

**PART E**  
**SPECIFICATIONS**

## PART E - SPECIFICATIONS

### GENERAL

#### E1. APPLICABLE SPECIFICATIONS, STANDARD DETAILS AND DRAWINGS

E1.1 *The City of Winnipeg Standard Construction Specifications* in its entirety, whether or not specifically listed on Form B: Prices, shall apply to the Work.

E1.1.1 *The City of Winnipeg Standard Construction Specifications* is available in Adobe Acrobat (.pdf) format on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division internet site at <http://www.winnipeg.ca/matmgmt>.

E1.1.2 The version in effect three (3) Business Days before the Submission Deadline shall apply.

E1.1.3 Further to GC:2.4(d), Specifications included in the Bid Opportunity shall govern over *The City of Winnipeg Standard Construction Specifications*.

E1.2 The following Drawings are applicable to the Work:

<u>Drawing No.</u>	<u>Drawing</u>
SL1	Signs

#### E2. SIGNS

E2.1 General Description

(a) The work to be done by the Contractor under this Specification shall include the supply and on Site installation of signs and mounting brackets, including all labour and materials, and the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies and all other things necessary for and incidental to the satisfactory performance and completion of the work hereinafter specified.

(b) Signage:

(i) Type A – Large Banner: Single Sided

(ii) Type B – Medallion Topper: Double Sided

(iii) Type C – Medallion Sign: Single and Double Sided

(c) Mounting Brackets

(i) Finials

(ii) Custom Brackets

E2.2 Quantities

(a) The quantities for each sign type and bracket are listed in Form B: Prices.

E2.3 Samples / Shop Drawings

(a) The Contractor shall produce one (1) full size, colour prototype of each of the Type B and C Signs, as per Drawing SL1 for approval by the Contract Administrator prior to the manufacturing of the full order to ensure that the materials and manufacturing procedures are in compliance with the Specifications.

(b) The Contractor shall produce shop drawings for the custom bracket, c/w P.Eng stamp, for approval of the Contract Administrator prior to fabrication. Structural performance criteria shall meet local wind loads and all other applicable standards.

E2.4 Sign Locations

- (a) Sign Locations will be provided at the time of installation.
- (b) In general, sign locations are as follows:
  - (i) Type A: on banner pole on median of Portage Avenue at Valour Road.
  - (ii) Type B: on existing bus stop and street name signs along Valour Road from Portage Avenue to Richard Avenue.
  - (iii) Type C: on decorative poles on Portage Avenue, St. Matthews Avenue, Ellice Avenue, Sargent Avenue, and Wellington Avenue where they meet Valour Road.

## E2.5 Materials

- (a) Sign Base Plates: Sign grade aluminium, Grade 5052 H36 or H38 and .125" thickness. Pre-drilled mounting holes shall be sized and fit to adequately secure the sign for the intended mounting, use and warranty period.
- (b) Reflective Sheeting: 3M Scotchlite or Avery Denison Engineering Grade Reflective Sign Sheeting with seven (7) year warranty.
  - (i) Reflective Base Surface - White
  - (ii) Lettering and graphics are to be as per the supplied artwork. The artwork may be supplied as TIFF or PDF files.
- (c) Printing/Screening/Graphic Application
  - (i) Silk screen, digital print or solvent jet, as per approved samples, c/w min. 3 year warranty.
  - (ii) Inks and colours, as per approved samples
- (d) Colours
  - (i) Perimeter 30mm Wide Border - White
  - (ii) Centre Maltese Cross and 50mm horizontal band – Gold
  - (iii) Centre Maltese Cross 9mm border - Maroon
  - (iv) Lettering – Gold
  - (v) Bottom arc field – Silver
  - (vi) Top arc field – Red
  - (vii) Top inner arc – Blue
  - (viii) Outlines and fields – Black
  - (ix) Outlines and fields – various half tones
- (e) Mounting Brackets & Fasteners
  - (i) Finial Brackets – standard finial brackets for the installation of sign toppers.
  - (ii) Custom Side Mount Brackets – as shown on Drawing 4-SL1.
  - (iii) All mounting brackets shall be galvanized steel frames and/or stainless steel brackets, sufficient in size and strength to meet the structural and technical requirements of the applicable sign, the City of Winnipeg, and/or any other applicable regulatory authority.
  - (iv) All fasteners to be stainless steel, galvanized or otherwise approved rust proof units, sufficient in size and strength to meet the structural and technical requirements of the applicable sign, the City of Winnipeg, and/or any other applicable regulatory authority.

## E2.6 Execution

- (a) Base Plate Preparation
  - (i) Debur, degrease, sand all edges and holes to acceptable finish as per Reflective Sheeting Manufacturer's specifications.

- (b) Reflective Sheeting
  - (i) Apply reflective sheeting as per Manufacturer's specifications.
- (c) Custom Side Mount Bracket
  - (i) Finish as specified on Drawing 4-SL1.
- (d) Installation
  - (i) Install banners, medallion signs and toppers.
  - (ii) All installations shall be on existing poles.

#### E2.7 Basis of Payment

- (a) Payment for Work specified under this section shall be paid for at the unit price bid for the Items of Work listed below, which price shall include all costs of supply and installation. All other items or Work deemed necessary to complete the Work as specified shall be considered incidental.
- (b) Items of Work
  - (i) Type A – Banner
  - (ii) Type B – Medallion Topper
  - (iii) Type C – Medallion Sign: Double Sided
  - (iv) Type C – Medallion Sign: Single Sided
  - (v) Finial Brackets
  - (vi) Custom Side Mount Brackets
  - (vii) Installation