

SPECIFICATIONS

MATERIALS:

(a) Rail element - Rail elements shall be formed from open-hearth or electric-furnsice steel of the gauge shown on plans or in the bid schedule, A test specimen of the rail material, shall elements on times than 12 percent in a 2 inch gauge length when tested in accordance with A.S.T.M. ES. Rail elements shall meet the strength requirements of table 1.

Table 1

Strength requirements for rail and joints for beam type guardrail:

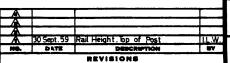
Minimum Gau ge	Tensile Strength	Bue in Strength			
		Traffic Face bp		Traffic Face Down	
		Load	Maximum Deflection	Load	Maximum Deflection
12 12	Pound s 89,000 80,000	Pounds 1,500 2,000	Inches 2 34 5 2	Pounds 1,200 1,600	Inches 2 34 5 1 2
10 10	100,000 100,0 00	2,000 3,000	2 ⁵ 4 5 '2	1,60 0 2 400	2 34 5 'e

- (1) With the rail element freely supported on a 12 foot 0 inch clear span and the load applied through a 3 inch flat surface at the center of the span, When the joint is tested it shall be at the center of the span.
- (b) Terminal sections Terminal sections shall be formed from open-hearth or electric-furnace steel of not less than 12 gage, A test specimen of the material shall be elongate not less than 12 percent in a 2 inch gage length when tested in accordance with A.S.T.M. ES.
- (c) Bolts and nuts Bolts and nuts shall be galvenized in accordance with the requirements of A.S.T.M. ALSS. The post bolt and connection shall develop a 5,000 pound side pull in either direction.

Paint shall conform to the requirements of the indicated specifications as follows:

Red lead ready-mixed paint - - - AASHO M72

STANDARD DEEP BEAM GUARD RAIL



GOVERNMENT OF THE PROVINCE OF ALBERTA DEPARTMENT OF HIGHWAYS

BRIDGE BRANCH, EDMONTON ----5-675-69 SHEET .