

Part 1 General

1.1 REFERENCES

- .1 CSA International
 - .1 CSA G40.20/G40.21-04(R2009), General Requirements for Rolled or Welded Structural Quality Steel/Structural Quality Steel.
 - .2 CAN/CSA O80 Series-08, Wood Preservation.
 - .3 CSA O121-08, Douglas Fir Plywood.
 - .4 CSA W47.2-11, Certification of Companies for Fusion Welding of Aluminum.
 - .5 CAN/CSA-Z809-08, Sustainable Forest Management.
- .2 Manual of Uniform Traffic Control Devices for Canada (MUTCD-C) – (latest edition)
- .3 New Brunswick Department of Transportation and Infrastructure Standard Specifications (latest edition)

1.2 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for traffic signage, including product characteristics, performance criteria, physical size, finish and limitations.
- .3 Sustainable Design Submittals:
 - .1 Wood Certification: submit manufacturer's Chain-of-Custody Certificate number for CAN/CSA-Z809 or FSC or SFI certified wood.

1.3 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials off ground and in accordance with manufacturer's recommendations.
 - .2 Replace defective or damaged materials with new.
- .4 Develop Waste Reduction Workplan related to Work of this Section.

Part 2 Products

2.1 MATERIALS

- .1 Sign supports:
 - .1 Sign posts shall be pressure treated in accordance with the most recent version of the NBDTI Standard Specification Item 510
 - .2 Fasteners: bolts, nuts, washers and other hardware for roadside signs to be cast aluminum alloy, or galvanized steel.
- .2 Signboards:
 - .1 Signboards to meet the Manual of Uniform Traffic Control Devices for Canada, latest edition.
 - .2 Aluminum sheet: to ASTM B209M, precut to required dimensions.
 - .1 Thickness for signboards up to 750 mm wide: 1.6 mm minimum.
 - .3 Aluminum extrusions: to ASTM B211M,
 - .4 T-shape stiffeners for signboards: to ASTM B210M.
 - .5 Connecting straps and brackets: to ASTM B209M.
 - .6 Aluminum materials: to ASTM B209M.
 - .7 Reflective sheeting and tape: to CGSB 62-GP-11M. Adhesive, class of reflectivity and colour as indicated.
 - .8 Transparent tape: flexible, smooth-surfaced, moisture resistant tape with pressure sensitive adhesive.
 - .9 Clear varnish protective coat.

Part 3 Execution

3.1 INSTALLATION

- .1 Sign support:
 - .1 Erect posts plumb and square to details as indicated.
 - .2 Sign identified for removal and reinstatement are to be replaced with pressure treated wood.
 - .3 Wooden post installation:
 - .1 Excavate post holes as indicated on Contract Drawings. Compact bottom of hole to provide firm foundation. Set post and backfill in 150 mm layers with excavated material. Compact each layer before placing each subsequent layer.
- .2 Signboard:
 - .1 Fasten signboards to supporting posts and brackets as indicated.

3.2 CORRECTING DEFECTS

- .1 Correct defects, identified by Departmental Representative. Correct angle of signboard and adjust for optimum performance during night conditions to approval of Departmental Representative.

3.3 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
- .3 Waste Management: separate waste materials for reuse or recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
 - .1 Carefully dismantle and salvage wood, aluminum and steel materials.
 - .2 Deliver salvaged materials to location specified by Departmental Representative.

3.4 PROTECTION

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by traffic signage installation and salvage operations.

END OF SECTION