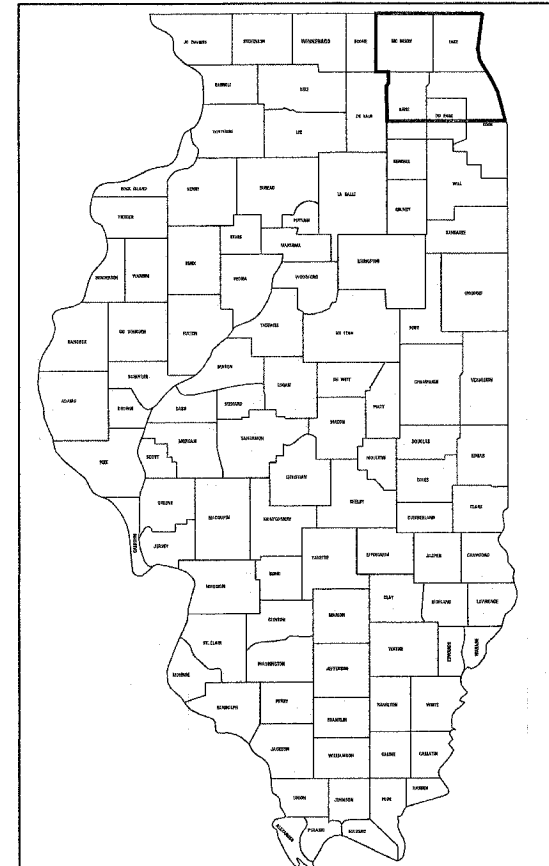


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED HIGHWAY

FOR INDEX OF SHEETS, SEE SHEET 2

| FA. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------|------------|---------|--------------|-----------|
| VAR. | 2006-015 I | VARIOUS | 14 | 1 |

D-91-329-06
CONTRACT NO. 60B39



THIS SECTION IS LOCATED ALONG VARIOUS ROUTES WITHIN THE DISTRICT ONE COUNTIES OF MC HENRY, LAKE, KANE, DU PAGE, COOK AND WILL.

SCALES
PLAN
PROFILE HORIZ.
PROFILE VERT.
CROSS SECTIONS

ROUTE: VARIOUS EXPRESSWAYS AND ARTERIAL
HIGHWAYS – NORTHERN PART, DISTRICT ONE
SECTION: 2006-015 I
FENCE REPAIR
COUNTY: VARIOUS DISTRICT WIDE
C-91-329-06

SEE LOCATION MAPS
SHEETS 4 THRU 8

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Sept. 11, 2006
Diane O'Keefe / CD
DEPUTY DIRECTOR OF HIGHWAYS/PROJ. ENGINEER

October 13, 2006
Mike Piro / PD
ENGINEER OF DESIGN AND ENVIRONMENT

October 13, 2006
Milton L. Sew, P.E. / PD
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY AUTHORITY OF THE
STATE OF ILLINOIS

REGION ONE - BUREAU OF DESIGN:
PLAN PREPARATION ENGINEER: K. ENGR. BORO (847) 705-4178

CONTRACT NO. 60B39

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| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | 2006-015 1 | VAR. | 14 | 2 |
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| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

INDEX OF SHEETS

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3. SUMMARY OF QUANTITIES
4. COOK COUNTY (NORTH OF ILL. 38) LOCATION MAP
5. DUPAGE COUNTY (NORTH OF ILL. 38) LOCATION MAP
6. KANE COUNTY (NORTH OF ILL. 38) LOCATION MAP
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13. SPECIAL DETAILS
14. TRAFFIC CONTROL DETAILS FOR SHOULDER CLOSURE AND
PARTIAL RAMP CLOSURES

STATE STANDARDS

- 664001-01
- 665001-01
- 701001-01
- 701006-02
- 701101-01
- 701106-01
- 701201-02
- 701301-02
- 701400-02
- 701401-03
- 701411-03
- 701421-01
- 701422-01
- 701501-03
- 701606-04
- 701701-04
- 701801-03

PLOT DATE = 9/28/2006
 PLOT SCALE = 60000
 USER NAME = ritchie

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ILLINOIS DEPARTMENT OF TRANSPORTATION
**INDEX OF SHEETS AND
 STATE STANDARDS**

SCALE: VERT.
 DATE: HORIZ.

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| CODE NO. | ITEM DESCRIPTION | UNIT | TOTAL | Y102 URBAN 100% STATE | |
|----------|-------------------------------------|-------|--------|-----------------------|-------|
| | | | | CONT. MAINT. | MCHD |
| 66400505 | CHAIN LINK FENCE, 8' | FOOT | 215 | 170 | 45 |
| 66410300 | CHAIN LINK FENCE REMOVAL | FOOT | 50 | 40 | 10 |
| 66410705 | CHAIN LINK GATES (SPECIAL) | SQ FT | 875 | 700 | 175 |
| 66500105 | WOVEN WIRE FENCE, 4' | FOOT | 2500 | 2000 | 500 |
| X0300160 | PULL POST ARRANGEMENT | EACH | 2 | 1 | 1 |
| X0321153 | CHAIN LINK FENCE POST SLEEVE REPAIR | EACH | 50 | 40 | 10 |
| X6640100 | FENCE RAIL REMOVAL | FOOT | 2000 | 1600 | 400 |
| Z0009600 | CHAIN LINK FABRIC, SPECIAL, 5'-0" | FOOT | 25 | 20 | 5 |
| Z0009700 | CHAIN LINK FABRIC, SPECIAL, 6'-0" | FOOT | 1600 | 1320 | 280 |
| Z0009800 | CHAIN LINK FABRIC, SPECIAL, 7'-0" | FOOT | 10 | 8 | 2 |
| Z0009810 | CHAIN LINK FABRIC, SPECIAL, 8'-0" | FOOT | 75 | 60 | 15 |
| Z0009900 | CHAIN LINK FABRIC, TYPE 1, 4'-0" | FOOT | 14,700 | 11,760 | 2,940 |
| Z0010300 | CHAIN LINK FABRIC, TYPE 3, SPECIAL | FOOT | 500 | 400 | 100 |
| Z0033200 | LINE POST, TYPE 1 | EACH | 630 | 504 | 126 |
| Z0033305 | LINE POST, TYPE 3 (SPECIAL) | EACH | 25 | 20 | 5 |
| Z0042500 | POST, SPECIAL | EACH | 75 | 60 | 15 |
| Z0042505 | POST REMOVAL AND REPLACEMENT | EACH | 5 | 4 | 1 |
| Z0074000 | TERMINAL POST, TYPE 1 | EACH | 50 | 40 | 10 |
| Z0074010 | TERMINAL POST, TYPE 3 SPECIAL | EACH | 5 | 4 | 1 |

PLOT DATE = 9/28/2006
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 USER NAME = p1chlers

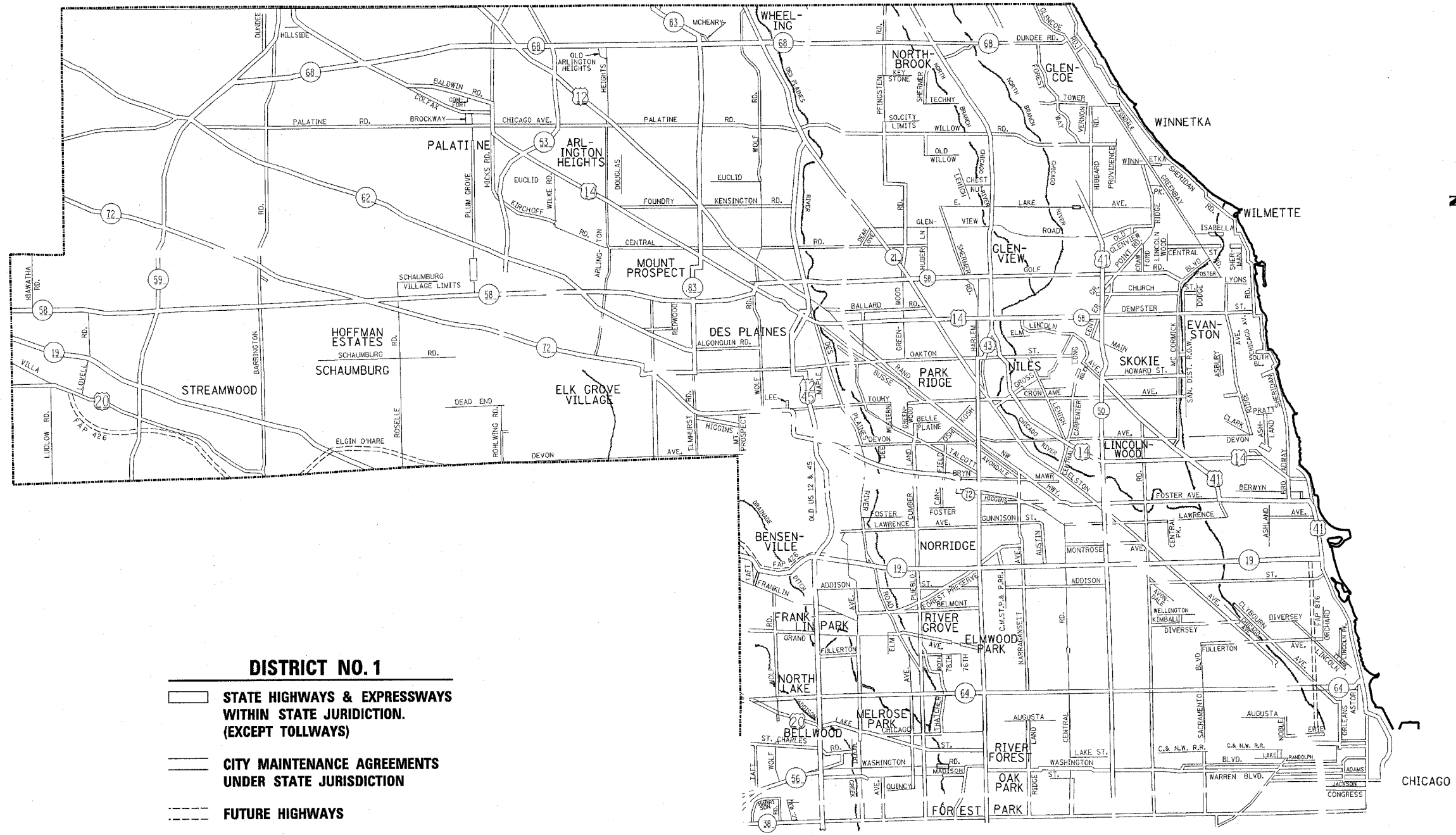
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ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SCALE: VERT. _____
 DATE _____ HORIZ. _____
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| P.A. NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

* VARIOUS
CONTRACT NO. 60B39



DISTRICT NO. 1

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS)
- CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

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ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTHERN PART, DISTRICT 1

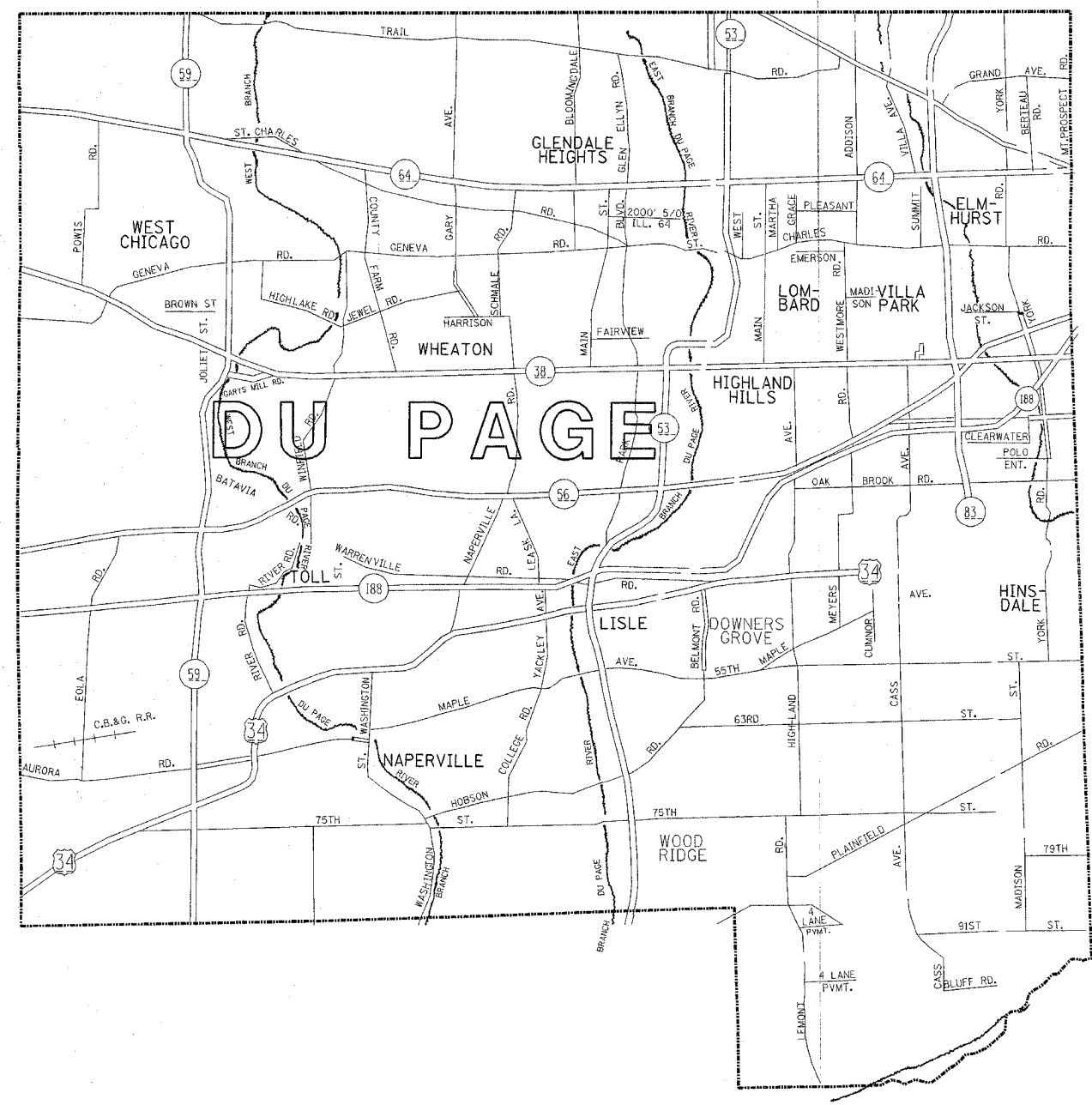
FENCE REPAIR LOCATION MAP
COOK COUNTY
NORTH OF AND INCLUDING
IL. ROUTE 38

SCALE: DATE: 9/28/2006

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| F. & A. RYE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. 2006-015 1 | * | | 14 | 5 |
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| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

* VARIOUS
CONTRACT NO. 60B39



DISTRICT NO. 1

- CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

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ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTHERN PART, DISTRICT 1

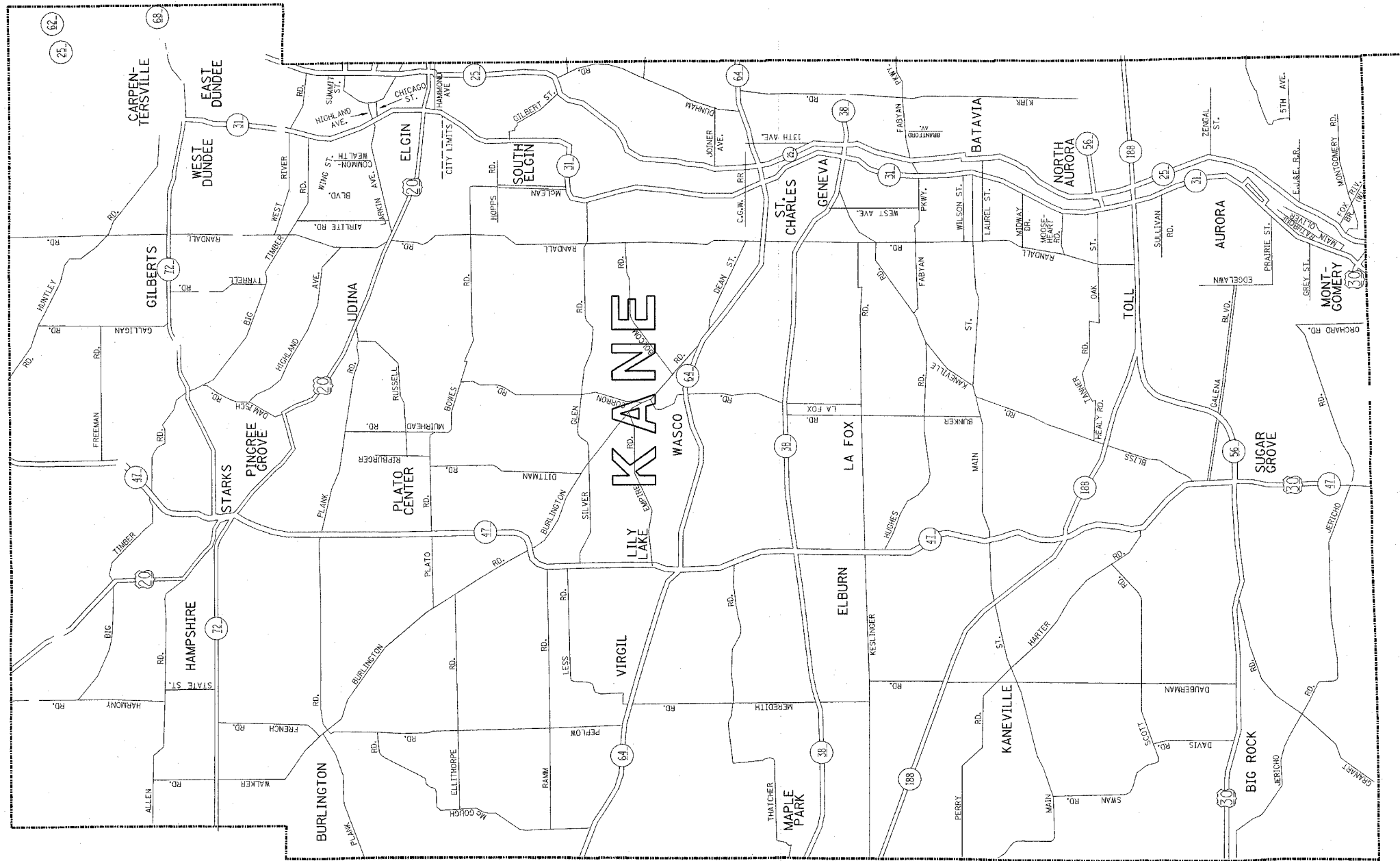
FENCE REPAIR
DU PAGE COUNTY
NORTH AND INCLUDING OF IL. ROUTE 38

SCALE: 1"=1.5 MILES
DATE: 9/28/2006





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* VARIOUS
CONTRACT NO. 60B39



DISTRICT NO. 1

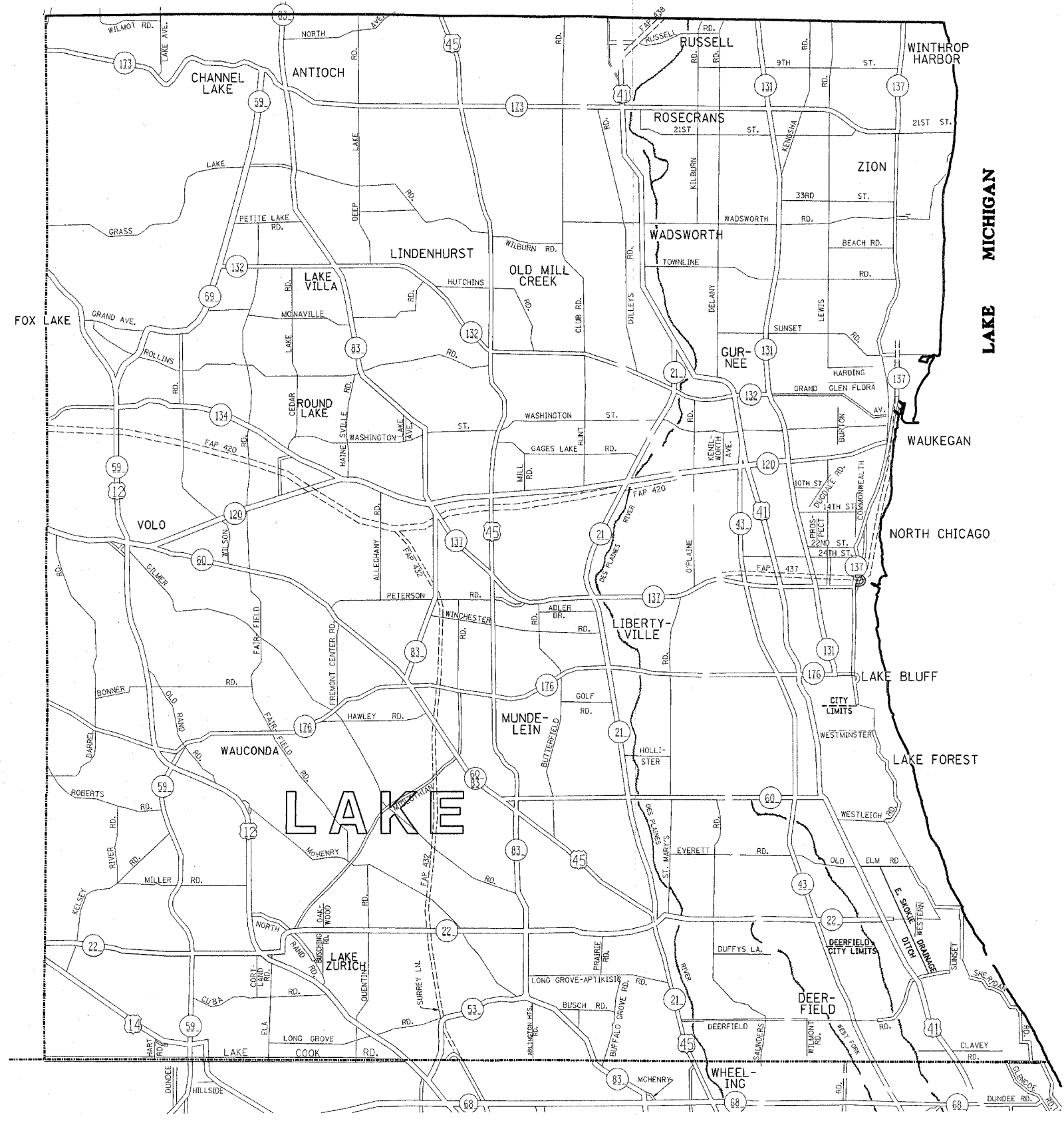
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-  CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION
-  FUTURE HIGHWAYS
-  VARIOUS AGENCIES HIGHWAYS

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ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTHERN PART, DISTRICT 1
**FENCE REPAIR
LOCATION MAP
KANE COUNTY
NORTH OF AND INCLUDING IL. ROUTE 38**
SCALE: 1"=1.5 MILES
DATE: 9/28/2006
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* MC HENRY, LAKE, KANE, DU PAGE AND COOK
CONTRACT NO. 60B39



DISTRICT NO. 1

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS)
- CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

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ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTHERN PART, DISTRICT 1

FENCE REPAIR
LOCATION MAP
LAKE COUNTY

SCALE: 1"=1.5 MILES
DATE: 9/28/2006

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


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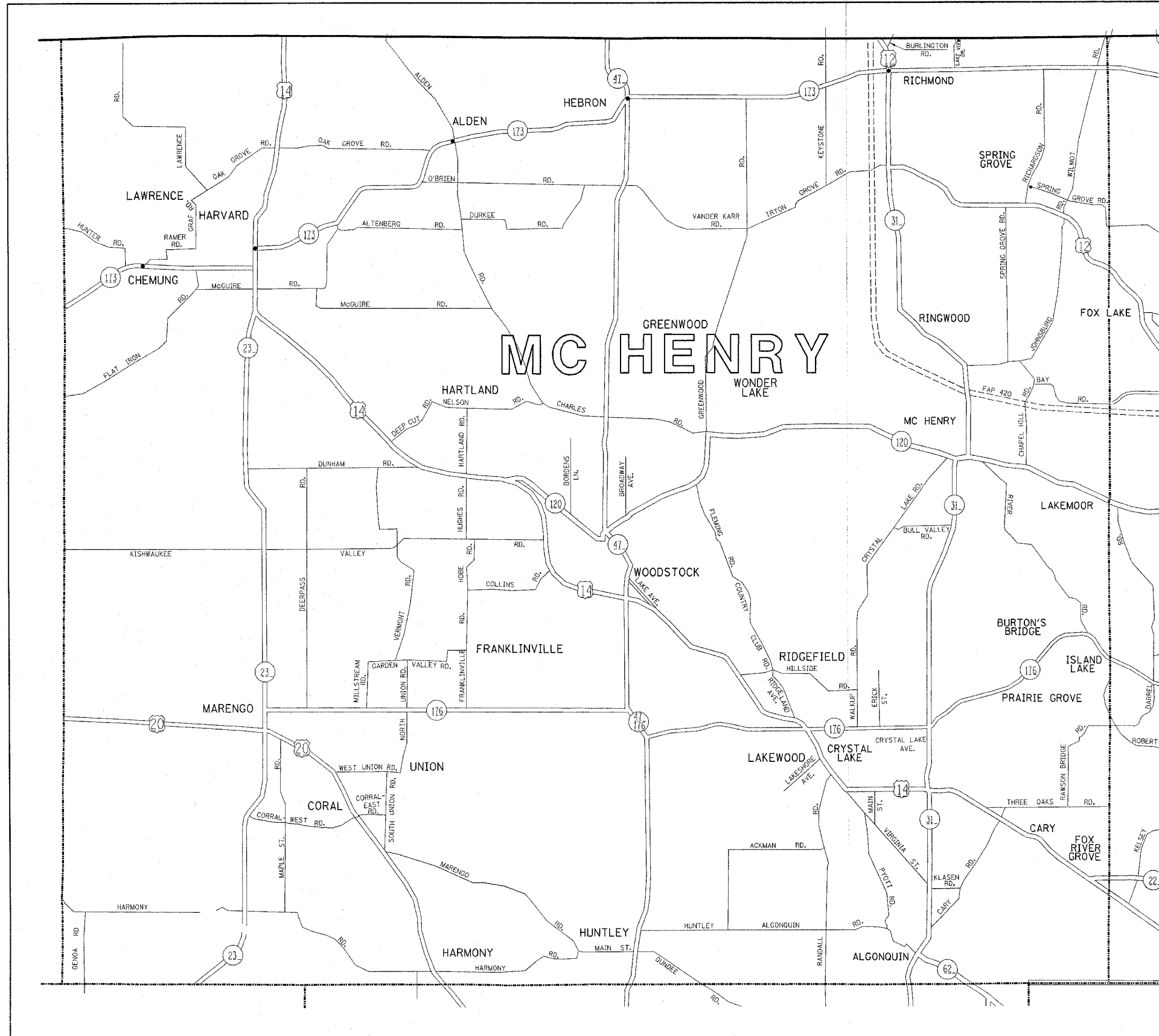
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* MC HENRY, LAKE, KANE, DU PAGE AND COOK
 CONTRACT NO. 60B39



DISTRICT NO. 1

-  STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS)
-  CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION
-  FUTURE HIGHWAYS
-  VARIOUS AGENCIES HIGHWAYS



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ILLINOIS DEPARTMENT OF TRANSPORTATION
 NORTHERN PART, DISTRICT 1

FENCE REPAIR
 LOCATION MAP
 MC HENRY COUNTY

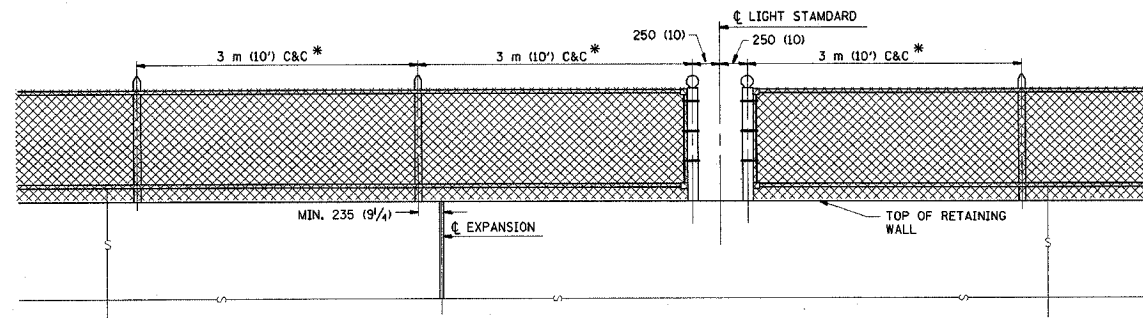
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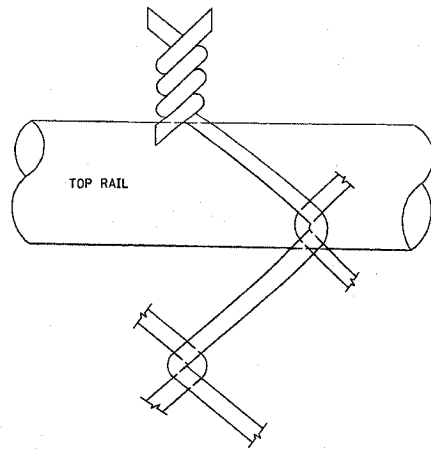
CONTRACT NO. 60B39

NOTE
 * MAXIMUM POST SPACING SHALL BE 3 m (10') C&C EXCEPT WHERE OTHERWISE SHOWN ON PLANS

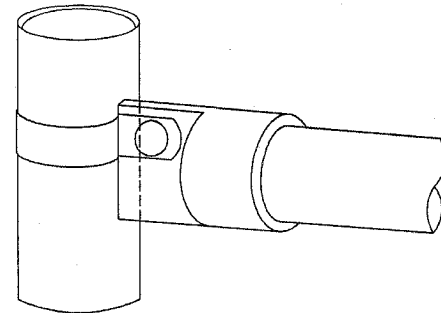


ELEVATION VIEW OF RETAINING WALL WITH PEDESTRIAN BARRIER TYPE III

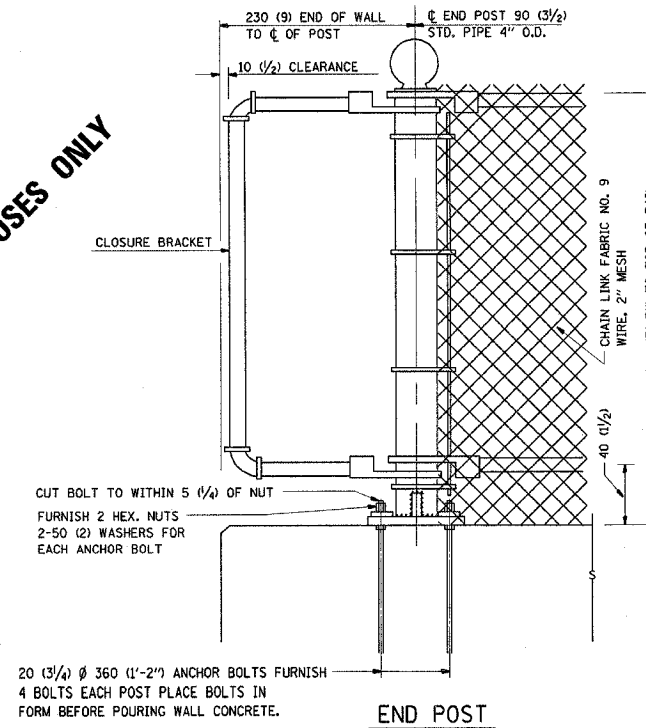
FOR INFORMATIONAL PURPOSES ONLY



WIRE MESH FABRIC TO BE BARBED AT THE TOP



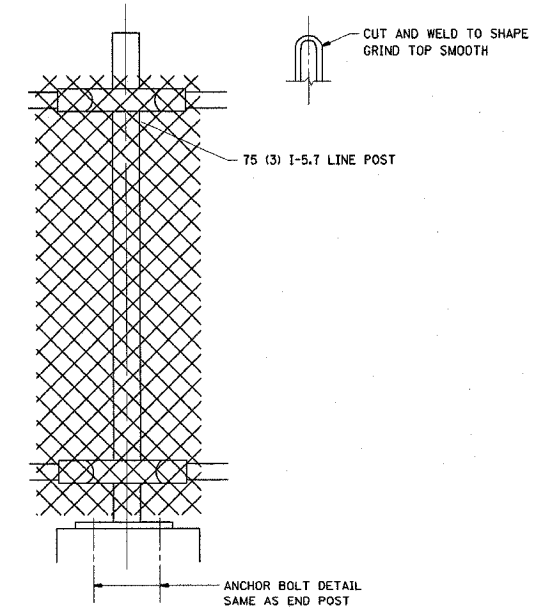
RAIL FITTING AT END POSTS



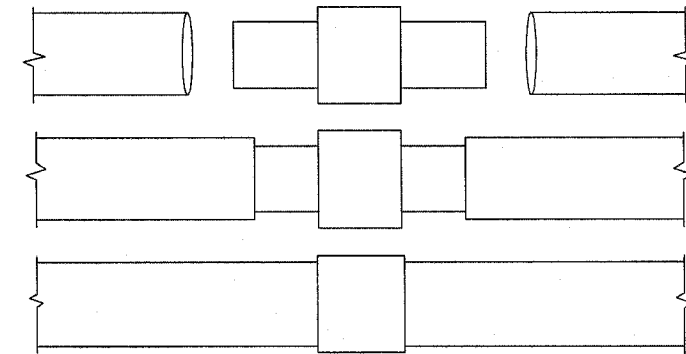
20 (3/4) ϕ 360 (1'-2") ANCHOR BOLTS FURNISH 4 BOLTS EACH POST PLACE BOLTS IN FORM BEFORE POURING WALL CONCRETE.

END POST

NOTE:
 THE COST OF FURNISHING ANCHOR BOLTS, NUTS, & WASHERS TO BE INCIDENTAL

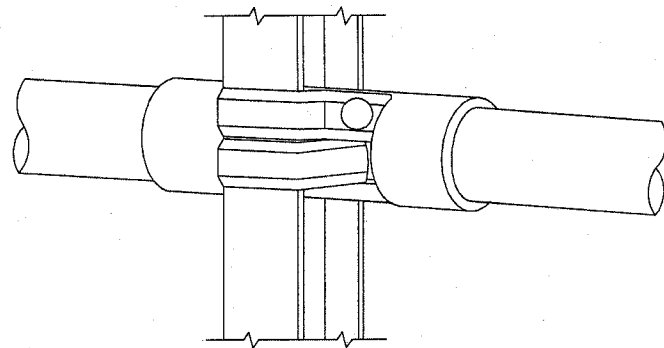


LINE POST

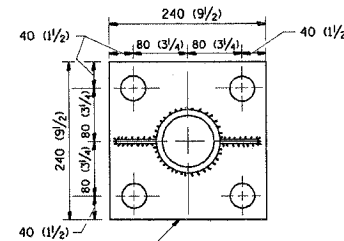


EXPANSION COUPLING DETAIL

NOTE:
 EXP. COUPLING TO APPEAR IN TOP AND BOTTOM RAILS WHERE EVER EXP. JT. APPEARS IN STRUCTURE.



RAIL FITTING ON SECTION LINE POST



240 (9 1/2) X 80 (3 1/4) X 240 (9 1/2) BASE PLATE
 4-30 (1 1/4) ϕ HOLES FOR END ϕ LINE POSTS

ANCHOR PLATE DETAILS

NOTE:
 POST, PLATE AND GUSSET ASSEMBLY SHALL BE GALVANIZED AFTER ALL CUTTING, DRILLING, WELDING, AND FABRICATION HAVE BEEN COMPLETED. THE GALVANIZED COATING SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 120. THE GALVANIZED COATING SHALL NOT BE LESS THAN 610 G/SQ M (2.0 OZ./SQ. FT.) OF SURFACE.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PEDESTRIAN BARRIER TYPE III
 STD. 10-SS-514 R

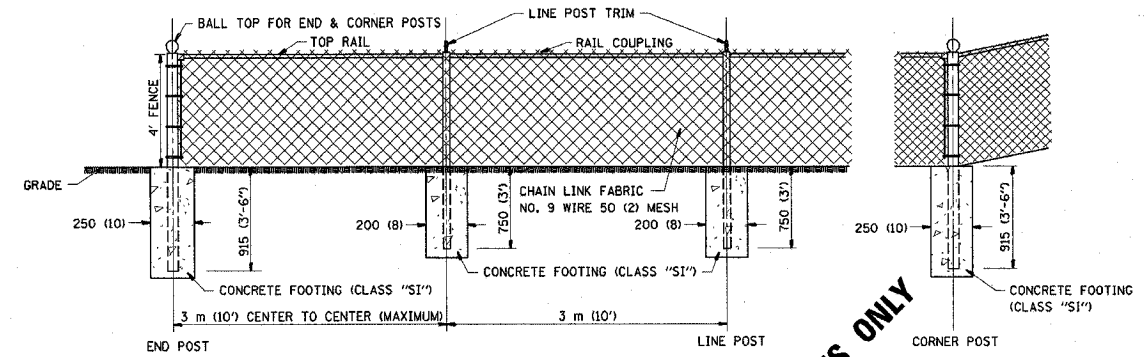
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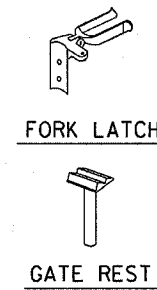
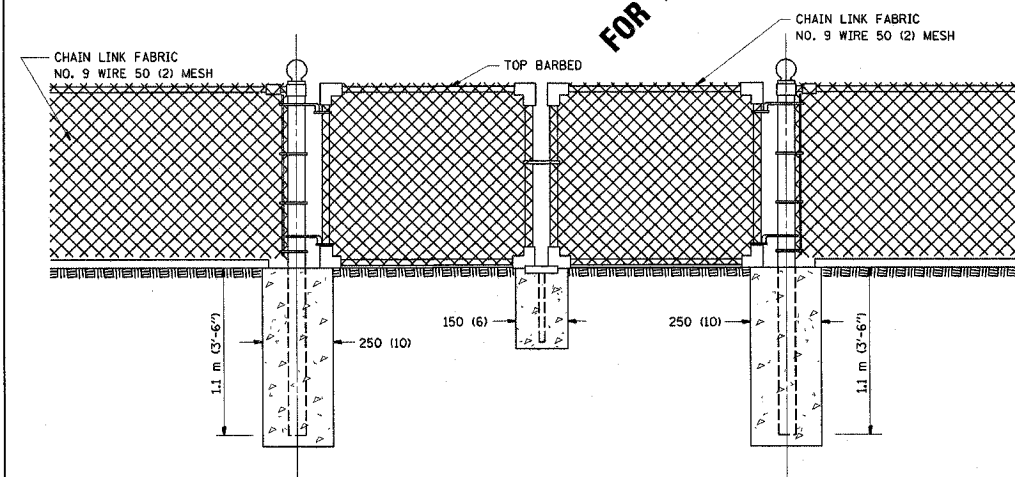
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CONTRACT NO. 60B39



CHAIN LINK FENCE

FOR INFORMATIONAL PURPOSES ONLY



ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE
10-SS-506 B

SCALE: NONE
DATE: 9/28/2006

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NOTE:
THE CHAIN LINK FENCE AS SHOWN HEREIN SHALL BE CONSTRUCTED AT SUCH LOCATIONS AS SHOWN ON PLANS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS

THE ENGINEER SHALL ESTABLISH ALL NECESSARY LINE AND GRADE PRIOR TO THE ERECTION OF THE FENCE IN CONFORMANCE WITH THE PLANS

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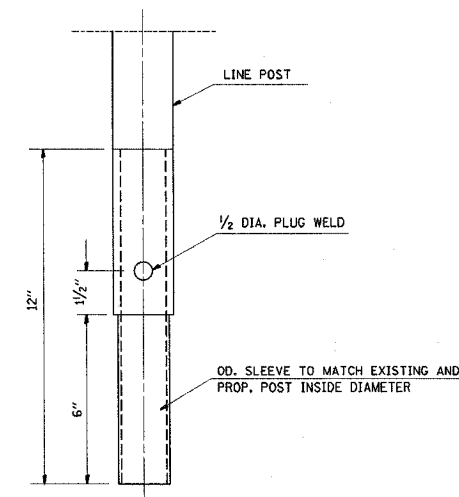
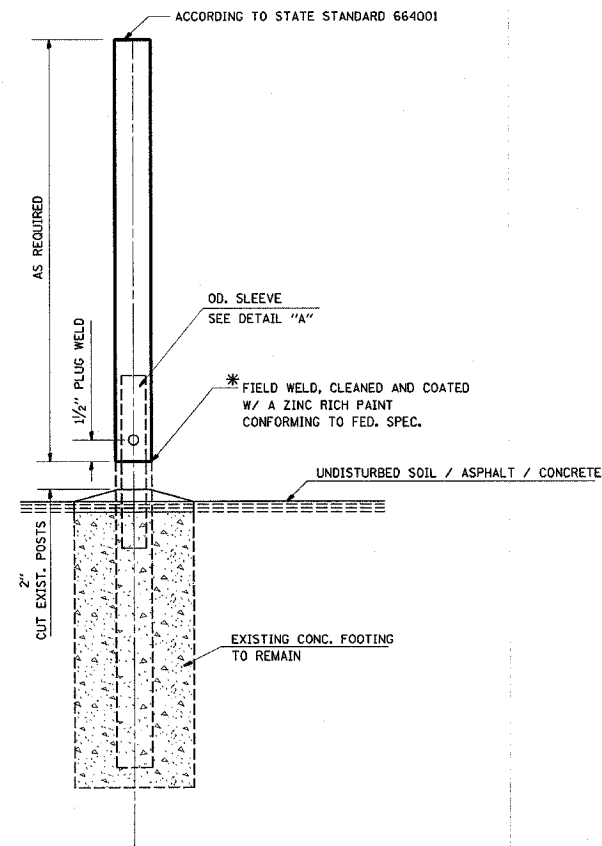
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| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

CONTRACT NO. 60B39

GENERAL NOTES:

THIS WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO REPAIR CHAIN LINK FENCE POST SLEEVE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, AND IN ACCORDANCE WITH STATE STANDARD 664001.

BASIS OF PAVEMENT: THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "CHAIN LINK FENCE POST SLEEVE REPAIR" WHICH PRICE SHALL BE PAYMENT IN FULL TO COMPLETE THE WORK AS SPECIFIED HEREIN.



SLEEVE DET. DWG
DETAIL "A"
SLEEVE DETAIL

* THIS WORK SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "CHAIN LINK FENCE POST SLEEVE REPAIR"

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ILLINOIS DEPARTMENT OF TRANSPORTATION
CHAIN LINK FENCE POST SLEEVE REPAIR DETAIL
SCALE: NONE
DATE: 9/29/2006
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| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | | |

CONTRACT NO. 60B39

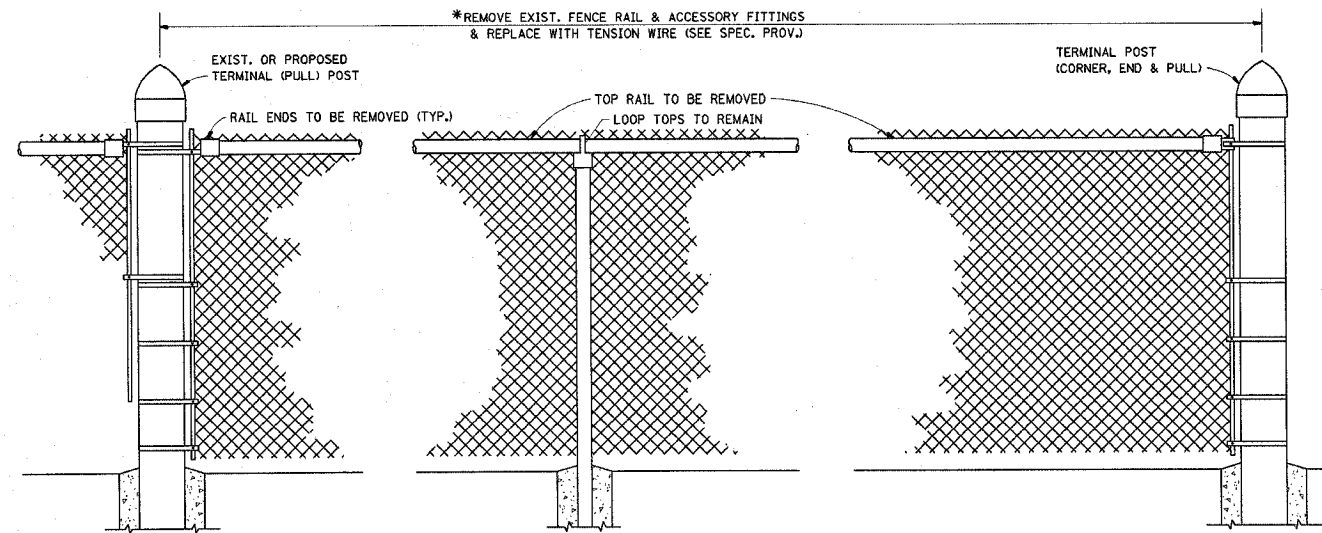
GENERAL NOTES

FENCE RAIL REMOVAL: THIS ITEM CONSISTS OF REMOVING EXISTING TOP OR BOTTOM RAIL (DAMAGED OR UNDAMAGED) AND REPLACING WITH TENSION WIRE. BOTTOM TENSION WIRE SHALL BE CONSIDERED INCIDENTAL EXCEPT AT LOCATIONS OF EXISTING BOTTOM RAIL REMOVAL.

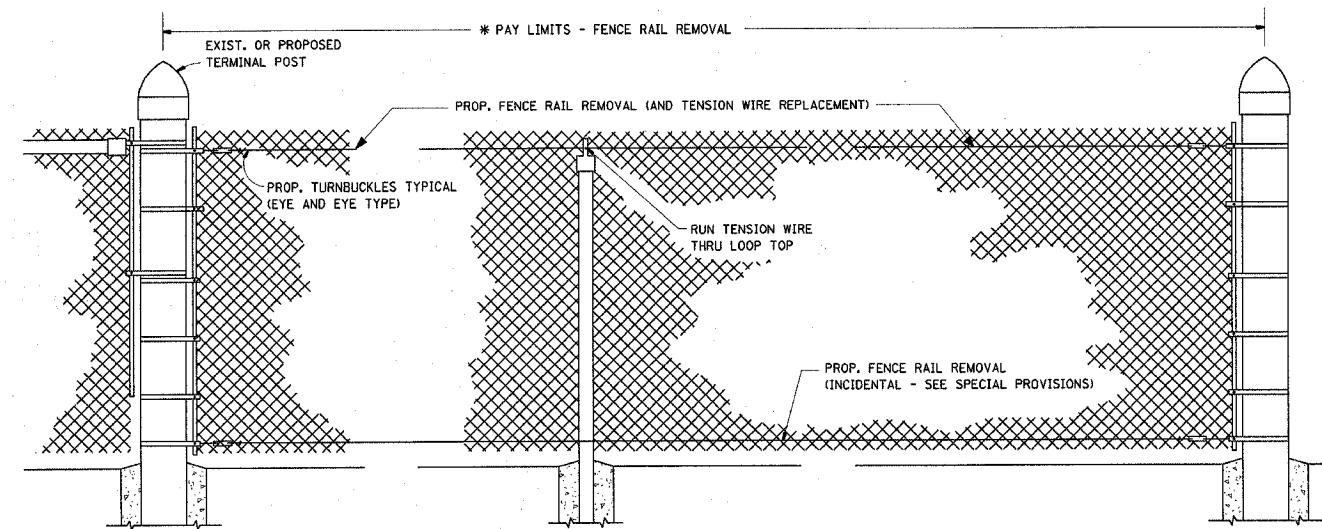
TENSION WIRE: THIS ITEM CONSISTS OF INSTALLING TENSION WIRE, TOP OR BOTTOM, WHERE TOP OR BOTTOM RAIL IS NON-EXISTENT, OR WHERE EXISTING DAMAGED TENSION WIRE IS REMOVED AND REPLACED BY NEW TENSION WIRE.

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, STANDARD SPECIFICATIONS AND STANDARD 664001.

REPLACEMENT OF OTHER FENCE COMPONENT PARTS SHALL BE MEASURED AND PAID FOR SEPARATELY AS DESCRIBED IN THE SPECIAL PROVISIONS.

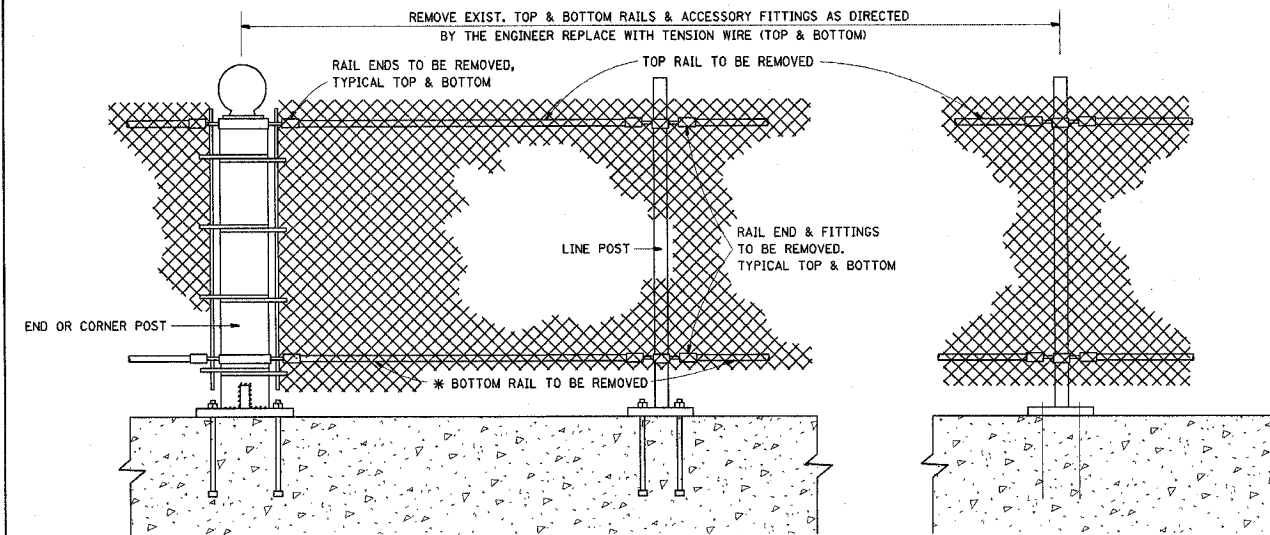


EXIST. CHAIN LINK FENCE WITH TOP RAIL

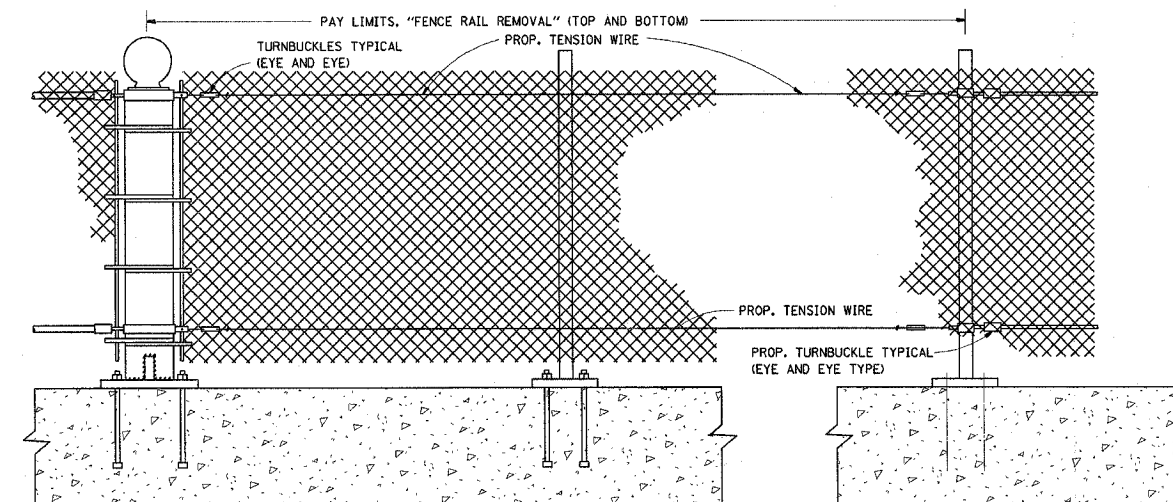


PROP. CHAIN LINK FENCE WITH "FENCE RAIL REMOVAL"

* THE ENGINEER IN CHARGE SHALL DETERMINE THE LENGTH OF FENCE RAIL TO BE REMOVED & REPLACED WITH "TENSION WIRE"



EXIST. PEDESTRIAN BARRIER TYPE 3 WITH TOP AND BOTTOM RAILS



PROP. PEDESTRIAN BARRIER TYPE 3 WITH FENCE RAIL REMOVAL

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

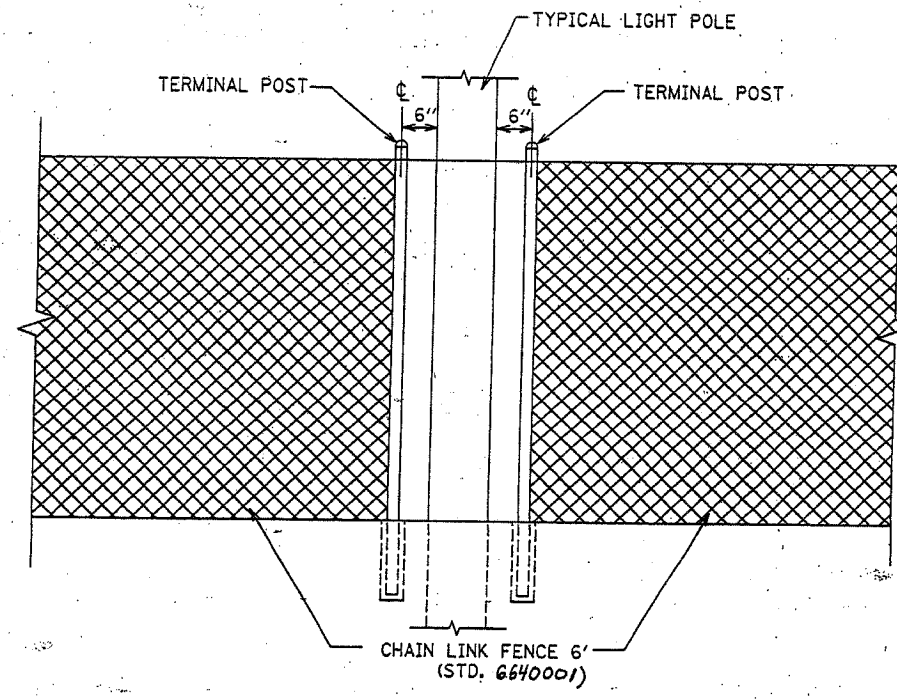
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ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PEDESTRIAN BARRIER AND CHAIN LINK FENCE WITH TENSION WIRE AND FENCE RAIL REMOVAL

SCALE: NONE
 DATE: 9/28/2006
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 CHECKED BY:

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| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | |

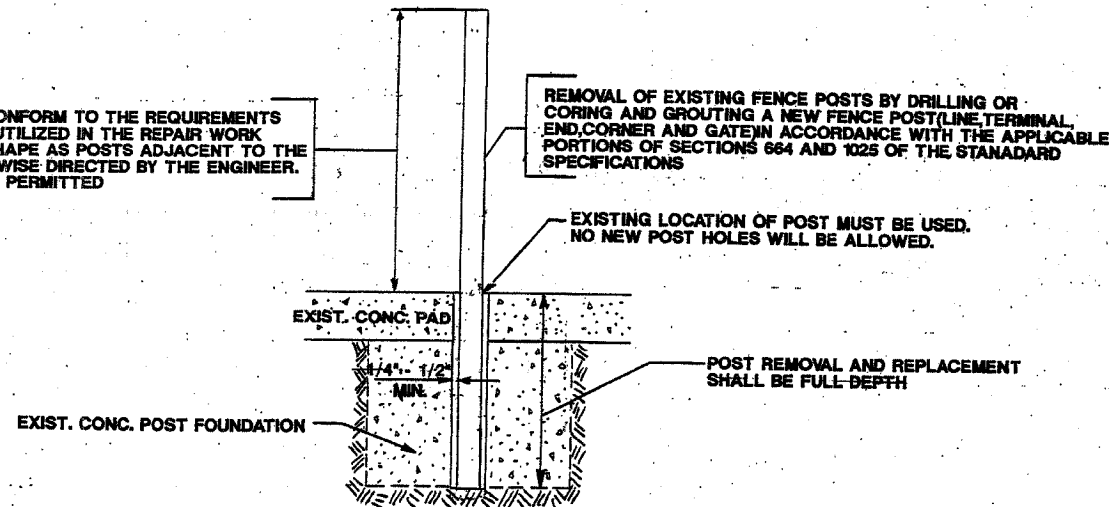
CONTRACT 60B39



FENCE CONFLICT WITH LIGHT POLE

N.T.S.

GALVANIZED POSTS SHALL CONFORM TO THE REQUIREMENTS OF STANDARD 664001 POSTS UTILIZED IN THE REPAIR WORK SHALL BE THE SAME TYPE SHAPE AS POSTS ADJACENT TO THE REPAIR AREA UNLESS OTHERWISE DIRECTED BY THE ENGINEER. NO USED MATERIALS WILL BE PERMITTED



POST REMOVAL AND REPLACEMENT

| REVISIONS | |
|-----------|------|
| NAME | DATE |
| | |
| | |
| | |
| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION

SPECIAL DETAILS

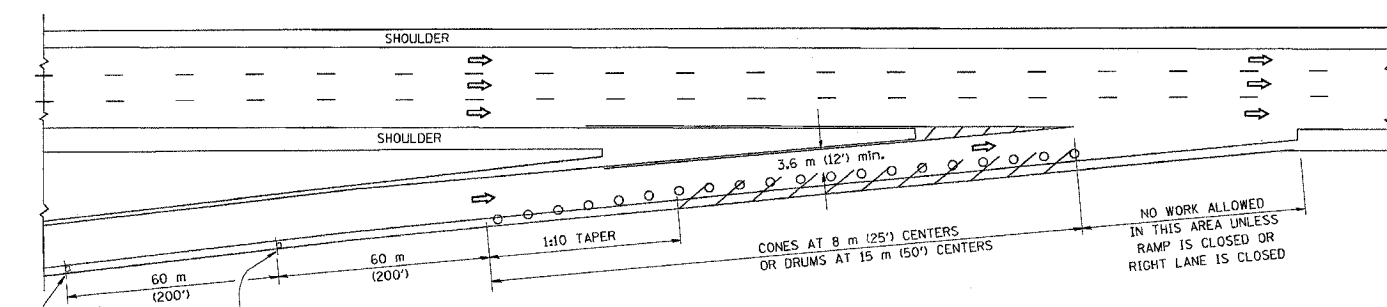
SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 DESIGNED BY _____
 CHECKED BY _____

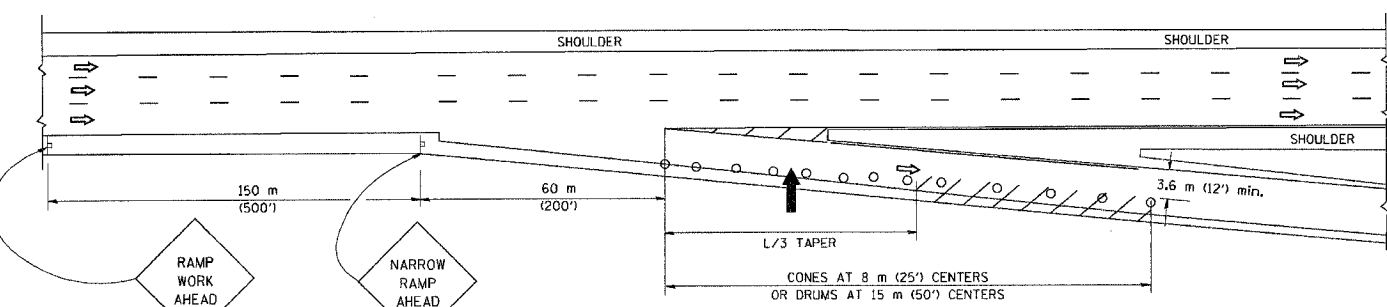
PARTIAL RAMP CLOSURE DETAILS

SHOULDER CLOSURE DETAILS

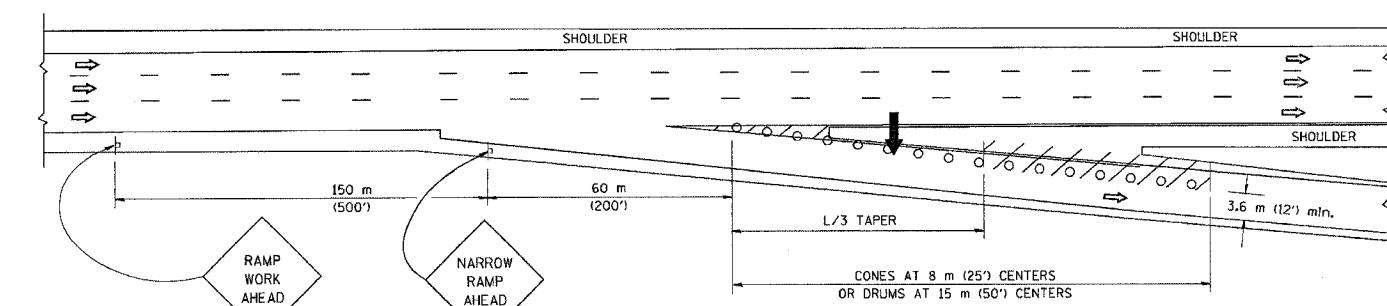
| | | | | |
|---------------------|---------------------------|---------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| Var | 2006-015 I | Various | 14 | 14 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT | | | |



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

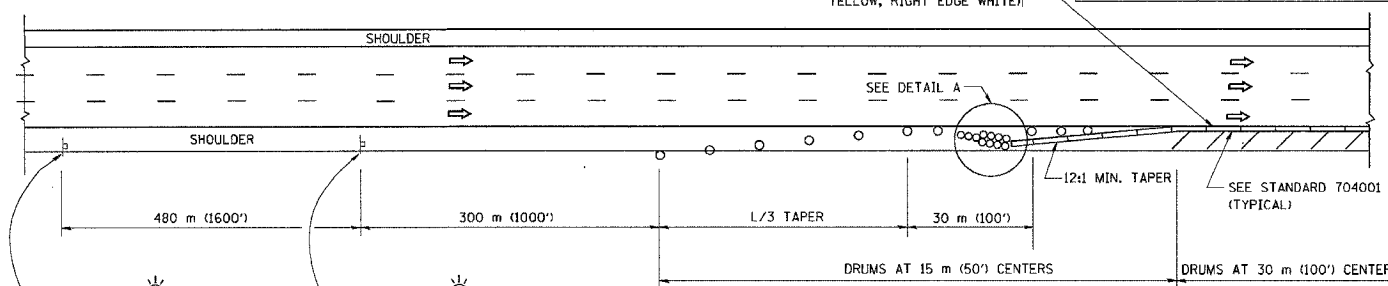
- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- CONES - 700 (28) IN HEIGHT

GENERAL NOTES

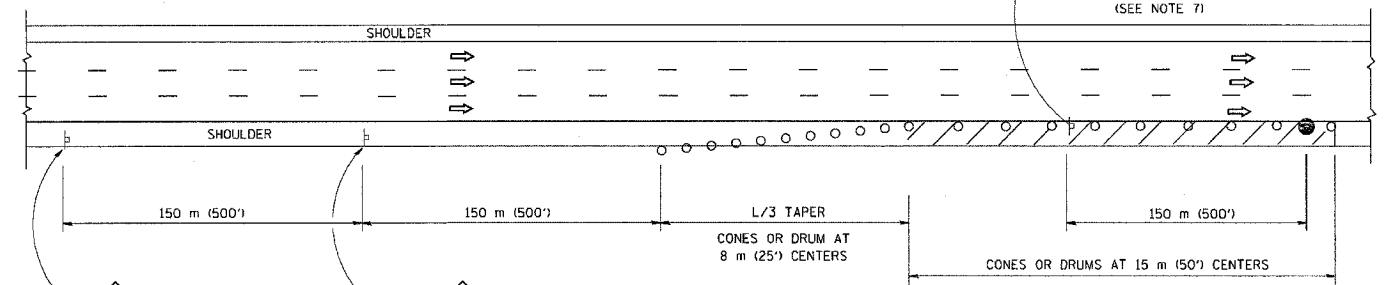
1. THE "L" DISTANCE EQUALS:

| | |
|------------------|----------------------|
| SPEED LIMIT | FORMULAS |
| 80 km/h (45 mph) | METRIC $L=0.65(WXS)$ |
| OR GREATER: | ENGLISH $L=(WXS)$ |

W = WIDTH OF OFFSET IN METERS (FEET)
S = NORMAL POSTED SPEED KM/H (MPH)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

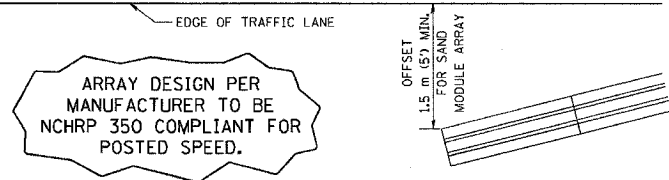


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRDACH IN AN AREA CLOSER THAN 4.5 m (15') TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE "TRAFFIC BARRIER TERMINAL, TYPE III, TEMPORARY" DEVICE TO MEET NCHRP350 FOR POSTED SPEED.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCRDACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 30 m (100') TO 60 m (200') IN ADVANCE OF THE WORKERS.

| REVISIONS | |
|-----------|-------|
| NAME | DATE |
| DWS | 11/96 |
| JAF | 12/02 |
| NCHRP 350 | 04/03 |
| JAF | 2/06 |
| | |
| | |
| | |
| | |

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS
FOR FREEWAY
SHOULDER CLOSURES
PARTIAL RAMP CLOSURES

SCALE: NONE
DATE: 3/1/2006

DESIGNED BY: DWS
DRAWN BY
CHECKED BY
TC-17