

April 12, 2017

SUBJECT: CH 55 (Woodburn Road) Section 12-00134-01-BR Madison County Contract No. 97646 Item 174 April 28, 2017 Letting Addendum (A)

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

- 1. Revised Index to the Special Provisions.
- 2. Added pages 65 71 to the Special Provisions.

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

Maureen M. Addis, P.E. Engineer of Design and Environment

Sutte abuchlyon RE.

By: Ted B. Walschleger, P.E. Engineer of Project Management

SPECIAL PROVISIONS

GVILLO BRIDGE COUNTY HIGHWAY 55 (WOODBURN ROAD) SECTION: 12-00134-01-BR BRIDGE REPLACEMENT MADISON COUNTY, ILLINOIS

DESCRIPTION OF WORK:
SHOP DRAWINGS
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT3
MADISON COUNTY PERMITS
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS (J.U.L.I.E.):
STATUS OF UTILITIES TO BE ADJUSTED4
CONSTRUCTION AND MAINTENANCE SIGN SUPPORTS:
TRAFFIC CONTROL AND PROTECTION:4
STONE DUMPED RIPRAP, CLASS A46
REMOVAL OF EXISTING STRUCTURES6
CONCRETE STRUCTURES7
SETTING PILES IN ROCK7
PIPE CULVERTS, CLASS C, TYPE AND DIAMETER SPECIFIED
DEPARTMENT OF THE ARMY 404 PERMIT 8
PAYROLLS AND PROCEDURES 23
SOIL BORING LOG 65

;

Contract No. 97646

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



Illinois Department of Transportation

Division of Highways SCI Engineering INC

SOIL BORING LOG

Date 06/14/16

ROUTE <u>C.H. 55</u>	DESCR	IPTIO	N <u>C.H</u>	. 55 ov	er Branch of East Fork - East of Pier 1 L	oggi	ED BY	<u>JT (</u>	MDI)
SECTION 77-00134-00BR	L	OCAT	ION _	Fost	erberg, Illinois				
COUNTY Madison DRILL	ING MET	HOD			HSA HAMMER TYPE		Auto	matic	
STRUCT. NO. Station BORING NO.	D E P T	B L O W	U C S	M O I S T	Surface Water Elev ft Stream Bed Elev ft Groundwater Elev.:	D E P T	B L O W S	U C S	M O I S T
Station 49+97 (Approx.) Offset 21 ft LT (Approx.) Ground Surface Elev. 506 +/-	ft (ft)	(/6")	(tsf)	۲ (%)	First Encounter <u>497.5</u> ft <u>↓</u> Upon Completion <u>ft</u> After Hrs. ft	(ft)	(/6")	(tsf)	(%)
SANDY LOAM: Brown, A-2									
		2 2 3		14	fragments, A-7		3 14 30	2.5 P	16
SANDY LOAM, Brown, A-2		1 2 1		22	SHALE: Gray, moderately soft		21 38 50/5"		12
		1 2		21	Becomes soft		24 12		11
SAND: Brown, A-3	<u>₹</u>	2 2 1	N/C	19	Becomes moderately soft		22		16
	-10	2	N/C		Becomes moderately soft	30	39 23		
		4 5	N/C	19			28 35		17
	-15	5 3 3	N/C	20	Becomes soft Becomes hard		36 \ <u>50/2"</u> /		14
		5 6 8	N/C	19			50/0.5ľ		
Wood, A-7		1 2 2	0.5 P	30	Becomes soft		32 50/3"		9

⁶⁵ The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99) ^{Added 4/12/2017}

Contract No. 97646

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

ROCK CORE LOG

Date 06/14/16

ROUTE	C.H. 55	[DESCRIPTIO	N <u>C.H. 55</u>	over Branch	of East Fo	ork - Eas	st of F	Pier 1	_ LO	GGED	BY JT	(MDI)
SECTION _	77-00134-												
COUNTY	Madison			R	Б	CORE	S						
STRUCT. NO			CORING B	ARREL TYPI	E & SIZE	NX		П	C	C C	к 0	т	I R F
Station			Core Dia	meter _	2.3	in		E	0	V		M	N
BORING NO. Station	B-101 49+97 (Appro	.)	Top of Ro Begin Co	ock Elev re Elev	466.0	ft ft		T	E	R		–	T
Offset Ground Sur	21 ft LT (Appr face Elev.	<u>ox.)</u> 506 ft						п (ft)	(#)	т (%)	(%)	(min/ft)	⊓ (tsf)
SHALE: Gray	y, soft, laminated	, moderately	to highly we	eathered			466.0		1	90	35	. ,	. ,
Becomes slig	htly weathered							-45					
Becomes hig	hlyweathered								2	60	50		
Decomes nig	my weathered												
SHALE: Gree		slightly wea	thered, som	e sand			4 <u>59.0</u>						
							456.0	-50					
Boring termin	ated at 50.0 ft.												
									r.				
								- <u>55</u>					
								60				1	

Color pictures of the cores Yes
Cores will be stored for examination until

Illinois Department of Transportation

Division of Highways SCI Engineering INC

Cores will be stored for examination until ______ 66 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

Contract No. 97646

Page $\underline{1}$ of $\underline{1}$

Illinois Department of Transportation

Division of Highways SCI Engineering, Inc.

ROUTE

SOIL BORING LOG

Date 08/19/16

	C.H. 55	DE	SCRI	PTION		C.H. 5	5 over Branch of East Fork - Pier 2	LOGGE	ED BY	CK	/AW
SECTION			_ L	OCAT	ION _	Foster	berg, Illinois				
COUNTY	Madison DRILL	ING	MET	THOD			CFA HAMMER TYPE		Auto	matic	
STRUCT. N Station	0		D E P	B L O	U C S	M O I	Surface Water Elev. ft Stream Bed Elev. ft	D E P	B L O	U C S	M O I
BORING NO Station _ Offset	D. B-102 50+68 30 ft Left of center line		T H	W S	Qu (tef)	S T	Groundwater Elev.: First Encounter None Observed ft Upon Completion ft	T H	W S ((6'')	Qu (tsf)	S T
FILL: Brow	n, clay loam, A-7	<u> </u>		(10)		(70)	COAL: Black (continued) SHALE: Gray, moderately hard,		(, 0,)	((0))	(70)
				2 2 3	1.0 P	15	signty weathered		20 42 50/3"		16
SANDY CL A-7	AY: Brown and gray,			3	 P	22			35 50/3" /		10
			<u>-5</u>	3			Trace rock fragments	<u>25</u> 	50/0"		
SHALE: Liç damp, high	ht brown and gray, soft, ly weathered			3 3 6	2.8 P	26	No rock fragments		50/3**/		_ <u> </u>
Becomes n moderately WEATHER shale	noderately hard, weathered ED LIMESTONE: With			15 50/3"		14			34 \ <u>50/2"</u> /		13
				\ <u>50/1"</u> /		3	Trace limestone fragments		50/3"		<u>13</u>
SHALE: Gr moderately	ay, moderately hard, weathered			28 34		11	WEATHERED LIMESTONE (Driller's Observation)		50/0.5"		
			- <u>15</u>	41			Auger refusal on limestone at 34.5 feet.	<u>-35</u> 			
Trace coal				30 _50/5"		14	Boring backfilled with bentonite to 34.5 ft.				
UUAL: Blad	СК			50/3"		17					
			-20					-40			

Soil Borings from Existing Bridge from July 1978, for reference only

Section 77-00134-00BR Route C.H. 55 over E. Wood River	Г	ork	-	A 1 P	fLAS Hills) hone	soils, INC. Date July 18, 19, poro, Illinois Boring Eng. D. - 532-3959 Drilling Tech. P. Page 1 of 1 She	Sitte Hum ets	on mer	t	
County Maddeda	FO	11	ND	ATI	ON	BORING LOG	1			•
Boring No. 1 Station 49+39.5 Offset 7,5' Rt.	Elevation	N	Qu(t/sf)	w(%)	Recovery	Surface Water El. 6 Groundwater El. at Completion Dry After 24 Hours -7.0'	N	Qu(t/sf)	w(%)	Recovery
Ground Surface 508.3 SANDY LOAM, DARK BROWN, Medium Stiff, Moist	0					- 20				
		8	NP	11.6	80	SANDY LOAM, GRAY, Med. Dense, Saturated E1, 485.3 SANDY LOAM WITH GRAVEL, GRAY,	16	NP	17.4	100
-5	1.1.1	4	1.07	23.7	100	Saturated (Very Stiff) - 25	25	NP	9.9	30
E1. 501.3	-		-			Hard 1"	100	NP		0
SAND, MEDIUM COARS BROWN, Very Loose, Saturated	Ε,	2	NP	18.7	60	E1. 480.3 SILTY LOAM, GRAY, Hard, Moist -30	78	S 5.43	16.3	4
Sec. 1	1 1						1	s		
36-16-	6	3	NP	18.3	40		127	5.3	3 16.3	
E1. 493.8	-	2	NP	16.3	40	E1. 473.8-35 6.25	100	5.3	811.9	6
Very Loose, Saturated	1 1 1	-	s			-	1			100
CLAY LOAM, GRAY, Still Saturated, Tr. of Grave	ff-, 1	9	3.25	19.0	40					
SILTY LOAM, GRAY, - Medium Stiff, -20	The state	7	B 1.55 1.16	22.	5 100	- 40 -	-	1		

Soil Borings from Existing Bridge from July 1978, for reference only

Route C.H. 55 over E. Fr Wood River County Madison	ork		1 	lills) hone	oro, Illinois Boring Eng. D. - 532-3959 Drilling Tech. P. Page 1 of 1 She	Sitto Ilum ets	n iner	t .	
FO	οu	ND	ATI	ON	BORING LOG		12	16	
Boring No. 2 6 Station 49+96 7 Offset 5' Lt. 8	N	Qu(t/sf)	w(%)	Recovery	Surface Water El. Groundwater El. at Completion Dry After 24 Hours -10.0	N	Qu(t/sf)	(%) M	Recovery
Ground Surface 508.2 0 SANDY LOAM, DARK BROWN,					- 20 E1. 487.7 SILTY LOAM WITH BLACK SHALE-		B		
Medium Stiff, Moist	2	NP	13.9	10%	AND GRAVEL,	13	1.36 1.36	25.2	90
EL. 505.2 SAND, MEDIUM COARSE, BROWN,		1			SILTY LOAM WITH GRAVEL, GRAY, Hard, Saturated	100	B-S	14.0	0.00
Very Loose, Moist_5 E1. 502.7	3	NP	9.0	10%	Bottom of Prop. Collar			14.0	80
SANDY LOAM, BROWN,	-	-			E1. 481.2	100		19.2	0
SANDY LOAM, GRAY,	3	NP	13.1	15%	AUGER REFUSAL			1	
10	4	NP	18.6	30%	-30				
E1, 496.2		NP	175	3086				1	1
GRAVEL, GRAY,			- Cave	-				100	1
-15	8	NP	15.3	30%	-35		1		
SANDY LOAM WITH GRAVEL, BROWN, Loose, Saturated EL 491.2		в		1			Haller.		*
CIAY LOAM, GRAY-BROWN MOTTLED, Stiff, Saturated, Trace	10	2.26	20.8	60%				1	
of Fine Gravel -20	10	B	24.7	50%	- 40 -		1		200

77-00134-00BR ATLAS SOILS, INC. Date July 20, 1978 Section D. Sitton Hillshoro, Illinois Boring Eng. C.H. 55 over E. Fork Route Wood River Phone - 532-3959 Drilling Tech. P. Hummert Page 1 of 1 Sheets Madison County FOUNDATION BORING LOG Elevation Surface Water El. evation Recovery Recovery Qu(t/sf) Boring No. Sf) w (%) (%) Groundwater El. at Station 50+76 2 3 Z Completion Dry 3 Offset & Roadway)nd After 24 Hours -17.5 1.2 Ground Surface 515.6 -20 TOPSOIL SILTY LOAM, DK. BR., M. Stiff, Moist E1. 494.85 SILTY LOAM WITH LIMESTONE SILTY CLAY LOAM, BROWN Layers - 2"-4" Thick, GRAY, Stiff, Moist 9 116.8 50% ----Hard, Moist E1. 512.6 SILTY CLAY LOAM W/ TR. Run 2 - 21.0 to 27.5 OF FINE GRAVEL, Very -30% Recovery Stiff, Moist (6" Fractured Limestone -25 -5 16 17.2 30% 1'3" Silty Loam) E1. 510.1 Bottom of Pile Core CLAY LOAM WITH FINE-EI. 490.34 GRAVEL, BROWN, Stiff, Moist 15.2 40% 8 -E1. 488.1 END OF EXPLORATION E1. 507.1 100% 100 ---6" SHALE, BLACK, Medium Hard -30 -10 E1. 503.6 73 -- 15,9 100% SILTY LOAM, GRAY, Hard, Moist 1" 100 -- 14.4 100% -35 -15 Bottom of Prop. Collar Bent 2 3.5 "100 -- 14.9 100% EI. 498. 34 E1. 497.6 SILTY LOAM W/ FINE GRAVEL, GRAY, Hard, 2" 100 -- 17.0 100% E1. 496.1 Moist 40 LIMESTONE, LT. -20 GRAY Run 1 19.5 to 21.0 100% Recove

Soil Borings from Existing Bridge from July 1978, for reference only

Route C.H. 55 over E. F Wood River County Madison	'ork		1 	Hillsh hone	oro, Illinois Boring Eng. D. Sitte - 532-3959 Drilling Tech. P. Hum Fage 1 of 1 Sheets	on	rt	
	ου	ND	AT1	ON	BORING LOG	-		
Boring No. 4 6 Station	N	Qu(t/sf)	w(%)	Recovery	Surface Water El. 5 Groundwater El. at Completion Dry 6 After 24 Hours -16.5 Cave n 14	Qu(t/sf)	w(%)	Recovery
Ground Surface 518.00 G TOPSOIL, SILTY LOAM, DK. BR. Med. Stiff, Moist CLAY LOAM, BROWN,					-20			
Stiff, Moist	14		18.1	50				
CLAY LOAM, BROWN,	16	B-S 2,86	18,8	60	- 25			
E1. 512.5 SILTY CLAY, BROWN- GRAY, MOTTLED,								
Stiff, Moist, Trace of Fine Gravel	14	B-S	12.7	40				
(Very Stiff) -10 E1. 507.5	22	4.22 3.64 B-S	22,8	60	-30			0
SHALE, BIACK, Medium Hard 2.5"		-		100	E	10-12	100	No. 1
E1. 505.0			23.6	100				14
Hard, Moist	131		15.3	75	-35			
5.	100		8.7	100	E T			
E1. 499.02	1		17,1	100				
AUGER REFUSAL					- 40			

Soil Borings from Existing Bridge from July 1978, for reference only