

This specification outlines the requirements for the classification, placement, supply and installation of information warning devices.

PART 1 REFERENCES

This specification refers to the following standards, specifications, or publications:

Government of Newfoundland and Labrador, Department of Transportation and Infrastructure

TI Traffic Control Manual

Transportation Association of Canada

Transportation Association of Canada Manual of Uniform Traffic Control Devices for Canada (MUTCDC)

PART 2 GENERAL

2.1 GENERAL

- .1 Unless modified by the following, the specifications in MUTCDC and, municipally approved manual by Digital Government and Service NL or TI Traffic Control Manual will apply to temporary condition signs in all details concerning symbols, lettering, illumination, reflectorization, position, erection, material, support and maintenance.
- .2 The provisions for public protection established herein are for application by contractors employed under this contract. Traffic safety in construction zones should be an integral and high priority element of every project. The goal should be to route traffic through such areas, with temporary condition signs and devices, as nearly as possible comparable to those for normal situations.
- .3 The responsibility for temporary condition signs and devices rests with the contractor. Thus, while this specification provides standards for design and application of temporary condition signs and devices installations, it is not a substitute for good judgment. The decision to use a particular device at a particular location should be made on the basis of a study of the location.
- .4 The provisions for public protection established herein are for application by contractors performing any work under this contract. ~~All costs associated with temporary condition signing to standards as outlined in the contract documents shall be the responsibility of the contractor. Cost of~~

~~signs, handling, installation, materials and labour shall be paid by the contractor and no payment shall be considered by the Owner.~~

- .5 All traffic signs used for temporary conditions are designed and erected for the safety and convenience of travelling public, and for the safety of the workers on the construction projects.
- .6 The Owner shall be contacted 15 business days in advance for approval in signing major construction detours.
- .7 All installations of temporary condition signs shall be to the approved MUTCDC or TI Traffic Control Manual depending on jurisdiction or as directed by the Owner.
- .8 No construction work will be permitted to commence until all traffic control devices are erected in position, as shown in this specification and approved by the Owner.

PART 3 PRODUCTS

3.1 GENERAL

- .1 All signs shall conform to the required standards in shape, colour, size and position, as outlined in this specification for Temporary Condition Signing.
- .2 All temporary condition signs shall have a fully reflectorized background.~~Not Applicable~~

3.2 CLASSIFICATION OF TEMPORARY CONDITION SIGNS

- .1 Regulatory Signs shall be in accordance with the TI Traffic Control Manual. Reference to regulatory signs in this part will be limited to their application on portions of roadway where construction activities or other temporary and unusual conditions require road user response.
- .2 Warning Signs as described in this specification are temporary condition warning signs.
- .3 Information Signs shall be in accordance with the TI Traffic Control Manual. Reference to information signs in this part is limited to their application for guiding traffic through portions of roadway where construction activities or other temporary and unusual conditions may otherwise create confusion. Application for guiding traffic through detours associated with the above roadway conditions is also included. In all cases, detours signing shall be continuous and complete to guide the road user back to their normal route.

3.3 COLOURS AND SHAPES

- .1 Warning Signs shall have black symbols or lettering on an orange reflectorized background of High Intensity grade.
- .2 Regulatory and Information Signs, which may be used for temporary traffic control or guidance, shall have the same colour and shape in accordance with the TI Traffic Control Manual.

3.4 DIMENSIONS OF REGULATORY SIGNS

- .1 Shall be of the same minimum dimensions in accordance with TI Traffic Control Manual with the exception that when regulatory signs are used on sections of roadway where the maximum speed is 90 km/hr., their minimum dimensions shall be as follows:
 - .1 rectangular signs: 90 cm x 75 cm
 - .2 square signs: 90 cm x 90 cm

3.5 DIMENSIONS OF TEMPORARY CONDITION WARNING SIGNS

- .1 The minimum dimensions of this class of signs will vary with speed and with the type of road. In each case the following minimum sizes shall be maintained:

Minimum Dimensions of Warning Signs (cm)

	Condition #1*	Condition #2**
Trans-Canada Highway or Equivalent	90 x 90	90 x 90
Rural Roads	90 x 90	75 x 75
Urban Streets	75 x 75	75 x 75

*Advance signing preceding a reduction in speed

**Signs following a reduction in speed

3.6 DIMENSIONS OF INFORMATION SIGNS

- .1 The size and dimensions of information signs shall be in accordance with the TI Traffic Control Manual.

3.7 DIMENSIONS OF SIGN SUPPORTS

.1 When conditions are encountered where signs are required for only a relatively short duration of time or where they are moved at frequent intervals, the supports may be on weighted bases or folding frames provided the signs are held rigidly and maintained in a proper position, in accordance with General Conditions.

3.8 DIMENSIONS OF MOUNTING HEIGHT

.1 The mounting of signs described in this part shall normally be on a single post although those wider than 1200 mm should generally be mounted on two posts.

.2 Signs mounted on portable supports are suitable for temporary conditions not longer than seven (7) calendar days in duration.

.3 Variations, however, may be considered only to improve the visibility of the signs.

PART 4 EXECUTION

.1 **Not Applicable** All temporary condition signs not mounted on portable sign supports shall be mounted on the right side of the roadway at a height of 1.5 metres above the road surface and not less than 2 metres from the edge of the travelled portion of the roadway. Signs mounted on portable sign supports shall be erected on the right-hand side of the road in a level position at a height of not less than 1 metre from the road surface to the bottom of the sign and not less than 1.3 metres from the edge of the travelled portion of the highway.

.2 One sign only shall be placed on each support with exception of tab signs erected to provide supplementary or complementary information associated with warning signs or detour signs.

.3 Objects within the roadway or immediately adjacent to the roadway, which constitute a hazard to traffic, shall be marked with "Hazard Markers".

.4 Construction Speed Zones shall be implemented only as shown in this specification.

.5 After dark all signs shall be checked for visibility and those that cannot be clearly seen shall be cleaned, replaced, adjusted or illuminated.

.6 Poorly maintained, defaced, damaged or dirty temporary condition signs are ineffective and shall be replaced, repaired or cleaned without delay.

.7 After a project is completed, all traffic signs used on construction shall be removed immediately. Any erected signs not applicable during a phase of construction shall be removed or covered.

PART 5 PAYMENT

5.1 MEASUREMENT FOR PAYMENT

.1 Work under this section shall be measure and paid for in accordance with Section 01570 – Traffic Regulations.

5.2 BASIS OF PAYMENT

.1 All costs associated with temporary condition signing to standards as outlined in this specification shall be the responsibility of the Contractor. Cost of the signs, handling, installation, materials, and labour shall be paid by the Contractor and no payment shall be considered by the Owner.

.4.2 No separate or direct payment will be made for work as outlined in this specification. All costs associated with the work outlined in this specification shall be deemed to be included in the appropriate unit and lump sum prices quoted as outlined in the Measurement for Payment subsection of this section and as included in the MERX Schedule of Quantities and Prices.

Not For Construction