STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

| F. J. P. 846 46~1~I-1 | | COUNTY | SHEETS | SHEET NO. | |
|-----------------------|--|--------|--------|--------------|--|
| | | WILL | 39 | | |
| | | | | 2766.10 | |

SHEET NO. 520 SHEETS S20

CONTRACT NO. 60D26

GROUND ENGINEERING CONSULTANTS, INC. STRUCTURE BORING LOG

| SECT. 4-RB4B-1-R COUNTY Will Boring No. B-1 Station 1304+31.00 Offset 18.8 ft Rt. P Surface Elev. 568.8 ft FILL, silty clay, some gravel, brown-gray, stiff SILTY CLAY, tr. sand & gravel, brown, stiff 562.1 black, stiff SILTY CLAY, tr. sand & gravel, brown, stiff 556.5 DOLOMITIC LIMESTONE, highly 554.8 weathered, gravel size, hard, gray Recovery = 62% RQD = 0% DOLOMITIC LIMESTONE, hard highly fractured, some vertical fractured, some vertical fractures, few clay seams, light gray Recovery = 85% RQD = 10% | ON | - | | ge Improvements | | | | | |
|--|----------------------------|----------|---------|---|----------|-----------------------|-----------------------|-----------|---------------|
| Boring No. B-1 Station 1304+31.00 Extraction 18.8 ft Rt. P Surface Elev. 568.8 ft FILL, silty clay, some gravel, brown-gray, stiff 563.3 ORGANIC TOPSOIL, some clay, black, stiff SILTY CLAY, tr. sand & gravel, brown, stiff 556.5 DOLOMITIC LIMESTONE, highly seathered, gravel size, hard, gray Recovery = 62% RQD = 0% DOLOMITIC LIMESTONE, hard highly fractured, some vertical fractures, few clay seams, light gray Recovery = 85% | RUCT. | NO. 0 | 99-090 | 0 (NB) DRILL | ED BY | GEOC | ON | | |
| station 1304+31.00 Iffset 18.8 ft Rt. P Furface Elev. 568.8 ft H FILL, silty clay, some gravel, brown-gray, stiff 562.1 DOLOMITIC LIMESTONE, highly weathered, gravel, gravel, gray Recovery = 62% RQD = 0% DOLOMITIC LIMESTONE, highly fractured, some vertical fractured, some vertical fractured, some vertical fractures, few clay seams, light gray Recovery = 85% | N L | L-53 ove | r Prair | ie Creek S. | _ , TWP. | 33N | , RNG. | 9E-10E | 3rd |
| clay, some gravel, brown-gray, stiff 563.3 ORGANIC TOPSOIL, some clay, 562.1 black, stiff SILTY CLAY, tr. sand & gravel, brown, stiff DOLOMITIC LIMESTONE, highly 554.8 weathered, gravel size, hard, gray Recovery = 62% RQD = 0% DOLOMITIC LIMESTONE, hard highly fractured, some vertical fractures, few clay seams, light gray Recovery = 85% | B L O W S | V Qu | W % | Surface Water Elev. Groundwater Elev.: when drilling at Completion after Hrs. | | D E P T H | B L O W S | Qu tsf | w % |
| DRGANIC TOPSOIL, some clay, 562.1 solack, stiff 581.1 CLAY, tr. sand & gravel, brown, stiff 556.5 CDOLOMITIC LIMESTONE, highly state, hard, gray Recovery = 62% RQD = 0% CDOLOMITIC LIMESTONE, hard, mighly fractured, some vertical fractured, some vertical fractures, few clay seams, ight gray Recovery = 85% | 3 4 5 3 2 2 | 1.1 | 24 | DOLOMITIC LIMESTONE, hard, fresh, styolitic, some vertical fractures, light gray Recovery = 95% RQD = 55% | 539.8 | 30 | | | |
| iome clay, 562.1 olack, stiff SiLTY CLAY, tr. sand & gravel, orown, stiff 556.5 DOLOMITIC IMESTONE, lighly seathered, gravel size, nard, gray secovery = 62% ROD = 0% DOLOMITIC IMESTONE, hard lighly ractured, some rertical ractures, few slay seams, iggly seams, iggly seams, iggray lecovery = 85% | | | | RQD = 55% END OF BORING | | | | | |
| and & gravel, prown, stiff 556.5 COLOMITIC IMESTONE, lighly 554.8 weathered, pravel size, lard, gray lecovery = 62% (QD = 0%) COLOMITIC IMESTONE, hard lighly ractured, some vertical ractures, few lay seams, gray lecovery = 85% (QD = 0%) Imegrated to the color of the colo | 4 5 5 | 1.4 | 32 | LIAD OF BORNAG | | | | | |
| DOLOMITIC IMESTONE, ighly 554.8 veathered, ravel size, ard, gray lecovery = 62% QD = 0% DOLOMITIC IMESTONE, hard ighly ractured, some ertical ractures, few lay seams, glecovery = 85% | 3 | | 16 | | | | | | |
| DOLOMITIC LIMESTONE, highly 554.8 weathered, yravel size, hard, gray Recovery = 62% RQD = 0% DOLOMITIC LIMESTONE, hard highly ractured, some vertical rectured, seams, ight gray Recovery = 85% | 3 4 | | | | | -35 | | | |
| IMESTONE, sighly 554.8 weathered, gravel size, aird, gray lecovery = 62% ROD = 0% Polician Stone vertical vactures, few lay seams, ight gray eecovery = 85% | | | | | | **** | | | |
| iard, gray flecovery = 62% flQD = 0% ODLOMITIC IMESTONE, hard highly ractured, some rertical ractures, few lay seams, ight gray flecovery = 85% | | | | | | | | | |
| OOLOMITIC IMESTONE, hard iighly ractured, some rertical ractures, few lay seams, ight gray lecovery = 85% | | | | | | -40 | | | |
| vertical ractures, few clay seams, ght gray20 lecovery = 85% | | | | | | | | | |
| ght gray | | | | | | | | | |
| | | | | | | <u>-45</u> | | | |
| - | | | | | | | | | |
| weekled | _ | | | | | | | | |

--50

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

| DESIGNED | NDS/GMK |
|----------|-------------|
| CHECKED | MTP/SMK/GBC |
| DRAWN | NDS/DCB |
| CHECKED | SMK/GBC |

GROUND ENGINEERING CONSULTANTS, INC.

Page 1 of 1 Date <u>7/25/02</u> STRUCTURE BORING LOG ROUTE IL-53 (FAP846) DESCRIPTION Proposed Bridge Improvements SECT. 4-RB/4B-1-R STRUCT. NO. 099-0900 (NB) DRILLED BY GEOCON S. ____, TWP. _33N___, RNG. 9E-10E_3rd_PM LOCATION IL-53 over Prairie Creek COUNTY Will B-2 1305 + 69.00 18.7 ft Rt. Surface Water Elev. L O W S L O W Qu S tsf when drilling at Completion after Hrs. Qu tsf Surface Elev. 567.3 ft 541.8 FILL, silty clay END OF BORING some gravel, brown-gray 3 1.1 12 3 B 562.8 1.3 TOPSOIL, silty SILTY CLAY, tr. sand & gravel, brown, stiff WEATHERED DOLOMITIC LIMESTONE, hard, gravel size, gray Recovery = 55% RQD = 0% DOLOMITIC LIMESTONE, hard, some vertical fractures, light gray Recovery = 85% RQD = 24%

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test

THIS SHEET IS FOR INFORMATION ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS FAP 846

NB IL. ROUTE 53 OVER PRAIRIE CREEK STATION 1305+00 SECTION 4-RB

WILL COUNTY STRUCTURE NO. 099-0090

SCALE: NONE DATE: JUNE 2007

DELTA ENGINEERING INC.

CONSULTING ENGINEERS, CHICAGO ILLINOIS.