BORING NO. PB-201A (1 OF 3)

BORING NO. PB-201A (2 OF 3)

BORING NO. PB-201A (3 OF 3)

| (P) | llinois Departmen | nt | | | | SOIL BORING LOG | | Page | 1 | of <u>3</u> |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------|--------------------------------|----------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------|----------------------------|------------------------------|
| Di | vision of Highways electroology | | | | | | | Date | 3 | 3/20/02 |
| ROUTE | | | | | | Trilevel Interchange | BY | RLH | | |
| SECTION | 81-2, 82R | L | OCATIO | N _i | East St | Louis, IL, SEC. 18, TWP. 2N, RNG. 9W | | | | |
| COUNTY | St. Clair DRILL | ING METHOL |) | | Ho | ollow Stem Auger and Mud Rotary HAMMER TYPE | | Autor | natic Ham | mer |
| STRUCT. NO. Station BORING NO. Station Offset Ground Surface Elev Black and brown, SILT with sand seams and to fragments (FILL) | YLOAM | - D E P T H - ft (ft) | B L O W S (/5") | U C S Qu (tsf) | M O I S T (%) | Surface Water Elev. Unknown ft Stream Bed Elev. Unknown ft Groundwater Elev.: First Encounter 387.0 ft Upon Completion 4 ft After Hrs. 1 ft Medium dense, brown, FINE GRAINED SAND (continued) | D E P T H (ft | B L O W S (/6") | U C S Qu (tsf) | M O I S T (%) |
| Medium stiff to soft, bn | own, LOAM | | 1 3 3 3 2 2 | * | 27 | Medium dense, gray, SANDY LOAM | 389.48 | 3 5 9 5 7 7 | | |
| Medium stiff, brown, S | ILTY LOAM | | 1 1 0 2 | | 32 | | | 3 6 9 | | |
| See Gradation Test Re | esults | | 1 3 3 2 2 | | | silty clay layer from 34 to 35 feet | | 3 3 | • | 57 |
| Stiff, brownish-gray, SI LOAM Medium dense, brown GRAINED SAND | | 399.48 | 0 1 4 | 1.0 | 43 | | | 6 8 | | |
| | | | 6 | | | | _ | 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)

* Rimac attempted, not measured due to sample disturbance
** Not measured due to drilling methods used

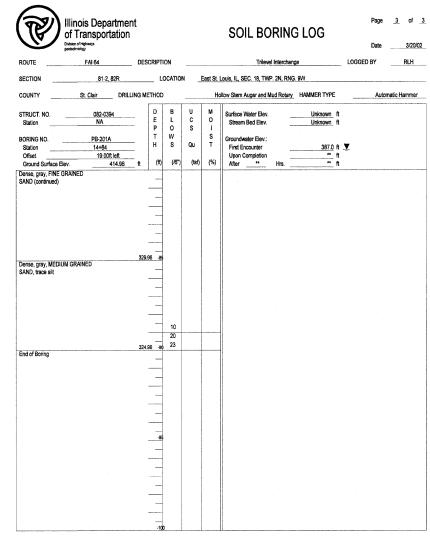
| Illinois Department of Transportation | | | | | | | SOIL BORING LOG | | Date | | 3/20/02 | |
|-----------------------------------------------------------------------|----------------------------------|--------|----------------|-----------------|----------------------|---------------|--------------------------------------------------------------|-----------|-------------|-------------|---------------|--|
| ROUTE FAI 64 DESCRIPTION | | | | | Trilevel Interchange | LOGGE | LOGGED BY | | RLH | | | |
| ECTION | 81-2, 82R | | _ L0 | OCATIO | N _ | East St. | Louis, IL, SEC. 18, TWP. 2N, RNG. 9W | | | | | |
| COUNTY S | Clair DRILL | ING ME | THOD | | | Н | illow Stem Auger and Mud Rotary HAMMER TYP | E | Autor | natic Ham | mer | |
| STRUCT. NO. | 082-0394 NA | | D E P | B L O | U C S | M 0 1 | Surface Water Elev. Unknown Stream Bed Elev. Unknown | | B L O | U C S | M 0 1 | |
| Station Offset | PB-201A 14+84 19.00ft left | - | T H (ft) | W S (/6") | Qu (tsf) | S T (%) | Upon Completion ** | nt ▼ H | W S | Qu (tsf) | S T (%) | |
| Ground Surface Elev. Medium dense, gray, SANDY .OAM (continued) | 414.98 | ft | (it) | (10) | (tsi) | (70) | After ** Hrs. ** Medium dense, gray, SANDY LOAM (continued) | . ft (1 | () (/0) | (tai) | (70) | |
| | | | | | | | | | | | | |
| | | | | | | | | _ | | | | |
| ee Gradation Test Results | | - | | 5 8 | | | | | 7 | | | |
| | | | -45 | 8 | *********** | | | | 13 | | | |
| | | | | | | | | 347.98 | | | | |
| | | | | | | | Dense, gray, MEDIUM GRAINED SAND | | | | | |
| | | - | _ | 4 | | | | | 11 20 | | | |
| | | | -50 | 9 | | | | | 70 25 | | | |
| | | | | | | | | - | | | | |
| | | | | | | | | |] | | | |
| | | - | _ | 8 | | | - | | - | | | |
| | | | -65 | 9 | | | Dense, gray, FINE GRAINED | 339.98 | 75 | | | |
| | | | _ | | | | SAND | | | | | |
| | | | ***** | | | | | _ | | | | |
| iee Gradation Test Results | | | _ | 12 | | | | | 12 | | | |
| | | | | 13 16 | | | | | 23 80 27 | | | |

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)

* Rimac attempted, not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)



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 T205)

* Rimac attempted, not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

Sheet PB-21 of 25

| FILE NAME = | USER NAME = bhatta | DESIGNED - | REVISED - | STATE OF ILLINOIS | BORING LOGS Structure No. 082–0394 | | | A. SECTIO | N COUNTY | TOTAL SHEET SHEETS NO. | |
|-------------------------------|----------------------------|-----------------|-----------|------------------------------|---------------------------------------|----------------------------------|-----|-----------------------|------------------------|---------------------------|--|
| Ø82-Ø394_76C47_S21_B0R-Ø2.dgn | | DRAWN - MK | REVISED - | | | | | 64 82-1-1H | BR ST. CLAIR | . 93 62 | |
| | PLOT SCALE = 0:1 ':" / 1N. | CHECKED - ATB | REVISED - | DEPARTMENT OF TRANSPORTATION | | 3111001011L NO. 002-0334 | | CONTRACT NO. 76C4 | | | |
| | PLOT DATE = 5/1/2009 | DATE - 05/01/09 | REVISED - | | SCALE: | SHEET NO. OF SHEETS STA. TO STA. | FEI | D. ROAD DIST. NO. ILL | INOIS FED. AID PROJECT | | |