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

SUPERSTRUCTURE REPLACEMENT

ST. CLAIR COUNTY

C-98-035-05

PROJECT ACBHI-064-1 (123)002

COVER SHEET

INDEX OF SHEETS

 \bigcirc

MIN O

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- **GENERAL NOTES, HIGHWAY STANDARDS, & COMMITMENTS**
- **SUMMARY OF QUANTITIES**
- **TYPICAL SECTIONS**
- SCHEDULE OF QUANTITIES
- ALIGNMENT, TIES, AND BENCHMARKS 12
- 13 15 REMOVAL PLAN SHEETS
- PLAN AND PROFILE SHEETS 16 - 18
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- TRAFFIC CONTROL PLAN (STAGE I, II, & III) 20 - 41
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- DRAINAGE PLAN AND PROFILE SHEETS
- **PLAT OF HIGHWAYS**
- **PAVEMENT MARKING PLAN SHEETS**
- LIGHTING DETAILS
- 56 114 BRIDGE PLANS
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- 131 153 CROSS SECTIONS

*114A, - 114G, SOIL BORINGS

PROJECT ENGINEER - PATTI LEBEAU (618) 346-3179

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.

> **PRESENT FUTURE** (2029)(2009)ADT 78,342 95,592 % SU 3.0% 3.0%

% MU

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 Boad Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688 SWANSEA • WATERLOO • EDWARDSVILLE • CARBONDALE • ST. CHARLES

(111)

4. STA. 136 + 46.45

486'- 0 1/4" BACK TO BACK

STATION EQUATION STA.124 + 65.72(BK) =

PROP. SN 082-0163 (WB) **BRIDGE SECTION 82-2VB-2**

486'- 0 1/4" BACK TO BACK

STA. 124 + 65.39(AH)

£ STA. 135 + 02.71

STATION EQUATION STA.145 + 63.92(BK) =

STA. 145 + 64.48(AH)

STA. 151 + 87.48 (EB)

END PROJECT STA. 138 + 89.46 (EB) 82-2VB-2 ST. CLAIR 153 160

D-98-017-05



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

SUBMITTED August 12 20 09

Charles G. Shyersoly R. ENVIRONMENT

Christine M. Reed Ko DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

1 Aev. 10-20-09

PROJECT MANAGER - ART MUEHLFELD (618) 346-3209 **BEGIN SECTION** STA, 121 + 95.44 (EB) **BEGIN PROJECT** STA. 134 + 03.44 (EB) LAYOUT PROP. SN 082-0162 (EB) **BRIDGE SECTION 82-2VB-2**

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

10.5%

Sheila Rimlinger SHEILA KIMLINGER, P.E. EXPIRATION DATE LICENSE NO. 062-049175 11-30-2009

CONTRACT NO. 76867



Page <u>1</u> of <u>1</u>

	litinois Department of Transp								Date		8/58
							er L & N Railroad (Metrolink) LC	GGED B	Y <u>H.</u>	W. Lo	chne
SECTION _	82-2VB	ro	CAT	ION _	, SEC.	, TWI	P. 2N, RNG. 9W, 3 PM				
COUNTY	St. Clair Di	RILLING	ME	THOD	Ho	ollow S	tem Auger - Washout HAMMER TY	PE	14	40#	
Station	082-0162/0163 135+78.67		D E P	0	U C S	M 0 1	Surface Water Elev. f Stream Bed Elev. f	t D E P	B L O	UCS	N C
Offset	10B-1 SEE DRAWING		H	w s	Qu	S	Groundwater Elev.: First Encounter Upon Completion	t	W S	Qu	3
Ground Surf	ace Elev. ft 415.5	ft	(ft)	(/6")	(tsf)	(%)	After 24 Hrs. 391.2 f	t ¥ (ft)	(/6")	(tsf)	(%
Black Cinders Trace of Fine	, Ashes, Coal with Gravel (Fill)						Moist, Fine Brown SAND with Layers of Medium Coarse Sand and Trace of Silt		30	NC	·
					'			-			
			_	9	NC				41	NC	
		410.5						₹_		110	
Moiet Brown	and Gray CLAY with		0	10	1.56			-25			
Layers of Silt	and Glay CLAT Will			10	1.00				34	NC	
								88.0			
				14	1.70		Moist, Fine Brown SAND with		56		
			_				Layers of Medium Coarse Sand and Trace of Silt			NC	
		405.5	-10			i		-30			
Moist, Brown a	and Gray SILT with		\dashv	19					58		
										NC	
	·	403.0	_								
Moist, Fine Br Trace of SILT	own SAND with	,		23	NC			· -	68	NC	*****
		400.5	-							.,,	,
Moiet Fine Br	own SAND with	400.0	-18	38				35			
Trace of SILT	JAN OAND WRIT			30	NC		3	79.0	81	NC	
							End of Bore				
				43	NC		NOTE: Value in "Blows" column equals the "N" value of the soil				
		-					sample			1	

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)

FILE NAME =	USER NAME = jstein	DESIGNED -	REVISED -	
P:\060601B\dgn\CADD Sheets\D876867-sht	porings.dgn	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

_					△ Added S	heet 10-2	20-09	
		DODING LOGG		F.A.[. RTE.	SECTION	COUNTY	TOTAL	SHEE NO.
		BORING LOGS		64	82-2VB-2	ST. CLAIR	153	114A
	SCALE: NONE	SHEET NO. 1 OF 7 SHEETS STA.	TO STA.	FED. RO	AD DIST. NO. 8 ILLINOIS FED. A	CONTRAC	NO. 7	76867



Page <u>1</u> of <u>2</u>

	Division of Highways Hillnois Department of Transp	and the same	711				U	Date	4/1	8/58
ROUTE			1-6	64 over	Forme	er L & N Railroad (Metrolink)	LOGGED E	Y <u>Н.</u>		
SECTION	82-2VB	LOCA	ATION _	, SEC.	. , TWF	2. 2N, RNG. 9W, 3 PM				
COUNTY	St. Clair DI	RILLING I	METHOD	<u> </u>	ollow S	tem Auger - Washout HAMMER	TYPE	1	40#	
Station BORING NO. Station Offset	082-0162/0163 135+78.67 10B-2 SEE DRAWING ace Elev. ft 415.8		D B L P O W H S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After 24 Hrs. 391.8	_ft F T H	U W S	U C S Qu (tsf)	M O I S T (%)
Black Cinders Trace of Fine	, Ashes, Coal with Gravel (Fill)					Molst, Fine Brown SAND with Layers of Medium to Coarse Sand with Trace of Silt	393.3	28	NC	
Account of the second of the s			6	NC		Moist, Fine Brown SAND with Layers of Medium to Coarse Sand with Trace of Silt	▼	40	NC NC	
Moist, Brown a	and Gray CLAY with		9	1.14		Moist, Fine Brown SAND with Layers of Medium to Coarse Sand with Trace of Silt	390.8 -2	52	NC	
Moist, Brown a Trace of Fine	and Gray CLAY with Sand		- 11 - 11	1.32				54	NC	
			10	1.38			3 	65	NC	
Moist, Fine Br	own SAND with	403.3	16	NC				61	NC	
		*****	13	NC		Moist, Fine Brown and Gray SAND with Trace of Silt	380.8 -3	75	NC	
		_	13					58		
			7	NC			-	1	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)



SOIL BORING LOG

Page 2 of 2

ROUTE FAI 64 DESCRI	PTION		1-6	4 over	Forme	er L & N Railroad (Metro	link) LOGGED B	Y H.W. Lochn
SECTION 82-2VB	LOC	ATI	ON _	, SEC.	, TWF	P. 2N, RNG. 9W, 3 PM		
COUNTY St. Clair DRI	LLING	ME	THOD	Ho	ollow S	tem Auger - Washout	HAMMER TYPE	140#
STRUCT. NO. 082-0162/0163	[D	В	U	М	Surface Water Elev.	ft	
Station 135+78.67	-	E P	O L	. C S	0	Stream Bed Elev.	ft	
STATION SEE DRAWING	-	T H	W	Qu	S	Groundwater Elev.: First Encounter	ń	
Offset Ground Surface Elev. ft 415.8	- ft	(ft)	(/6")	(tsf)	(%)	Upon Completion	ft	
loist, Fine Brown and Gray	_ 11	(1.0)	(0)	(101)	(70)	After 24 Hrs.	391.8 ft 🔽	
AND with Trace of Silt continued)			82	NC				
	374.3			140				
nd of Bore								
OTE: Value in "Blows" column quals the "N" value of the soil	-	_						
ample	-							
		-45						
	•	_						**
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	-					,		
	_	-						
		-50						
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	-	-55 						
	-	_						
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		-						
	-	コ						
	-	\dashv						
		-60						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Buige, 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)

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

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE:

								<u> A</u> Haae	a sneet i	0-20-6	29
		200		0 100			F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEE NO.
		BOR	IN	G LOG	iS		64	82-2VB-2	ST. CLAIR	153	114E
									CONTRAC	I NO.	76867
NONE	SHEET NO.	2 OF	7	SHEETS	STA.	TO STA.	FED. RO	AD DIST. NO. 8 ILLINOIS FED. A	ID PROJECT		



	initions Department of Transportation	<u> </u>
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	:

SECTION 82-2VB	LO	CATI	ON _	, SEC.	, TWF	P. 2N, RNG. 9W, 3 PM				
COUNTY St. Clair	RILLING	ME	THOD	Hc	ollow S	tern Auger - Washout HAMMER TYPE		1.	40#	
STRUCT. NO. 082-0162/0163 Station 135+78.67 BORING NO. 10B-3 Station SEE DRAWING Offset Ground Surface Elev. ft 412.6		D E P T H (ft)	W S	U C S Qu (tsf)	M O I S T	Surface Water Elev. ft Stream Bed Elev. ft Groundwater Elev.: First Encounter ft Upon Completion ft After 24 Hrs. 409.3 ft	D E P T H	U W S	U C S Qu (tsf)	M O I S T
Black Cinders, Ashes, and Coal (Fill)	•		¢			Moist, Medium to Coarse Brown Sand with Trace of Silt		37	NC	
Moist, Grayish Brown CLAY	410.1	¥_	6	0.80		390.1 Moist, Medium to Coarse Brown Sand with Trace of Silt		53	NC	
Moist, Brown SILT with Trace of	407.6	-5	13			387.6 Moist, Medium to Coarse Brown	-25	43		
Fine Sand	405.1					Sand with Trace of Silt		43	NC	
Moist, Fine Brown SAND with Trace of Silt	-		18	NC		Moist, Medium to Coarse Brown Sand with Trace of Silt		64	NC	
	-	-10	21	NO			30	93		
	-			NC					NC	
	,		28	NC		376.6		72	NG	
Moist, Fine Brown SAND with Trace of Silt	397.6	-15	39	NC		End of Bore NOTE: Value in "Blows" column equals the "N" value of the soil	35 			
44.4.5	395.1					sample				
Moist, Fine Brown SAND with Trace of Medium Coarse Sand and Silt	-		47	NC						
	392.6	-20	1				-40			

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Buige, 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)



SOIL BORING LOG

Page <u>1</u> of <u>1</u>

ROUTE FAI 64 DESC	RIPTIO	N	1-6	4 over	Form	er L & N Railroad (Metrolink)	LOGGE	DBY	_H.\	N. Loc	chr
SECTION 82-2VB	LO	CATI	ON _	, SEC.	, TWI	P. 2N, RNG. 9W, 3 PM		··· · · · · · · · · · · · · · · · · ·			
COUNTY St. Clair D	RILLING	3 ME	THOD	Hc	llow S	tem Auger - Washout HAMMER	TYPE _		14	10#	
STRUCT. NO. 082-0162/0163 Station 135+78.67 BORING NO. 10B-4 Station SEE DRAWING Offset Ground Surface Elev. ft 412.1	<u> </u>	D E P T H	B L O W S	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After _24 Hrs. 388.5	_ ft	T H	B L O W S	U C S Qu (tsf)	
Cinders, Ashes, Coal					-	Moist, Medium to Coarse Brown SAND with Trace of Silt	-		51	NC	
	409.6						•				
Moist, Grayish Brown CLAY			7	0.81	,		1	₽-	58	NC	
	407.1	-5						-25			
Moist, Fine Brown SAND with Trace of Silt			11	NC		·		1	50	NC	
							_	=			
			16	NC			-		47	NC	
	402.1	-10					-	-30			
Moist, Fine Brown SAND with Trace of Silt			37	NC			380.6	1	72	NC	
•						End of Bore	-	\dashv			
		_	52	NG		NOTE: Value in "Blows" column equals the "N" value of the soil sample					
Molek Madium A. O.	397.1	-15					<u>-</u>	-36		-	
Moist, Medium to Coarse Brown SAND with Trace of Fine Gravel and Silt		\dashv	49	NC			-	=			
	,		48			•	-				
		\dashv	40	NC			. 4	\exists			
	392.1	-20	l	Ì				-40	- 1		

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)

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P:\060601B\dgn\CADD Sheets\D876867-sht-	borings.dgn	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**

SCALE:

					Added	Sheet 10.	20-0	7
	DODING 1			F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEE NO.
	BORING LO	GS		64	82-2VB-2	ST. CLAIR	153	1140
	,					CONTRAC	NO.	76867
NONE	SHEET NO. 3 OF 7 SHEET	STA.	TO STA.	FED. RO	AD DIST. NO. 8 ILLINOIS FED. A	ID PROJECT		

(93)	Illinois Department
(A)	of Transportation

SOIL BODING LOC

Page <u>1</u> of <u>2</u>

Of Transpo	rtatio	n		20	JIL BURING LUG			
Division of Highways illinois Department of Transp		1.0	4		er L & N Railroad (Metrolink) LOGGED E		4/:	
							W. LOC	onner
					P. 2N, RNG. 9W, 3 PM			************
COUNTY St. Clair D	RILLING N	METHOD	<u> </u>	ollow S	Stern Auger - Washout HAMMER TYPE	1	40#	
STRUCT. NO. 082-0162/0163 Station 135+78.67	E	B L O	U C S	MO	Surface Water Elev. ft Stream Bed Elev. ft P	B L O	U C S	M 0
Station SEE DRAWING Offset	l l		Qu	S	Groundwater Elev.: T First Encounter ft Upon Completion ft	w s	Qu	S
Ground Surface Elev. ft 416.3	ft (f	t) (/6")	(tsf)	(%)	After <u>24</u> Hrs. <u>394.2</u> ft (ft)	(/6")	(tsf)	(%)
Limestone, Gravel, Cinders, Ashes, and Coal Fill	-				Moist, Fine Brown SAND with Trace of Silt	25	NC	
	413.8				393.8	-		
Moist Cinders, Ashes, Coal, Fine Gravel (Fill)		7	NC		Moist, Medium to Coarse Brown SAND with Trace of Silt	41	NC	
		-5			391.3 -24	<u>.</u>		
		5	NC		Moist, Medium to Coarse Brown SAND with Trace of Silt	21	NC	
		4	NC			30	NC	
4.0.4.4	406.3	10			386.3 -30	,		
Moist, Brown SILT with Trace of Fine Sand and Clay		10			Moist, Medium to Coarse Brown SAND with Trace of Silt	50	NC	
							.,,,	
		12				68		
		-				-	NC	
	401.3	15						
Moist Fine Brown SAND with Fine Layers of Silt		23	NC.			54	NC	
**************************************	398.8	1			378.8			
Moist, Fine Brown SAND with Trace of Silt		38	NC		Moist, Fine to Medium Gray SAND with Trace of Silt 377.3	81	NC	

The Unconfined Compressive Strength (UCS) Fallure 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)

End of Bore

BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page <u>2</u> of <u>2</u>

ECTION						2. 2N, RNG. 9W, 3 PM	olink) LOGGED BY	.,,
							HAMMER TYPE	140#
FRUCT. NO. 0	82-0162/0163	D E P	B L O	U C S	M O I	Surface Water Elev. Stream Bed Elev.	ft	
ORING NO. Station SE	10B-5 E DRAWING	H	W	Qu	S	Groundwater Elev.: First Encounter Upon Completion	ft	
Fround Surface El	,	ft (ft)	(/6")	(tsf)	(%)	After 24 Hrs.		
OTE: Value in "Blo juals the "N" value mple	of the soil							
						ą		
		-45			-			
	•							
		-50			Î			
				·				
		-						
		-55						
	*	-				l		

The Unconfined Compressive Strength (UCS) Falture Mode is indicated by (B-Buige, 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)

FILE NAME =	USER NAME = jstein	DESIGNED -	REVISED -
P:\060601B\dgn\CADD Sheets\D876867-sht-	parings.dgn	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**

				<u> </u>	ed Sheet	10-20	-09
	10 1000		F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
BOKIL	IG LOGS	64	82-2VB-2	ST. CLAIR	153	114D	
					CONTRACT	NO.	76867
SCALE: NONE SHEET NO. 4 OF T	' SHEETS STA.	TO STA.	FED. ROA	D DIST. NO. 8 ILLINOIS FED. AL	ID PROJECT		



Page <u>1</u> of <u>2</u>

Date	4/3/58

						P. 2N, RNG, 9W, 3 PM					
STRUCT. NO. 082-0162/0163		D	В	U	M	1		а	14 B	40# U	M
Station 135+78.67		E	ō	C	0	Surface Water Elev. Stream Bed Elev.	π ft	E	٠ ١	C	0
BORING NO. 10B-6 Station SEE DRAWING Offset		H		Qu	S	Groundwater Elev.: First Encounter Upon Completion	_ ''	H	W S	Qu	S
Ground Surface Elev. ft 416.7	ft	(ft)	(/6")	(tsf)	(%)	After 24 Hrs. 393.4	_ft 🛂	(ft)	(/6")	(tsf)	(%
Limestone, Gravel (Fill)				-		Moist, Fine Brown SAND with Layers of SILT	-	_	10	NC	
	414.2										
Moist, Cinders, Ashes, Coal with Trace of Fine Gravel (Fill)			6	NC				₹_	12	NC	
A-44	411.7	-5					391.7	25			
Moist, Coal, Cinders, Ashes, Fine Gravel with Trace of Gray Clay		-	4	NC		Moist, Medium to Coarse Brown SAND with Trace of Fine Silt and			47	NC	
(Fill)	409.2					Gravel	389.2	\exists			
Moist, Brown and Gray SILT with Trace of Fine Sand and Clay			8			Moist, Medium to Coarse Brown SAND with Trace of Fine Silt and Gravel			53	NC	
	406.7	-10				Gravei	386.7	-30			
Moist, Brown and Gray SILT with Frace of Fine Sand and Clay			11			Moist, Medium to Coarse Brown SAND with Layers of Fine Sand and Trace of Silt			36	NC	
						and made of one		_			
·			16						44	NG	
·	401.7	-15					381.7	-35			
Moist, Fine Brown SAND with ayers of SILT			12	NC		Moist, Medium to Coarse Brown SAND with Layers of Fine Sand		\neg	78	NC	
	399.2					and Trace of Silt		\exists			
Moist, Fine Brown SAND with	-	_	.17	NC					47	NC	
	396.7	-20						\exists		INC	

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)

REVISED

BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page <u>2</u> of <u>2</u>

Date 4/3/58

COUNTY St. Clair DRILLIN	IG ME	THOD	Ho	ollow S	Stem Auger - Washout	HAMMER TYPE	140#
STRUCT. NO. 082-0162/0163 Station 135+78.67	D E P	B L O	UCS	M O I	Surface Water Elev. Stream Bed Elev.	ft	-
SORING NO. 10B-6 Station SEE DRAWING Offset	H	S	Qu	S T	Groundwater Elev.: First Encounter Upon Completion	ft ft	
Ground Surface Elev. ft 416.7 ft Moist, Medium to Coarse Brown	(11)	(/6")	(tsf)	(%)	After 24 Hrs.	393.4 ft ¥	
SAND with Layers of Fine Sand and Irace of Silt (continued)		39	NC				
	<u></u>						
		53	NC				
,	7 -45						
Noist, Fine to Medium Gray SAND with Trace of SILT 370.2		46	NC				
End of Bore							
IOTE: Value in "Blows" column quals the "N" value of the soil ample							
ample	-50			·	·	•	
				:			
	-65		٠.				
	<u>-55</u>						
			-				
	_						

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)

DATE

PLOT DATE = 10/16/2009

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

			<u> </u>	LECT CITIES	.0 2	, , ,
		F.A.[. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
BORING LO	iS	64	82-2VB-2	ST. CLAIR	153	114E
	· · · · · · · · · · · · · · · · · · ·			CONTRACT	NO. 7	76867
NONE SHEET NO. 5 OF 7 SHEETS	STA. TO ST	TA. FED. RO	AD DIST. NO. 8 ILLINOIS FED. AI	D PROJECT		

Added Sheet 10-20-09



Page <u>1</u> of <u>2</u>

Date 4/4/58

	ro, tuttori									
						er L & N Railroad (Metrolink) LO	GGED	BY H	W. Lo	chne
SECTION 82-2VB	LO	CATI	ON _	, SEC.	, TWI	P. 2N, RNG. 9W, 3 PM				
COUNTY St. Clair DF	RILLING	ME	THOD	Hc	ollow S	Stem Auger - Washout HAMMER TY	PE	1	40#	
STRUCT. NO. 082-0162/0163 Station 135+78.67		D E P T	O	U C S	M 0 1	Surface Water Elev. f	t E		U C S	M
BORING NO. 10B-7 Station SEE DRAWING Offset Ground Surface Elev. ft 416.2		H.	s	Qu (tsf)	S T (%)	Groundwater Elev.: First Encounter Upon Completion f After 24 Hrs. None Given f	t		Qu (tsf)	S T
Cinders, Ashes, Coal with Trace						Moist, Fine Gray SAND with Trace	. 1	27		
of Fine Gravel (Fill)						of Silt			NC	_
			5			Moist, Medium to Coarse Gray	93.7	48		-
				NC		SAND with Trace of Silt			NC	-
		<u>.</u> 5	5			Moist, Fine Gray SAND with	391.2 -	53		
	400 7			NC		Layers of Medium to Coarse Sand and Trace of Silt]	NC	_
Cinders, Ashes, Coal, Fine Gravel with Trace of Clay (Fill)	408.7		7					61		
with frace of Olay (Fill)	406.2	-10		NC				30	NC	-
Moist, Brown SILT with Trace of Fine Sand and Clay			8					53	NC	
· · · · · · · · · · · · · · · · · · ·	403.7					3	83.7			
Moist, Brown SILT with Layers of Fine Sand			10			Moist, Fine Gray SAND with Layers of Medium to Coarse Sand and Trace of Silt		47	NC	
	401.2	-15					81.2 -{	35		
Wet, Fine Brown SAND with Trace of Silt			17	NC		Moist, Fine Gray SAND with Layers of Medium to Coarse Sand and Trace of Silt	-	85	NC	
	•							-		
			18	NC			-	63	NC	
	396.2	-20				3	76.2 -4	10		

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)



SOIL BORING LOG

Page 2 of 2

Date AIAISR

						. 2N, RNG. 9W, 3 PM			
COUNTY St. Clair DR	ILLING	METI	don	Hc	llow S	tem Auger - Washout	HAMMER TYP	PE	140#
STRUCT. NO. 082-0162/0163 Station 135+78.67	_	D E P	BLO	U C S	M 0 1	Surface Water Elev. Stream Bed Elev.			
10B-7	_	H	W S	Qu	S	Groundwater Elev.: First Encounter Upon Completion	ft		
Ground Surface Elev. ft 416.2	ft	(ft) ((/6")	(tsf)	(%)	After 24 Hrs.	None Given ft		
Moist, Fine Gray SAND with ayers of Medium to Coarse Sand and Trace of Silt	374.7	1	47	NC	-				
End of Bore	-	1							
NOTE: Value in "Blows" column quals the "N" value of the soil ample	-					·			
·	• *	-45							
	· ·	\exists							
	-								
		1							
		-50							
	-	4							
		-55							
						:			
		1	ł		l				
	_								

The Unconfined Compressive Strength (UCS) Fallure 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)

FILE NAME =	USER NAME = jstein	DESIGNED -	REVISED -	
P:\060601B\dgn\CADD Sheets\D876867-sht-	porings.dgn	DRAWN - JWS	REVISED -	STATE OF ILLINO
	PLOT SCALE = 0:34.306 mt / 10.	CHECKED -	REVISED -	DEPARTMENT OF TRANSI
	PLOT DATE = 10/16/2009	DATE -	REVISED -	

NOIS SPORTATION

		A Ada	ded Sheet	10-20-09
		SECTION	COUNTY	TOTAL SHEET SHEETS NO.
BORING LOGS	64	82-2VB-2	ST. CLAIR	153 114F
			CONTRAC	T NO. 76867
SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.	FED. ROAD D	IST. NO. 8 ILLINOIS FED.	AID PROJECT	



Page <u>1</u> of <u>2</u>

Division of Highways fillinois Department of Transp	/I ECLLI portation	VI.	•		<u> </u>	SIE BOITING LOG	Date	4/	/7/58
		١	1-6	4 over	Form	er L & N Railroad (Metrolink) LOGGED	в у <u>н</u>	.W. Lo	chnei
SECTION 82-2VB	LO	CAT	ION _	, SEC	. , TW	P. 2N, RNG. 9W, 3 PM			
COUNTY St. Clair D	RILLING	ME	THOD	<u> </u>	ollow S	Stem Auger - Washout HAMMER TYPE	1	40#	
STRUCT. NO. 082-0162/0163 Station 135+78.67 BORING NO. 10B-8 Station SEE DRAWING Offset Ground Surface Elev. ft 415.7		D E P T H	B L O W S	C S Qu	M O ! S T	Surface Water Elev. ft Stream Bed Elev. ft F F F F F F F F F F F F F F F F F F	LOW	U C S Qu (tsf)	M O I S T
	π	((0)	(101)	(70)	Moist, Fine Brown SAND with		(151)	(%)
Moist, Cinders, Ashes, Coal with Trace of Fine Gravel						Trace of Silt (continued)	28	NC	
					,	393.2]		
	•		13	NC	-	Moist, Fine Brown SAND with	31	NC	
	410.7	 -5				390.7 -£) (F)	INC	
Moist, Cinders, Ashes, Coal with Trace of Clay (Fill)			10	NC		Moist, Medium to Coarse Brown SAND with Trace of Fine Gravel	38	NC	
	408.2						_	1.0	
Moist, Brown and Gray SILT with Trace of Fine Sand			6				49	NC	
		-10				385.7 -3	<u>so</u>		
			7			Moist, Medium to Coarse Gray SAND with Trace of Silt	53	NC	
	403.2	_				-			
Moist, Fine Brown and Gray SAND with Layers of Silt			8	NC			69	NC	
	400.7	-15				380.7 -3	5		
Moist, Fine Brown and Gray SAND with Layers of Silt	-		19	NC	-	Moist, Medium to Coarse Gray SAND with Layers of Fine Sand	65	NC	
	398.2	_		. ,	-		1		
Moist, Fine Brown SAND with Trace of Silt	•		24	NC			53	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)

End of Bore

BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 2 of 2

Date 4/7/58

ROUTE FAI 64 DESCRIPTION 1-64 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#

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

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)

FILE NAME =	USER NAME = jstein	DESIGNED -	REVISED -	
P:\060601B\dgn\CADD Sheets\D876867-sht-	porings.dgn	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

		\triangle Added	Sheet 10	-20-	09
Parillo Loca		SECTION	COUNTY	TOTAL	SHEET NO.
BORING LOGS	64	82-2VB-2	ST. CLAIR	153	114G
			CONTRACT	NO.	76867
SCALE: NONE SHEET NO. 7 OF 7 SHEETS STA. TO STA.	FED. RO	AD DIST. NO. 8 ILLINOIS FED. AI	D PROJECT		