

J.	1170 SOUTH HOUBOLT ROAD	USER NAME = brienf	DESIGNED - RRD	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PARAPET RAIL S	
5 4	JOLIET, ILLINOIS 60431		CHECKED - AJS	REVISED			
STRANC	(815) 744-4200	PLOT SCALE =	DRAWN - BJF	REVISED		STRUCTURE NO.	
	S° IDFPR NO. 184-001273	PLOT DATE = 1/29/2013	CHECKED - RRD	REVISED		SHEET NO. 21 OF 42	

NL SFEGAL	55	22-1HB-R	COOK/DUPAGE		109						
IL SPECIAL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.						
VIDE STAINLESS STEEL SHIMS TO BRING METAL SURFACE IN CONTACT WITH UCTURE TO REQUIRED GRADE OR ALIGNMENT. SEE SECTION 509 OF THE STANDARD CIFICATIONS.											
XY GROUT THREADED RODS IN ACCORDANCE TO SECTION 584 OF THE STANDARD CIFICATIONS.											
IMUM ULTIMATE PULLOUT STRENGTH OF 20,000 LBS. EACH.											
\times 5½ \times % BENT PLATE (AT EXP. END AT EXPANSION JOINT)											
× 5½° × $\frac{3}{16}$ ° BENT PLATE (AT TYP. EXP. END)											
AT TYP. EXP. END) OR 2. (AT EXP. END AT EXPANSION JOINT)											
AT TYP. EXP. END/OR 3" (AT EXP. END AT EXPANSION JOINT)											
	AT TYP. EXP. END) OR 2-" (AT EXP. END AT EXPANSION JOINT)										
AT TYP. EXP. END/OR 3" (AT EXP. END AT EXPANSION JOINT)											
DNLY ONE TURNBUCKLE IS USED PER CABLE, LOCATE ONE OF THESE SHOWN AT ER END OF WALL.											
•"× 9" THREAD FOR •" DIA. (7 × 19) CABLE. MAY BE HELPFUL USE SPECIAL ASSEMBLY KIT TOOLS.											
GALVANIZING IN ACCORDANCE WITH THE SPECIAL PROVISIONS. Le wedge end fitting forged series stud socket assembly.											
RUCTURAL STEEL AND EXPOSED BOLTS, NUTS AND WASHERS ARE TO BE PAINTED											
LING MEMBERS SHALL BE STRAIGHT AFTER FABRICATION AND GALVANIZING TO ¼°IN 10 FT. BY MECHANICAL MEANS WITHOUT DAMAGE TO THE ZINC COATING.											
ZE ALL OTHER STRUCTURAL STEEL PER AASHTO ARTICLE 1006.34 AFTER FABRICATION.											
IZE THREADED RODS, BOLTS, NUTS AND	ZE THREADED RODS, BOLTS, NUTS AND WASHERS PER AASHTO ARTICLE 1006.09.										
OLES SHALL BE DRILLED IN THE RAIL T	DLES SHALL BE DRILLED IN THE RAIL TUBES AS NECESSARY TO FACILITATE GALVANIZING.										
TS AND SPINDLES SHALL BE NORMAL TO GRADE.											
NAL STEEL MATERIAL SHALL COMPLY WITH AASHTO M270 GRADE 50 FOR ≹ ELEMENTS AND AASHTO M270 GRADE 36 FOR PLATES AND BARS.											
OF PARAPET RAILING, SPECIAL FOR PAYMENT SHALL BE MEASURED N THE OUTSIDE FACES OF THE CONCRETE RAIL.											
NCRETE RAILING (OR CONCRETE PARAPET)SHEET FOR DETAILS, RAILPOST SPACING MENT.											

COOK/DUPAGE 161 109 . 016-0587 55 22-1HB-CONTRACT NO. 60K77 42 SHEETS ILLINOIS FED. AID PROJECT