MATERIAL SPECIFICATIONS FOR STEEL BOX BEAM AND POSTS SAFETY BARRIER

1. The box beam shall be welded or seamless structural tubing conforming to CSA Standard G40.21-M, Grade 350W.

2. Posts shall be standard S75 x 8 beam section conforming to CSA Standard G40.21-M, Grade 300W.

3. All base plates, paddles, brackets, shims and splice plates shall conform to CSA Standard G40.21-M, Grade 300W.

4. All bolts, nuts and washers shall conform to ASTM 307.

5. All components and associated hardware except self drilling, self-tapping fasteners shall be galvanized according to CSA Standard G164-M.

6. Box beam safety barrier to be erected on a radius of 220 m or less shall be shop curved to the appropriate curvature.

MATERIAL SPECIFICATIONS FOR BOX BEAM TO W-BEAM TRANSITION SHOE

1. All sections shall be 5 mm steel and shall conform to the requirements of CSA Standard G40.21-M, Grade 300W.

2. Dimensions as specified in SP 28423 shall be considered as subject to a tolerance of $\pm$ 1.5 mm.

3. All welds shall conform to the requirements of CSA Standard W59-M and be ground to a smooth finish.

4. All surfaces shall have a protective coating applied by either:

   a) hot dip galvanizing conforming to the requirements of CSA Standard G164-M or;
   b) metallizing conforming to the requirements of CSA Standard G189 or;
   c) Two coats of zinc rich paint conforming to the requirements of CGSB specification 1-GP-1815.

RECOMMENDED: ROAD DESIGN ENGINEER APPROVED: ASSOC. DEPUTY MINISTER (ENGINEERING) DATE: MAY 20,1987	SASKATCHEWAN DEPARTMENT OF HIGHWAYS AND TRANSPORTATION BOX BEAM SAFETY BARRIER MATERIAL SPECIFICATIONS	STANDARD PLAN No. 28724