



Notes:  
 All field drilled holes shall be coated with an approved zinc rich paint before erection.  
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.  
 All steel rail members shall be galvanized according to Article 509.05 of the Standard Specifications.  
 \*\*\* The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

**BILL OF MATERIAL**

Item	Unit	Quantity
Steel Railing, Type SM	Foot	227

FILE NAME: P:\12663\1-CADD - DMC\4.3-ST\0676002-97524-803-SM Railing.dgn

R-34HMAWS 7-1-10 (6'-3" Maximum Post Spacing) (1/4" minimum to 3/8" maximum HMA thickness)

\*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

\*\* Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".

THOUVENOT, WADE & MOERCHEN, INC.	USER NAME = mjoost	DESIGNED - MJJ	REVISED -
TWM		CHECKED - ALN	REVISED -
SWANSEA - WATERLOO - EDWARDSVILLE - ST. LOUIS - ST. CHARLES	PLOT SCALE = 0:2.0000 1' = 1"	DRAWN - MJJ	REVISED -
	PLOT DATE = 3/12/2013	CHECKED - ALN	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE SM WITH HOT-MIX ASPHALT WEARING SURFACE  
 STRUCTURE NO. 067-6002  
 SHEET NO. 3 OF 12 SHEETS

F.A.U. RTE. 9304	SECTION 12-00023-01-BR	COUNTY MONROE	TOTAL SHEETS 16	SHEET NO. 7
ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		