

USE

- a) Type 5 barriers may be used for short span modular bridge structures using the Ministry's standard precast concrete bridge stringers requiring a barrier meeting the PL-1 or the PL-2 performance level with or without an approach safety barrier being provided.
- b) Type 5 barriers may be used for short or medium structures having cast-in-place or a precast concrete bridge deck requiring a barrier meeting the PL-1 or the PL-2 performance level with or without an approach safety barrier being provided.
- c) At locations where approach safety barriers are not provided, an end treatment shall be used to lessen the potential of spearing. See Plan 28854.
- d) Refer to SKS 3.1.6-A.2 for criteria to determine need for an approach safety barrier.

DESIGN LOADS

1. Design of the type 5 steel traffic barrier conforms to the requirements of CAN/CSA-S6-06.

MATERIAL SPECIFICATIONS (RAILS AND POSTS)

1. All structural steel, except tubing, shall conform to the requirements of CAN/CSA-G40.21, Grade 300W.
2. All hollow structural sections shall conform to the requirements of CAN/CSA-G40.21-M, Grade 350W.
3. All railing, posts, blocks and hardware shall be galvanized according to the requirements of CSA Standard G164.
4. All welding shall conform to the requirements of CSA Standard W59.
5. Galvanized surfaces damaged during shipping or erection shall be given two coats of zinc rich paint.
6. All bolts, including anchor bolts, shall conform to the requirements of A.S.T.M. Specifications A307. Bolts, nuts and washers shall be cadmium plated or galvanized.
7. The threads of all galvanized nuts shall be tapped in accordance with A.S.T.M. Specifications A563.



BRIDGE BARRIER TYPE 5

USE, DESIGN LOADS AND MATERIAL SPECIFICATIONS

RECOMMENDED BY:		DIRECTOR DESIGN & TRAFFIC ENG.	DATE	Jun 13/13	STANDARD PLAN NO	28851
APPROVED BY:		EXECUTIVE DIRECTOR TECHNICAL STDS BRANCH	DATE	June 22/13	SHEET	1 of 1