INDEX OF SHEETS

SHEET NO. CONTENTS COVER SHEET GENERAL PLAN AND ELEVATION SUPERSTRUCTURE STEEL RAILING DETAILS 5 & 6 CROSS-SECTIONS

STANDARDS

| 57 D.NO. | DESCRIPTION |
|--|--|
| 280001-03 515001-02 630301-04 631011-03 | TEMPORARY DITCH CHECKS NAME PLATES FOR BRIDGES SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS TRAFFIC BARRIER TERMINAL TYPE 2 |
| 702001-06 BLR 21-6 BLR 22-4 | TRAFFIC CONTROL DEVICES TRAFFIC CONTROL TRAFFIC CONTROL |

STATE OF ILLINOIS

PLANS FOR THE PROPOSED BRIDGE REPLACEMENT AND REHABILITATION PROGRAM

PROJECT NO. BROS-045(42) JOB NO. C-95-322-07

TR 61A OVER N. FORK BROUILLETT'S CK SECTION 07-10125-00-BR PRAIRIE TOWNSHIP EDGAR COUNTY

SUMMARY OF QUANTITIES

X020 - 2A

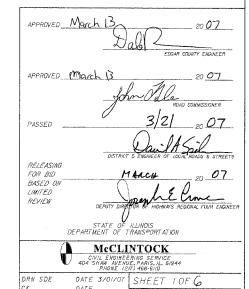
| CODE NO. | ITEMS | UNIT | QUANTITY |
|----------|--|--------|----------|
| 20200100 | EARTH EXCAVATION | CU.YD | 7 |
| 20400800 | FURNISHED EXCAVATION | CU.YD | 40 |
| 20900110 | POROUS GRANULAR BACKFILL | CU.YD | 4 |
| 25001000 | SEEDING CLASS 2 (SPECIAL) | ACRE | 0.1 |
| 28000300 | TEMPORARY DITCH CHECKS | EACH. | 4 |
| 442!3200 | SAW CUTS | FOOT | 181 |
| Z0015970 | DECK SLAB REMOVAL (PARTIAL) | SQ.YD. | 72.4 |
| 50200100 | STRUCTURE EXCAVATION | CU.YD. | 4 |
| 50400105 | PRECAST CONCRETE BRIDGE SLAB | SQ.FT. | 674 |
| 50900205 | STEEL RAILING, TYPE SI | FOOT | 182 |
| 51500100 | NAME PLATES | EACH | 1 |
| 63100 45 | TRAFFIC BARRIER TERMINAL, TYPE 2 | EACH | 2 |
| 63100075 | TRAFFIC BARRIER TERMINAL, TYPE 5A | E.ACH | 4 |
| | TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) TANGENT | EACH | 2 |
| 78201000 | TERMINAL MARKER DIRECT APPLIED | EACH | 2 |
| 67100100 | MOBILIZATION | L SUM | 1 |

UTILITY COMPANIES

**VERIZON, INC. 212 EAST GROVE RANTOUL, ILL, 61866 GREG CURTIS 1-217-892-3359

**AMEREN IP 1112 WEST ANTHONY DR P.O. BOX 17070 URBANA, IL 61803-7070 MARK HIPPLE 1-217-383-7270

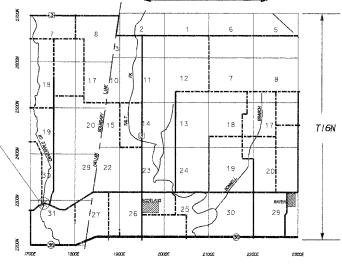
TOLL FREE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (J.U.L.I.E.) TELEPHONE * 1-800-892-0123



JOB NO.3/37-753-07

EDGAR

EXISTING STRUCTURE NO 023-4904 TRIPLE SPAN PRECAST CONCRETE DECK BEAM BRIDGE ON SPILL-THRU **ABUTMENTS**

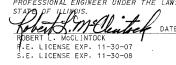


RIIW RIOW

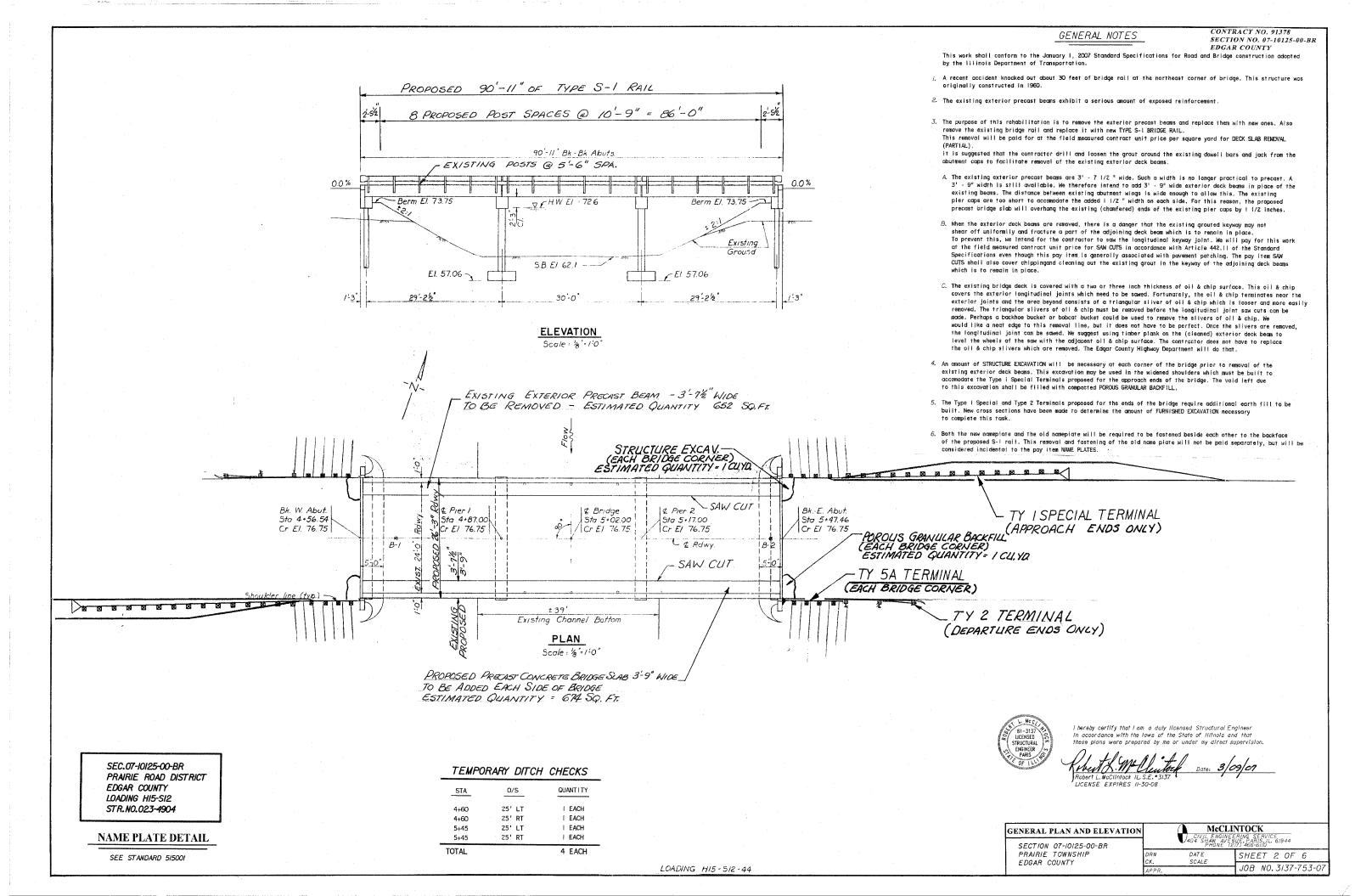
LOCATION MAP

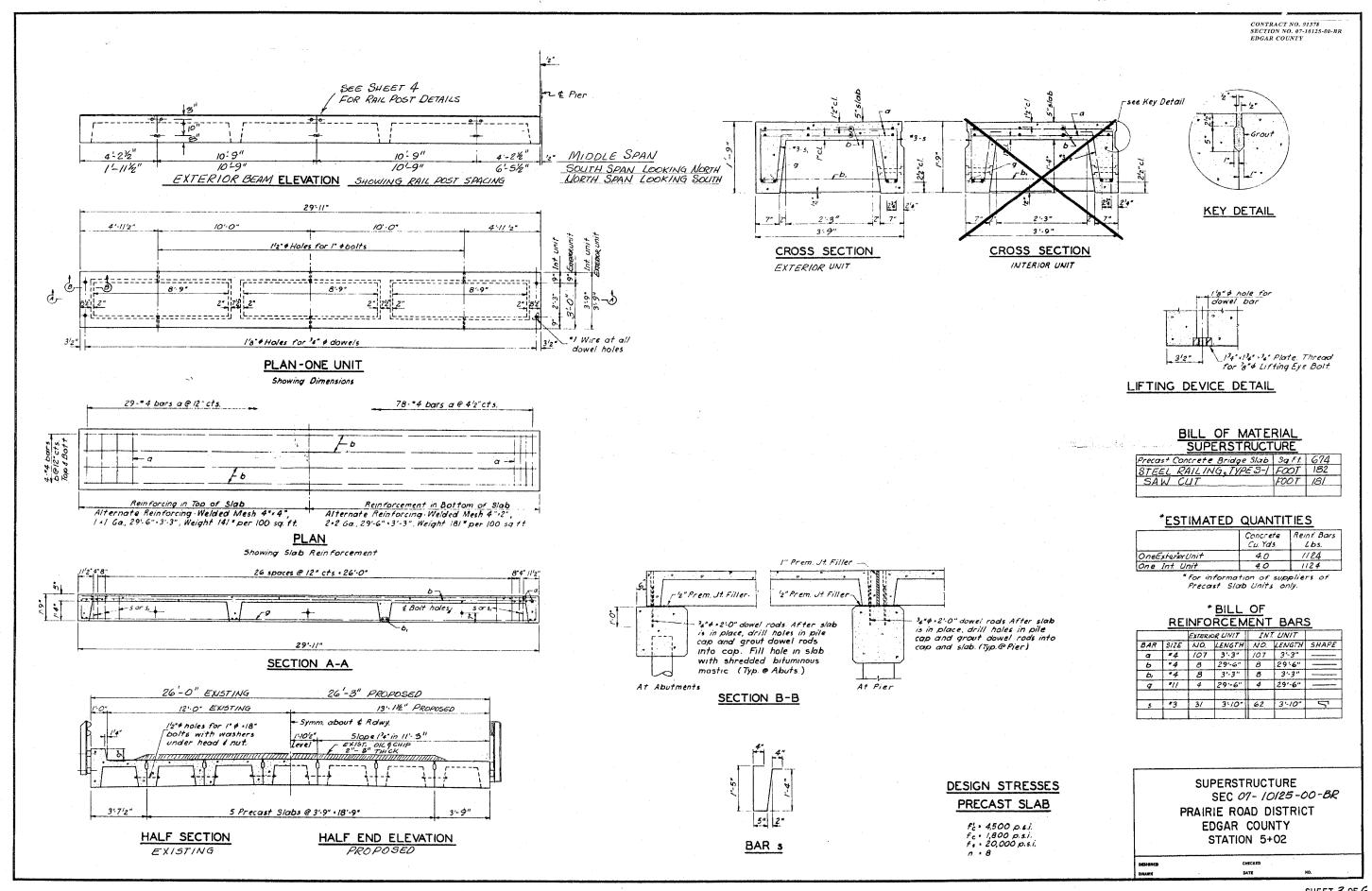
SCALE I INCH = I MILE NET LENGTH OF SECTION = 285 FEET (0.054 MILES) FUNCTIONAL CLASSIFICATION: LOCAL ROAD ADT = (350

I HEARBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISON. AND THAT IAM A DULY LICENSED STRUCTURAL AND PROFESSIONAL ENGINEER UNDER THE LAWS OF THE



LOCATION OF SECTION INDICATED THUS:





HE 3.

SHEET 3 OF 6

MATERIAL REQUIREMENTS

HANDER HALLOW STRUCTURAL STEEL TUBING SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. DESIGNATION A-500 GRADE B STRUCTURAL STEEL TUBING.
ALL OTHER STEEL SHAPES AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. M-183 EXCEPT POSTS AND ANGLES SHALL CONFORM TO A.A.S.H.T.O. M-223, GRADE 50.
BOLTS, CAP SCREWS AND NUTS SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. DESIGNATION A-30T EXCEPT FOR HIGH STRENGTH BOLTS, NUTS AND WASHERS NOTED WHICH SHALL CONFORM TO A.A.S.H.T.O. M-164.
ALL BOLTS, NUTS, CAP SCREWS, WASHERS AND LOCK WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH A.A.S.H.T.O. M-232.
ALL POST, RAILING, RAIL SPLICES, ANCHOR DEVICES AND ANGLES SHALL BE GALVANIZED AFTER SHOP FABRICATION IN ACCORDANCE WITH A.A.S.H.T.O. M-111 AND A.S.T.M. A-385. GALVANIZED RAIL SHALL NOT BE PAINTED.

€ 11/8° DIA. HOLES 33/4"

2' 134' 134' 2'

VIEW C - C

L.PL

. 3/4.

3/4"

END OF RAIL DETAILS

- 34 DIA. DRAIN HOLE

TRAFFIC SIDE OF RAIL

I'/g" DIA, HOLES FOR I' DIA, x 4" MACHINE BOLTS PROVIDE 2 FLAT WASHERS & LOCKNUTS FOR

GUARD RAIL CONNECTION SHOWN STD. 2340

33/4"

INSTALLATION NOTES

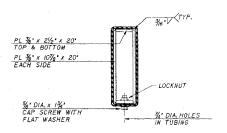
(A) FOR MULTI-SPAN BRIDGES, SUFFICIENT 1/4 x 6 xi'-2 GALVANIZED STEEL SHIMS SHALL BE PROVIDED TO ALIGN RAIL BETWEEN ADJACENT SPANS. COST INCIDENTAL ALL FIELD DRILLED HOLES SHALL BE COATED WITH AN APPROVED ZINC RICH PAINT BEFORE ERECTION.

THE 1/2-44-X6 PLATES THAT COME IN CONTACT WITH CONCRETE SHALL RECEIVE TWO COATS OF ASPHALT PAINT CONFORMING TO SECTION 760.07 TYPE II OR PLACE 1/4" FABRIC BEARING PADS BETWEEN THE PLATES AND CONCRETE.

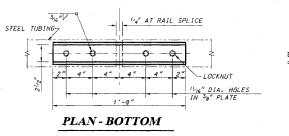
- B THE % DIA.HIGH STRENGTH BOLTS USED TO CONNECT THE 6'x4'x% ANGLES TO THE POST SHALL BE TIGHTENED IN ACCORDANCE WITH ARTICLE 505.04 (F/13) OF THE STANDARD SPECIFICATIONS.
- THE 1 DIA, HIGH STRENGTH BOLTS CONNECTING THE ANGLES TO THE CONCRETE SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN AN ADDITIONAL 1/8TURN. THE % DIA.CAP SCREWS SHALL BE TIGHTENED TO A SNUG FIT ONLY.
- D THE MAXIMUM ALLOWABLE RAIL POST SPACING SHALL BE 10'-9'.

BILL OF MATERIAL

| [| ITEM | UNIT | QUANTITY | |
|---|-------------------------|------|----------|--|
| [| STEEL RAILING, TYPE S-I | FOOT | . 182 | |



SECTION AT RAIL SPLICE



SPLICE PL. TYPICAL 1/4" SHIM PLATE (SEE NOTE-A)

STEEL RAILING, TYPE S-1

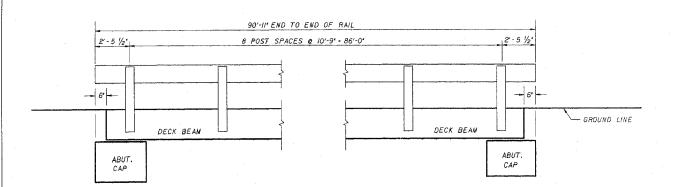
SEC. 07-00125-00-BR PRAIRIE TOWNSHIP EDGAR COUNTY

MCCL INTOCK CIVIL ENGINEERING SERVICE 404 SHAW AVENUE, PARIS, IL. 61944 PHONE (217) 466-6110

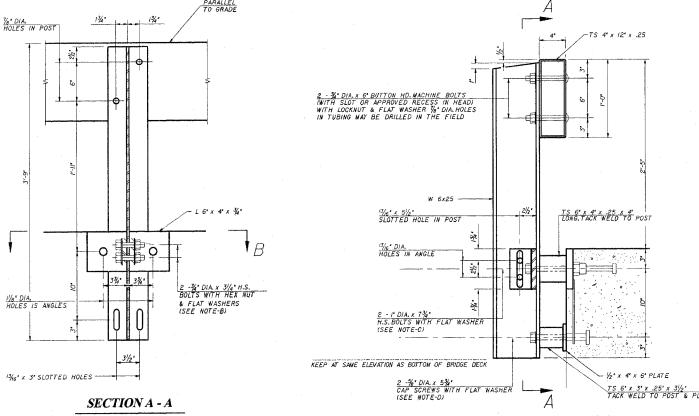
DATE 3/2/07 DRN SDE SHEET 4 OF 6 SCALE: NTS JOB NO. 3137-753-07

HOLES

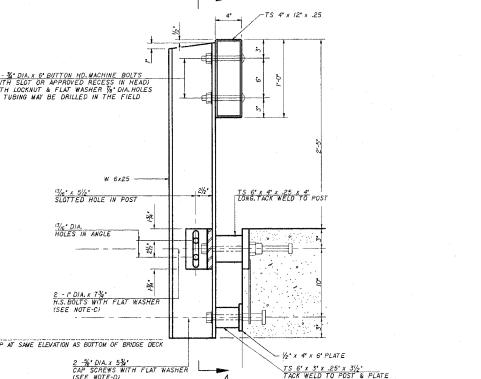
31/2



ELEVATION



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SECTION AT RAIL POST

