



R-34HMAWS 7-1-10

Notes:
 All field drilled holes shall be coated with an approved zinc rich paint before erection.
 For multi-span bridges, sufficient $\frac{1}{4}$ " 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.

** 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 $\frac{1}{2}$ ".

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

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	456

USER NAME = dheber-1mg	DESIGNED - TJZ	REVISED -
FILE NAME = D6.SN0840480.dgn	CHECKED - SDS	REVISED -
PLOT DATE = 9/7/2011	DRAWN - DLH	REVISED -
PLOT TIME = 11:11:24 AM	CHECKED - TJZ/SDS	REVISED -

WHKS & CO.
 ENGINEERING
 7018 KINGSMILL CT.,
 SPRINGFIELD, IL
 (217) 483-9457
 DESIGN FIRM #184001036

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE SM WITH HOT-MIX ASPHALT WEARING SURFACE
 STRUCTURE NO. 084-0480
 SHEET NO. 5 OF 11 SHEETS

F.A.S. RTE. 556	SECTION 08-00119-04-BR	COUNTY SANGAMON	TOTAL SHEETS 25	SHEET NO. 12
			CONTRACT NO. 93556	
ILLINOIS FED. AID PROJECT				