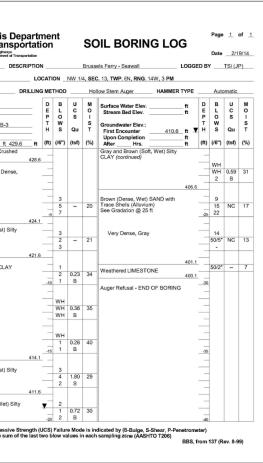
	epartment SOU BORING	Page 1 of 2	Illinois Depa	artment oou poo	
Of Transp Division of Highways Illinois Department of Tr	SOIL BORING L	Date	of Transport	tation	ING LOG
ROUTE Unmarked DE	SCRIPTION         Brussels Ferry - Seawall           LOCATION         NW 1/4, SEC. 13, TWP. 6N, RNG. 14W, 3 P	LOGGED 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				