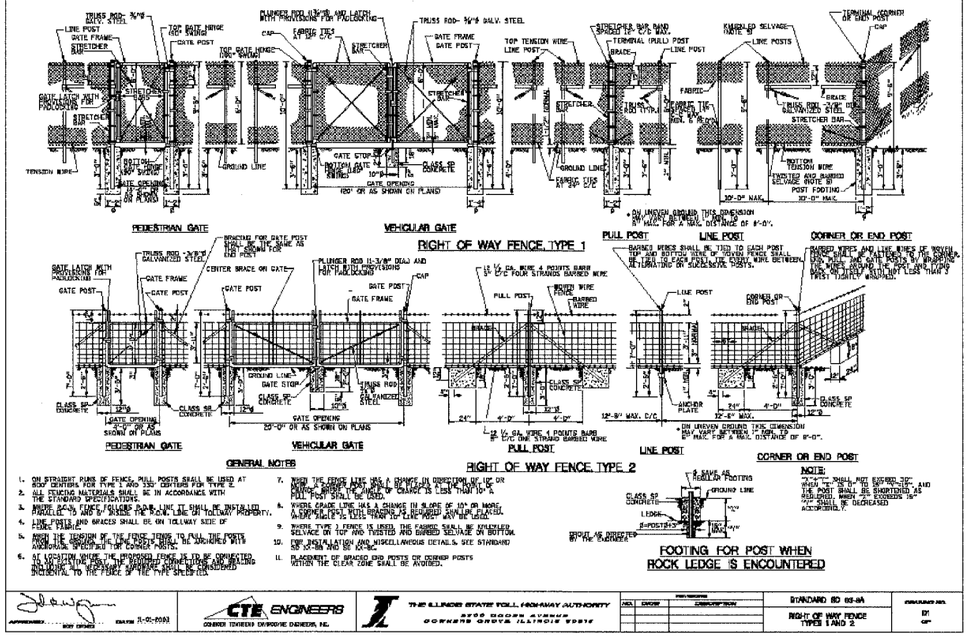
CONTRACT NO. 64594

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129K	WINNEBAGO	585	275
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

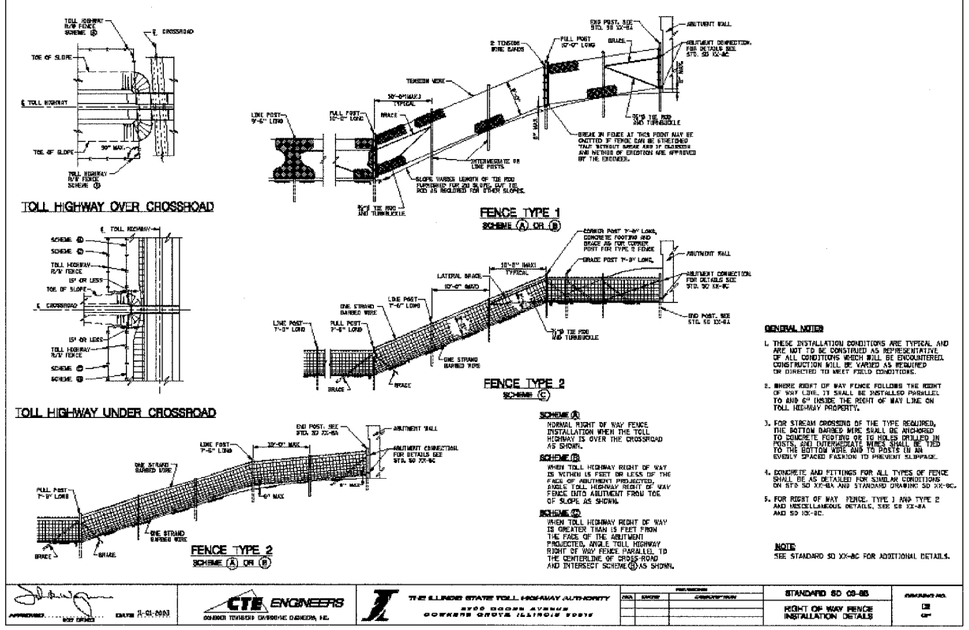


GENERAL NOTES

1. ON STRAIGHT RUNS OF FENCE, PULL POSTS SHALL BE USED AT ROW CORNERS FOR TYPE 1 AND 330' CENTERS FOR TYPE 2.
2. ALL FENCING MATERIALS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
3. WHERE BACK FENCE/FILLERS RUN ON LINE IT SHALL BE INSTALLED PARALLEL TO AND 6" INSIDE THE ROW LINE ON TOLLWAY PROPERTY.
4. LINE POSTS AND BRACES SHALL BE ON TOLLWAY SIDE OF FENCE FRAME.
5. WHEN THE TERRAIN OF THE FENCE PERMITS TO PULL THE POSTS FROM THE TOLLWAY, THEY SHALL BE DESIGNED WITH ANCHORAGE SPECIFIED FOR CORNER POSTS.
6. AT LOCATIONS WHERE THE STRETCHED FENCE IS TO BE CONNECTED TO A SECTION THAT HAS BEEN DAMAGED, REMOVED AND/OR REBUILT, THE REPAIRS AND CONNECTIONS SHALL BE CONSIDERED INCIDENTAL TO THE FENCE OF THE TYPE SPECIFIED.
7. WHERE THE FENCE RUNS ON A CHANGE IN DIRECTION OF 10° OR MORE, A CORNER POST SHALL BE PLACED. A LINE POST MAY BE USED WHERE THE CHANGE OF COURSE IS LESS THAN 10°. A PULL POST SHALL BE USED.
8. WHERE GRADE LINE HAS A CHANGE IN SLOPE OF 10% OR MORE, A SUPPLEMENTAL POST SHALL BE PLACED AT THE POINT OF CHANGE.
9. WHERE TYPE 2 FENCE IS USED, THE FABRIC SHALL BE ATTACHED SELVAGE ON TOP AND TWISTED AND BARBED SELVAGE ON BOTTOM.
10. FOR INSTALLATION AND MISCELLANEOUS DETAILS, SEE STANDARD 801 03-8A AND 801 04-8C.
11. PLACEMENT OF BRACED AND POSTS ON CORNER POSTS WITHIN THE CLEAR ZONE SHALL BE AVOIDED.

NOTE:
1/4"ø SHELL BOLT EXPEDITED TOP WHEN 1/4" TO 1" IS SPECIFIED, AND THE POST SHALL BE SHORTENED AS NECESSARY. POST HEIGHTS SHALL NOT BE DECREASED ACCORDINGLY.

APPROVED ROY DRIVER	DATE 11-01-2002	CTE ENGINEERS CONNER TOWERS DRYDOCKE ENGINEERS, INC.	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 DOOON AVENUE DOWNERS GROVE, ILLINOIS 60515	NO.	DATE	DESCRIPTION
				STANDARD 801 03-8A		DRAWING NO.
				RIGHT OF WAY FENCE TYPES 1 AND 2		DR 04



GENERAL NOTES

1. THESE INSTALLATION CONDITIONS ARE TYPICAL AND ARE NOT TO BE CONSTRUED AS REPRESENTATIVE OF ALL CONDITIONS WHICH WILL BE ENCOUNTERED. CONSTRUCTION WILL BE VARIED AS REQUIRED OR DIRECTED TO MEET FIELD CONDITIONS.
2. WHERE RIGHT OF WAY FENCE FOLLOWING THE RIGHT OF WAY LINE, IT SHALL BE INSTALLED PARALLEL TO AND 6" INSIDE THE RIGHT OF WAY LINE ON TOLL HIGHWAY PROPERTY.
3. FOR STREAM CROSSING OF THE TYPE REQUIRED, THE BOTTOM BARBED WIRE SHALL BE ANCHORED TO CONCRETE FOOTING OR TO HOLES DRILLED IN POSTS, AND INTERMEDIATE WIRES SHALL BE TIED TO THE BOTTOM WIRE AND TO POSTS IN AN EVENLY SPACED FASHION TO PREVENT SLIPPAGE.
4. CONCRETE AND FITTINGS FOR ALL TYPES OF FENCE SHALL BE AS DETAILED FOR SIMILAR CONDITIONS ON STD 801 XX-4A AND STANDARD DRAWING 801 XX-8C.
5. FOR RIGHT OF WAY FENCE TYPE 1 AND TYPE 2 AND MISCELLANEOUS DETAILS, SEE 03 02-4A AND 80 10-8C.

SCHEME (A)
NORMAL RIGHT OF WAY FENCE. INSTALLATION WHEN THE TOLL HIGHWAY IS OVER THE CROSSROAD AS SHOWN.

SCHEME (B)
WHEN TOLL HIGHWAY RIGHT OF WAY IS WITHIN 15 FEET OR LESS OF THE TOE OF ROADWAY EMBANKMENT ANGLE TOLL HIGHWAY RIGHT OF WAY FENCE INTO ABUTMENT FROM TOE OF SLOPE AS SHOWN.

SCHEME (C)
WHEN TOLL HIGHWAY RIGHT OF WAY IS GREATER THAN 15 FEET FROM THE FACE OF THE ABUTMENT PROJECTED, ANGLE TOLL HIGHWAY RIGHT OF WAY FENCE PARALLEL TO THE CENTERLINE OF CROSS-ROAD AND INTERSECT SCHEME (A) AS SHOWN.

NOTE
SEE STANDARD 80 XX-8C FOR ADDITIONAL DETAILS.

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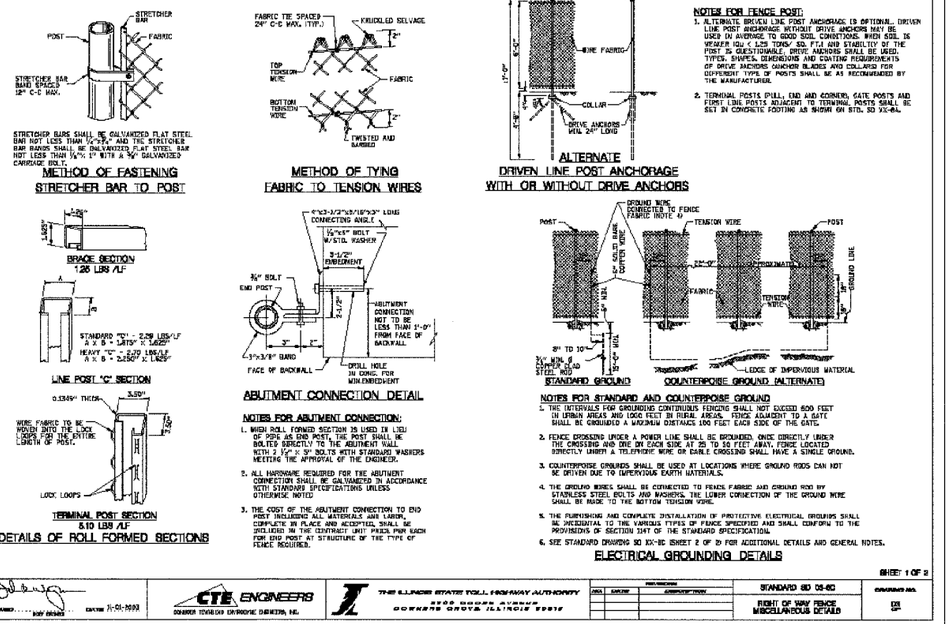
				STANDARD 80 03-8B		DRAWING NO.
				RIGHT OF WAY FENCE INSTALLATION DETAILS		DR 05



NOTES FOR FENCE POST:

1. ALTERNATE DRIVEN LINE POST ANCHORAGE IS OPTIONAL. DRIVEN LINE POST ANCHORAGE WITHOUT DRIVE ANCHORS MAY BE USED IN AVERAGE TO GOOD SOIL CONDITIONS. WHEN SOIL IS WEAKER (Qu < 1.25 TONS/ SQ. FT.) AND STABILITY OF THE POST IS QUESTIONABLE, DRIVE ANCHORS SHALL BE USED. TYPES, SHAPES, DIMENSIONS AND COATING REQUIREMENTS OF DRIVE ANCHORS (SAMSON BLADES AND COLLARS) FOR DIFFERENT TYPE OF POSTS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
2. TERMINAL POSTS (PULL, END AND CORNER), GATE POSTS AND FIRST LINE POSTS ADJACENT TO TERMINAL POSTS SHALL BE SET IN CONCRETE FOOTING AS SHOWN ON STD. 80 XX-8A.

NOTES FOR ABUTMENT CONNECTION:

1. WHEN ROLL FORMED SECTION IS USED IN LIEU OF POST AS END POST, THE POST SHALL BE BOLTED DIRECTLY TO THE ABUTMENT WALL WITH 2 1/2" x 5" BOLTS WITH STANDARD WASHERS MEETING THE APPROVAL OF THE ENGINEER.
2. ALL HARDWARE REQUIRED FOR THE ABUTMENT CONNECTION SHALL BE GALVANIZED IN ACCORDANCE WITH STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED
3. THE COST OF THE ABUTMENT CONNECTION TO END POST INCLUDING ALL MATERIALS AND LABOR, COMPLETE IN PLACE AND ACCEPTED, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR END POST AT STRUCTURE OF THE TYPE OF FENCE REQUIRED.

NOTES FOR STANDARD AND COUNTERPOISE GROUND

1. THE INTERVALS FOR GROUNDING CONTINUOUS FENCING SHALL NOT EXCEED 600 FEET IN URBAN AREAS AND 1000 FEET IN RURAL AREAS. FENCE ADJACENT TO A GATE SHALL BE GROUNDED A MINIMUM DISTANCES 100 FEET EACH SIDE OF THE GATE.
2. FENCE CROSSING UNDER A POWER LINE SHALL BE GROUNDED ONCE DIRECTLY UNDER THE CROSSING AND ONE ON EACH SIDE AT 25 TO 50 FEET AWAY. FENCE LOCATED STRICTLY UNDER A TELEPHONE WIRE OR CABLE CROSSING SHALL HAVE A SINGLE GROUND.
3. COUNTERPOISE GROUNDS SHALL BE USED AT LOCATIONS WHERE GROUND RODS CAN NOT BE DRIVEN DUE TO IMPERVIOUS EARTH MATERIALS.
4. THE GROUND WIRES SHALL BE CONNECTED TO FENCE FABRIC AND GROUND ROD BY STAINLESS STEEL BOLTS AND WASHERS. THE LOWER CONNECTION OF THE GROUND WIRE SHALL BE MADE TO THE BOTTOM TENSION WIRE.
5. THE FURNISHING AND COMPLETE INSTALLATION OF PROTECTIVE ELECTRICAL GROUNDS SHALL BE INCIDENTAL TO THE VARIOUS TYPES OF FENCE SPECIFIED AND SHALL CONFORM TO THE PROVISIONS OF SECTION 1047 OF THE STANDARD SPECIFICATIONS.
6. SEE STANDARD DRAWING 80 XX-8C SHEET 2 OF 2 FOR ADDITIONAL DETAILS AND GENERAL NOTES.

SHEET 1 OF 2

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				STANDARD 80 03-8C		DRAWING NO.
				RIGHT OF WAY FENCE MISCELLANEOUS DETAILS		DR 06

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ISTHA STANDARDS

SCALE: VERT. N/A
HORIZ. N/A
DATE SEPTEMBER 14, 2005

DRAWN BY KRL
CHECKED BY PDS