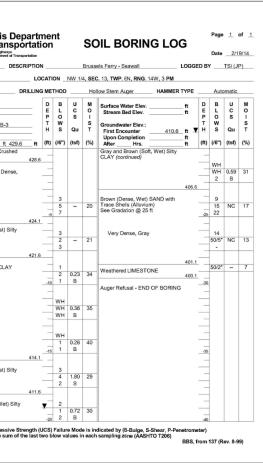
	epartment SOU BORING	Page 1 of 2	Illinois Depa	artment oou poo	
Of Transp Division of Highways Illinois Department of Tr	SOIL BORING L	Date	of Transport	tation	ING LOG
ROUTE Unmarked DE	SCRIPTION Brussels Ferry - Seawall LOCATION NW 1/4, SEC. 13, TWP. 6N, RNG. 14W, 3 P	LOGGED BYTSi (JS)	ROUTE Unmarked DESCRIF	PTION Brussels Ferry - Seawa LOCATION NW 1/4, SEC. 13, TWP. 6N, R	
		MER TYPEAutomatic	COUNTY Jersey DRIL	LLING METHOD Hollow Stem Auger	
STRUCT. NO	D B U M Surface Water Elev. E L C O Stream Bed Elev. P O S I	ft D B U M ft E L C O ft P O S I	STRUCT. NO	D B U M Surface Water E E L C O Stream Bed El P O S I	
BORING NO. B-1 Station	T W S Groundwater Elev.: H S Qu T First Encounter 4	T W S ⊔11.8 ft T H S Qu T	BORING NOB-2	T W S Groundwater El H S Qu T First Encounter	er406.8_ft 🗴
Offset Ground Surface Elev. <u>ft</u> 430 Asphalt Concrete over Crushed	d Brown and Gray (Medium Stif	ft (ft) (/6") (tsf) (%)	Offset Ground Surface Elev. <u>ft</u> 429.8 Asphalt Concrete over Crushed	tt (ft) (/6") (tsf) (%) Upon Complet AfterH Gray (Soft, Mois	Irsft st) Silty CLAY
rown (Medium Stiff, Moist) Sil	429.3 5 Ity 5 - 22	WH 0.13 30	Limestone	428.3 (Alluvium) (conti Trace Sand 8	
LOAM A-4(2) See Class @ 2 ft		407.3	Brown (Stiff, Moist) Silty LOAM A-4(0) See Class @ 5 ft		406.8
	426.3 3 Brown (Very Dense, Wet) SAI 2 0.86 22 with Trace Shells and Limesto	one 23 NC 19		5 Brown (Medium 6 0.49 20 SAND with som	ne Shells
Brown and Gray (Medium Stiff, Moist) Silty Clay LOAM A-6(8) See Class @ 10 ft	A S Pieces See Gradation @ 25 ft	-25 50/5*		424.3 5 7 B See Gradation (@ 25 ft
See Class @ 10 ft Gray 1* Sand Seam	3 2 0.82 23 3 S Gray	16 13 NC 9 47	Gray (Medium Stiff, Moist) Silty LOAM (Alluvium) A-4(4) See Class @ 7 ft	3 Trace Gravel 4 0.43 23 3 B	el & Limestone
		401.8		421.8	
	2 3 0.65 26 -10 3 S Weathered LIMESTONE	50/0* NR	Gray (Soft, Moist) Silty CLAY (Alluvium)	1 2 0.26 28 -10 2 B	400.
Soft	WH				red LIMESTONE 398.
Son	1 0.20 38 2 S		Gray (Soft, Moist) CLAY (Alluvium)	2 0.16 30 coring.	ued with rock.
	1 Borehole continued with rock	396.8 50/0" NR			
	1 0.18 35 15 1 S coring.			1 0.16 36 -16 2 B	
	WH			2	
	2 0.18 29 2 S			3 0.39 28 2 B 411.8	
			Gray (Soft, Moist) Silty CLAY	1	
	1 0.20 31 -20 2 S	-40	(Alluvium)	1 0.10 29 .20 2 B agth (UCS) Failure Mode is indicated by (B-Bul last two blow values in each sampling zone (A	
of Transp			Illinois Depa of Transport	artment tation ROCK CC	DRE LOG
Contraction of Highways Division of Highways Broute Unmarked DES	ROCK CORE LC nnreportation SCRIPTION Brussels Ferry - Seawall	Date2/18/14 LOGGED BYTSi (JS)	of Transport	tation ROCK CC talion PTION Brussels Ferry - Seawa	
of Transp Division of Highways Billinois Department of Tr	Contraction ROCK CORE LC manageoutlism SCRIPTION Brussels Ferry - Seawall LOCATION NW 1/4, SEC. 13, TWP, 6N, RNG, 14W, 3 P	Date _2/18/14 LOGGED BY TSI (JS) PM	of Transport	tation ROCK CC billion	NG. 14W, 3 PM
COUNTY Jersey STRUCT. NO.	CORING METHOD RUCK CORE LC SCRIPTION Brussels Ferry - Seawall LOCATION LOCATION CORING METHOD CORING BARREL TYPE & SIZE	Date 2/18/14 LOGGED BY TSI (JS) OM	ROUTE Unmarked DESCRIF SECTION COUNTY Jersey COR STRUCT. NO.	tation ROCK CC wine PTION Brussels Ferry - Seawa _ LOCATION NW 1/4, SEC. 13, TWP. 6N, R R RING METHOD	II LOG ING. 14W, 3 PM D C C
ROUTE Unmarked DE SECTION Jersey	CORING BARREL TYPE & SIZE	Date 2/18/14 LOGGED BY TSI (JS) M CORE S C . T C . T C . T C . T C . T C . T C . T C . M B . D C . M B . D B . D	COUNTY Jersey COR	tation ROCK CC wine PTION Brussels Ferry - Seawa LOCATION NW 1/4, SEC. 13, TWP. 6N, R R RING METHOD	all LOG RNG. 14W, 3 PM D C C E O P R F R
ROUTE Unmarked DES SECTION COUNTY Jersey STRUCT. NO. Station BORING NOB-1 Station Offset Ground Surface Elev. ft. 433	Corring ROCK CORE LC xmaxportation SCRIPTION Brussels Ferry - Seawall CORING METHOD CORING BARREL TYPE & SIZE D CORING BARREL TYPE & SIZE D Core Diameter D CORING BARREL TYPE & SIZE D D D D GROK Elev. D	Date 2/16/14_ LOGGED BY TSI JSS) PM T R CORE CO C C T C Q I E C Q F T P R E V V M N R P R P R V H H H H H H H	COUNTY COR Structor COR Structor COR Structor COR Structor B-2	Constraint ROCK CC New Brussels Ferry - Seawa LOCATION NW 1/4, SEC. 13, TWP. 6N, R RING METHOD	LOG RNG, 14W, 3 PM D C C E O C P R T E (ft) (#) (ft)
COUNTY	Control ROCK CORE LC servertation SCRIPTION Brussels Ferry - Seawall LOCATION _NW 1/4, SEC. 13, TWP. 6N, RNG. 14W, 3 P CORING METHOD CORING BARREL TYPE & SIZE D Core Diameter 2 in Top of Rock Elev. 3996.80 ft Begin Core Elev. 3996.80 ft	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	COUNTY COR SECTION COR COUNTY COR STRUCT. NO Station BORING NO Station Ground Surface Elev. ft. 429.8	Constraint ROCK CC New Brussels Ferry - Seawa LOCATION NW 1/4, SEC. 13, TWP. 6N, R RING METHOD	LOG RNG. 14W, 3 PM D C P P R T E (ft) (#) (f) 398.80 1 1
ROUTE Unmarked DES SECTION COUNTY Jersey STRUCT. NO. Station Offset Ground Surface Elev. ft. 433 Gray, Hard, Slightly Weathered	Correlation ROCK CORE L(xmaxortation SCRIPTION Brussels Ferry - Seawall CORING BARREL TYPE & SIZE CORING BARREL TYPE & SIZE Core Diameter COR DIAmeter 2 in P COR DIAmeter 396.80 ft T Begin Core Elev. 399.80 ft T 0.3 ft (ft (ft 4, Finely Crystalline, LIMESTONE 396.80 396.80	R CORE S E R TSI(JS) PM R CORE S E R T R D C O I E D C O I E P R E G T R P R E C H N P R E D E G H Y H H H H 1 50 0 5	COUNTYCOR StationCOR StationCOR STRUCT. NOCOR StationCOR StationCOR Ground Starface Elev. ft. 429.8C Grav. Moderately Hard to Hard, Sliph	tation ROCK CC wise PTON Brussels Ferry - Seawa	LOG NNG. 14W, 3 PM D C P R H (tt) (ii) (ii) 398.60 1 11 338.10 1 11
COUNTY	Correlation ROCK CORE L(xmaxortation SCRIPTION Brussels Ferry - Seawall CORING BARREL TYPE & SIZE CORING BARREL TYPE & SIZE Core Diameter COR DIAmeter 2 in P COR DIAmeter 396.80 ft T Begin Core Elev. 399.80 ft T 0.3 ft (ft (ft 4, Finely Crystalline, LIMESTONE 396.80 396.80	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Of Transport Delete of the development of transport ROUTE Unmarked DECTION COUNTY Jersey CONTY Jersey Station BORINS NO. B-2 Station Offset Gray, Moderately Hard to Hard, Sligt Medium Bedded, LIMESTONE	tation ROCK CC wise PTON Brussels Ferry - Seawa	LOGG NNG. 14W, 3 PM D C O P R I H (tt) (iii) (ii) 398.80 1 11 1 11 398.80 1 11
COUNTY	Correlation ROCK CORE L(wrappartidia SCRIPTION Brussels Ferry - Seawall	R CORE S COGED BY TSI (JS) PM R CORE S C C Q I B C C Q I B D C Q I B P R E D E T P R E D E T H (H) (Yb) (Yb) (Iminft) (ts5) 2 100 78 7 33 2 2 100 78 4 A	Of Transport Detecting Hybrid Transport ROUTE Unmarked DESCRIP SECTION	tation ROCK CC	LOGG NNG. 14W, 3 PM D C O P R I H (tt) (iii) (ii) 398.80 1 11 1 11 398.80 1 11
COUNTY	CORING BARREL TYPE & SIZE DECORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD Top of Rock Ellew. 396.80 ft 1, Finely Crystalline, LIMESTONE 396.80 1, Finely Crystalline, LIMESTONE 396.80 2005 391.30	Note 2/18/14 LOGGED BY TSI (JS) PM TSI (JS) R R CORE C C T C C T C C T C C T C C T C C T C C T C C T C C T C C H C C H C T F C C H C T F C T T C T T C T T C T T C T T C T T C T T C T T C T T	COUNT Jersey COUNT Jersey COUNTY Jersey COUNTY Jersey COUNTY Jersey CON CON STRUCT, NO. Station BORING NO. B-2 Strater Gray. Moderately Hard to Hard. Sligt Medium Bedded, LMESTONE Gray. Moderately Hard to Hard. Mod Gray. Moderately Hard to Hard, Mod Bedded, LMESTONE	tation ROCK CC	LOG NNG. 14W, 3 PM D C 0 P R H C 0 P R H (tt) (ii) (i) (tt) (ii) (1) 398.80 1 1 1 11 398.80 1 1 1 11 2 5 -36 2 5
Both Construction Construction ROUTE Unmarked Design of the service of the s	CORING BARREL TYPE & SIZE DECORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD Top of Rock Ellew. 396.80 ft 1, Finely Crystalline, LIMESTONE 396.80 1, Finely Crystalline, LIMESTONE 396.80 2005 391.30	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Of Transport Detecting Hybrid Transport ROUTE Unmarked DESCRIP SECTION	tation ROCK CC	LOG NNG. 14W, 3 PM D C O P R T E (ft) (iii) (iii) 398.80 (ft) (iii) (1 1 1 1 1 2 5 - - - - - - - - - - - - -
Both Construction Construction ROUTE Unmarked Design of the service of the s	CORING BARREL TYPE & SIZE DECORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD Top of Rock Ellew. 396.80 ft 1, Finely Crystalline, LIMESTONE 396.80 1, Finely Crystalline, LIMESTONE 396.80 2005 391.30	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Of Transport Detecting Hybrid Transport ROUTE Unmarked DESCRIP SECTION	tation ROCK CC	All LOG NNG. 14W, 3 PM D C O P R H H 398.80 398.80 3398.90 339.80 2 3393.80 2 3393.80 2 3393.80 30 30 30 30 30 30 30 30 30 30 30 30 30
Both Construction Construction ROUTE Unmarked Design of the service of the s	CORING BARREL TYPE & SIZE DECORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD Top of Rock Ellew. 396.80 ft 1, Finely Crystalline, LIMESTONE 396.80 1, Finely Crystalline, LIMESTONE 396.80 2005 391.30	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	COUNTY Jersey COR SECTION	tation ROCK CC	all LOG NNG. 14W, 3 PM
Both Construction Construction ROUTE Unmarked Design of the service of the s	CORING BARREL TYPE & SIZE DECORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD Top of Rock Ellew. 396.80 ft 1, Finely Crystalline, LIMESTONE 396.80 1, Finely Crystalline, LIMESTONE 396.80 2005 391.30	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	COUNTY Jersey COR SECTION	tation ROCK CC	all LOG NNG. 14W, 3 PM
Both Construction Construction ROUTE Unmarked Design of the service of the s	CORING BARREL TYPE & SIZE DECORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD Top of Rock Ellew. 396.80 ft 1, Finely Crystalline, LIMESTONE 396.80 1, Finely Crystalline, LIMESTONE 396.80 2005 391.30	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	COUNTY Jersey COR SECTION	tation ROCK CC	LOG NNG. 14W, 3 PM D C O P R F H (tr) (if) (if) (if) -1 1 -1 1 -1 1 -2 5 -393.80
Both Construction Construction ROUTE Unmarked Design of the service of the s	CORING BARREL TYPE & SIZE DECORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD Top of Rock Ellew. 396.80 ft 1, Finely Crystalline, LIMESTONE 396.80 1, Finely Crystalline, LIMESTONE 396.80 2005 391.30	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	COUNTY Jersey COR SECTION	tation ROCK CC	LOG NNG. 14W, 3 PM D C O P R T E (f) (ii) (ii) 398.80 1 1 398.80 1 1 2 5
Both Construction Construction ROUTE Unmarked Design of the service of the s	CORING BARREL TYPE & SIZE Description CORING MARTHOD CORING BARREL TYPE & SIZE Description CORING METHOD CORING BARREL TYPE & SIZE Description Corn Diameter 2 in Top of Rock Elev. 396.80. ft Top of Rock Elev. 396.80. ft FT J. Finely Crystalline, LIMESTONE 396.80. ft If	Bate 2/18/14_ LOGGED BY TSI USS) PM T R COG T CO G T T CO G T T CO G T T CO G T F CO G T F CO G T F F F F F T F T F T F T F T F T F T T S 100 T S Z 100 T S Z 100 T S Z 100 T S T S T <td>COUNTY Jersey COR SECTION </td> <td>tation ROCK CC</td> <td>LOG NNG. 14W, 3 PM D C O P R F H (tr) (if) (if) (if) -1 1 -1 1 -1 1 -2 5 -393.80 </td>	COUNTY Jersey COR SECTION	tation ROCK CC	LOG NNG. 14W, 3 PM D C O P R F H (tr) (if) (if) (if) -1 1 -1 1 -1 1 -2 5 -393.80
Both Construction Construction ROUTE Unmarked Design of the service of the s	CORING BARREL TYPE & SIZE DECORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD CORING BARREL TYPE & SIZE CORING METHOD Top of Rock Ellew. 396.80 ft 1, Finely Crystalline, LIMESTONE 396.80 1, Finely Crystalline, LIMESTONE 396.80 2005 391.30	Bate 2/18/14_ LOGGED BY TSI USS) PM T R COG T CO G T T CO G T T CO G T T CO G T F CO G T F CO G T F F F F F T F T F T F T F T F T F T T S 100 T S Z 100 T S Z 100 T S Z 100 T S T S T <td>COUNTY Jersey COR SECTION </td> <td>tation ROCK CC</td> <td>LOG NNG. 14W, 3 PM D C O P R R (it) (if) (if) (if) (if) (it) (if) (if) (if) 1 11 396.10 1 11 2 5 393.80 1 1 11 2 5 393.80 2 5 393.80 4 1 11 2 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1</td>	COUNTY Jersey COR SECTION	tation ROCK CC	LOG NNG. 14W, 3 PM D C O P R R (it) (if) (if) (if) (if) (it) (if) (if) (if) 1 11 396.10 1 11 2 5 393.80 1 1 11 2 5 393.80 2 5 393.80 4 1 11 2 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1
Both Construction Construction ROUTE Unmarked Design of the service of the s	CORING BARREL TYPE & SIZE Description CORING MARTHOD CORING BARREL TYPE & SIZE Description CORING METHOD CORING BARREL TYPE & SIZE Description Corn Diameter 2 in Top of Rock Elev. 396.80. ft Top of Rock Elev. 396.80. ft FT J. Finely Crystalline, LIMESTONE 396.80. ft If	Bate 2/18/14_ LOGGED BY TSI USS) PM T R COG T CO G T T CO G T T CO G T T CO G T F CO G T F CO G T F F F F F T F T F T F T F T F T F T T S 100 T S Z 100 T S Z 100 T S Z 100 T S T S T <td>COUNTY Jersey COR SECTION </td> <td>tation ROCK CC</td> <td>LOG NG_14W, 3 PM P C P C P C P C P C P C P C P C</td>	COUNTY Jersey COR SECTION	tation ROCK CC	LOG NG_14W, 3 PM P C P C P C P C P C P C P C P C
Both Construction Construction ROUTE Unmarked Design of the service of the s	CORING BARREL TYPE & SIZE Description CORING MARTHOD CORING BARREL TYPE & SIZE Description CORING METHOD CORING BARREL TYPE & SIZE Description Corn Diameter 2 in Top of Rock Elev. 396.80. ft Top of Rock Elev. 396.80. ft FT J. Finely Crystalline, LIMESTONE 396.80. ft If	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	COUNTY Jersey COR SECTION	tation ROCK CC	LOG NNG. 14W, 3 PM P R F P R F H (tt) (#) (9) (tt) (#) (2) 398.80 - 1 10 (tt) (2 9 -390.80 - 1 10 - 1 10 - 2 9 - 393.80
Color pictures of the cores	CORING BARREL TYPE & SIZE Description Core Diameter 2 in Top of Rack Elev. 396.80. ft Begin Core Elev. 396.80. ft J. Finely Crystalline, LIMESTONE 306.80. ft	OG Date $2/18/14$ LOGGED BY TSILSS PM T R R T R CO Q I E S D C Q Q I E CO Q I E S I D C Q Q I E C Q Q I E S D C Q Q I E C Q Q I E S D C Q Q I I S T E R T H N T E S T T 2 100 78 3 T 2 100 78 3 T 2 100 78 3 T G I I I I I I I I I I I </td <td>Color pictures of the cores Color pictures of the cores</td> <td>tation ROCK CCC was been PTION</td> <td>LOGG NNG. 14W, 3 PM P R R P P R R P R P P R R P R P R P R P R P R P R P R P R P</td>	Color pictures of the cores Color pictures of the cores	tation ROCK CCC was been PTION	LOGG NNG. 14W, 3 PM P R R P P R R P R P P R R P R P R P R P R P R P R P R P R P

Illinois I of Trans
ROUTE Unmarked E
SECTION
COUNTY Jersey
STRUCT. NO Station
BORING NOB-3 Station Offset
Ground Surface Elev. <u>ft</u> 4 Asphalt Concrete over Crush Limestone
Brown to Gray (Medium Den Moist) Silty LOAM A-4(0) See Class @ 5 ft
Gray (Medium Stiff, Moist) Si LOAM (Alluvium) A-4(5) See Class @ 7 ft
Gray (Soft, Moist) Silty CLAY (Alluvium)
Very soft
Gray (Medium Stiff, Moist) Si Clay LOAM (Alluvium)
Gray and Brown (Soft, Wet) : CLAY
The Unconfined Compressiv The SPT (N value) is the sun

110	101	001	00

SOIL BORING LOO 042-W0 DEPARTMENT OF TRANSPORTATION ASSED CHECKED -_____ ENGINEER OF BRIDGES AND STRUCTURES REVISED SHEET NO. 4 OF 5



Rock cores were not taken at Boring B-3.

DGS B1–B3		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
001	304	2I-5	JERSEY	20	13
			CONTRACT NO. 76G94		
5 SHEETS	ILLINOIS FED. AID PROJECT				