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

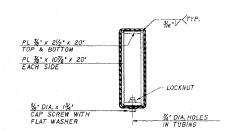
(A) FOR MULTI-SPAN BRIDGES, SUFFICIENT 1/4 x 6 xi'-2 GALVANIZED STEEL SHIMS SHALL BE PROVIDED TO ALIGN RAIL BETWEEN ADJACENT SPANS. COST INCIDENTAL ALL FIELD DRILLED HOLES SHALL BE COATED WITH AN APPROVED ZINC RICH PAINT BEFORE ERECTION.

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.

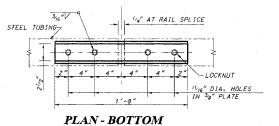
- B THE % DIA.HIGH STRENGTH BOLTS USED TO CONNECT THE 6'x4'x% ANGLES TO THE POST SHALL BE TIGHTENED IN ACCORDANCE WITH ARTICLE 505.04 (F/13) OF THE STANDARD SPECIFICATIONS.
- THE 1 DIA, HIGH STRENGTH BOLTS CONNECTING THE ANGLES TO THE CONCRETE SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN AN ADDITIONAL 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

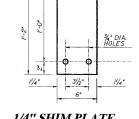
ITEM	UNIT	QUANTITY	
STEEL RAILING, TYPE S-I	FOOT	. 182	



SECTION AT RAIL SPLICE



SPLICE PL. TYPICAL



1/4" SHIM PLATE (SEE NOTE-A)

STEEL RAILING, TYPE S-1

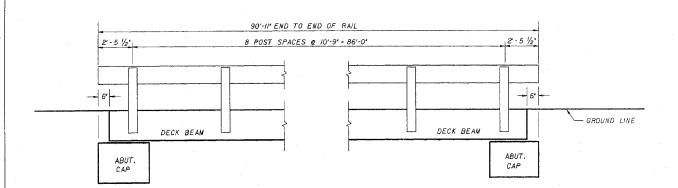
PRAIRIE TOWNSHIP

EDGAR COUNTY

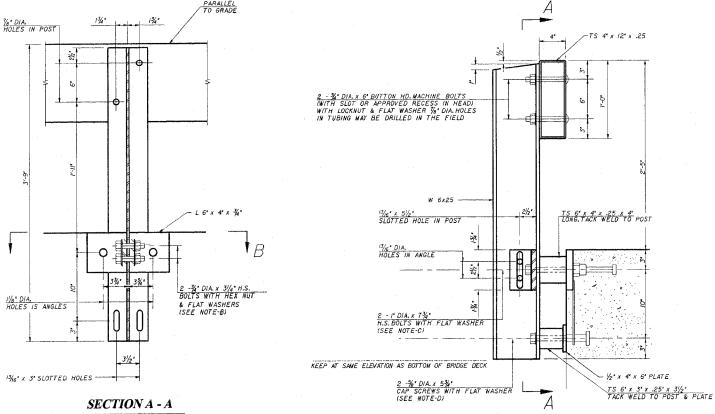
SEC. 07-00125-00-BR DRN SDE

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

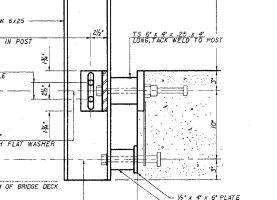
DATE 3/2/07 SHEET 4 OF 6 SCALE: NTS JOB NO. 3137-753-07



ELEVATION



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SECTION AT RAIL POST

