J. Insprucker
ENGINEER OF DESIGN AND ENVIRONMENT
October 2, 20 09
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

△Rev. 10-20-09

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/8/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-1
Station SEE DRAWING
Offset
Ground Surface Elev. ft 415.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 391.2 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Cinders, Ashes, Coal with Trace of Fine Gravel (Fill)				
		9	NC	
410.5	-5			
Moist, Brown and Gray CLAY with Layers of Silt		10	1.56	
		14	1.70	
405.5	-10			
Moist, Brown and Gray SILT with Trace of Fine SAND		19		
403.0				
Moist, Fine Brown SAND with Trace of SILT		23	NC	
400.5	-15			
Moist, Fine Brown SAND with Trace of SILT		38	NC	
		43	NC	
395.5	-20			
Moist, Fine Brown SAND with Layers of Medium Coarse Sand and Trace of Silt		30	NC	
		41	NC	
▽	-25			
		34	NC	
388.0				
Moist, Fine Brown SAND with Layers of Medium Coarse Sand and Trace of Silt		56	NC	
	-30			
		58	NC	
		68	NC	
	-35			
379.0		81	NC	
End of Bore				
NOTE: Value in "Blows" column equals the "N" value of the soil sample	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Added Sheet 10-20-09

FILE NAME = P:\060601B\dgn\CADD Sheets\D876867-sht-borings.dgn	USER NAME = jstein	DESIGNED -	REVISED -
		DRAWN - JWS	REVISED -
	PLOT SCALE = 0:34.306 mi / in.	CHECKED -	REVISED -
	PLOT DATE = 10/16/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: NONE | SHEET NO. 1 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	114A
		CONTRACT NO. 76867		

FED. ROAD DIST. NO. 8 | ILLINOIS | FED. AID PROJECT

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/8/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-2
Station SEE DRAWING
Offset
Ground Surface Elev. ft 415.8 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 391.8 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
0				Black Cinders, Ashes, Coal with Trace of Fine Gravel (Fill)
	6	NC		
410.8 -5				Moist, Brown and Gray CLAY with Layers of Silt
	9	1.14		
408.3				Moist, Brown and Gray CLAY with Trace of Fine Sand
	11	1.32		
-10				
	10	1.38		
403.3				Moist, Fine Brown SAND with Trace of Silt
	16	NC		
-15				
	13	NC		
	13	NC		
395.8 -20				Moist, Fine Brown SAND with Layers of Medium to Coarse Sand with Trace of Silt
	28	NC		
393.3				Moist, Fine Brown SAND with Layers of Medium to Coarse Sand with Trace of Silt
	40	NC		
390.8 -25				Moist, Fine Brown SAND with Layers of Medium to Coarse Sand with Trace of Silt
	52	NC		
	54	NC		
-30				
	65	NC		
	61	NC		
380.8 -35				Moist, Fine Brown and Gray SAND with Trace of Silt
	75	NC		
	58	NC		
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/8/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-2
Station SEE DRAWING
Offset
Ground Surface Elev. ft 415.8 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 391.8 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
0				Moist, Fine Brown and Gray SAND with Trace of Silt *(continued)*
374.3	82	NC		
				End of Bore
				NOTE: Value in "Blows" column equals the "N" value of the soil sample
-45				
-50				
-55				
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Added Sheet 10-20-09

FILE NAME = P:\062601B\dgn\CADD Sheets\D876867-sht-borings.dgn	USER NAME = jstein	DESIGNED -	REVISED -
		DRAWN - JWS	REVISED -
	PLOT SCALE = 0:34.306 ft / in.	CHECKED -	REVISED -
	PLOT DATE = 10/16/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: NONE | SHEET NO. 2 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	114B
		CONTRACT NO. 76867		
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/9/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-3
Station SEE DRAWING
Offset
Ground Surface Elev. ft 412.6 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 409.3 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Cinders, Ashes, and Coal (Fill)			
410.1			
Moist, Grayish Brown CLAY	6	0.80	
407.6 -5			
Moist, Brown SILT with Trace of Fine Sand	13		
405.1			
Moist, Fine Brown SAND with Trace of Silt	18	NC	
-10			
	21	NC	
	28	NC	
397.6 -15			
Moist, Fine Brown SAND with Trace of Silt	39	NC	
395.1			
Moist, Fine Brown SAND with Trace of Medium Coarse Sand and Silt	47	NC	
392.6 -20			
Moist, Medium to Coarse Brown Sand with Trace of Silt	37	NC	
390.1			
Moist, Medium to Coarse Brown Sand with Trace of Silt	53	NC	
387.6 -25			
Moist, Medium to Coarse Brown Sand with Trace of Silt	43	NC	
385.1			
Moist, Medium to Coarse Brown Sand with Trace of Silt	64	NC	
-30			
	93	NC	
378.6			
	72	NC	
End of Bore			
NOTE: Value in "Blows" column equals the "N" value of the soil sample			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/9/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-4
Station SEE DRAWING
Offset
Ground Surface Elev. ft 412.1 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 388.5 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Cinders, Ashes, Coal			
409.6			
Moist, Grayish Brown CLAY	7	0.81	
407.1 -5			
Moist, Fine Brown SAND with Trace of Silt	11	NC	
	16	NC	
402.1 -10			
Moist, Fine Brown SAND with Trace of Silt	37	NC	
	52	NC	
397.1 -15			
Moist, Medium to Coarse Brown SAND with Trace of Fine Gravel and Silt	49	NC	
	48	NC	
392.1 -20			
Moist, Medium to Coarse Brown SAND with Trace of Silt	51	NC	
	58	NC	
-25			
	50	NC	
	47	NC	
-30			
	72	NC	
380.6			
End of Bore			
NOTE: Value in "Blows" column equals the "N" value of the soil sample			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Added Sheet 10-20-09

FILE NAME = P:\060601B\dgn\CADD Sheets\D876867-sht-borings.dgn	USER NAME = jstein	DESIGNED -	REVISED -
		DRAWN - JWS	REVISED -
	PLOT SCALE = 0.34.306 m / in.	CHECKED -	REVISED -
	PLOT DATE = 10/16/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: NONE | SHEET NO. 3 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	114C

CONTRACT NO. 76867

FED. ROAD DIST. NO. 8 | ILLINOIS | FED. AID PROJECT

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/3/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-5
Station SEE DRAWING
Offset
Ground Surface Elev. ft 416.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 394.2 ft

DEPTH (ft)	Description	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	Limestone, Gravel, Cinders, Ashes, and Coal Fill			
413.8				
	Moist Cinders, Ashes, Coal, Fine Gravel (Fill)	7	NC	
-5		5	NC	
		4	NC	
406.3 -10	Moist, Brown SILT with Trace of Fine Sand and Clay	10		
		12		
401.3 -15	Moist Fine Brown SAND with Fine Layers of Silt	23	NC	
398.8	Moist, Fine Brown SAND with Trace of Silt	38	NC	
396.3 -20				
	Moist, Fine Brown SAND with Trace of Silt	25	NC	
393.8	Moist, Medium to Coarse Brown SAND with Trace of Silt	41	NC	
391.3 -25	Moist, Medium to Coarse Brown SAND with Trace of Silt	21	NC	
		30	NC	
386.3 -30	Moist, Medium to Coarse Brown SAND with Trace of Silt	50	NC	
		68	NC	
-35		54	NC	
378.8	Moist, Fine to Medium Gray SAND with Trace of Silt	81	NC	
377.3	End of Bore			
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/3/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-5
Station SEE DRAWING
Offset
Ground Surface Elev. ft 416.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 394.2 ft

NOTE: Value in "Blows" column equals the "N" value of the soil sample

-45
-50
-55
-60

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

⚠ Added Sheet 10-20-09

FILE NAME = P:\068601B\dgn\CADD Sheets\D876867-sht-borings.dgn	USER NAME = jstein	DESIGNED -	REVISED -
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	PLOT DATE = 10/16/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: NONE | SHEET NO. 4 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	114D
		CONTRACT NO. 76867		
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/3/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-6
Station SEE DRAWING
Offset
Ground Surface Elev. ft 416.7 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 393.4 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Limestone, Gravel (Fill)	414.2			
Moist, Cinders, Ashes, Coal with Trace of Fine Gravel (Fill)	411.7 -5	6	NC	
Moist, Coal, Cinders, Ashes, Fine Gravel with Trace of Gray Clay (Fill)	409.2	4	NC	
Moist, Brown and Gray SILT with Trace of Fine Sand and Clay	406.7 -10	8		
Moist, Brown and Gray SILT with Trace of Fine Sand and Clay	401.7 -15	11 16		
Moist, Fine Brown SAND with Layers of SILT	399.2	12	NC	
Moist, Fine Brown SAND with Trace of SILT	396.7 -20	17	NC	
Moist, Fine Brown SAND with Layers of SILT	391.7 -25	10 12	NC NC	
Moist, Medium to Coarse Brown SAND with Trace of Fine Silt and Gravel	389.2	47	NC	
Moist, Medium to Coarse Brown SAND with Trace of Fine Silt and Gravel	386.7 -30	53	NC	
Moist, Medium to Coarse Brown SAND with Layers of Fine Sand and Trace of Silt	381.7 -35	36 44	NC NC	
Moist, Medium to Coarse Brown SAND with Layers of Fine Sand and Trace of Silt	-40	78 47	NC NC	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/3/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-6
Station SEE DRAWING
Offset
Ground Surface Elev. ft 416.7 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 393.4 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Moist, Medium to Coarse Brown SAND with Layers of Fine Sand and Trace of Silt *(continued)*	371.7 -45	39 53	NC NC	
Moist, Fine to Medium Gray SAND with Trace of SILT	370.2	46	NC	
End of Bore				
NOTE: Value in "Blows" column equals the "N" value of the soil sample	-50 -65 -60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

⚠ Added Sheet 10-20-09

FILE NAME = P:\060601B\dgn\CADD Sheets\D876867-sht-borings.dgn	USER NAME = jstein	DESIGNED -	REVISED -
		DRAWN - JWS	REVISED -
	PLOT SCALE = 0:34.306 ft / in.	CHECKED -	REVISED -
	PLOT DATE = 10/16/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: NONE | SHEET NO. 5 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	114E

CONTRACT NO. 76867

FED. ROAD DIST. NO. 8 | ILLINOIS | FED. AID PROJECT

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/4/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-7
Station SEE DRAWING
Offset
Ground Surface Elev. ft 416.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. None Given ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Cinders, Ashes, Coal with Trace of Fine Gravel (Fill)				
408.7		5	NC	
Cinders, Ashes, Coal, Fine Gravel with Trace of Clay (Fill)	-5	5	NC	
406.2	-10	7	NC	
Moist, Brown SILT with Trace of Fine Sand and Clay		8		
403.7				
Moist, Brown SILT with Layers of Fine Sand		10		
401.2	-15			
Wet, Fine Brown SAND with Trace of Silt		17	NC	
396.2	-20	18	NC	
Moist, Fine Gray SAND with Trace of Silt		27	NC	
393.7				
Moist, Medium to Coarse Gray SAND with Trace of Silt	-25	48	NC	
391.2				
Moist, Fine Gray SAND with Layers of Medium to Coarse Sand and Trace of Silt		53	NC	
383.7	-30	61	NC	
Moist, Fine Gray SAND with Layers of Medium to Coarse Sand and Trace of Silt		53	NC	
381.2	-35	47	NC	
Moist, Fine Gray SAND with Layers of Medium to Coarse Sand and Trace of Silt		85	NC	
376.2	-40	63	NC	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/4/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-7
Station SEE DRAWING
Offset
Ground Surface Elev. ft 416.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. None Given ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Moist, Fine Gray SAND with Layers of Medium to Coarse Sand and Trace of Silt		47	NC	
374.7				
End of Bore				
NOTE: Value in "Blows" column equals the "N" value of the soil sample	-45			
	-50			
	-55			
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Added Sheet 10-20-09

FILE NAME = P:\060601B\dgn\CADD Sheets\076867-sht-borings.dgn	USER NAME = jstein	DESIGNED -	REVISED -
		DRAWN - JWS	REVISED -
	PLOT SCALE = 0.34.306 mt / in.	CHECKED -	REVISED -
	PLOT DATE = 10/16/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: NONE | SHEET NO. 6 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	114F
		CONTRACT NO. 76867		
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/7/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-8
Station SEE DRAWING
Offset
Ground Surface Elev. ft 415.7 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 393.6 ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Moist, Cinders, Ashes, Coal with Trace of Fine Gravel				
	410.7 -5	13	NC	
Moist, Cinders, Ashes, Coal with Trace of Clay (Fill)		10	NC	
	408.2			
Moist, Brown and Gray SILT with Trace of Fine Sand		6		
	-10			
		7		
	403.2			
Moist, Fine Brown and Gray SAND with Layers of Silt		8	NC	
	400.7 -15			
Moist, Fine Brown and Gray SAND with Layers of Silt		19	NC	
	398.2			
Moist, Fine Brown SAND with Trace of Silt		24	NC	
	-20			
Moist, Fine Brown SAND with Trace of Silt *(continued)*		28	NC	
	393.2			
Moist, Fine Brown SAND with Trace of Silt		31	NC	
	390.7 -25			
Moist, Medium to Coarse Brown SAND with Trace of Fine Gravel		38	NC	
		49	NC	
	385.7 -30			
Moist, Medium to Coarse Gray SAND with Trace of Silt		53	NC	
		89	NC	
	380.7 -35			
Moist, Medium to Coarse Gray SAND with Layers of Fine Sand		65	NC	
	376.7	53	NC	
End of Bore	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/7/58

ROUTE FAI 64 DESCRIPTION I-64 over Former L & N Railroad (Metrolink) LOGGED BY H.W. Lochner

SECTION 82-2VB LOCATION , SEC. , TWP. 2N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger - Washout HAMMER TYPE 140#

STRUCT. NO. 082-0162/0163
Station 135+78.67

BORING NO. 10B-8
Station SEE DRAWING
Offset
Ground Surface Elev. ft 415.7 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After 24 Hrs. 393.6 ft

NOTE: Value in "Blows" column equals the "N" value of the soil sample

-45
-50
-55
-60

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Added Sheet 10-20-09

FILE NAME = P:\060601B\dgn\CADD Sheets\D876867-sht-borings.dgn	USER NAME = jstein	DESIGNED -	REVISED -
		DRAWN - JWS	REVISED -
	PLOT SCALE = 0.34.306 ms / in.	CHECKED -	REVISED -
	PLOT DATE = 10/16/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: NONE | SHEET NO. 7 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-2VB-2	ST. CLAIR	153	114G
		CONTRACT NO. 76867		
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT		