



- NOTES:**
1. Slots may be omitted in standard sleeves where bolts are required on one side of splice only.
 2. Anchor bolts may be tack welded to anchorage (shop or field).
 3. At post locations, drill two 1 1/8" holes in the rails to receive rail bolts (shop or field). See Post Details for hole splicing.
 4. Before installing rails, paint cut, drilled, or otherwise damaged surface areas of the railing components with two coats of zinc rich paint conforming to the requirements of ASTM A 780.
 5. After installing the rails, paint exposed bolt threads with two coats of zinc rich paint conforming to the requirements of ASTM A 780.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Steel Railing (Special)	Foot	160

FILE NAME = 3381.02 09 Steel Bridge Railing Details.dgn
 USER NAME = espina
 PLOT SCALE =
 PLOT DATE = 2/11/2011

DESIGNED - AMK	REVISD -
CHECKED - BWS	REVISD -
DRAWN - RD	REVISD -
CHECKED - BWS	REVISD -

MCHENRY COUNTY DIVISION OF TRANSPORTATION

STEEL RAILING DETAILS
STRUCTURE NO. 056-3180
 SHEET NO. S-9 OF S-18 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00340-00-BR	MCHENRY	46	26
			CONTRACT NO. 63552	
ILLINOIS FED. AID PROJECT				