

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|------------|----------|------------------|-----------|
| F.A.P. RY. 305 | 2BR-2-RS-1 | McHenry | 53 | 41 |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |

STRUCTURE BORING LOG
(BY APPLIED GEOSCIENCE, INC.)

Page 1 of 2
Date 4/23/01

ROUTE FAP 305 (US-14) DESCRIPTION
SECT. 2BR(1,2)WRS and 2BR-HR-BR STRUCT. NO. 056-3015 DRILLED BY FEI
COUNTY McHenry LOCATION South Street over US 14 S. 7, TWP. 44, RNG. 6E-7E 3 PM

| Boring No. | D | B | Qu | W | Surface Water Elev. | D | B | Qu | W |
|---|---|----|-----|----|---------------------|---|---|-----|---|
| Station | E | L | | | Groundwater Elev.: | E | L | | |
| Offset | P | O | | | when drilling | P | O | | |
| | T | W | | | at Completion | T | W | | |
| Surface Elev. | H | S | kPa | % | after | H | S | kPa | % |
| SB-2 | | | | | 3.05 | | | | |
| 29+982.55 | | | | | | | | | |
| 7.172m Right | | | | | | | | | |
| 285.07 (m) | | | | | | | | | |
| FILL, silty clay, some sand & gravel, brown, very stiff | | 4 | 268 | 14 | | | | | |
| 284.3 | | 6 | B | | 276.7 | | | | |
| SILTY CLAY, with organic, sand & gravel, dk. brown, stiff | | 3 | 125 | 24 | | | | | |
| 283.3 | | 6 | B | | | | | | |
| SAND & GRAVEL, fr. clay, brown, wet, med. dense | | 6 | | | | | | | |
| 281.8 | | 7 | | | | | | | |
| SAND & GRAVEL, light brown, dense to very dense | | 9 | | | | | | | |
| 279.7 | | 9 | | | | | | | |
| SAND & GRAVEL, fr. limestone, gray, very dense | | 18 | | | | | | | |
| 274.0 | | 18 | 441 | 14 | | | | | |
| SILTY CLAY, some sand & gravel, light brown, very stiff | | 17 | S | | | | | | |
| 263.5 | | 14 | | | | | | | |
| FINE SAND, light brown, dense | | 21 | | | | | | | |
| 258.1 | | 30 | | | | | | | |
| 255.1 | | 22 | 201 | 13 | | | | | |
| 250.1 | | 11 | B | | | | | | |
| 240.2 | | 14 | | | | | | | |
| 230.2 | | 21 | | | | | | | |
| 220.2 | | 21 | 383 | 12 | | | | | |
| 210.2 | | 20 | P | | | | | | |
| 200.2 | | 10 | | | | | | | |
| 190.2 | | 13 | 402 | 13 | | | | | |
| 180.2 | | 16 | S | | | | | | |
| 170.2 | | 6 | | | | | | | |
| 160.2 | | 7 | 220 | 13 | | | | | |
| 150.2 | | 10 | B | | | | | | |
| 140.2 | | 8 | | | | | | | |
| 130.2 | | 10 | 316 | 12 | | | | | |
| 120.2 | | 12 | S | | | | | | |
| 110.2 | | 8 | | | | | | | |
| 100.2 | | 10 | | | | | | | |
| 90.2 | | 12 | | | | | | | |
| 80.2 | | 22 | | | | | | | |
| 70.2 | | 19 | | | | | | | |
| 60.2 | | 26 | | | | | | | |
| 50.2 | | 6 | 240 | 13 | | | | | |
| 40.2 | | 7 | B | | | | | | |
| 30.2 | | 8 | | | | | | | |
| 20.2 | | 20 | | | | | | | |
| 10.2 | | 22 | | | | | | | |
| 0.2 | | 25 | | | | | | | |

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Meters

STRUCTURE BORING LOG
(BY APPLIED GEOSCIENCE, INC.)

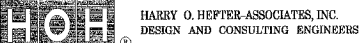
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Date 4/23/01

STRUCTURE NO. 056-3015
ROUTE FAP 305 (US-14)
SECTION 2BR(1,2)WRS and 2BR-HR-BR
COUNTY McHenry

| Boring No. | D | B | Qu | W | Surface Water Elev. | D | B | Qu | W |
|---|---|----|-----|----|---------------------|---|---|-----|---|
| Station | E | L | | | Groundwater Elev.: | E | L | | |
| Offset | P | O | | | when drilling | P | O | | |
| | T | W | | | at Completion | T | W | | |
| Elevation | H | S | kPa | % | after | H | S | kPa | % |
| SB-2 | | | | | | | | | |
| 29+982.55 | | | | | | | | | |
| 7.172m Right | | | | | | | | | |
| 270.1 (m) | | | | | | | | | |
| SILTY CLAY, some sand & gravel, light brown, very stiff | | 5 | 249 | 13 | | | | | |
| 260.2 | | 7 | B | | | | | | |
| SAND & GRAVEL, fr. clay, brown, wet, med. dense | | 8 | | | | | | | |
| 258.1 | | 9 | 220 | 12 | | | | | |
| SAND & GRAVEL, light brown, dense to very dense | | 11 | S | | | | | | |
| 255.1 | | 6 | | | | | | | |
| SAND & GRAVEL, fr. limestone, gray, very dense | | 7 | 220 | 13 | | | | | |
| 250.1 | | 10 | B | | | | | | |
| SILTY CLAY, with sand & gravel, light brown, hard | | 11 | | | | | | | |
| 240.2 | | 13 | 402 | 13 | | | | | |
| SAND & GRAVEL, light brown, dense to very dense | | 16 | S | | | | | | |
| 230.2 | | 10 | | | | | | | |
| SAND & GRAVEL, fr. clay, brown, wet, med. dense | | 13 | | | | | | | |
| 220.2 | | 8 | | | | | | | |
| SAND & GRAVEL, fr. limestone, gray, very dense | | 10 | 316 | 12 | | | | | |
| 210.2 | | 12 | S | | | | | | |
| SAND & GRAVEL, light brown, dense | | 22 | | | | | | | |
| 200.2 | | 19 | | | | | | | |
| 190.2 | | 26 | | | | | | | |
| 180.2 | | 6 | 240 | 13 | | | | | |
| 170.2 | | 7 | B | | | | | | |
| 160.2 | | 8 | | | | | | | |
| 150.2 | | 20 | | | | | | | |
| 140.2 | | 22 | | | | | | | |
| 130.2 | | 25 | | | | | | | |

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Meters

SOIL BORING LOGS - 2

| | | | |
|---|--------------|---|-------------------------------------|
| Date | Designed MR | SOUTH ST. OVER US 14 FAP ROUTE NO. 305 SECTION 2BR-2-RS-1 STATION 29+999.897 COUNTY McHENRY STRUCTURE NO. 056-3015 | Sheet No. |
| Revisions | Drawn MR | | 28 |
| | Checked KSM | | of 31 |
| | Approved KSM | | |
|  | | 65 East Jackson Blvd Chicago, Illinois 60604 312/466-8121 | File Name: 1962S28.DGN Job No. 1962 |

12/21/2004 10:32:04 AM