



- NOTES:**
- ALL WOOD FOR THE HANDRAIL SHALL BE SELECT No.1 CLEAR WESTERN RED CEDAR, FINISHED ALL SIDES.
  - BEVELLED CLEATS AND TOP RAIL TO BE FABRICATED IN APPROVED WOODWORKING PLANT.
  - BOLT HOLES IN POSTS TO BE FIELD DRILLED FOR HANDRAIL.
  - POSTS TO BE VERTICAL UNLESS NOTED OTHERWISE, SHM AS REQ'D FOR HANDRAIL.
  - FABRICATE SPLICE SLEEVES 5 mm THICK BY 300 mm LONG TO FIT INSIDE AN H.S.S. 152 x 152 x 6.35 WITH 1 mm CLEARANCE ALL AROUND.
  - GUARDRAIL TO BE CONTINUOUS FOR A MINIMUM OF THREE PANEL LENGTHS.
  - ALL SPLICES TO BE GALVANIZED.
  - SUPPLY OF GUARDRAIL FOR BRIDGE SHALL INCLUDE APPROACHES AT FOUR CORNERS.

- STEEL RAIL POSTS AND BASE PLATES ON BRIDGE TO BE CSA G40.21M - 350A.
- STEEL RAIL ON BRIDGE APPROACHES TO BE CSA G40.21M - 350 A.
- BOLTS TO BE CSA G40.21M - 350A

**SUPERSEDED**  
**SUPERSEDED** (1)  
By S-1452-82

THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF ALBERTA PERMIT NUMBER P 220 BOLTER PARISH TRIMBLE LTD.	AUGUST 7, 1981 MAY, 1981	HANDRAIL DETAILS REVISED. GUARDRAIL SIZE CHANGED.	S.D.S. S.D.S.	<b>Bolter Parish Trimble Ltd.</b> CONSULTING ENGINEERS				ALBERTA TRANSPORTATION BRIDGE AND STRUCTURAL ENGINEERING BRANCH	SHT. NO. OF
	NO. DATE DESCRIPTION BY	DEC., 1980	BPT DWG. 109-6-52	DWN. BY V.V.A. DES'D BY S.D.S.	LOCATION HWY.	KANANASKIS COUNTRY BRIDGES		FILE NO. HWY. STA. DWG. NO. S-1452	

REVISIONS

RAILING DETAILS-STANDARD BRIDGES