

USE

- a) Type 1 bridge barrier shall be used on arterial or collector highways for medium and short structures.
- b) Type 1 bridge barrier may be used on local highways for medium or short structures with concrete or concrete and steel throughout as an alternative to a Type 2 barrier.

DESIGN LOADINGS

1. Design of the Type 1 bridge barrier shall be in accordance with the requirements of CSA Standard CAN 3-S6-M.

MATERIAL SPECIFICATIONS

1. All structural steel, except tubing, shall conform to the requirements of CSA Standard G40.21-M, Grade 300W.
2. All hollow structural sections shall conform with the requirements of CSA Standard G40.21-M, Grade 350W.
3. All railing, posts, splices and hardware shall be galvanized in accordance with the requirements of CSA Standard G164-M.
4. All welding shall conform to the requirements of CSA Standard W59-M.
5. Galvanized surfaces damaged during shipping or erection shall be repaired with two coatings of a zinc rich paint conforming to the requirements of CGSB specification 1-GP-1815.
6. All bolts, nuts and washers shall conform to the requirements of ASTM Specification A307. Bolts, nuts and washers shall be cadmium plated or galvanized to conform to CSA Standard G164-M.
7. All concrete components shall provide a minimum 28 day compressive strength of 25 MPa. Reinforcing steel shall be fabricated from deformed bars conforming to the requirements of CSA standard G30.12-M.

RECOMMENDED: <i>J. J. Smyth</i> ROAD DESIGN ENGINEER APPROVED: <i>M. J. Park</i> ASSOC. DEPUTY MINISTER (ENGINEERING) DATE: MAY 20, 1987	SASKATCHEWAN DEPARTMENT OF HIGHWAYS AND TRANSPORTATION BRIDGE BARRIER TYPE 1 USE, DESIGN LOADS AND MATERIAL SPECIFICATIONS	STANDARD PLAN No. 28811
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