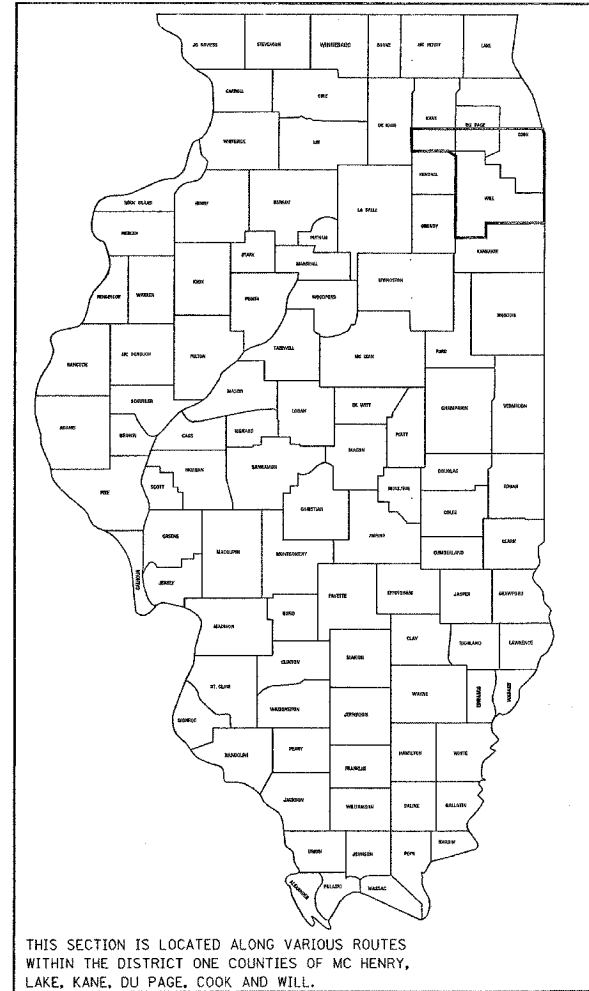


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED HIGHWAY

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2005-024 I	VARIOUS	13	1

D-91-211-05
CONTRACT NO. 62958



SCALES { PLAN
PROFILE HORIZ.
PROFILE VERT.
CROSS SECTIONS

ROUTE: VARIOUS EXPRESSWAYS AND ARTERIAL
HIGHWAYS – SOUTHERN PART, DISTRICT ONE
SECTION: 2005-024 I
FENCE REPAIR
COUNTY: VARIOUS DISTRICT WIDE
C-91-211-05

FOR INDEX OF SHEETS, SEE SHEET 2

SEE LOCATION MAPS
SHEETS 4 THRU 76

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED September 16, 2005
Dina O'Neil/PP
DEPUTY DIRECTOR OF HIGHWAYS/REGION ENGINEER

EXAMINED October 14, 2005
Mike Hane/10
ENGINEER OF DESIGN AND ENVIRONMENT

PASSED October 14, 2005
Eric P. Hann/10
DEPUTY DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY AUTHORITY OF THE
STATE OF ILLINOIS

CONTRACT NO. 62958

REGION ONE -- BUREAU OF DESIGN
PLAN PREPARATION ENGINEER: K. ENG'R. BORO (847) 705-6178

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2005-024 I.	VARIOUS	13	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

INDEX OF SHEETS

1. TITLE SHEET
2. INDEX OF SHEETS
LIST OF APPLICABLE STATE STANDARDS
3. SUMMARY OF QUANTITIES
4. COOK COUNTY (SOUTH OF ILL. 38) LOCATION MAP
5. DUPAGE COUNTY (SOUTH OF ILL. 38) LOCATION MAP
6. KANE COUNTY (SOUTH OF ILL. 38) LOCATION MAP
7. WILL COUNTY LOCATION MAP
8. DETAILS OF PEDESTRIAN BARRIER TYPE III (STD. 10-SS-514R)
9. CHAIN LINK FENCE (STD. 10-SS-506B)
10. CHAIN LINK FENCE POST SLEEVE REPAIR DETAIL
11. PROPOSED PEDESTRIAN BARRIER AND CHAIN LINK FENCE WITH TENSION WIRE AND FENCE RAIL REMOVAL
12. SPECIAL DETAILS
13. TRAFFIC CONTROL DETAILS FOR SHOULDER CLOSURE AND PARTIAL RAMP CLOSURES

STATE STANDARDS

- 664001-01
- 665001
- 701001-01
- 701006-02
- 701101-01
- 701106-01
- 701201-02
- 701301-02
- 701411-03
- 701421-01
- 701422-01
- 701501-03
- 701606-04
- 710701-04
- 701801-03

PLOT DATE = 9/16/2005
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 PLOT SCALE = 48.000' / IN.
 USER NAME = ritchie

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND
LIST OF STATE STANDARDS

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2005-024 I.	VARIOUS	13	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

URBAN
Y10Z

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	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	21000	16800	4200
Z0010300	CHAIN LINK FABRIC, TYPE 3, SPECIAL	FOOT	500	400	100
Z0033200	LINE POST, TYPE 1	EACH	900	720	180
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

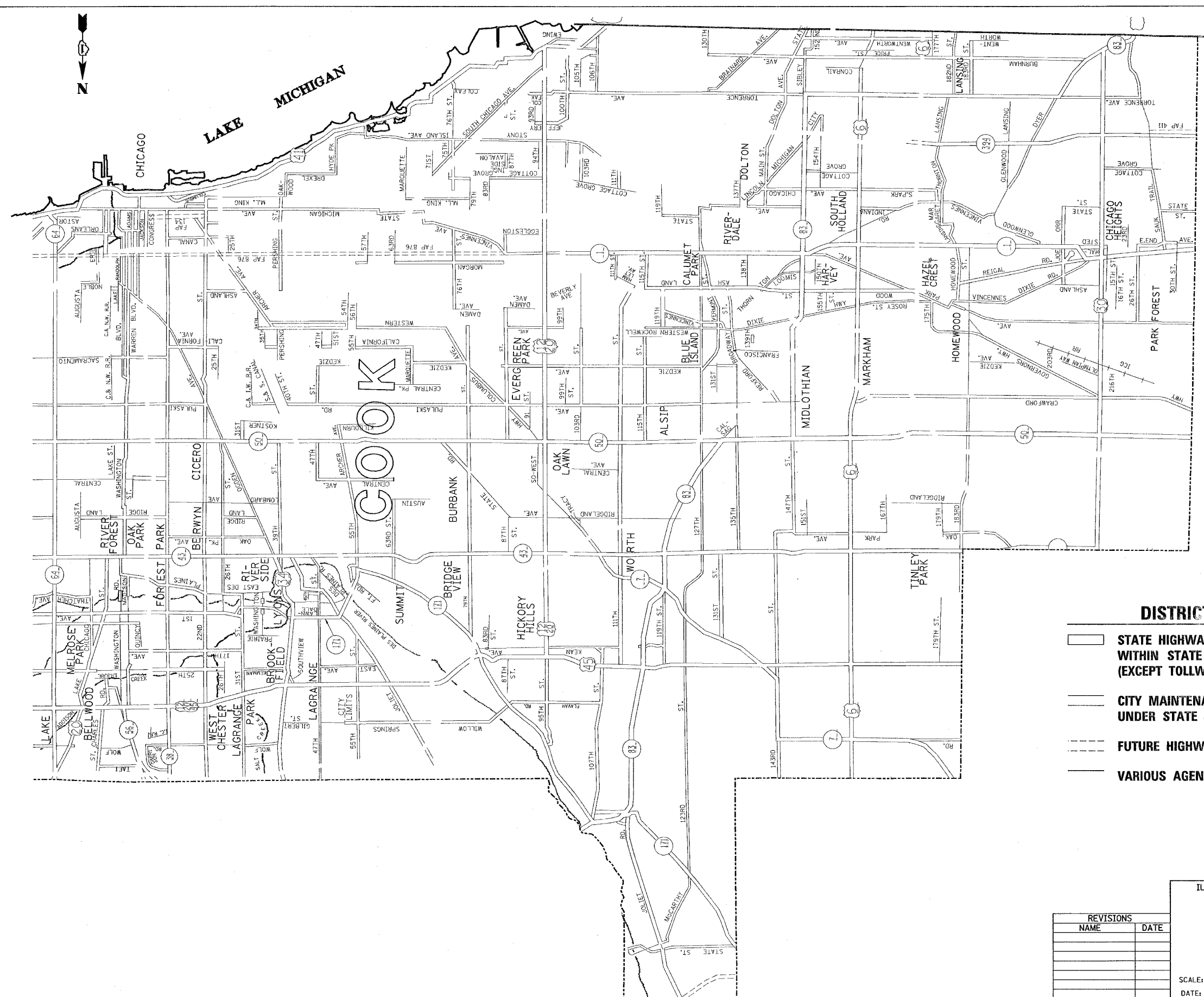
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 USER NAME = r101010

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES

SCALE: VERT.
 DATE: HORIZ.





DRAWN BY
 CHECKED BY



F. & A. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2005-024 I	*	13	4
STA.	TO STA.			
FED. ROAD DIST. NO.	BLANKS	FED. AID PROJECT		

* COOK, DUPAGE, KANE AND WILL
CONTRACT NO. 62958

DISTRICT NO. 1

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOUTHERN PART, DISTRICT 1

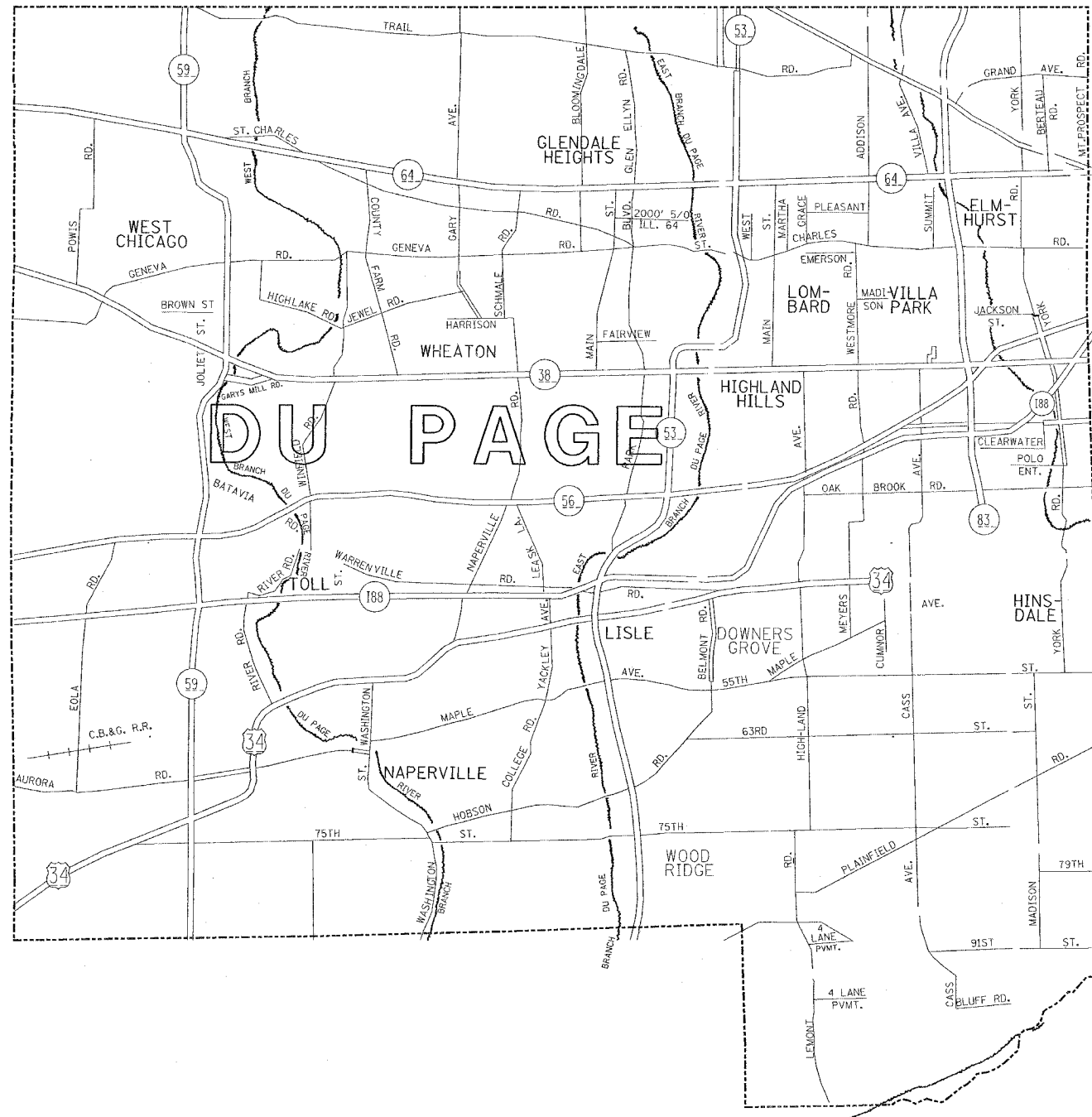
FENCE REPAIR
LOCATION MAP
COOK COUNTY
SOUTH OF ILL. RTE. 38

REVISIONS	
NAME	DATE




SCALE: 1"=3 MILES
DATE: 9/15/2005
DRAWN BY
CHECKED BY

P.A. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. 2005-024 I	*	DU PAGE	13	5
STA.	TO STA.			
FED. ROAD DIST. NO.	BALANCE	FED. AID PROJECT		

*WILL, KANE, DU PAGE AND COOK



DISTRICT NO. 1

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
NORTHERN PART, DISTRICT 1

FENCE REPAIR
DU PAGE COUNTY
SOUTH OF IL. ROUTE 38

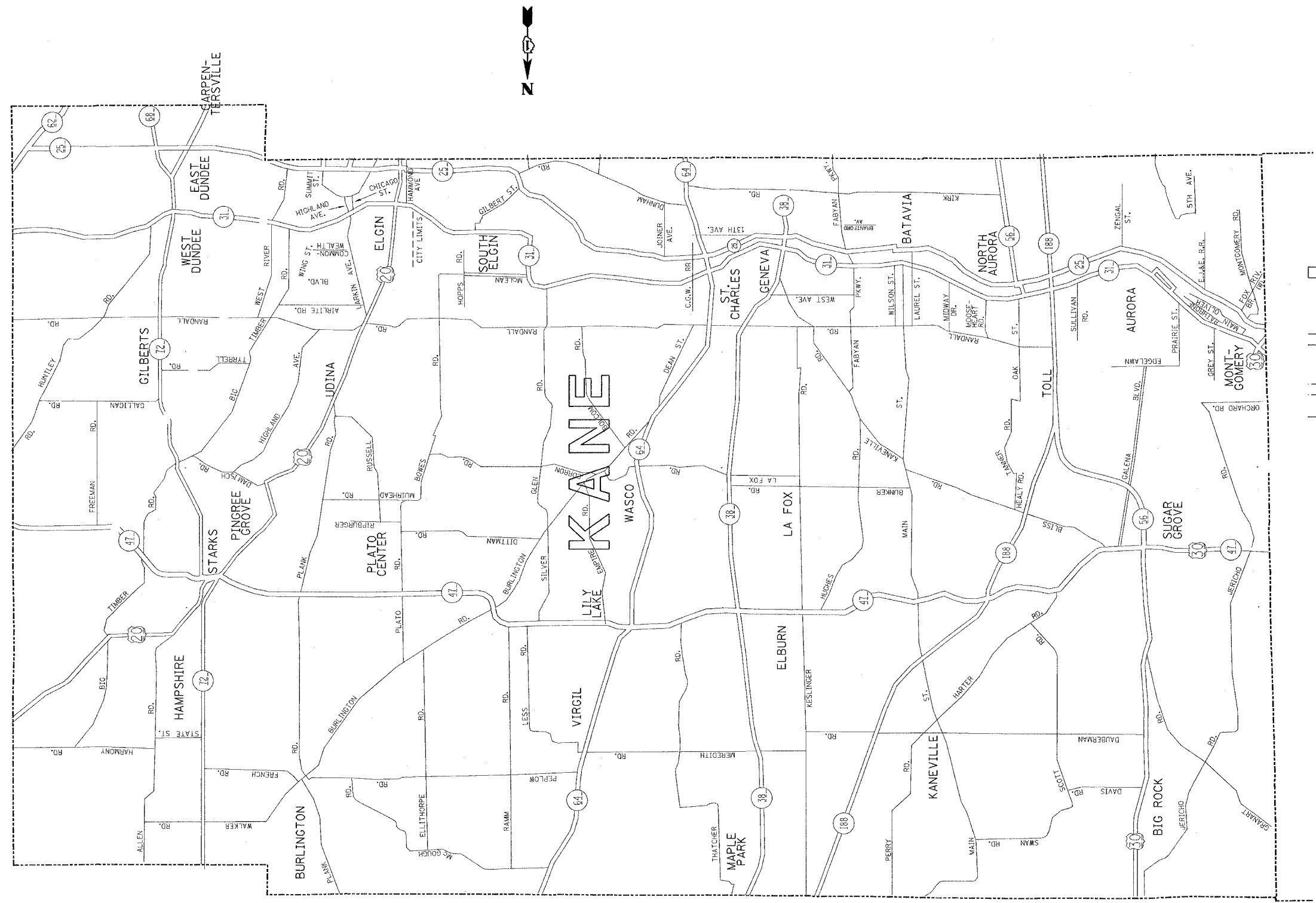
SCALE: 1"=1.5 MILES
DATE: 9/15/2005

DRAWN BY
CHECKED BY

REVISIONS	
NAME	DATE

P.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2005-024 I	*	13	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* KANE, DU PAGE, COOK AND WILL
CONTRACT NO. 62958



DISTRICT NO. 1

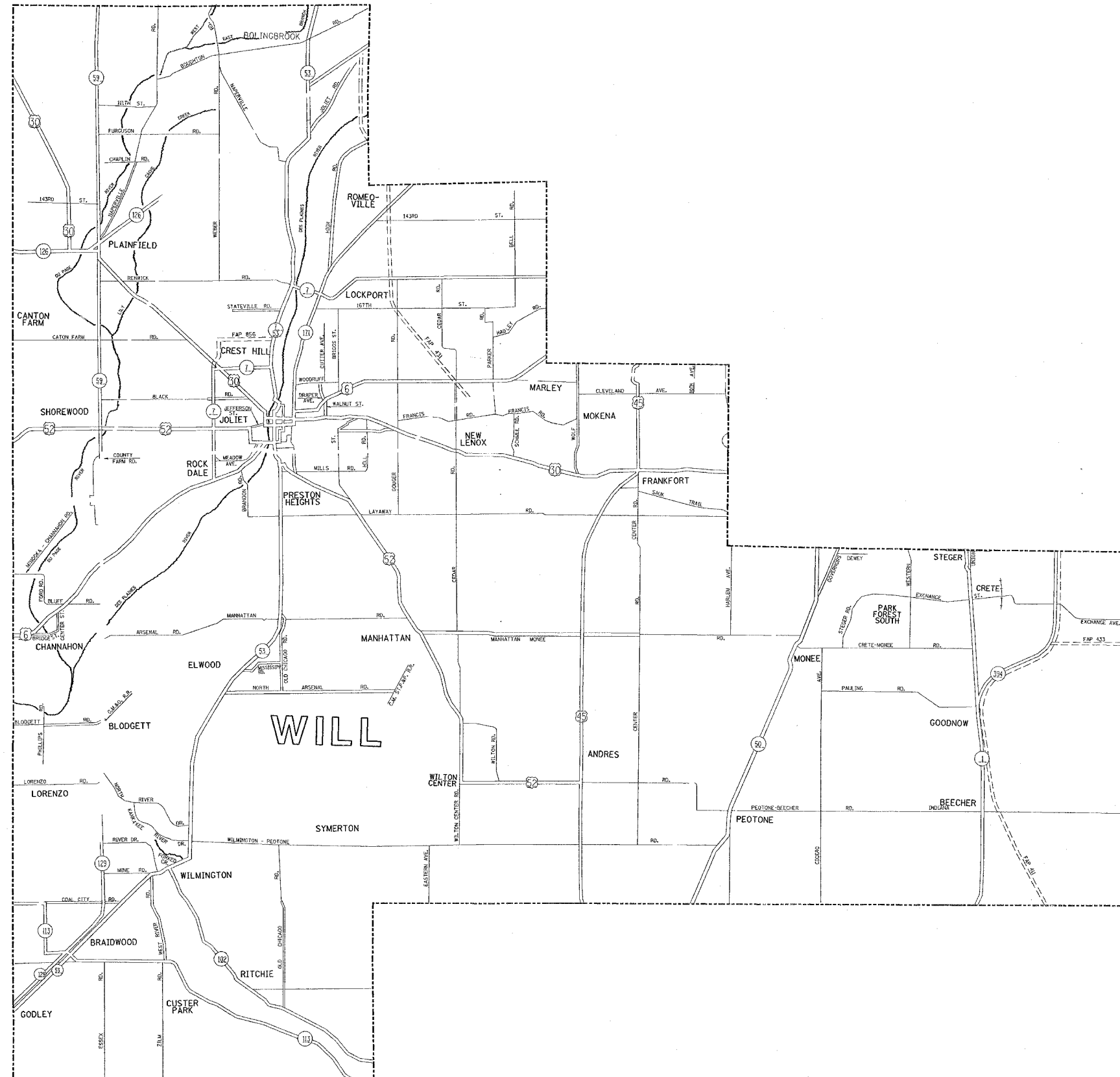
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

REVISIONS	
NAME	DATE





ILLINOIS DEPARTMENT OF TRANSPORTATION
SOUTHERN PART, DISTRICT 1
FENCE REPAIR
LOCATION MAP
KANE COUNTY
SOUTH OF IL. ROUTE 38
SCALE: 1"=1.5 MILES
DATE: 9/15/2005
DRAWN BY
CHECKED BY

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2005-024 I	*	13	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* KANE, DU PAGE, COOK AND WILL
CONTRACT NO. 62958



DISTRICT NO. 1

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

REVISIONS	
NAME	DATE

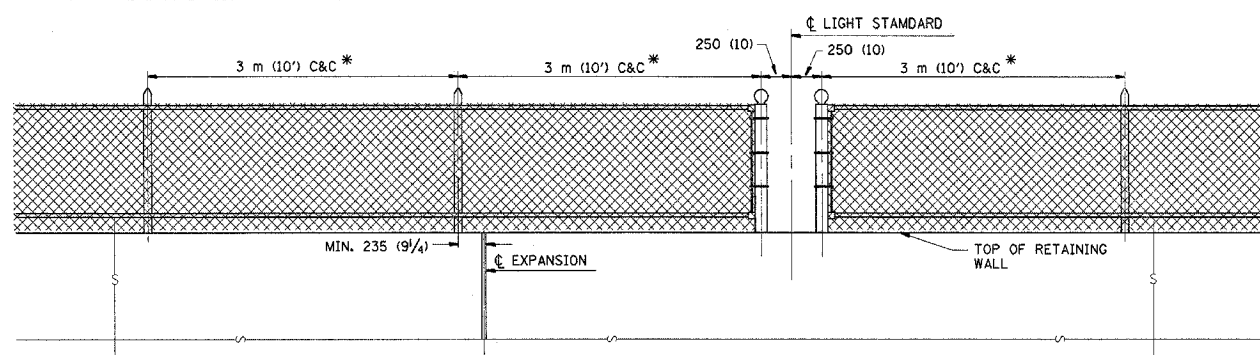
ILLINOIS DEPARTMENT OF TRANSPORTATION
SOUTHERN PART, DISTRICT 1

FENCE REPAIR
LOCATION MAP
WILL COUNTY

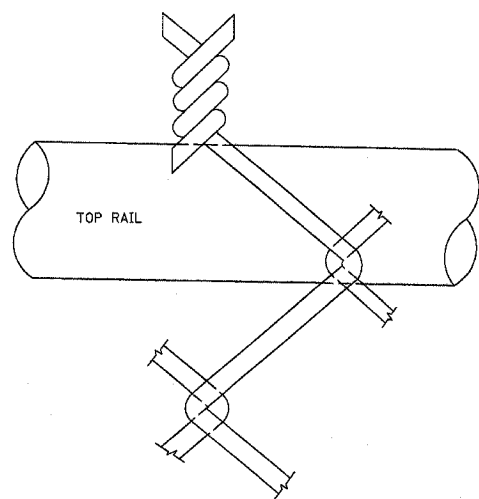
SCALE: 1"=2 MILES
DATE: 9/15/2005

DRAWN BY
CHECKED BY

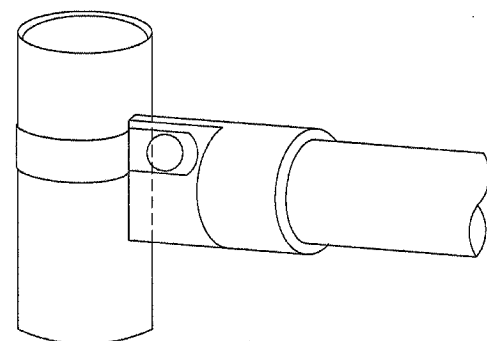
NOTE
 * MAXIMUM POST SPACING SHALL BE 3 m (10') C&C EXCEPT WHERE OTHERWISE SHOWN ON PLANS



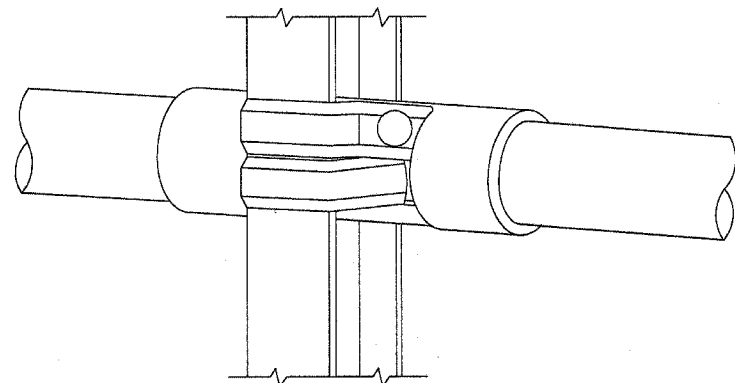
ELEVATION VIEW OF RETAINING WALL WITH PEDESTRIAN BARRIER TYPE III



WIRE MESH FABRIC TO BE BARBED AT THE TOP

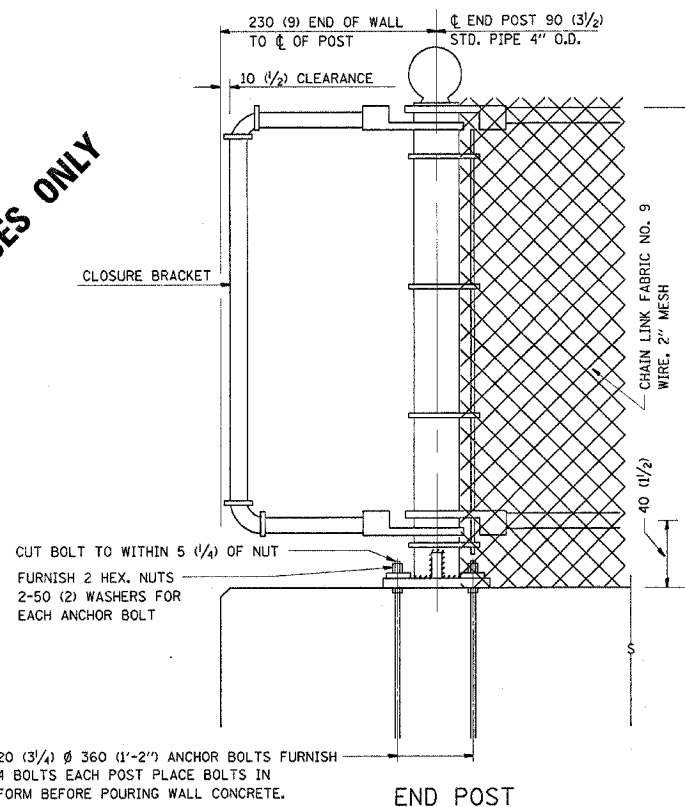


RAIL FITTING AT END POSTS



RAIL FITTING ON SECTION LINE POST

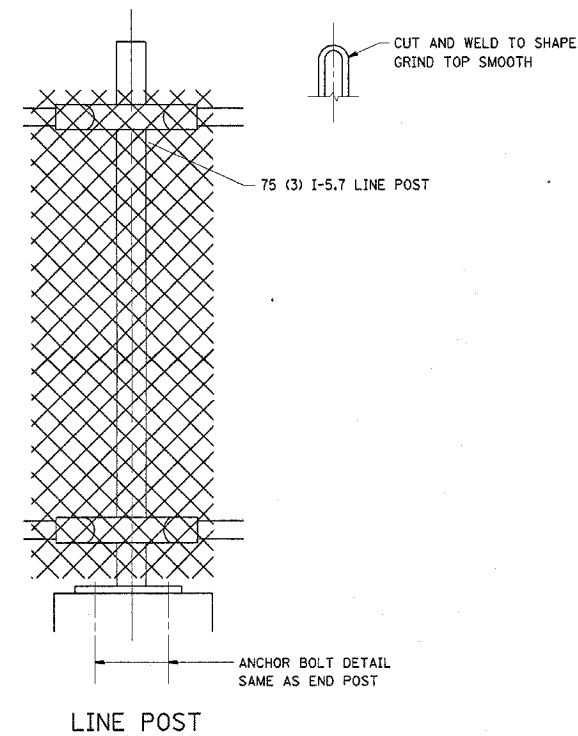
FOR INFORMATIONAL PURPOSES ONLY



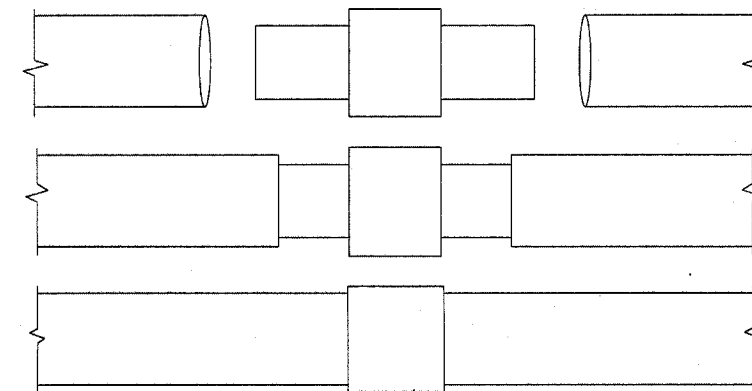
20 (3/4) Ø 360 (1'-2") ANCHOR BOLTS FURNISH 4 BOLTS EACH POST PLACE BOLTS IN FORM BEFORE POURING WALL CONCRETE.

END POST

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

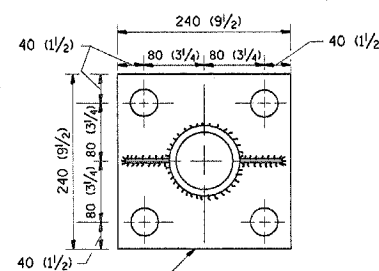


LINE POST



EXPANSION COUPLING DETAIL

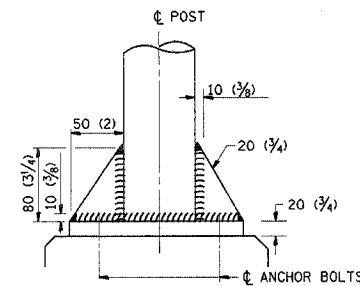
NOTE:
 EXP. COUPLING TO APPEAR IN TOP AND BOTTOM RAILS WHERE EVER EXP. JT. APPEARS IN STRUCTURE.



240 (9 1/2) X 80 (3 1/4) X 240 (9 1/2) BASE PL
 4-30 (1 1/4) Ø HOLES FOR END C 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.

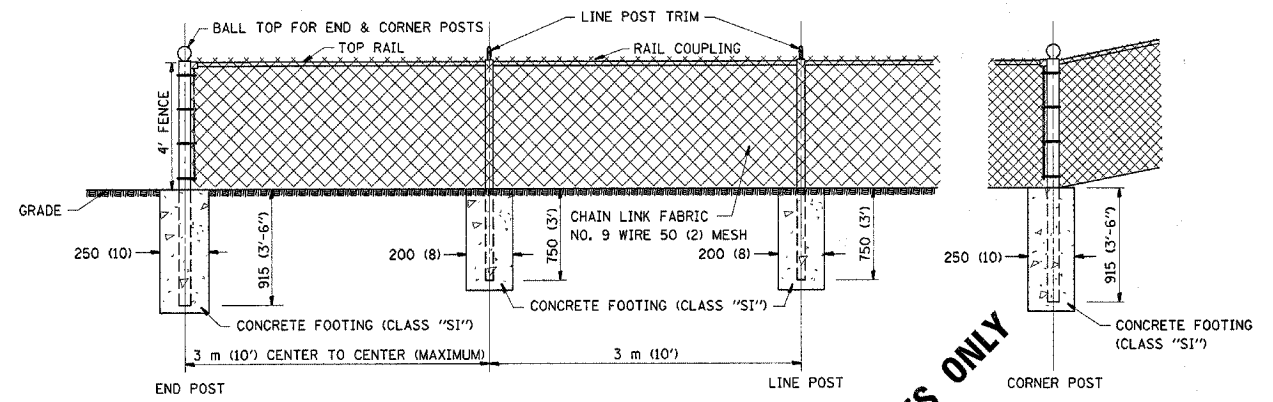
ILLINOIS DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE
 DATE: 9/15/2005

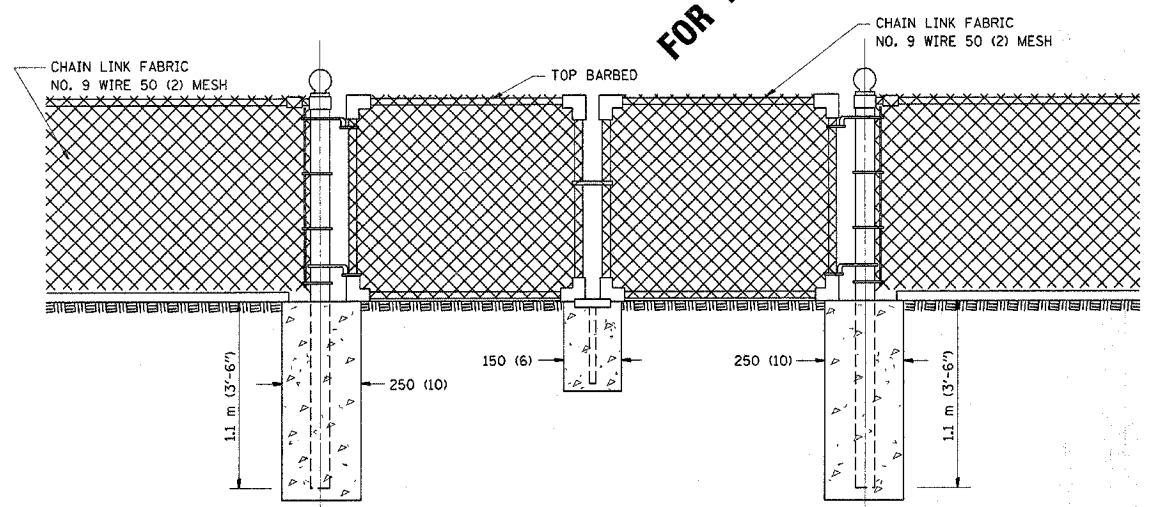
DRAWN BY C.A.D.D.
 CHECKED BY

REVISIONS	
NAME	DATE

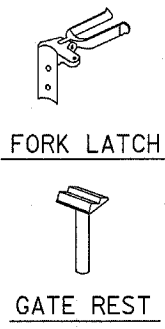


CHAIN LINK FENCE

FOR INFORMATIONAL PURPOSES ONLY



DRIVE GATE 1 m (3'-7") X 3 m (10')



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

REVISIONS	
NAME	DATE

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE
 10-SS-506 B

SCALE: NONE
 DATE: 9/15/2005
 DRAWN BY: C.A.D.D.
 CHECKED BY:

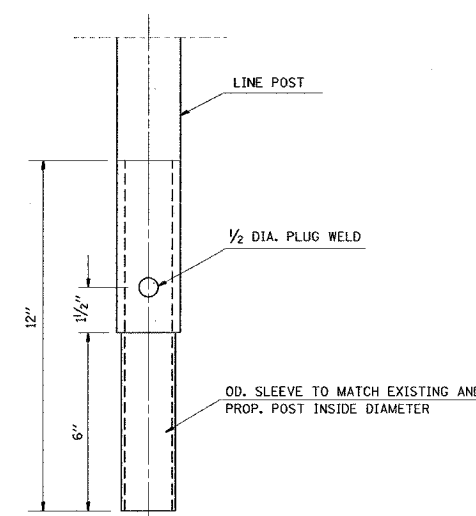
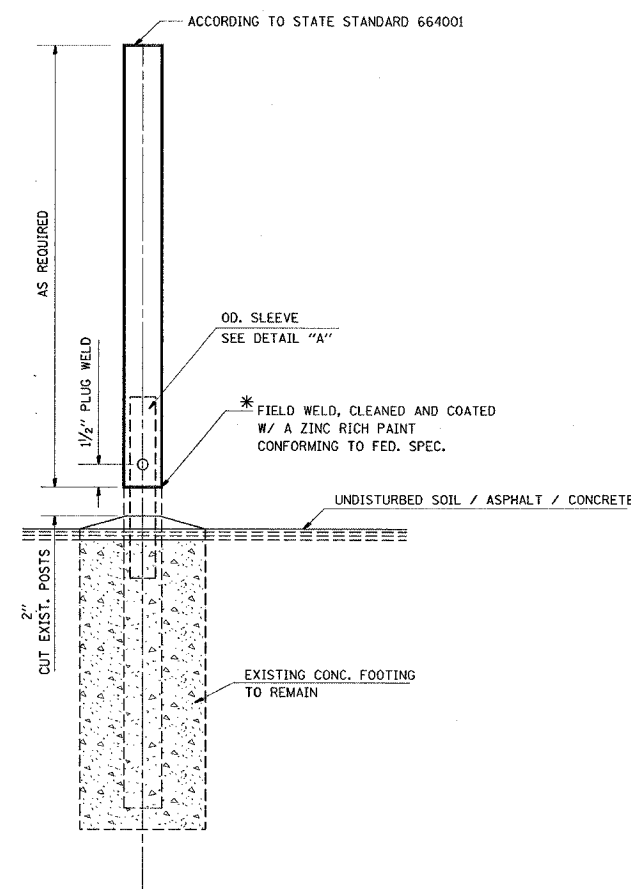
F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. 2005-024 I	VARIOUS		13	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62958

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"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CHAIN LINK FENCE POST SLEEVE
REPAIR DETAIL

SCALE: NONE
DATE 9/15/2005

DRAWN BY CADD
CHECKED BY

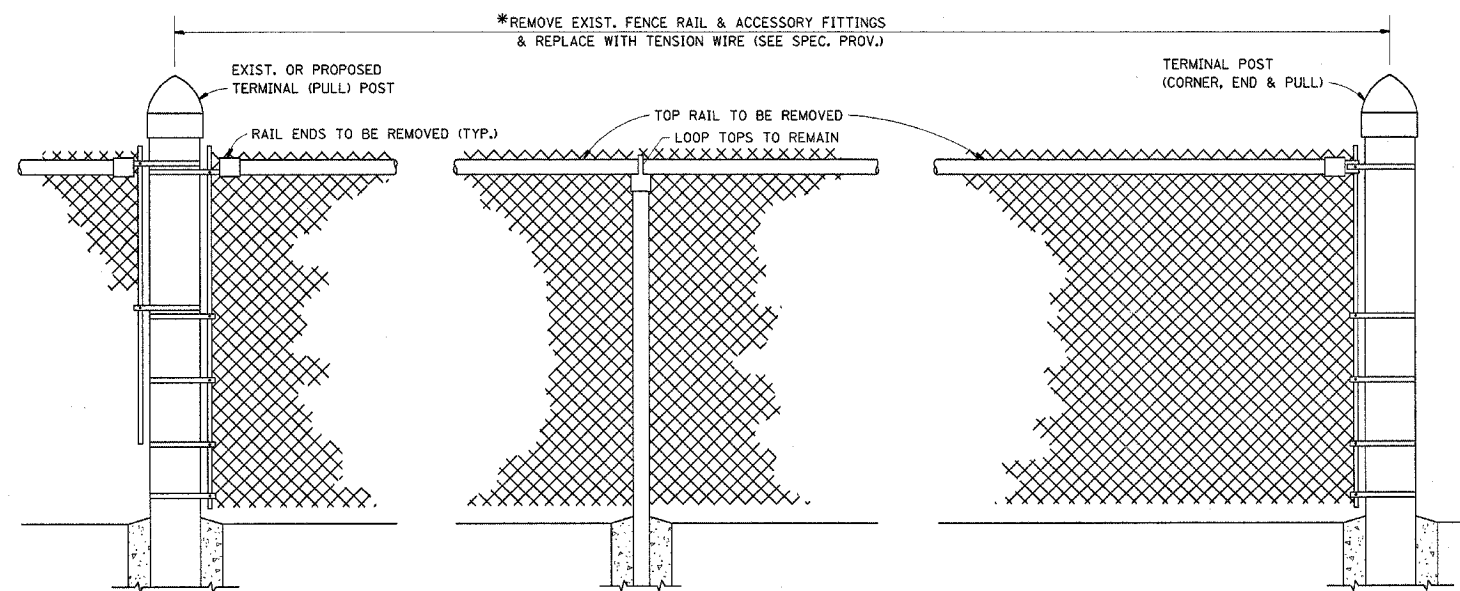
GENERAL NOTES

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.

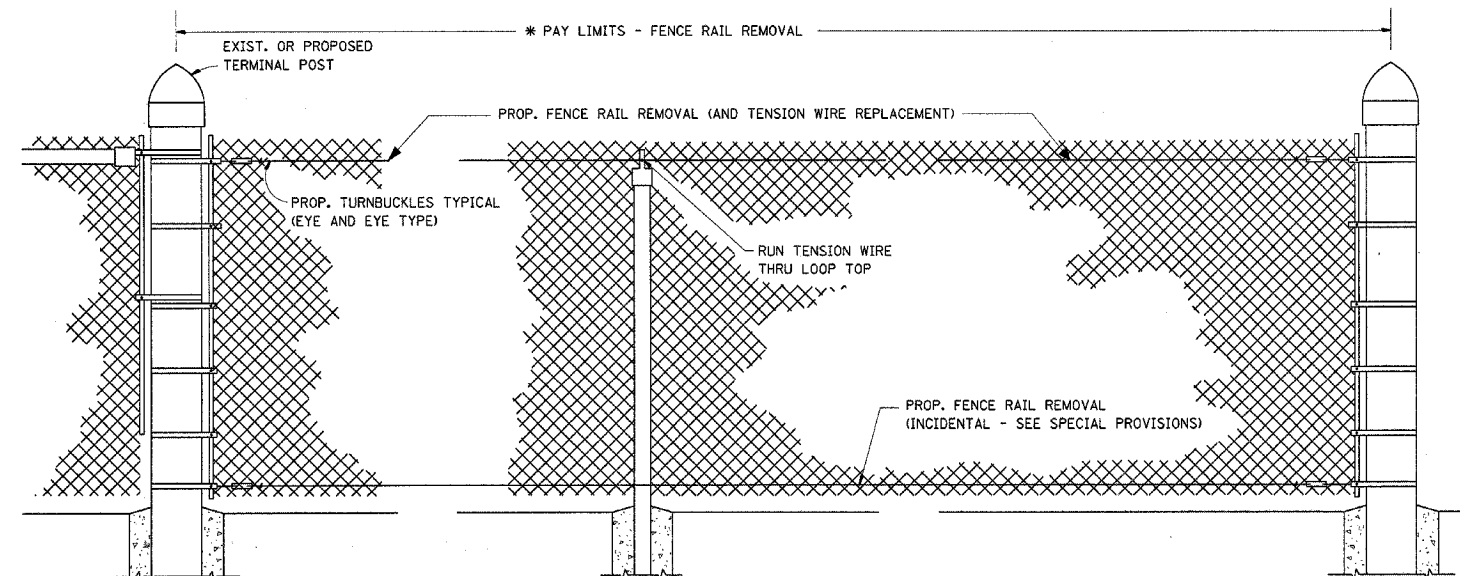
TENSION WIRE: THIS ITEM CONSISTS OF INSTALLING TENSION WIRE, TOP OR BOTTOM, WHERE TOP OR BOTTOM RAIL IS NON-EXISTENT, OR WHERE EXISTING DAMAGED TENSION WIRE IS REMOVED AND REPLACED BY NEW TENSION WIRE.

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.

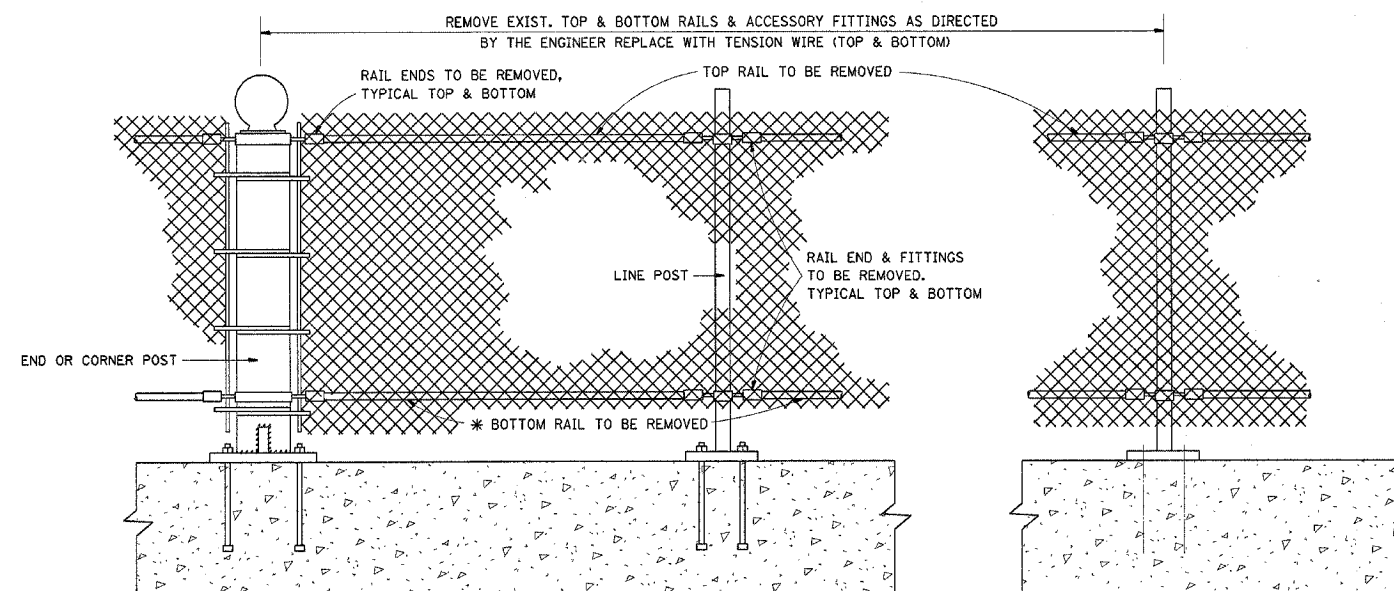


EXIST. CHAIN LINK FENCE WITH TOP RAIL

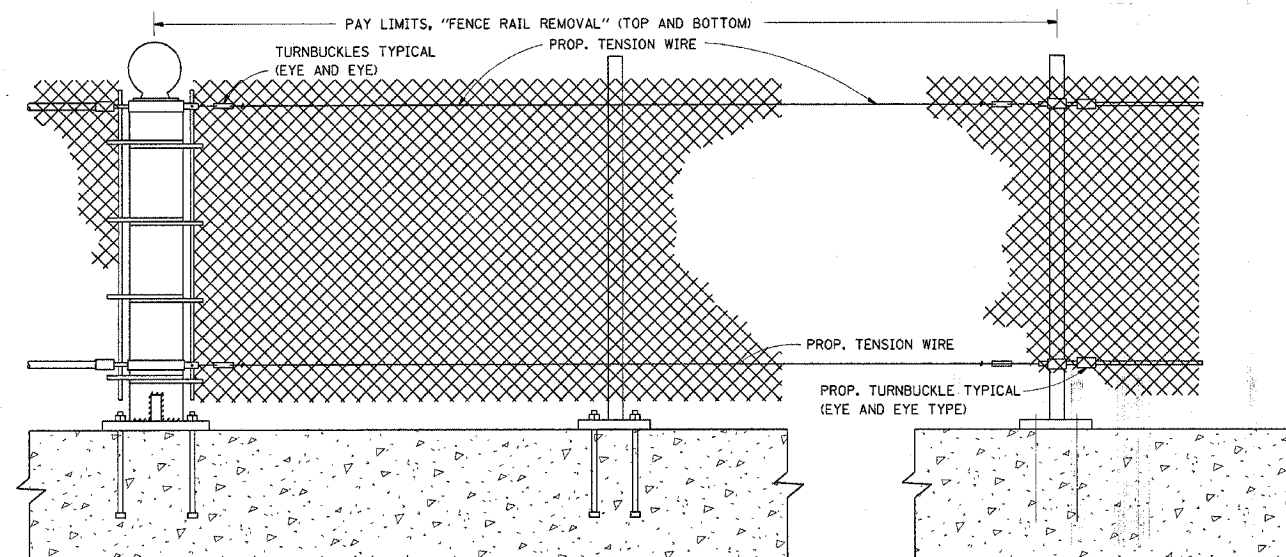


PROP. CHAIN LINK FENCE WITH "FENCE RAIL REMOVAL"

* 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.

REVISIONS	
NAME	DATE

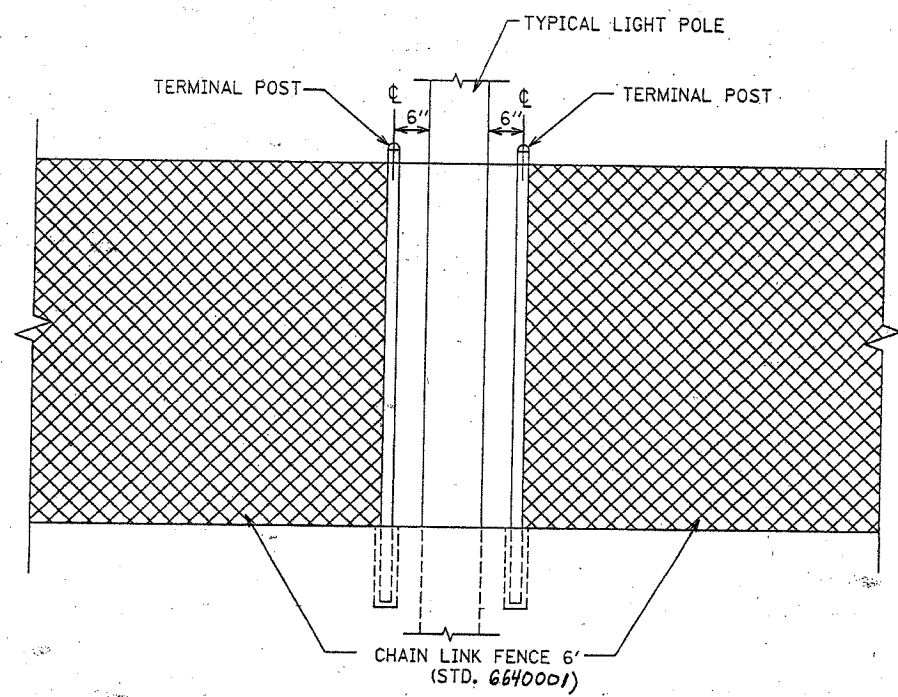
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PEDESTRIAN BARRIER AND CHAIN LINK FENCE WITH TENSION WIRE AND FENCE RAIL REMOVAL

SCALE: NONE
 DATE: 9/15/2005

DRAWN BY C.A.D.D.
 CHECKED BY

S.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR 2005-025 II	VAR	VAR	13	12
STA.	TO STA.			
FED. ROAD DIST NO. 7	ILLINOIS	FED AID PROJECT		

CONTRACT 6295B



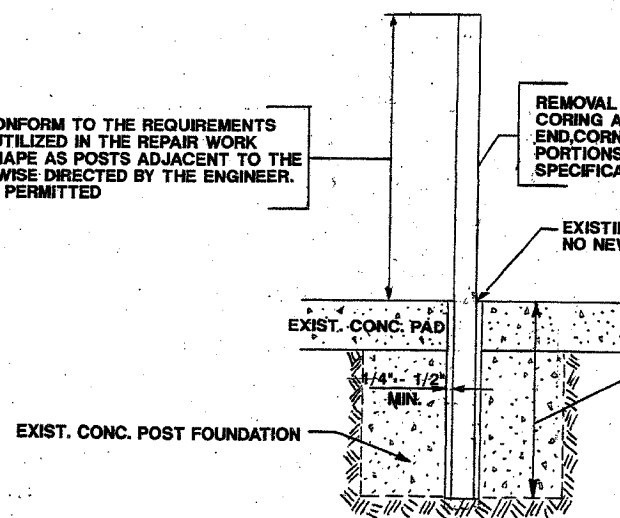
FENCE CONFLICT WITH LIGHT POLE
N.T.S.

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

REMOVAL OF EXISTING FENCE POSTS BY DRILLING OR CORING AND GROUTING A NEW FENCE POST (LINE, TERMINAL, END, CORNER AND GATE) IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTIONS 664 AND 1025 OF THE STANDARD SPECIFICATIONS

EXISTING LOCATION OF POST MUST BE USED. NO NEW POST HOLES WILL BE ALLOWED.

POST REMOVAL AND REPLACEMENT SHALL BE FULL-DEPTH



POST REMOVAL AND REPLACEMENT

ILLINOIS DEPARTMENT OF TRANSPORTATION

SPECIAL DETAILS

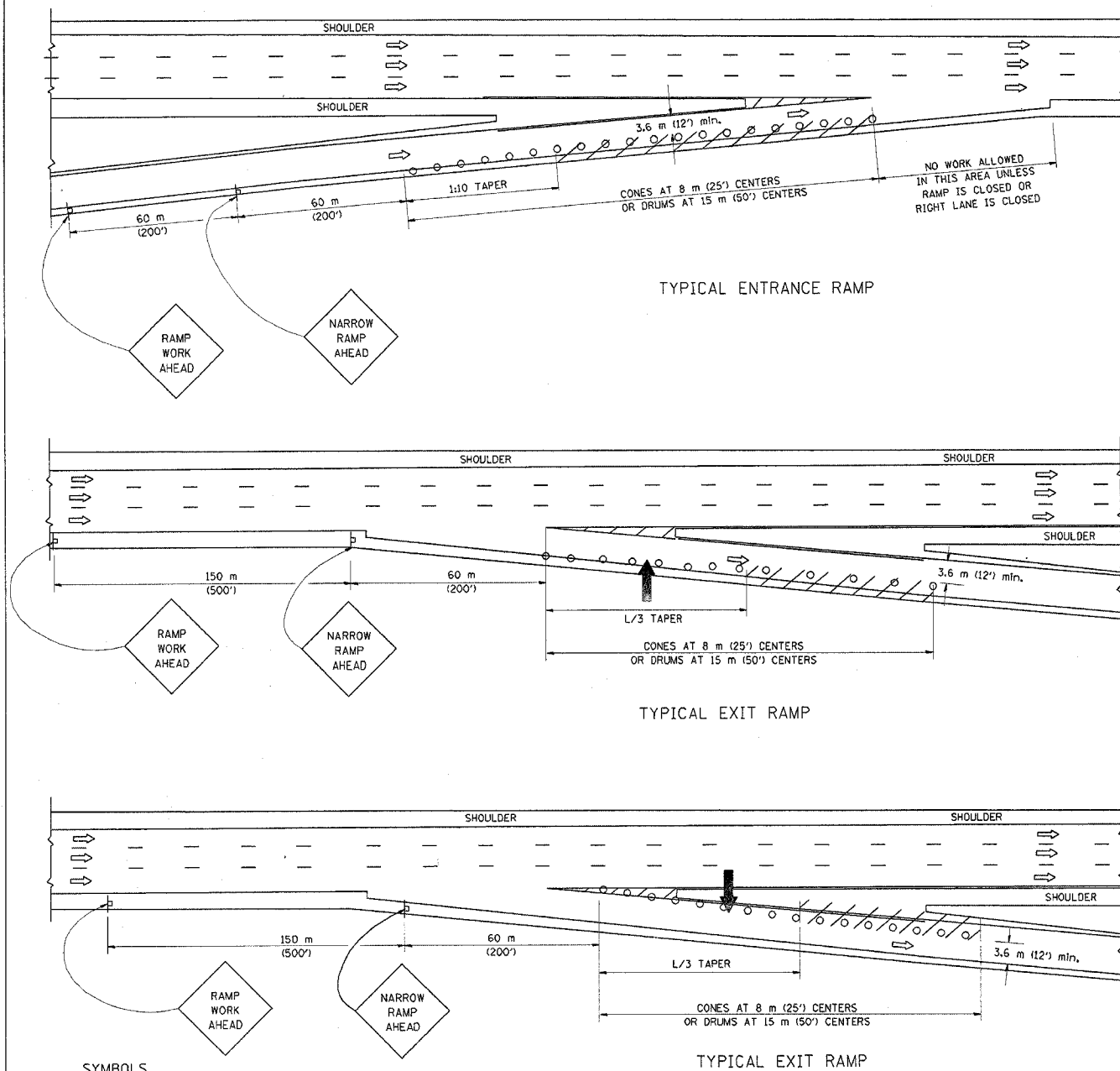
REVISIONS	
NAME	DATE

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
DESIGNED BY
CHECKED BY

S.A. INDUSTRIES, INC.

PARTIAL RAMP CLOSURE DETAILS



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

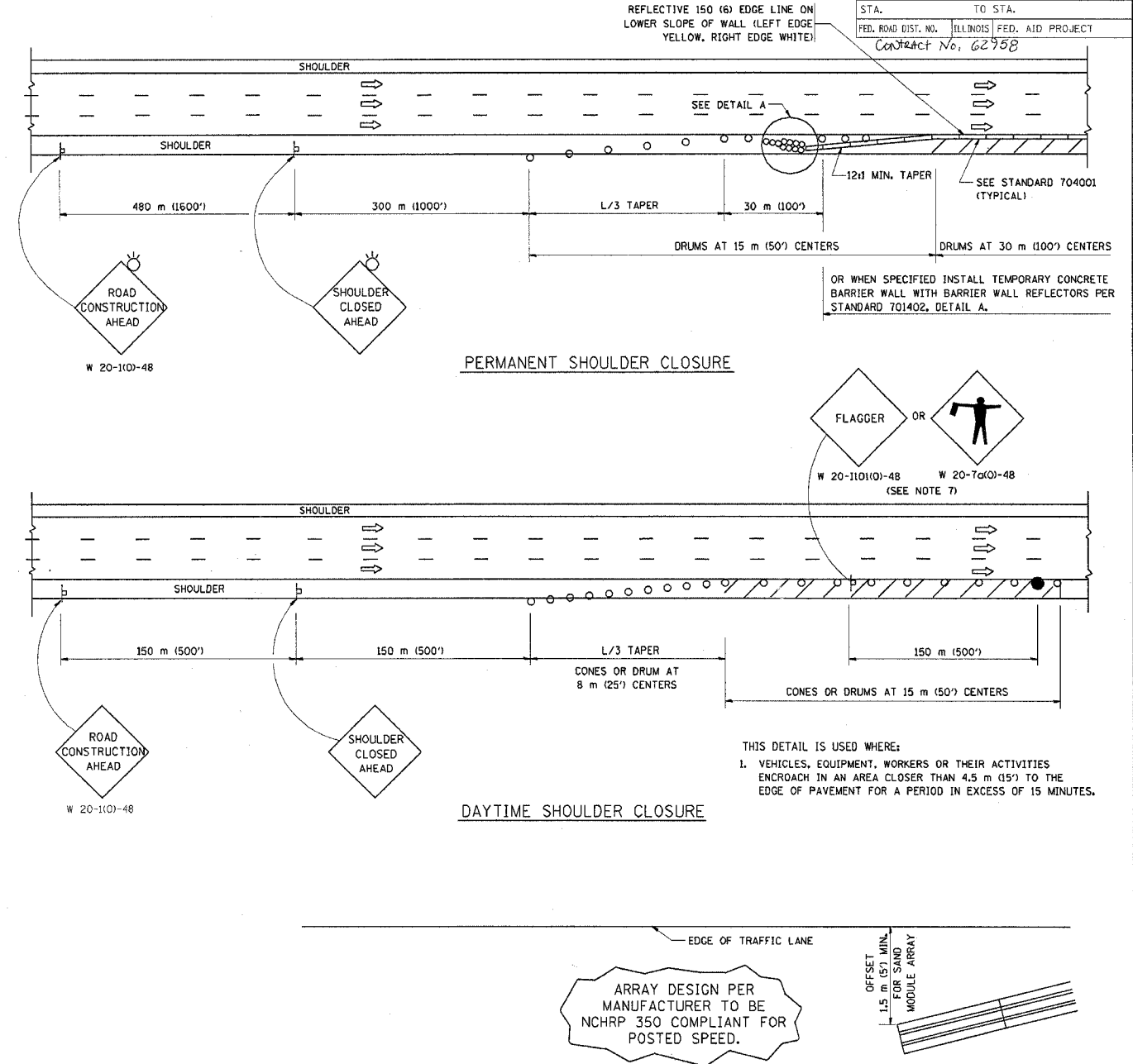
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

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

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.

SHOULDER CLOSURE DETAILS



ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT FOR POSTED SPEED.

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

REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03

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: 05/06/2003

DRAWN BY: DWS
DESIGNED BY: DWS
CHECKED BY: []
TC-17