

**Addendum  
Addenda**

No./No  1
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Project Description / Description de projet <b>M02 Front Entrance Rehabilitation</b>		
Project No./No de projet <b>5711</b>	Departmental Representative / représentant ministériel <b>Benoit Huot</b>	Date <b>13-Aug-2020</b>
Solicitation No./N° de sollicitation <b>number</b>		
Notice: This addendum shall form part of the tender documents and all conditions shall apply and be read in conjunction with the original plans and specifications.		
Nota: Cet addenda fait partie intégrale des dossiers d'appel; toutes les conditions énoncées doivent être lues et appliquées en conjonction avec les plans et les devis originaux.		

Item No      Description

**1.1**

**REMOVE:**

Specification Section 01 56 00 – Temporary Barriers and Enclosures  
Part 1 - 1.3 HOARDING

- .1 Erect temporary site enclosures using 38 x 89mm construction grade lumber framing at 600mm center and 1200 x 2400 x 13mm exterior grade fir plywood to CSA O121.
- .2 Apply plywood panels vertically; flush and butt jointed.
- .3 Provide one lockable vehicle entrance gate and at least one pedestrian door. Equip gates with locks and keys.
- .4 Maintain pedestrian walkways complete with signs and electrical lighting as required by law.
- .5 Maintain public side of enclosure in clean condition.
- .6 Provide barriers around trees and plants designated to remain. Protect from damage by equipment and construction procedures.

**REPLACE WITH:**

Specification Section 01 56 00 – Temporary Barriers and Enclosures  
Part 1 - 1.3 HOARDING

- .1 Erect temporary site enclosures using a steel construction fence with privacy panels minimum 1830mm feet in height. Layout as per drawings.
- .2 Maintain public side of enclosure in clean condition.
- .3 Provide barriers around trees and plants designated to remain. Protect from damage by equipment and construction procedures.

1.2 **REMOVE:**  
Section 05 72 00 - ALUMINUM RAILING SYSTEM (Complete section)

**REPLACE WITH:**  
Section 05 72 00 – STAINLESS STEEL RAILING (See attached)

1.3 **REMOVE:**  
Construction note #14 and #15 on drawings sheet 5711 – A02.

1.4 **REMOVE:**  
Construction note #6 on drawing sheet **5711 – A02:**

New 38mm **aluminum** handrail with welded seams. Match existing finish. New railing to be installed in same location as existing. Ensure coordination between new handrail and existing anchor holes. Refer to specs.

Construction note #6A on drawing sheet **5711 – A02:**

Provide new **aluminum** base sleeves. Match existing diameter and finish. Provide backer rod and sealant around full perimeter of new **aluminum** base sleeve. Refer to specs.

**REPLACE WITH:**  
Construction note #6 on drawing sheet **5711 – A02:**

New 38mm **stainless steel** handrail with welded seams. Match existing finish. New railing to be installed in same location as existing. Ensure coordination between new handrail and existing anchor holes. Refer to specs.

Construction note #6A on drawing sheet **5711 – A02:**

Provide new **stainless steel** base sleeves. Match existing diameter and finish. Provide backer rod and sealant around full perimeter of new **stainless steel** base sleeve. Refer to specs.

**1.5**      **REMOVE:**

Construction **note #2** on drawing sheet **5711 – A02:**

New mortar bed to match existing heights (+-50mm). Refer to specs.

**REPLACE WITH:**

Construction **note #2** on drawing sheet **5711 – A02:**

New mortar bed to match existing heights (+-50mm). Ensure 1% slope away from main entrance is maintained throughout. Refer to specs.

**1.6**      **REMOVE:**

Construction **note #12** on drawing sheet **5711 – A02:**

Existing concrete flower boxes to be painted black. Apply 1 coat of concrete primer and 2 coats of masonry paint. Height approx. = 610mm.

**REPLACE WITH:**

Construction **note #12** on drawing sheet **5711 – A02:**

Existing concrete flower boxes to be painted black (All exposed surfaces). Apply non shrink grout to all existing cracks for smooth surface per manufacturers recommendations. Apply 1 coat of concrete primer and 2 coats of masonry paint. Height approx. = 610mm. Refer to specifications. Remove 150mm of the existing dirt to finish portion of the interior and edges of the existing concrete flower boxes.

**1.7**      Job showing attendance sheet attached

**END**

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**PART 1: GENERAL**

**1.1. SUMMARY**

- .1 Provide handrails at exterior locations as indicated. This section includes requirements for supply, fabrication and installation of architecturally exposed railings.

**1.2. RELATED SECTIONS**

- .1 ASTM A53/A53M Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
- .2 ASTM A325 Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength  
ASTM E935-00e1 Standard Test Methods for Performance of Permanent Metal Railing Systems and Rails for Buildings
- .3 ASTM E985-00e1 Standard Specification for Permanent Metal Railing Systems and Rails for Buildings.
- .4 Canadian Institute of Steel Construction (CISC):
- .5 CSA W47.1, Certification of Companies for Welding of Steel Structures

**1.3. DESIGN REQUIREMENTS**

- .1 Be responsible for complete design, fabrication and installation of handrails as detailed on drawings. Drawings indicate general arrangement of assemblies, spacing, profile and sizes of members, materials and interface with adjacent construction.
- .2 Design handrails and connections to withstand lateral forces in accordance with local and National Building Code requirements for guardrails. Test in accordance with ASTM A935.
- .3 Design guardrails to meet Building Code requirements for height and size.

**1.4. SUBMITTALS**

- .1 Provide information requested and specified in accordance with Section 01 33 00.
- .2 Shop Drawings: Retain a Registered Engineer experienced in design of handrail system and licensed in the province of the Work and responsible for the overall design of the guardrail system. Prepare, seal and sign Shop Drawings and perform field reviews.
  1. Shop Drawings to show design and installation requirements.
  2. Show layout, spacing, sizes, thicknesses and types of framing, fastening and anchorage details, including mechanical fasteners. Show reinforcing channels,

opening and supplemental framing, strapping, blocking, bracing, bridging, splices, accessories, connection details, and attachment to adjacent construction.

- .1 Indicate locations of curved areas, dimensions and openings.
3. Indicate design loads, design thickness exclusive of coatings, coating specifications, screw sizes and spacing, and anchors.
- .3 Samples: Submit samples for verification by NRC departmental representative for each type of exposed finish.

### **1.5. QUALITY ASSURANCE**

- .1 Detail and fabricate metal fabrications in accordance with the NAAMM AMP 510, 521, and 555; prepare fabrication and erection documents and materials lists in accordance with CSA S16.
- .2 Manufacturer: Company specializing in the manufacture of guardrail systems for a minimum of five (5) years. Work of this section to be performed by a contractor experienced in the fabrication and working of steel, including cutting, bending, forming, and finishing.
- .3 Welders: Perform structural welding using welders certified by CWB for each type of weld required within past 12 months.
- .4 Installer: Company specializing in the installation of guardrails with five (5) years proven Canadian experience for projects of similar size, materials and complexity. Provide written proof of qualifications when requested.

### **1.6. DELIVERY, STORAGE, HANDLING AND PROTECTION**

- .1 Exercise care in storing, handling and erecting material. Support materials properly at all times so that no piece will be bent, twisted, or damaged structurally or visually.
- .2 Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer. Inspect delivery. Keep materials in original, unopened containers and packaging until installation.
- .3 Store materials in clean, dry area indoors in accordance with manufacturer's written instructions and away from uncured concrete or masonry; cover with waterproof paper, tarpaulin or polyethylene sheeting in a manner that permits air circulation inside of covering. Do not store materials directly on floor.
- .4 Correct damaged material and where damage is deemed irreparable by the Owner; replace the affected item at no additional expense to the Owner.

### **1.7. FIELD MEASUREMENTS**

- .1 Site Measurements: Verify dimensions by site measurements before fabrication and indicate measurements on shop drawings where prefabricated decorative metal railing

systems are indicated to fit between, around or be fastened to other construction; coordinate fabrication schedule with construction progress to avoid delaying the Work.

- .2 Established Dimensions: Establish dimensions and proceed with fabricating railing systems; coordinate construction to ensure that actual site dimensions correspond to established dimensions.
- .3 **Take site measurements after the completion of the granite stairs work to ensure coordination between the railing and the existing holes for anchoring.**

## **PART 2: PRODUCT**

### **2.1. MATERIALS**

- .1 Steel/Stainless steel:
  1. Type 316 for exterior work,
  2. Finish: Polished directional brushed finish.
  3. Material: Group 1 alloy 316 stainless-steel bolts and nuts complying with ASTM F593 and ASTM F594.
- .2 Screws, anchors, and inserts: corrosion resistant cadmium plated stainless steel, sized to suit application to prevent chipping or breakage at fastener location.

### **2.2. FABRICATION**

- .1 Fabricate railing assembly to design dimensions, details, and specified requirements for compliance and structural performance. Fabricate members and fittings to provide flush, smooth, rigid hairline joints.
- .2 Exposed Mechanical Fastenings: concealed fasteners and fitting where possible and locate exposed fasteners unobtrusively; consistent with design of component, except where specifically noted otherwise.
- .3 Supply components required for anchorage of fabrications. Fabricate anchors and related components of same material and finish as fabrication.

### **2.3. COMPONENTS**

1. Base sleeve: Type 316; Finish: Polished directional brushed finish.

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**PART 3: EXECUTION**

**3.1. EXAMINATION**

- .1 Examine areas to receive railings and note conditions that adversely affect installation or subsequent use of decorative railing system; coordinate with NRC departmental representative for correction of unacceptable site conditions.

**3.2. INSTALLATION**

- .1 Install in accordance with Reviewed shop drawings and manufacturer's instructions.
- .2 Install components plumb and level, with fitted hairline joints, free from distortion or defects detrimental to appearance and performance.
- .3 Provide fasteners and anchors required for connecting railings to structure. Anchor railing to structure.
- .4 Grout bases of posts, balusters or newels occurring in concrete using non-shrink grout in accordance with manufacturer's instructions. Finish smooth, level and flush with surrounding finished surface.
- .5 Conceal bolts and screws whenever possible. Where not concealed, use flush countersunk fastenings.
- .6 Grind off surplus welding materials and provide sharp profiles and arrises.
- .7 Touch up with matching primer, or zinc rich paint for galvanized components, field welds, damaged and abraded surfaces, and surfaces not previously primed.

**3.3. CLEANING**

- .1 Clean installations and assemblies progressively and, at completion of work.
- .2 Wash railing using clean water and soap, rinse with water. Do not use acid solutions, steel wool, or other abrasives that may mar or gouge material.

**END OF SECTION**

## Mandatory Site Visit Attendance / Visite de chantier obligatoire

Project Description / Description de projet M-2 Front Door Rehabilitation				Closing Date August 20, 2020		Closing time 2:00 PM	
Solicitation No./N° de sollicitation 20-58043		Project No./No de projet		1st Showing July 28, 2020		Showing Time 10:00 AM	
Departmental Representative / représentant Benoit Huot		Signature	Alternate/Questions deadline August 10, 2020	Addendum Deadline August 14/ 12:00	2nd Showing July 30, 2020		

COMPANY/COMPAGNIE	NAME/NOM	SIGNATURE	PHONE/TELEPHONE	FAX/TELECOPIEUR	EMAIL/COURRIEL
JP Gravel Construction	Yann Lecompte	present on the 28th	613-229-9897		<a href="mailto:yann@jpgravelconst.ca">yann@jpgravelconst.ca</a>
Dolyn Construction	Bradley Nichols	present on the 30th	613-282-1285		<a href="mailto:estimating@dolyn.com">estimating@dolyn.com</a>
Bradley Contracting	Tim Monk	present on the 30th	613-816-1253		<a href="mailto:tim@bradleycontracting.com">tim@bradleycontracting.com</a>
Prestige Ottawa	Enzo DiChiara	present on the 30th	613-913-6935		<a href="mailto:enzo@prestigeottawa.com">enzo@prestigeottawa.com</a>
F trottier	Damien Whissel	present on the 28th	613-290-3427		<a href="mailto:Gabrielle@trottier.com">Gabrielle@trottier.com</a>
Serge Zimola Construction	Serge Zimola		613-880-7872		<a href="mailto:serge@zimolaconstruction.ca">serge@zimolaconstruction.ca</a>
Premium Construction	Ibrahim Lokhandwala	present on the 28th	613-301-6005		<a href="mailto:ibrahim@premium-construction.ca">ibrahim@premium-construction.ca</a>
Premium Construction	Mike Vezina		613-301-6005		<a href="mailto:Mike@premium-Construction.ca">Mike@premium-Construction.ca</a>
Profex construction	Andre Durand	present on the 30th	819-208-3555		<a href="mailto:adurand@groupeprofex.com">adurand@groupeprofex.com</a>
Brawn Construction	Ayaz Landon-Brown	present on the 28th	613-402-0156		<a href="mailto:ayazlb@brawnconstruction.ca">ayazlb@brawnconstruction.ca</a>
BMI	Ahmed Shammout	present on the 30th	613-235-2126		<a href="mailto:ahmed@BMI-ind.com">ahmed@BMI-ind.com</a>
Arrow	Nathan Villeneuve	present on the 30th	613-285-9861		<a href="mailto:nvilleneuve@arrowservices.ca">nvilleneuve@arrowservices.ca</a>
Lari construction	Jonathan Hébert	present on the 28th	613-851-2774		<a href="mailto:jonathan@lariconstruction.com">jonathan@lariconstruction.com</a>
Bassi	Vincent Carbonneau	present on the 28th	613-822-6767		<a href="mailto:vcarbonneau@bassi.ca">vcarbonneau@bassi.ca</a>
Paranis Construction	Daniel Danis	present on the 28th	613-978-9576		
Defran	Denys Labelle	present on the 30th	819-664-7244		<a href="mailto:Denys.Labelle@Defran.ca">Denys.Labelle@Defran.ca</a>