

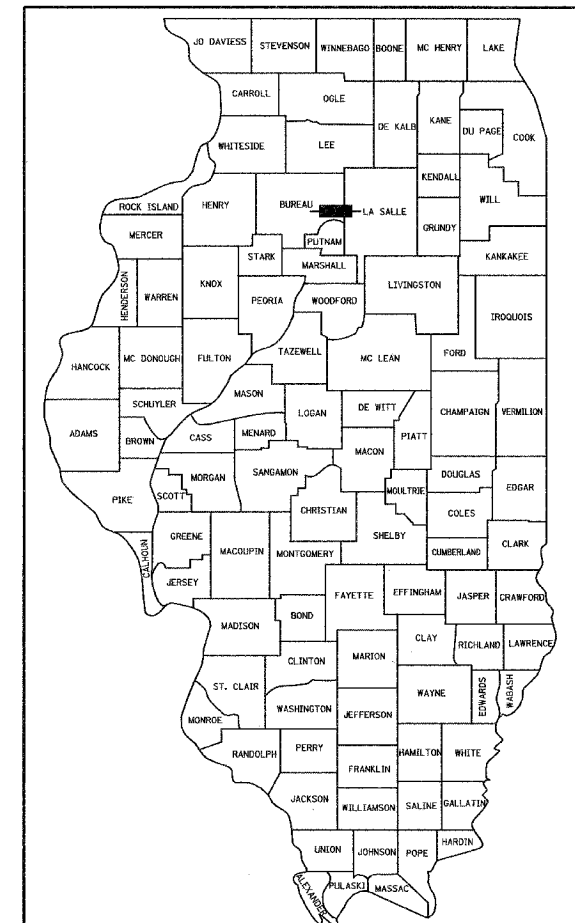
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|-------------|------------------|--------------|-----------|
| 5605 | (TX-1, 17)L | BUREAU & LASALLE | 14 | 1 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED ROADWAY LIGHTING PLANS
FEDERAL-AID URBAN PROJECT**

F.A.U. ROUTE 5605 (U.S. ROUTE 6)
SECTION (TX-1, 17)L
PROJECT HSIP-M-5605(001)
BUREAU AND LASALLE COUNTIES
C-93-051-06

D-93-028-06



LOCATION OF SECTION INDICATED THUS: - [Black Box] -

INDEX OF SHEETS

1. TITLE SHEET
2. GENERAL NOTES AND SUMMARY OF CONTENTS
- 3-5. LIGHTING PLANS - U.S. 6
- 6-7. LIGHTING PLANS - U.S. 6 AT IL-251 INTERCHANGE
8. SINGLE LINE DIAGRAM
- 9-12. LIGHTING DETAILS
- 13-14 BORING LOGS

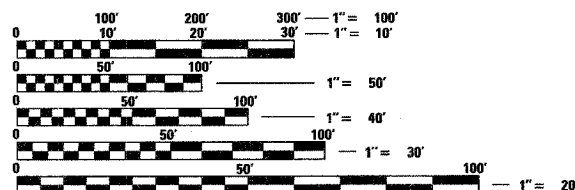
LIST OF HIGHWAY STANDARDS

- 000001 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 442201 CLASS C AND D PATCHES
- 701502 URBAN LANE CLOSURE, 2L 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701606 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 702001 TRAFFIC CONTROL DEVICES

TRAFFIC DATA

LOCATION #1
U.S. ROUTE 6 EXISTING ADT = 13,300 (2005)

LOCATION #2
U.S. ROUTE 6 EXISTING ADT = 15,100 (2005)
ILLINOIS 251 EXISTING ADT = 12,000 (2005)

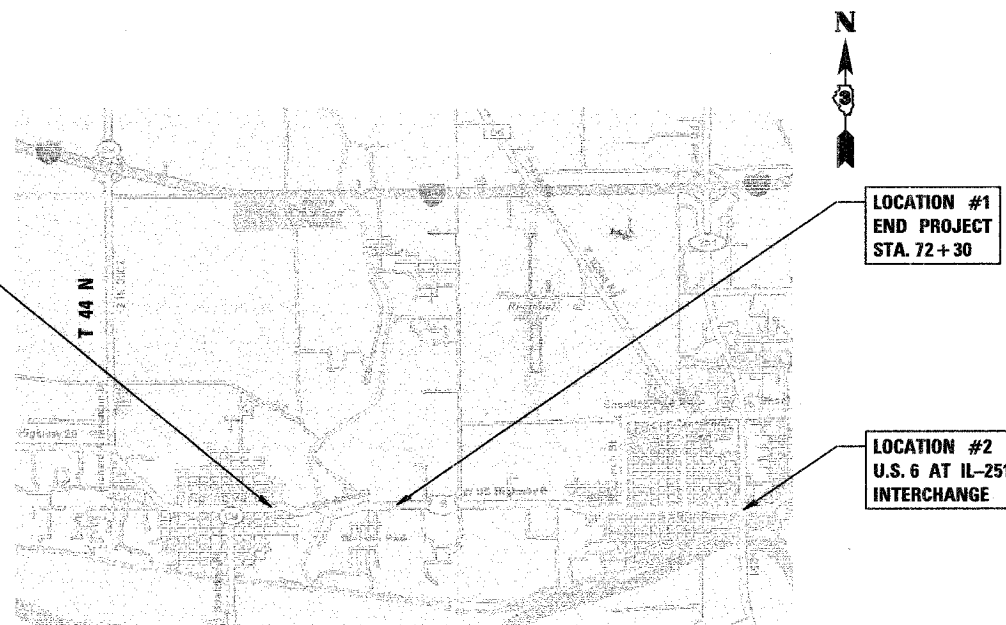


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

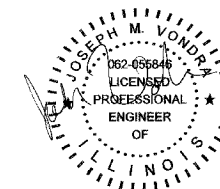
PROJECT ENGINEER - JOE KANNEL
UNIT CHIEF - PAT BRABOY
TOWNSHIP: HALL

CONTRACT NO. 66642



LOCATION MAP
NOT TO SCALE

GROSS AND NET LENGTH OF PROJECT = 5,932 FT = 1.12 MI.



DATE: 12/19/2006
SEAL EXPIRES: 11/30/2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Feb 20 20 06
Diane O. Kaska
DEPUTY DIRECTOR, REGION ENGINEER

February 2, 2007
Eric E. Harsh
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

February 2, 2007
Milton R. Sewell
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

Ciorba Group, Inc.

DESIGN FIRM
REGISTRATION NUMBER

184-001016

CONSULTING ENGINEERS
SUITE 402, 5507 NORTH CUMBERLAND AVE
CHICAGO, ILLINOIS 60656 :: (773) 775-4009

PLANS PREPARED BY: CIORBA GROUP

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|-------------|------------------|--------------|-----------|
| 5605 | (TX-1, 17)L | BUREAU & LASALLE | 14 | 2 |

STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

(H&FP FUNDS) BUREAU CO.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS AS WELL AS:
 ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS ADOPTED JANUARY 1, 2007.
 ILLINOIS DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2007.
 ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (LATEST EDITION IN EFFECT ON THE DATE OF INVITATION FOR BIDS).

2. THE CONTRACTOR SHALL MAINTAIN A SET OF CONSTRUCTION RECORD DRAWINGS NOTING ALL CHANGES TO THE PLANS AND THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES ENCOUNTERED. A MYLAR REPRODUCIBLE AS-BUILT DRAWING AND TWO (2) PAPER SETS MUST BE SUBMITTED TO THE DEPARTMENT OF ENGINEERING FOR REVIEW AND APPROVAL UPON COMPLETION OF THE PROJECT.

3. NOMINAL QUANTITIES FOR THE FOLLOWING PAY ITEMS HAVE BEEN INCLUDED IN THE PLANS AND SHALL BE UTILIZED AS DIRECTED BY THE ENGINEER:

| | |
|--------------------------------------|---------|
| EXPLORATION TRENCH, SPECIAL | 25 FOOT |
| TREE PRUNING (1 TO 10 INCH DIAMETER) | 20 EACH |
| TREE PRUNING (OVER INCH DIAMETER) | 30 EACH |

4. WITHIN THIRTY (30) DAYS AFTER THE CONTRACT IS SIGNED AND BEFORE ANY WORK IS AUTHORIZED BY THE ENGINEER, THE CONTRACTOR SHALL SUBMIT MANUFACTURER'S LITERATURE PERTAINING TO LIGHTING WORK FOR THE ELECTRICAL ENGINEER'S REVIEW AND APPROVAL.

5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LUMINAIRES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRE-CONSTRUCTION INSPECTION.

6. THE ENGINEER SHALL APPROVE THE LOCATIONS OF ALL PUSH PITS.

7. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO ARTICLE 801.04 OF THE STANDARD SPECIFICATIONS REGARDING THE PROPOSED LOCATIONS OF THE LIGHTING SYSTEM. ADDITIONALLY, THE UNIT DUCT ROUTING SHOWN ON THE PLANS IS MAINLY INTENDED TO SHOW ELECTRICAL CIRCUITRY. AN EFFORT HAS BEEN MADE TO AVOID UTILITY CONFLICTS BUT THE EXACT LOCATION OF ELECTRICAL CABLES AND CONDUITS SHOULD BE APPROVED BY THE ENGINEER AFTER THE UNDERGROUND UTILITIES HAVE BEEN LOCATED BY THEIR OWNERS. QUANTITIES SHOWN FOR UNIT DUCT AND CONDUIT SHALL BE CONFIRMED IN THE FIELD. THE ENGINEER SHALL APPROVE THE LOCATIONS OF ALL PUSH PITS.

8. THE CONTRACTOR SHALL KEEP DEVIATIONS FROM THE UNIT DUCT ROUTING SHOWN ON THE PLANS TO A MINIMUM. MAJOR DEVIATIONS SHALL BE REPORTED TO AND APPROVED BY THE ENGINEER BEFORE INSTALLATION.

9. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENT FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.

10. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.

11. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR SPLICING ELECTRICAL CABLE. SEE "GENERAL ELECTRICAL REQUIREMENTS" AND SPLICING DETAIL ON SHEET 10.

12. THE CONTRACTOR SHALL MAKE NOTE OF THE REQUIREMENTS FOR GROUNDING.

A. GROUNDING CONNECTIONS AT THE FOUNDATION STEEL AND AT THE GROUND ROD SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.

B. EQUIPMENT GROUND CONDUCTORS (GREEN COLOR CODED) SHALL BE SPLICED AND PIGTAILED TO EACH METALLIC JUNCTION/PULL BOX THEY PASS THROUGH AS WELL AS AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT. THE CONNECTION SHALL UTILIZE U.L. LISTED CLAMPS, PRESSURE CONNECTORS, OR OTHER U.L. LISTED MEANS.

C. METALLIC JUNCTION/PULL BOXES SHALL BE EQUIPPED FOR THE GROUNDING WIRE TERMINATIONS WITHOUT DEGRADATION OF NEMA BOX RATING.

13. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

14. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.

15. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

| CODE | PAY ITEM | UNIT | Y030-1E QUANTITY 90%FED/10%ST. |
|----------|----------------------------------------------------------------------------------------------------|-------|--------------------------------|
| 20101300 | TREE PRUNING (1 TO 10 INCH DIAMETER) | EACH | 20 |
| 20101350 | TREE PRUNING (OVER 10 INCH DIAMETER) | EACH | 30 |
| 21300010 | EXPLORATION TRENCH, SPECIAL | FOOT | 25 |
| 67100100 | MOBILIZATION | L SUM | 1 |
| 70102622 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701502 | L SUM | 1 |
| 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 | L SUM | 1 |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 |
| 80400100 | ELECTRIC SERVICE INSTALLATION | EACH | 1 |
| 81000600 | CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL | FOOT | 30 |
| 81018700 | CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL | FOOT | 800 |
| 81100800 | CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL | FOOT | 250 |
| 81300810 | JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 8" | EACH | 2 |
| 50200400 | ROCK EXCAVATION FOR STRUCTURES | CU YD | 7 |
| 81900200 | TRENCH AND BACKFILL FOR ELECTRICAL WORK | FOOT | 5575 |
| 82102400 | LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT | EACH | 39 |
| 82500540 | LIGHTING CONTROLLER TYPE CB-RCS 100AMP - 480VOLT | EACH | 1 |
| 83009600 | LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. MAST ARM | EACH | 39 |
| 83600300 | LIGHT POLE FOUNDATION, 30" DIAMETER | FOOT | 312 |
| 83800205 | BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE | EACH | 39 |
| X0324845 | REMOVE AND REINSTALL LIGHT POLE, COUPLINGS | EACH | 216 |
| XX006392 | CLASS D PATCHES, 6" (SPECIAL) | SQ YD | 250 |
| X8160176 | UNIT DUCT WITH 2-1/C NO. 6 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 1 1/4" DIAMETER POLYETHYLENE | FOOT | 3450 |
| X8160175 | UNIT DUCT WITH 2-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE), 1 1/4" DIAMETER POLYETHYLENE | FOOT | 3500 |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DISTRICT THREE

REVIEWED BY: Red Powell
 DISTRICT STUDIES & PLANS ENGINEER

DATE: 12-21-06

EXAMINED BY: Herb Jung
 DISTRICT CONSTRUCTION ENGINEER

Matt Jurek
 DISTRICT MATERIALS ENGINEER
Bruce A. Wickham
 DISTRICT OPERATIONS ENGINEER

■ SFTY-3C

▲ URBAN-LASALLE CO. (80%FED, 20%ST.)
 Y030-1E (STP FUNDS)

| REVISIONS | |
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CG Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

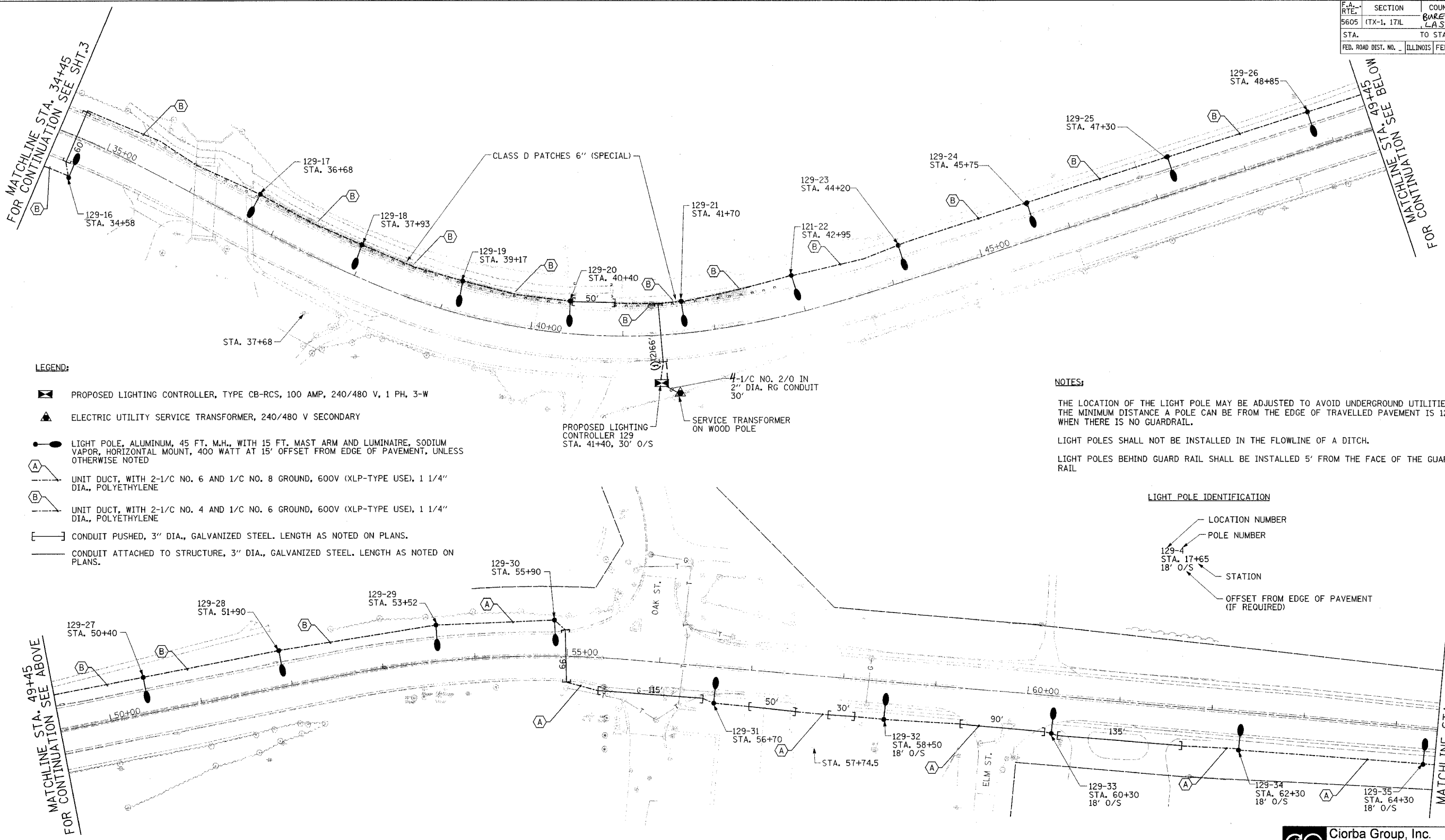
ILLINOIS DEPARTMENT OF TRANSPORTATION
 U.S. ROUTE 6 (SPRING VALLEY) LIGHTING
 GENERAL NOTES
 AND
 SUMMARY OF QUANTITIES

SCALE: NONE DRAWN BY: MLB
 DATE: DEC. 2006 CHECKED BY: JMV

DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 R/L OF WAY CHECKED: _____
 CAD FILE NAME: _____

DATE: _____ BY: _____
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 R/L OF WAY CHECKED: _____
 CAD FILE NAME: _____

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| CONTRACT NO. | | 66642 | |
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS |
| 5605 | (TX-1, 17)L | Bureau of LA SALLE | 14 |
| STA. | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | |



LEGEND:

- ☒ PROPOSED LIGHTING CONTROLLER, TYPE CB-RCS, 100 AMP, 240/480 V, 1 PH, 3-W
- ⚡ ELECTRIC UTILITY SERVICE TRANSFORMER, 240/480 V SECONDARY
- LIGHT POLE, ALUMINUM, 45 FT. M.H., WITH 15 FT. MAST ARM AND LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT AT 15' OFFSET FROM EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED
- ⓐ UNIT DUCT, WITH 2-1/2" NO. 6 AND 1/2" NO. 8 GROUND, 600V (XLP-TYPE USE), 1 1/4" DIA., POLYETHYLENE
- ⓑ UNIT DUCT, WITH 2-1/2" NO. 4 AND 1/2" NO. 6 GROUND, 600V (XLP-TYPE USE), 1 1/4" DIA., POLYETHYLENE
- CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL. LENGTH AS NOTED ON PLANS.
- CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL. LENGTH AS NOTED ON PLANS.

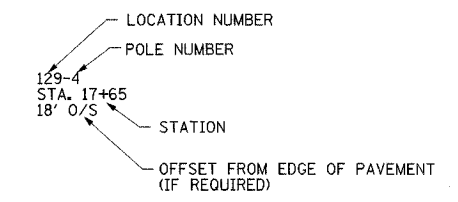
NOTES:

THE LOCATION OF THE LIGHT POLE MAY BE ADJUSTED TO AVOID UNDERGROUND UTILITIES. THE MINIMUM DISTANCE A POLE CAN BE FROM THE EDGE OF TRAVELLED PAVEMENT IS 12' WHEN THERE IS NO GUARDRAIL.

LIGHT POLES SHALL NOT BE INSTALLED IN THE FLOWLINE OF A DITCH.

LIGHT POLES BEHIND GUARD RAIL SHALL BE INSTALLED 5' FROM THE FACE OF THE GUARD RAIL

LIGHT POLE IDENTIFICATION



| | |
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| PLAN | DATE |
| NO. | |

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| PROFILE | DATE |
| NO. | |

DATE: 12/19/2006
 FILENAME: I:\1010321\springvalley\design\plan\12914.dwg

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Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

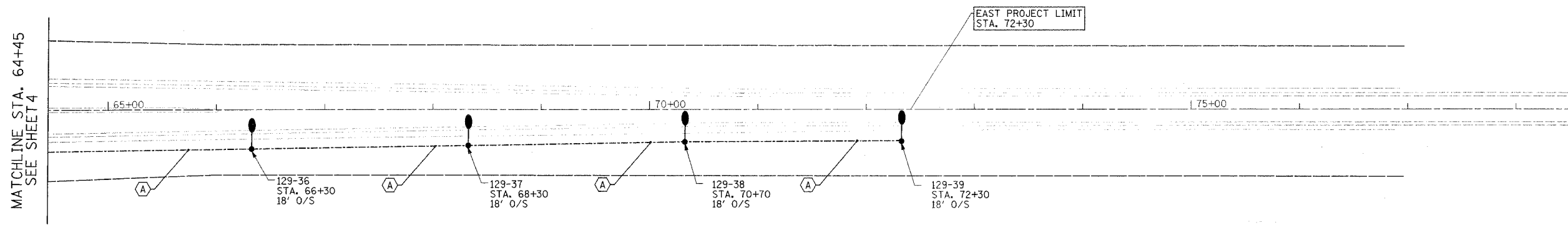
ILLINOIS DEPARTMENT OF TRANSPORTATION
 U.S. ROUTE 6 (SPRING VALLEY) LIGHTING

LIGHTING PLAN

SCALE: 1"=50'
 DATE: DEC. 2006








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| CONTRACT NO. 66642 | | | |
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS |
| 5605 | (TX-1, 17L) | BUREAU & LASALLE | 14 |
| STA. | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | |



MATCHLINE STA. 64+45
SEE SHEET 4

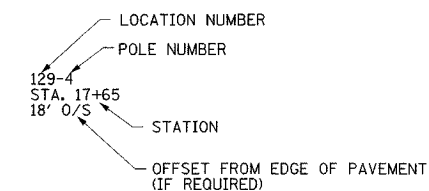
LEGEND:

-  PROPOSED LIGHTING CONTROLLER, TYPE CB-RCS, 100 AMP, 240/480 V, 1 PH, 3-W
-  ELECTRIC UTILITY SERVICE TRANSFORMER, 240/480 V SECONDARY
-  LIGHT POLE, ALUMINUM, 45 FT. M.H., WITH 15 FT. MAST ARM AND LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT AT 15' OFFSET FROM EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED
-  UNIT DUCT, WITH 2-1/2" NO. 6 AND 1/2" NO. 8 GROUND, 600V (XLP-TYPE USE), 1 1/4" DIA., POLYETHYLENE
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-  CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL. LENGTH AS NOTED ON PLANS.
-  CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL. LENGTH AS NOTED ON PLANS.

NOTES:

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- LIGHT POLES BEHIND GUARD RAIL SHALL BE INSTALLED 5' FROM THE FACE OF THE GUARD RAIL

LIGHT POLE IDENTIFICATION



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| PLAN | DATE | BY |
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DATE: 12/16/2006
FILENAME: c:\p03\2591\springvalley\lighting\ProposedPlan021.dwg

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ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 6 (SPRING VALLEY) LIGHTING

LIGHTING PLAN

SCALE: 1"=50'
DATE: DEC. 2006
DRAWN BY: MLB
CHECKED BY: JMV

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|---------------------|-------------|---------------------------|--------------|
| CONTRACT NO. 66642 | | | |
| F.A. - RTE. | SECTION | COUNTY | TOTAL SHEETS |
| 5605 | (TX-1, 17L) | BUREAU # LASALLE | 14 |
| STA. | | TO STA. | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | |

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| REMOVE AND REINSTALL LIGHT POLE, COUPLINGS | | |
|--------------------------------------------|-------------------------------------|----------|
| POLE NUMBER | LOCATION | QUANTITY |
| 1 | IL-251 SB TO U.S. 6 WB RAMP | 4 |
| 2 | IL-251 SB TO U.S. 6 WB RAMP | 4 |
| 3 | IL-251 SB TO U.S. 6 WB RAMP | 4 |
| 4 | IL-251 SB TO U.S. 6 WB RAMP | 4 |
| 5 | IL-251 SB TO U.S. 6 WB RAMP | 4 |
| 6 | IL-251 SB TO U.S. 6 WB RAMP | 4 |
| 7 | IL-251 SB TO U.S. 6 WB RAMP | 4 |
| 8 | IL-251 SB TO U.S. 6 WB RAMP | 4 |
| 9 | U.S. 6 WB TO IL-251 NB RAMP | 4 |
| 10 | U.S. 6 WB TO IL-251 NB RAMP | 4 |
| 11 | IL-251 SB MAINLINE, NORTH OF U.S. 6 | 4 |
| 12 | U.S. 6 WB TO IL-251 SB RAMP | 4 |
| 13 | IL-251 NB MAINLINE, NORTH OF U.S. 6 | 4 |
| 14 | IL-251 NB TO U.S. 6 WB RAMP | 4 |
| 15 | U.S. 6 WB TO IL-251 NB RAMP | 4 |
| 16 | U.S. 6 WB TO IL-251 NB RAMP | 4 |
| 17 | U.S. 6 WB TO IL-251 NB RAMP | 4 |
| 18 | U.S. 6 WB TO IL-251 NB RAMP | 4 |

| REMOVE AND REINSTALL LIGHT POLE, COUPLINGS | | |
|--------------------------------------------|-----------------------------|----------|
| POLE NUMBER | LOCATION | QUANTITY |
| 19 | U.S. 6 WB TO IL-251 SB RAMP | 4 |
| 20 | U.S. 6 WB TO IL-251 SB RAMP | 4 |
| 21 | U.S. 6 WB TO IL-251 SB RAMP | 4 |
| 22 | IL-251 SB TO U.S. 6 EB RAMP | 4 |
| 23 | U.S. 6 WB TO IL-251 SB RAMP | 4 |
| 24 | U.S. 6 WB TO IL-251 SB RAMP | 4 |
| 25 | IL-251 SB TO U.S. 6 EB RAMP | 4 |
| 26 | IL-251 SB TO U.S. 6 EB RAMP | 4 |
| 29 | IL-251 NB TO U.S. 6 WB RAMP | 4 |
| 30 | IL-251 NB TO U.S. 6 WB RAMP | 4 |
| 31 | U.S. 6 EB TO IL-251 NB RAMP | 4 |
| 32 | IL-251 NB TO U.S. 6 WB RAMP | 4 |
| 33 | U.S. 6 EB TO IL-251 NB RAMP | 4 |
| 34 | U.S. 6 EB TO IL-251 NB RAMP | 4 |
| 35 | IL-251 NB TO U.S. 6 WB RAMP | 4 |
| 36 | U.S. 6 WB TO IL-251 NB RAMP | 4 |
| 37 | U.S. 6 WB TO IL-251 NB RAMP | 4 |
| 38 | U.S. 6 WB TO IL-251 NB RAMP | 4 |

| REMOVE AND REINSTALL LIGHT POLE, COUPLINGS | | |
|--------------------------------------------|-------------------------------------|----------|
| POLE NUMBER | LOCATION | QUANTITY |
| 39 | U.S. 6 WB TO IL-251 NB RAMP | 4 |
| 40 | IL-251 SB TO U.S. 6 WB RAMP | 4 |
| 41 | U.S. 6 EB TO IL-251 SB RAMP | 4 |
| 43 | U.S. 6 EB TO IL-251 SB RAMP | 4 |
| 44 | IL-251 SB TO U.S. 6 EB RAMP | 4 |
| 45 | U.S. 6 EB TO IL-251 SB RAMP | 4 |
| 46 | IL-251 SB TO U.S. 6 EB RAMP | 4 |
| 47 | U.S. 6 EB TO IL-251 SB RAMP | 4 |
| 48 | IL-251 SB TO U.S. 6 EB RAMP | 4 |
| 49 | U.S. 6 EB TO IL-251 SB RAMP | 4 |
| 50 | IL-251 NB MAINLINE, SOUTH OF U.S. 6 | 4 |
| 51 | U.S. 6 EB TO IL-251 NB RAMP | 4 |
| 52 | IL-251 NB TO U.S. 6 EB RAMP | 4 |
| 53 | IL-251 NB TO U.S. 6 EB RAMP | 4 |
| 54 | U.S. 6 EB TO IL-251 NB RAMP | 4 |
| 55 | IL-251 NB TO U.S. 6 EB RAMP | 4 |
| 56 | IL-251 NB TO U.S. 6 EB RAMP | 4 |
| 57 | IL-251 NB TO U.S. 6 EB RAMP | 4 |

NOTE:
THE ABOVE TABLES DENOTE THE LOCATIONS FOR THE REPLACEMENT OF BREAKAWAY COUPLINGS FOR POLES AT THE U.S. ROUTE 6 INTERCHANGE WITH ILLINOIS ROUTE 251 IN PERU ILLINOIS. SEE SHEET 7 FOR PLAN.

| REVISIONS | |
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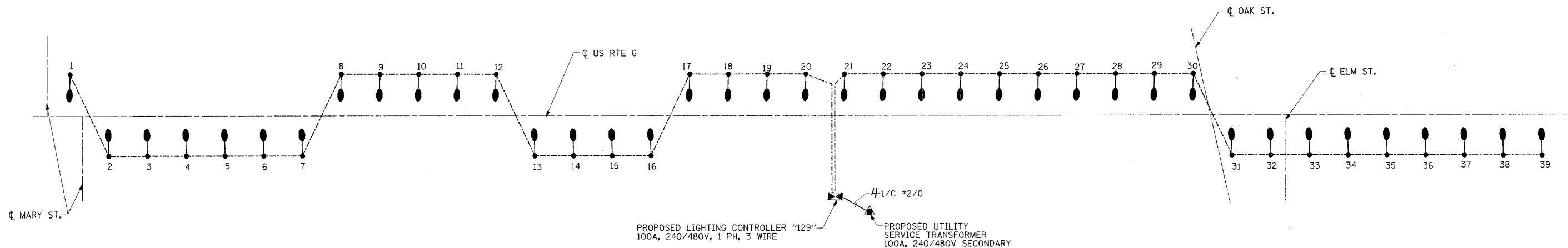
Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 6 (SPRING VALLEY) LIGHTING
COUPLING DEVICE REPLACEMENT
U.S. 6 AT IL-251 INTERCHANGE

SCALE: NONE
DATE: DEC. 2006
DRAWN BY: MLB
CHECKED BY: JMV

DATE: 12/19/2006
FILENAME: I:\proj\0511\ciorba\guy\cplg\proj\cplg\plan\0511-plk01.dgn

| | | | | |
|-----------------------------------------------|-------------|-------------------|--------------|-----------|
| CONTRACT NO. 66642 | | | | |
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5605 | (TX-1, 17)L | Bureau of LASALLE | 14 | 8 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



LIGHTING CONTROLLER "129" ONE LINE DIAGRAM

LOAD TABULATION FOR LIGHTING CONTROLLER "129"
SYSTEM VOLTAGE 240/480V, SINGLE PHASE, 2-WIRE

| CKTS # | DESCRIPTION | CKT LOAD AMPS |
|--------|------------------|---------------|
| A | 20-400W HPS LUM. | 20 |
| B | 19-400W HPS LUM. | 19 |
| TOTAL | | 39 |

| | |
|-----------|-----------|
| BY | DATE |
| REVISIONS | |
| ALIGNMENT | CHECKED |
| PLANNING | PLOTTED |
| NOTE BOOK | FILED |
| NO. | FILE NAME |

| | |
|-----------|---------|
| BY | DATE |
| REVISIONS | |
| GRABER | CHECKED |
| STRUCTURE | NOTARY |
| NO. | CPRO |

DATE: 12/19/2006
FILENAME: I:\proj\2006\1219\lighting\ldi\ldi.dwg

| REVISIONS | |
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| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 6 (SPRING VALLEY) LIGHTING

ONE LINE DIAGRAM

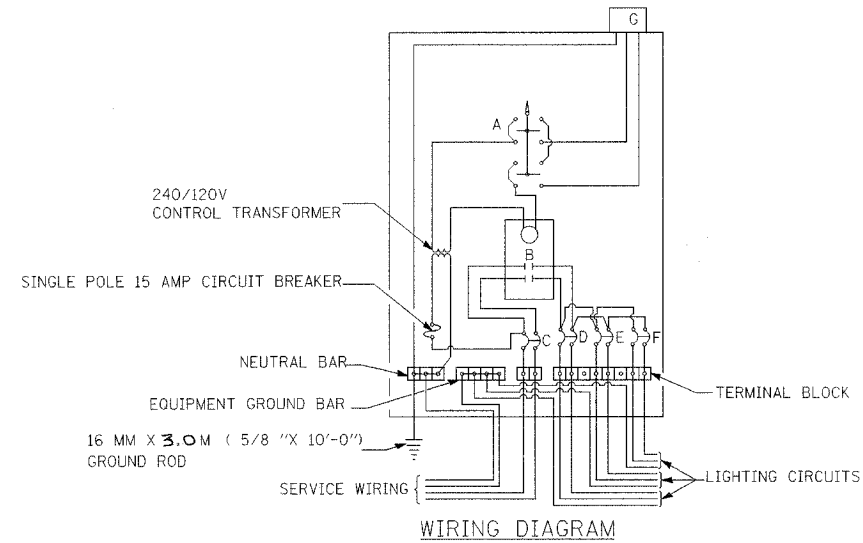
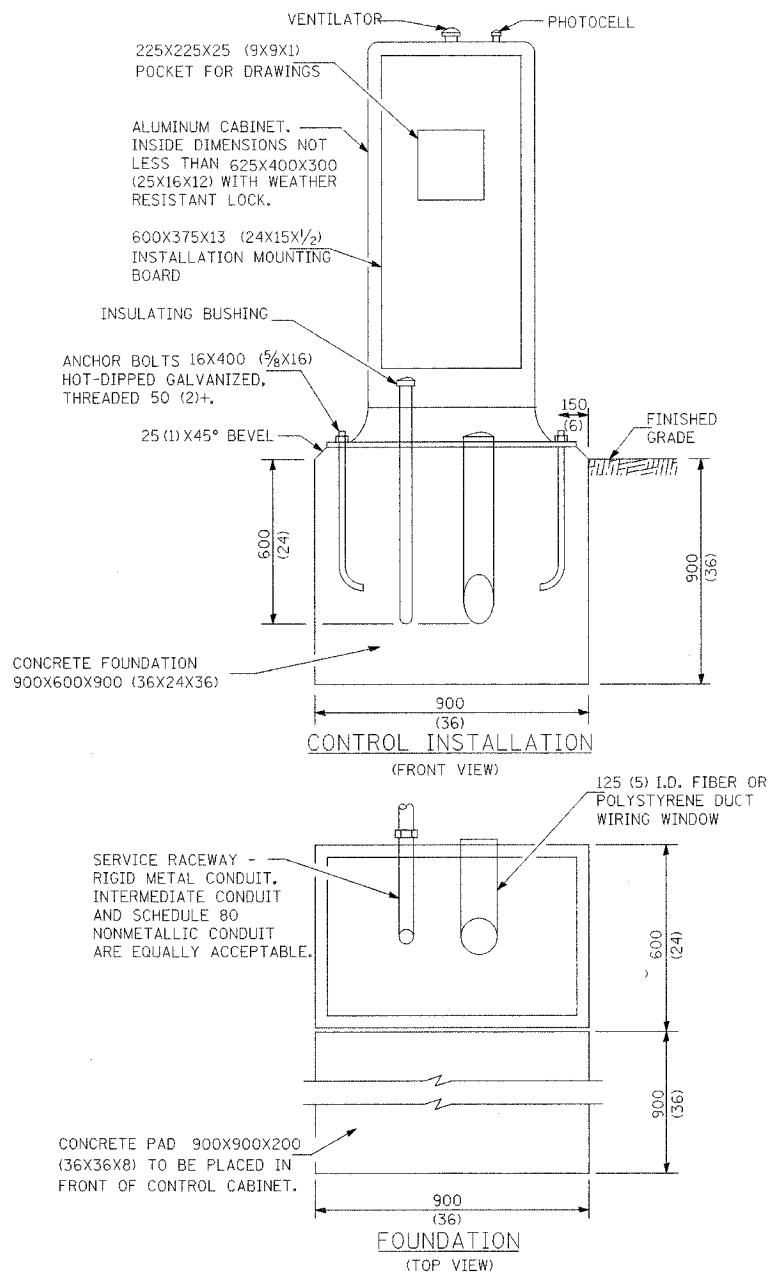
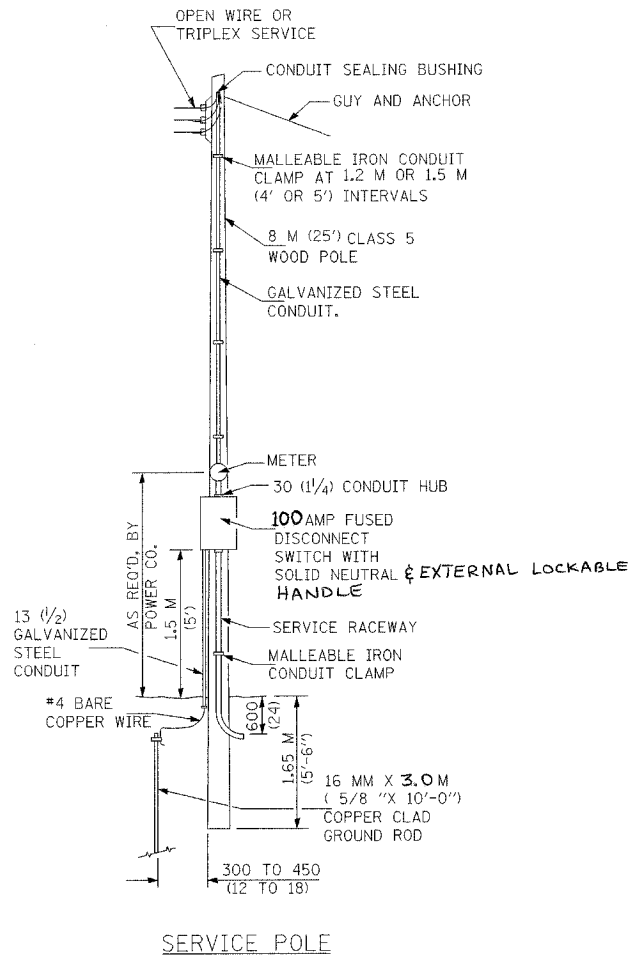
SCALE: NONE DRAWN BY: MLB
DATE: DEC, 2006 CHECKED BY: JVM

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|-----------------------------------------------|---------------------|-------------------------|-----------------|-------------|
| CONTRACT NO. 66642 | | | | |
| F.A. RTE. 5605 | SECTION (TX-1, 17)L | COUNTY BUREAU & LASALLE | TOTAL SHEETS 14 | SHEET NO. 9 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| DATE | BY |
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| DATE | BY |
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| | |

- A SELECTOR SWITCH
- B 2 POLE 100 AMP CONTACTOR
- C 2 POLE 100AMP MAIN BREAKER
- D,E,F 2 POLE 30 AMP BRANCH BREAKERS
- G PHOTOCELL W/INTEGRAL SURGE ARRESTER



GENERAL NOTES

LOCATE SERVICE POLE AND CONTROL INSTALLATION ADJACENT TO R.O.W. LINE WITH A MINIMUM DISTANCE OF 9 M (30') FROM THE EDGE OF PAVEMENT. EXACT LOCATION SHALL BE ESTABLISHED BY THE ENGINEER.

THE UNDERGROUND SERVICE ENTRANCE WIRING SHALL NOT EXCEED 46 M (150'). TOTAL AERIAL AND UNDERGROUND SERVICE BETWEEN THE CONTROL INSTALLATION AND PRIMARY TRANSFORMER SHALL NOT EXCEED 76 M (250').

RACEWAYS SHALL TERMINATE 75 (3) ABOVE TOP OF CONCRETE FOUNDATION.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

| REVISIONS | |
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| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 6 (SPRING VALLEY) LIGHTING

LIGHTING DETAILS

SCALE: NONE
DATE: DEC. 2006
DRAWN BY: MLB
CHECKED BY: JMV

DATE: 12/16/2006
FILENAME: I:\031\031\Lighting\Lighting\Lighting\Lighting.dwg

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|-------------|-------------------|--------------|-----------|
| 5605 | (TX-1, 17L) | BUREAU & LA SALLE | 14 | 11 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | | |

| MOUNTING HEIGHT | BOLT CIRCLE DIAMETER | STEEL FOUNDATION | | CONCRETE FOUNDATION | | |
|---------------------------|----------------------|------------------|-------------------|---------------------|----------------|---------------------|
| | | SHAFT DIAMETER | SHAFT DEPTH | SHAFT DIAMETER | SHAFT DEPTH | ANCHOR ROD LENGTH * |
| 9.1 m (30') | 292 mm (11 1/2") | 220 mm (8 3/4") | 1.83 m (6'-0") | 610mm (24") | 1.52 m (5'-0") | 1.45 m (4'-9") |
| 9.4 m - 10.7 m (31'-35') | 292 mm (11 1/2") | 220 mm (8 3/4") | 1.83 m (6'-0") | 610mm (24") | 1.67 m (5'-6") | 1.60 m (5'-3") |
| 10.9 m - 12.2 m (36'-40') | 381 mm (15") | 220 mm (8 3/4") | 1.83 m ** (6'-0") | 610mm (24") | 1.83 m (6'-0") | 1.75 m (5'-9") |
| 12.5 m - 13.7 m (41'-45') | 381 mm (15") | 220 mm (8 3/4") | 1.83 m ** (6'-0") | 610mm (24") | 1.98 m (6'-6") | 1.90 m (6'-3") |
| 14.0 m - 15.2 m (46'-50') | 381 mm (15") | 220 mm (8 3/4") | 2.44 m (8'-0") | 610mm (24") | 2.13m (7'-0") | 2.00 m (6'-9") |

* Length does not include 100 (4) hook
 ** 220 mm x 2.44 m (8 3/4" x 8'-0") for Twin luminaires

Notes:

All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.

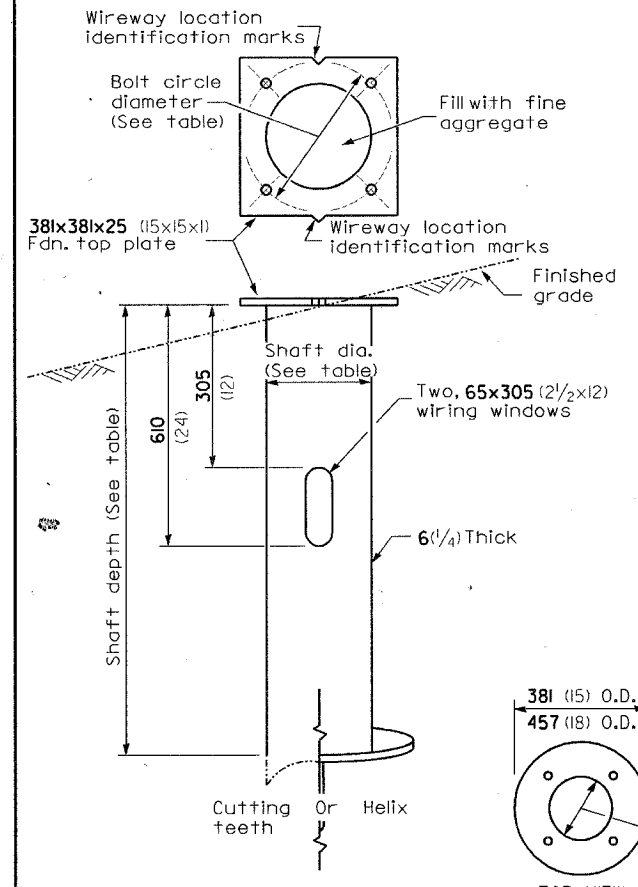
Notes:

Wireway may be on front, back, or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.

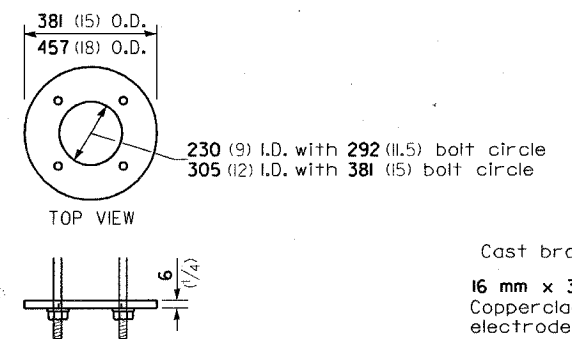
Top of schedule 40 PVC 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.

75 (3) Min. concrete cover on all steel

25 (1) Steel anchor rod with 230 (9) of threads. See table for the required bolt circle diameter.



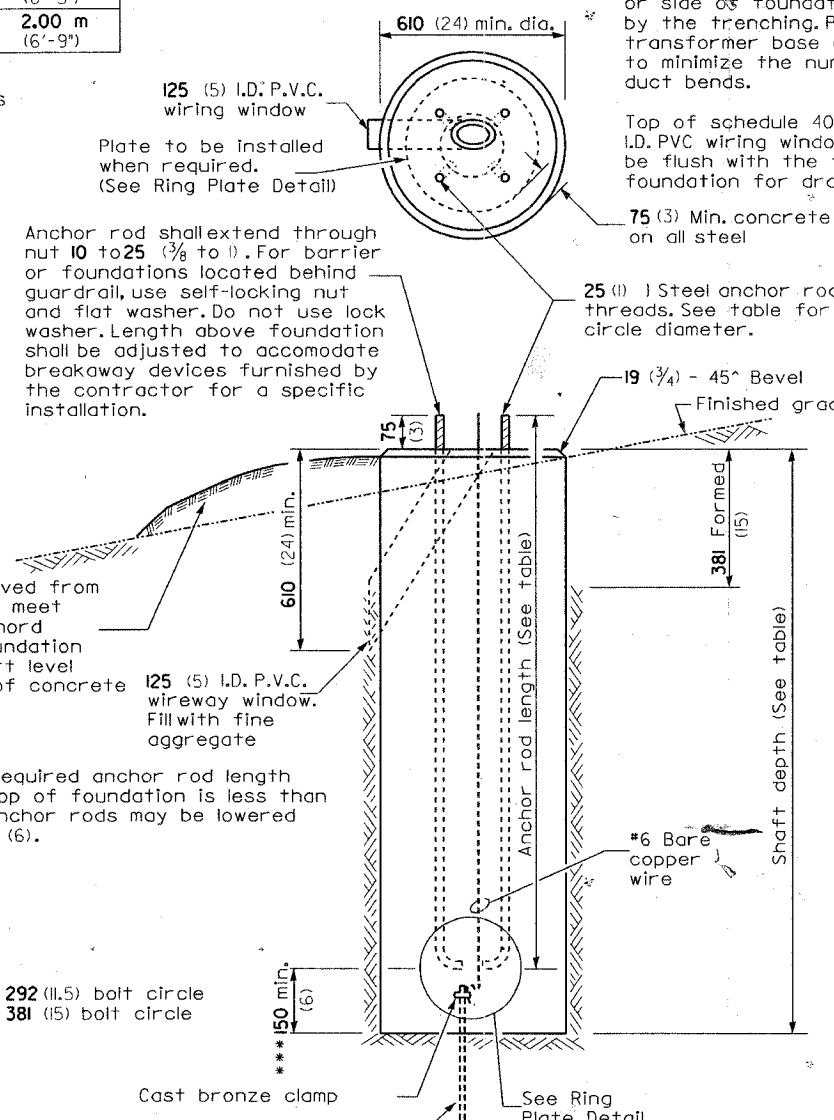
STEEL FOUNDATION



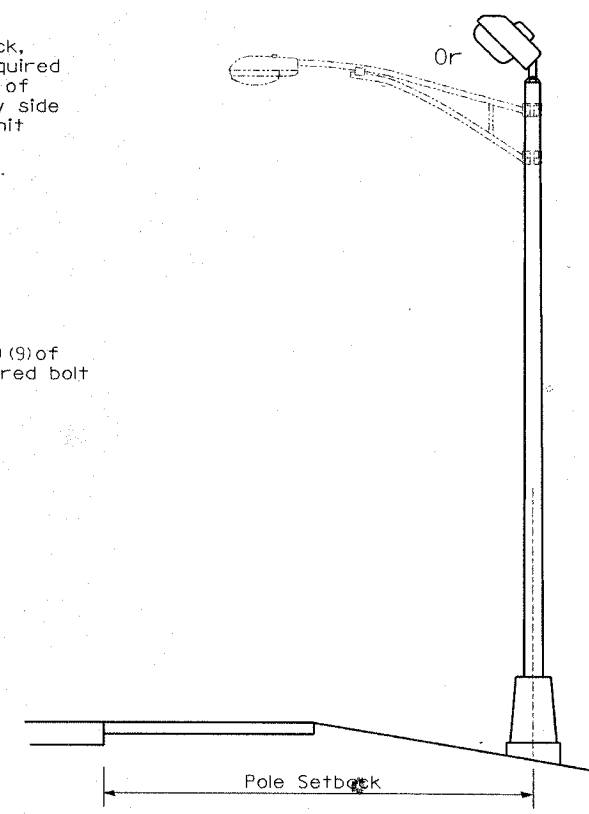
RING PLATE DETAIL
 (When rock is encountered and foundation is shallower)

Use dirt removed from foundation to meet 1.52m (5 ft.) chord fill around foundation top. Grade dirt level with bottom of concrete chamfer.

*** If the required anchor rod length above top of foundation is less than 75 (3), anchor rods may be lowered below 150 (6).



CONCRETE FOUNDATION



Pole Foundation Setback:

For horizontal mounted luminaires, setback shall be a minimum of 6.1m (20') from edge of pavement.
 For vertical mount luminaires, setback shall be a minimum of 9 m (30') from edge of pavement. Poles shall be located 1.5 m (5') behind guardrail or other protective barriers, or as directed by the Engineer.

All dimensions are in millimeters (inches) unless otherwise shown.

| DATE | REVISIONS |
|---------|---------------------------|
| 10/7/02 | Bridge Office depth calc. |
| | |
| | |
| | |

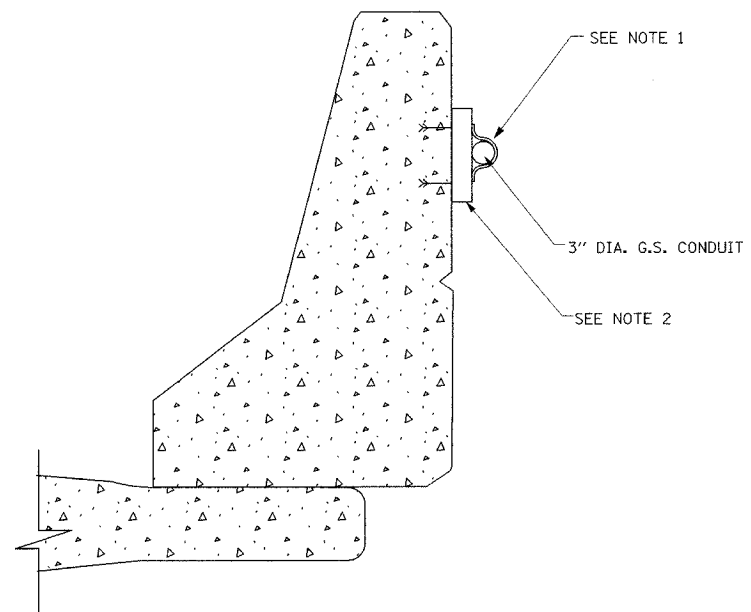
LIGHT POLE FOUNDATION

LGT007-836

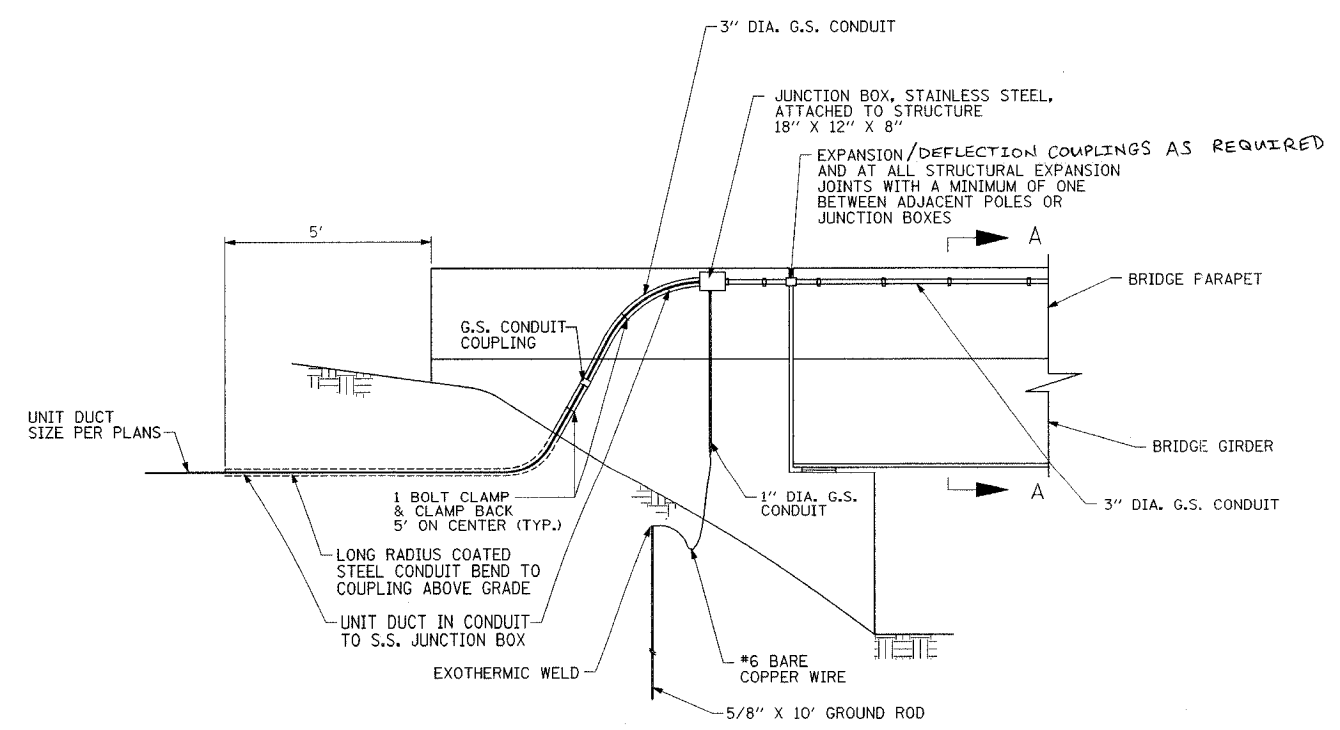
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| CONTRACT NO. 66642 | | | |
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS |
| 5605 | (TX-1, 17)L | BUREAU & LASALLE | 14 |
| STA. | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | |

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| PLAN | DATE |
| BY | |
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| PROFILE | DATE |
| BY | |
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| DATE | |
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- NOTES:
1. PIPE SUPPORT (HOT DIPPED GALVANIZED AFTER FABRICATION), MINIMUM SIZE EQUAL TO PIPE DIAMETER. MOUNT TO CHANNEL WITH TWO 3/8" STAINLESS STEEL CLAMPING NUTS, HEX HEAD CAP SCREW & LOCK WASHER, MOUNTED ON 5' CENTERS.
 2. STAINLESS STEEL CHANNEL 10" LONG MOUNTED EXTERNALLY ON BRIDGE PARAPET. INSTALL ON 5'-0" CENTERS. ATTACHED TO BRIDGE PARAPET WITH 1/2" DIA. EXPANSION ANCHORS, MIN. 2" LONG. EXPANSION ANCHORS SHALL BE HOT DEEP GALVANIZED AFTER FABRICATION.



TYPICAL WINGWALL CONDUIT TRANSITION
NOT TO SCALE

DATE: 12/19/2006
FILENAME: I:\proj\2006\121906\wingwall\20061219\csh304.dwg

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Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 6 (SPRING VALLEY) LIGHTING

LIGHTING DETAILS

SCALE: NONE
DATE: DEC. 2006
DRAWN BY: MLB
CHECKED BY: JMW

| | | | | |
|---------------------------------------------------|-----------|------------------|-----------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5605 | IX-1, 17L | BUREAU & CASALLE | 13 | 13 |
| STA. 12----- | | | TO STA. 12----- | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |



Illinois Department of Transportation
Division of Highways
Springfield, Illinois

SOIL BORING LOG

Page 1 of 1

Date 12/28/06

ROUTE FAU 5605 (U.S. 6) DESCRIPTION US 6-Mary St to Elm St in Spring Valley LOGGED BY Larry Myers

SECTION TX-1, 17L LOCATION SE 1/4, SEC. 35, TWP. 16N, R9G. 11E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

| STRUCT. NO. | Station | BORING NO. | Station | Offset | Ground Surface Elev. | ft | (ft) | (%) | (%) | (%) | (%) | Surface Water Elev. | ft | Stream Bed Elev. | ft | Groundwater Elev.: | ft | First Encounter | ft | Upon Completion | ft | After | Hrs. | ft |
|-------------|---------|-----------------------------------|---------|----------|----------------------|----|------|-----|---------------|-----|------|---------------------|----|------------------|----|--------------------|----|-----------------|----|-----------------|----|-------|------|----|
| | | 1 | 25+85 | 41.00R L | 517.78 | | | | | | | | | | | | | | | | | | | |
| | | Augered, brown, Sandy Clay Loam-B | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 516.26 | | | | 2 | | | | | | | | | | | | | | | |
| | | | | | | | | | 3 | 1.5 | 11.0 | | | | | | | | | | | | | |
| | | | | | | | | | 5 | P | | | | | | | | | | | | | | |
| | | | | | 513.78 | | | | 3 | | | | | | | | | | | | | | | |
| | | | | | | | | | 5 | 4.3 | 9.2 | | | | | | | | | | | | | |
| | | | | | | | | | 8 | P | | | | | | | | | | | | | | |
| | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | | | | | | | | | 8 | 4.0 | 10.3 | | | | | | | | | | | | | |
| | | | | | | | | | 7 | P | | | | | | | | | | | | | | |
| | | | | | | | | | 8 | | | | | | | | | | | | | | | |
| | | | | | | | | | 7 | 4.0 | 9.4 | | | | | | | | | | | | | |
| | | | | | | | | | 7 | P | | | | | | | | | | | | | | |
| | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| | | | | | | | | | 5 | 4.0 | 9.8 | | | | | | | | | | | | | |
| | | | | | | | | | 8 | P | | | | | | | | | | | | | | |
| | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | | | | | | | | | 8 | 4.0 | 11.7 | | | | | | | | | | | | | |
| | | | | | | | | | 7 | P | | | | | | | | | | | | | | |
| | | | | | | | | | 502.26 | | | | | | | | | | | | | | | |
| | | | | | | | | | End of Boring | | | | | | | | | | | | | | | |

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 (ASTM D1586)

BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Springfield, Illinois

SOIL BORING LOG

Page 1 of 1

Date 12/28/06

ROUTE FAU 5605 (U.S. 6) DESCRIPTION US 6-Mary St to Elm St in Spring Valley LOGGED BY Larry Myers

SECTION TX-1, 17L LOCATION SW 1/4, SEC. 35, TWP. 16N, R9G. 11E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

| STRUCT. NO. | Station | BORING NO. | Station | Offset | Ground Surface Elev. | ft | (ft) | (%) | (%) | (%) | (%) | Surface Water Elev. | ft | Stream Bed Elev. | ft | Groundwater Elev.: | ft | First Encounter | ft | Upon Completion | ft | After | Hrs. | ft |
|-------------|---------|--------------------------------------------------------------|---------|-----------|----------------------|----|------|-----|---------------------------------------------------------------------------------------------------------|------|------|---------------------|----|------------------|----|--------------------|----|-----------------|----|-----------------|----|-------|------|----|
| | | 2 | 17+05 | 59.00R Rt | 528.18 | | | | | | | | | | | | | | | | | | | |
| | | Augered, brown, Sandy Clay Loam-B with large concrete debris | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 521.68 | | | | 4 | | | | | | | | | | | | | | | |
| | | | | | | | | | 8 | 4.5 | 10.9 | | | | | | | | | | | | | |
| | | | | | | | | | 8 | P | | | | | | | | | | | | | | |
| | | | | | 519.68 | | | | 7 | | | | | | | | | | | | | | | |
| | | | | | | | | | 15 | >4.5 | 9.2 | | | | | | | | | | | | | |
| | | | | | | | | | 17 | P | | | | | | | | | | | | | | |
| | | | | | 516.68 | | | | 100H | | | | | | | | | | | | | | | |
| | | | | | 515.18 | | | | 100H | | | | | | | | | | | | | | | |
| | | | | | | | | | Limestone Auger Refusal @ 9.5 Estimated to be a boulder, not the bedrock surface End of Boring | | | | | | | | | | | | | | | |

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 (ASTM D1586)

BBS, from 137 (Rev. 8-99)

| REVISIONS | | DATE |
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| NAME | | |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: VERT. _____
HORIZ. _____

DATE _____

DRAWN BY _____
CHECKED BY _____



SOIL BORING LOG

Page 1 of 1

Date 12/28/06

ROUTE FAU 5805 (US 8) DESCRIPTION US 8-Mary St to Elm St in Spring Valley LOGGED BY Larry Myers
 SECTION (TX-1, 17L) LOCATION SE 1/4, SEC. 35, TWP. 18N, RNG. 11E
 COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

| STRUCT. NO. | D | B | U | M | Surface Water Elev. | ft |
|----------------------------------------------------------------------------------------|------|------|-------|------|---------------------|------|
| Station | E | L | C | O | Stream Bed Elev. | ft |
| BORING NO. | P | O | S | I | Groundwater Elev.: | |
| Station | T | W | S | Q | First Encounter | ft |
| Offset | H | S | Qu | T | Upon Completion | ft |
| Ground Surface Elev. | (ft) | (ft) | (tsf) | (%) | After | Hrs. |
| 3 | | | | | 518.00 | 0 |
| 40-88 | | | | | | |
| 71.00ft LI | | | | | | |
| Very dense, brown, loamy, fine, sand up to Cobble to Boulder size | | | | | | |
| | | | | | | |
| | | | | | | |
| 514.40 | | | | | | |
| Loose, brown, fine to medium, sand | | | | | | |
| | 4 | | | | | |
| | 3 | | | 20.1 | | |
| | 4 | | | | | |
| 511.90 | | | | | | |
| Brown, fine, sand to Cobble to Boulder size | | | | | | |
| Free Water @ 7.0' | | | | | | |
| | | | | | | |
| | | | | | | |
| 508.90 | | | | | | |
| Loose, brown, fine, sand to coarse, gravel with high potential for cobbles to boulders | | | | | | |
| | 3 | | | 17.8 | | |
| | 5 | | | | | |
| | 3 | | | | | |
| 504.30 | | | | | | |
| Medium, brown, fine to medium, sand with bands of weathered and reworked, coal | | | | | | |
| | | | | | | |
| | 5 | | | 28.0 | | |
| | 7 | | | | | |
| | 10 | | | | | |
| 502.40 | | | | | | |
| End of Boring | | | | | | |

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 (ASTM D1586)
 EBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

Date 12/27/06

ROUTE FAU 5805 (US 8) DESCRIPTION US 8-Mary St to Elm St in Spring Valley LOGGED BY Larry Myers
 SECTION (TX-1, 17L) LOCATION SW 1/4, SEC. 36, TWP. 18N, RNG. 11E
 COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

| STRUCT. NO. | D | B | U | M | Surface Water Elev. | ft |
|--------------------------------------------------------------------------------------------|------|------|-------|------|---------------------|------|
| Station | E | L | C | O | Stream Bed Elev. | ft |
| BORING NO. | P | O | S | I | Groundwater Elev.: | |
| Station | T | W | S | Q | First Encounter | ft |
| Offset | H | S | Qu | T | Upon Completion | ft |
| Ground Surface Elev. | (ft) | (ft) | (tsf) | (%) | After | Hrs. |
| 4 | | | | | 603.20 | 0 |
| 68-05 | | | | | | |
| 82.00ft RL | | | | | | |
| Augered, brown, silty clay loam-silt | | | | | | |
| | | | | | | |
| | | | | | | |
| 599.20 | | | | | | |
| Very stiff, brown, sandy clay loam/sand loam/loamy, sand and gravel and silty clay loam | | | | | | |
| | 4 | | | | | |
| | 5 | 3.5 | | 15.2 | | |
| | 7 | | | | | |
| | 3 | | | 22.0 | | |
| | 3 | | | | | |
| 593.70 | | | | | | |
| Medium, brown, very loamy, fine, sand to coarse, gravel with potential cobbles to boulders | | | | | | |
| | | | | | | |
| | 5 | | | | | |
| | 8 | | | 9.5 | | |
| | 10 | | | | | |
| | 8 | | | | | |
| | 9 | | | 13.7 | | |
| | 10 | | | | | |
| 588.70 | | | | | | |
| Medium, brown, silt to coarse, sand with some fine to coarse, gravel | | | | | | |
| | | | | | | |
| | 5 | | | 13.5 | | |
| | 10 | | | | | |
| | 11 | | | | | |
| 586.70 | | | | | | |
| End of Boring | | | | | | |

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 (ASTM D1586)
 EBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

Date 12/27/06

ROUTE FAU 5805 (US 8) DESCRIPTION US 8-Mary St to Elm St in Spring Valley LOGGED BY Larry Myers
 SECTION (TX-1, 17L) LOCATION SE 1/4, SEC. 35, TWP. 18N, RNG. 11E
 COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

| STRUCT. NO. | D | B | U | M | Surface Water Elev. | ft |
|--------------------------------------------------------------------------------------|------|------|-------|------|---------------------|------|
| Station | E | L | C | O | Stream Bed Elev. | ft |
| BORING NO. | P | O | S | I | Groundwater Elev.: | |
| Station | T | W | S | Q | First Encounter | ft |
| Offset | H | S | Qu | T | Upon Completion | ft |
| Ground Surface Elev. | (ft) | (ft) | (tsf) | (%) | After | Hrs. |
| 5 | | | | | 487.15 | 0 |
| 34-88 | | | | | | |
| 35.00ft LI | | | | | | |
| Augered, brown, loamy, fine, sand to coarse, gravel with some Cobble to Boulder size | | | | | | |
| | | | | | | |
| | | | | | | |
| 482.15 | | | | | | |
| Very stiff, greenish gray, highly weathered and reworked, shale | | | | | | |
| | | 3 | | | | |
| | 5 | | 2.5 | 21.8 | | |
| | 8 | | | | | |
| 480.15 | | | | | | |
| Hard, gray to white, limestone | | | | | | |
| Bedrock confirmed @ 7' with a second boring | | | | | | |
| End of Boring | | | | | | |

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 (ASTM D1586)
 EBS, from 137 (Rev. 8-99)

1/24/2007
 PLOT DATE = 12/28/06
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

| REVISIONS | |
|-----------|------|
| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: VERT. HORIZ.
 DATE

DRAWN BY
 CHECKED BY