





Notes:

All field drilled holes shall be coated with an approved zinc rich paint before erection.

Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.

Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened

only to a point that will allow railing movement. Provide one $'_8$ " and two $'_6$ " steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes. All steel rail elements shall be galvanized according to Article

509.05 of the Standard Specifications.

T	D	A	B	C	E
≤4‴	2'2"	1'-8''	2″	4''	2'2''
>4″≤6 ¹ 2″	334"	2'-0"	2'2''	5'2"	3'2"
>6½″≤9″	5″	2'-4"	3'2"	6'2''	9″
>9‴≤13‴	7''	2'-10"	4'2''	8'2''	11''
Rail Splice	A"	1'-8''	2"	4"	

SPLICE DIMENSIONS

T = Total movement at expansion joint as shown on the design plans.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	

RIDGE RAIL DETAIL		F.A. RTE.	SECTION 2010-058 GRR		COUNTY	TOTAL SHEETS	SHEET NO.	
		VAR			VARIOUS	21	17	
					CONTRACT	NO. 6	OL 36	
SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO.	ILLINOIS FED. A	ID PROJECT		