



59-2018 ADDENDUM 1

MCDERMOT AVENUE AND BANNATYNE AVENUE ADJUSTABLE BIKE LANES

URGENT

PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE BID OPPORTUNITY

ISSUED: April 12, 2018
BY: Kevin Rae, P. Eng.
TELEPHONE NO. 204 928-8430

THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID OPPORTUNITY AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: A20160708

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid may render your Bid non-responsive.

PART A – BID SUBMISSION

Replace: 59-2018 Bid Submission with 59-2018 Addendum 1 - Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

Several items were added and several quantities changed.

PART E – SPECIFICATIONS

Revise: E1.2 to read: The following are applicable to the Work:

| <u>Drawing No.</u> | <u>Drawing Name/Title</u> |
|--------------------|---|
| P-3496-00 | Cover Sheet |
| P-3496-01 | General Notes |
| P-3496-02 | McDermot Avenue – Station 9+980 to 10+290 – Plan |
| P-3496-03 | McDermot Avenue – Station 10+290 to 10+470 – Plan and Profile |
| P-3496-04 | McDermot Avenue – Station 10+470 to 10+650 – Plan and Profile |
| P-3496-05 | McDermot Avenue – Station 10+650 to 10+830 – Plan and Profile |
| P-3496-06 | McDermot Avenue – Station 10+830 to 11+010 – Plan and Profile |
| P-3496-07 | McDermot Avenue – Station 11+010 to 11+190 – Plan and Profile |
| P-3496-08 | McDermot Avenue – Station 11+190 to 11+370 – Plan |
| P-3496-09 | McDermot Avenue – Station 11+370 to 11+560 – Plan and Profile |
| P-3496-10 | McDermot Avenue – Station 11+560 to 11+740 – Plan and Profile |
| P-3496-11 | Bannatyne Avenue – Station 19+950 to 20+300 – Plan |
| P-3496-12 | Bannatyne Avenue – Station 20+300 to 20+480 – Plan and Profile |
| P-3496-13 | Bannatyne Avenue – Station 20+480 to 20+660 – Plan and Profile |
| P-3496-14 | Bannatyne Avenue – Station 20+660 to 20+840 – Plan and Profile |
| P-3496-15 | Bannatyne Avenue – Station 20+840 to 21+020 – Plan and Profile |
| P-3496-16 | Bannatyne Avenue – Station 21+020 to 21+200 – Plan and Profile |
| P-3496-17 | Bannatyne Avenue – Station 21+200 to 21+380 – Plan and Profile |
| P-3496-18 | Bannatyne Avenue – Station 21+380 to 21+560 – Plan and Profile |
| P-3496-19 | Bannatyne Avenue – Station 21+560 to 21+700 – Plan and Profile |
| P-3496-20 | Ellen Street – Station 29+980 to 30+120 – Plan and Profile |
| P-3496-21 | Hargrave Street – Station 39+980 to 40+120 – Plan and Profile |
| P-3496-22 | Concrete, Bus-stop and Bike Facility Details |
| P-3496-23 | Curb Ramp, Indicator Strip, and Wayfinding Sign Details |
| P-3496-24 | McDermot Avenue – Station 9+980 to 10+290 – Signage and Pavement Markings |

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|------------------|--|
| P-3496-25 | McDermot Avenue – Station 10+290 to 10+650 – Signage and Pavement Markings |
| P-3496-26 | McDermot Avenue – Station 10+650 to 11+010 – Signage and Pavement Markings |
| P-3496-27 | McDermot Avenue – Station 11+010 to 11+370 – Signage and Pavement Markings |
| P-3496-28 | McDermot Avenue – Station 11+370 to 11+740 – Signage and Pavement Markings |
| P-3496-29 | Bannatyne Avenue – Station 20+000 to 20+300 – Signage and Pavement Markings |
| P-3496-30 | Bannatyne Avenue – Station 20+300 to 20+660 – Signage and Pavement Markings |
| P-3496-31 | Bannatyne Avenue – Station 20+660 to 21+020 – Signage and Pavement Markings |
| P-3496-32 | Bannatyne Avenue – Station 21+020 to 21+380 – Signage and Pavement Markings |
| P-3496-33 | Bannatyne Avenue – Station 21+380 to 21+690 – Signage and Pavement Markings |
| P-3496-34 | Ellen Street and Hargrave Street – Signage and Pavement Markings |
| P-3496-35 | Adelaide Street – Station 50+000 to 50+300 – Signage and Pavement Markings |
| P-3496-36 | Adelaide Street – Station 50+300 to 50+393.95 – Signage and Pavement Markings |

Revise: E20 to read: SUPPLY AND INSTALLATION OF POLYPOSTS

Revise: E22.6(a) to read: Powdercoat for exterior metal: in accordance with Exterior metal Powdercoating specification.

Delete: E23 EXTERIOR METAL PAINTING

Add: E27 SUPPLY OF POLYPOSTS

DESCRIPTION

E27.1 General

E27.1.1 This Specification covers all operations relating to the supply of permanent surface mount polyposts for delineation of cycling corridors.

E27.1.2 The Work to be done by the Contractor under this Specification shall include the furnishing of all superintendence, overhead, labor, materials, equipment, tools, supplies, and all things necessary for and incidental to the satisfactory performance and completion of all Works as hereinafter specified.

MATERIALS

E27.2 Polyposts

E27.2.1 Polyposts shall be PEXCO, Flexi-Guide, FG 300, Model EFX Green in color, or equivalent in accordance with B6 as approved by the Contract Administrator. A link to the manufacturer's website is provided:
<http://www.pexco.com/markets/industrial/traffic/bollards-and-channelizer-posts/fg-300-posts/>

SUBMITTALS

E27.3 Prior to construction, submit the following to the Contract Administrator.

E27.3.1 Shop drawings for the type of polypost proposed to be supplied and installed.

DELIVERY

E27.4 All polyposts are to be delivered to Public Works at 1220 Pacific Avenue.

MEASUREMENT AND PAYMENT

E27.5 Supply of Polyposts shall be measured on a unit basis and will be paid for at the contract Unit Price for the number of "Supply of Polyposts" supplied in accordance with this specification and accepted and measured by the Contract Administrator.

Add: E28 EXTERIOR METAL POWDERCOATING

DESCRIPTION

- E28.1 This Specification covers all operations relating to the preparation of surfaces and application of powder coat using approved conventional methods.
- E28.2 The Work to be done by the Contractor under this Specification shall include the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies, and all things necessary for and incidental to the satisfactory performance and completion of all Works as hereinafter specified.

SUBMITTALS

- E28.3 Submit a sample of the powdercoat finish to the Contract Administrator for approval.

MATERIALS

E28.4 Powder Coat System

- E28.4.1 The Contractor shall be responsible for the supply, safe storage and handling of all materials set forth in this Specification. All materials supplied under this Specification shall be subject to inspection and acceptance by the Contract Administrator.
- E28.4.2 Powder coating system shall be applied in accordance with the manufacturer's specifications, and to the satisfaction of the Contract Administrator.
- E28.4.3 The Contractor shall be responsible for the supply, safe storage and handling of all materials set forth in this Specification. All materials supplied under this Specification shall be subject to inspection and acceptance by the Contract Administrator.
- E28.4.4 The Powder coating system shall be the following, or accepted alternative by Contract Administrator in accordance with B6. Powder coating system shall be applied in accordance with the manufacturer's specifications, and to the satisfaction of the Contract Administrator..

E28.5 Powder Coating Color

- E28.5.1 Powder coating color shall be Satin Black Finish.
- E28.5.2 Mixing and application shall be in strict accordance with manufacturer's written instructions.

CONSTRUCTION METHODS

- E28.6 Preparation and powdercoating of members shall be completed in a controlled environment. If powdercoating operations must occur in the field obtain Contract Administrators to review the Work that is to be completed in the field, prior to proceeding.
- E28.7 Preparation of Metal Surfaces
- E28.7.1 Clean all surfaces by removing paint, rust, mill scale, welding slag, dirt, oil, grease and other foreign substances by sand blasting cleaning in accordance with manufacturer instructions.
- E28.7.2 Remove all salts and surface contaminants by water blasting or steam cleaning prior to dry abrasive blasting.
- E28.7.3 When cleaning by air blasting with sand, provide adequate separators and traps to remove detrimental amounts of water and oil from compressed air before reaching nozzle. Remove traces of blast products from surface and from pockets

and corners by brushing with clean brushes, by blowing with clean compressed air, or by vacuum cleaning. Do not damage partially or completed work adjacent to area being cleaned.

E28.7.4 Abrasives used in shop cleaning shall be free of chlorides and other contaminants which could affect the coating being applied, and shall produce the anchor pattern required by the coating system.

E28.7.5 Following abrasive blasting clean the surfaces with a mixture of DEOXIDINE 7150, PARCO PRECLEAN 2960 and water mixed in accordance with manufacturer's instructions.

E28.7.6 Following the above cleaning use high pressure water rinse at a minimum of 176 degrees F @ 2000 psi.

E28.7.7 Following the high pressure water rinse apply PARCO SPRAY WAND 101 in accordance with Manufacturer's instructions. Followed by a final fresh water rinse at a minimum 176 degrees F @ 3000 psi.

E28.8 Protection of Surfaces

E28.8.1 Apply primer or powder coat as soon as possible after surface has been cleaned and before deterioration of surface occurs.

E28.8.2 In the event that rusting occurs after completion of surface preparation, clean surfaces again.

E28.8.3 Prevent contamination of cleaned surfaces by sand, grit, salts, acids, alkali, other corrosive chemicals, grease, oil and solvents before prime coat is applied and between applications of remaining coats. Must remove such contaminants from surface to the satisfaction of the Contract Administrator and apply the powder coat immediately.

E28.8.4 Protect cleaned and freshly painted surfaces from excessive dust produced by traffic, and from dust, sand and grit produced by blasting operation at no extra cost.

E28.8.5 Chemical pre-treatment of bare metal surfaces shall not be permitted.

E28.9 Powder coating thicknesses

E28.9.1 Two coats system with a thickness as directed by coating manufacturer's instructions for exterior applications, including the thickness of the primer. Provide proof of thickness for acceptance by the Contract Administrator.

E28.9.2 Do not exceed maximum thickness recommended by coating manufacturer.

E28.10 Applying the powder coating

E28.10.1 The application of the powder coating shall be as per manufacturer instruction.

E28.10.2 To maximum extent possible apply each coat as a continuous film of uniform thickness, free of pores.

E28.10.3 Application:

- (a) Provide and maintain equipment that is suitable for intended purpose, capable of properly applying the specified powder coat product.
- (b) Provide traps or separators to remove oil and water from compressed air and drain periodically during operations.
- (c) Keep powder coating ingredients properly mixed.

- (d) Apply powder coating in a uniform layer, as per manufacturer instructions.

E28.11 Inspection and Quality Control

- E28.11.1 The Contractor shall provide access to the Work for inspection and testing purposes.
- E28.11.2 Areas found to be deficient with respect to preparation of surfaces and/or powder coating shall be corrected and made good by the Contractor, at his cost, to the satisfaction of the Contract Administrator.
- E28.11.3 Any newly powder coated surfaces will be considered to lack uniformity, continuity and soundness, and will be rejected, if any of the following defects are apparent.
 - (a) Runs, sags, holidays or shadowing caused by inefficient application methods.
 - (b) Evidence of poor coverage at bolts, plate edges, lap joints, crevices, pockets, corners and re-entrant angles.
 - (c) Surfaces which have been struck, scraped, spotted by rain or otherwise damaged.
 - (d) Surfaces which exhibit an objectionable texture such as orange peel, mud cracking, fish eyes, etc.
 - (e) Surfaces damaged by over spray.

E28.12 Test Data

- E28.12.1 The coating company shall provide proof in the form of the manufacturer's datasheets that the powder coating being used conforms to the test results and quality characteristics as per manufacturer's test data requirements.

DELIVERY TO SITE

- E28.13 Allow all shop powdercoated members to fully cure before preparing for shipment.
- E28.14 Once fully cured wrap members in cellophane plastic or bubble wrap designed to protect finished surfaces without scratching or marring them during transport. Secure wrappings with appropriate tape or adhesives that are sturdy but can easily be removed at the site.
- E28.15 Deliver to site with equipment suitable for carrying steel loads and capable of hoisting steel members over other features into their final locations.

TOUCH-UPS

- E28.16 Ensure all welding work and mechanical fasteners are wiped clean and free of oil, debris and grit.
- E28.17 Once all touch-ups are complete contact Contract Administrator for review and approval of metal work and coating.

STANDARD OF ACCEPTANCE

- E28.18 Powdercoat finishes shall be accepted if they meet the performance standards of the product supplier and match the sample accepted as the standard of performance at the commencement of painting.

E28.19 Powdercoated surfaces shall be warranted against corrosion, peeling and general failure for two (2) years after date of total performance.

FINAL ACCEPTANCE

E28.20 Provide the City of Winnipeg with maintenance manual inserts detailing products and methods used to achieve metal painting finishes.

MEASUREMENT AND PAYMENT

E28.21 Powdercoating of information panels will not be measured for payment and shall be included in the supply and install of said items.

Add: E29

PEDESTRIAN LIGHT GLOBES AND RINGS

DESCRIPTION

E29.1 General

E29.1.1 This Specification covers all operations relating to the supply of pedestrian light globes and rings for mounting on decorative light fixture poles by Manitoba Hydro.

E29.1.2 The Work to be done by the Contractor under this Specification shall include the furnishing of all superintendence, overhead, labor, materials, equipment, tools, supplies, and all things necessary for and incidental to the satisfactory performance and completion of all Works as hereinafter specified.

MATERIALS

E29.2 Globes and Rings

E29.2.1 The Contractor shall supply new globes and rings for Stittsville Lights to be installed by Manitoba Hydro. The manufacturer is Smith-Paterson Sales and the number and type of globes and rings shall be as follows:

- (a) 29 - SPA-ER 104 C P F c/w Aluminum Neck ring LP98006 or equivalent in accordance with B6 as approved by the Contract Administrator.
- (b) 8 - SPA-ER 105 C P F c/w Aluminum Neck ring LP98008 or equivalent in accordance with B6 as approved by the Contract Administrator.

DELIVERY

E29.3 Globes and Rings

E29.3.1 The Contractor shall obtain the Pedestrian Light Globes and Rings and deliver to 1277 Pacific Avenue, contact: Rydell Lasko, p: 204-232-6052.

MEASUREMENT AND PAYMENT

E29.3.2 Supply of Pedestrian Light Globes and Rings shall be measured on a unit basis and will be paid for at the contract Unit Price for the number of "Supply of 14 inch SPA Globes" and "Supply of 16 inch SPA Globes" supplied in accordance with this specification and accepted and measured by the Contract Administrator.

Add: E30

RELOCATION OF TEMPORARY PLANTERS

DESCRIPTION

E30.1 General

E29.1.1 This Specification covers all operations relating to the removal and delivery of the temporary planters on Bannatyne Avenue.

E30.1.2 The Work to be done by the Contractor under this Specification shall include the furnishing of all superintendence, overhead, labor, materials, equipment, tools, supplies, and all things necessary for and incidental to the satisfactory performance and completion of all Works as hereinafter specified.

CONSTRUCTION METHODS

E30.2 Relocation of Temporary Planters

E30.2.1 The Contractor shall remove the temporary planters from site while maintaining and protecting the contents of the planters.

DELIVERY

E30.3 Temporary Planters

E30.3.1 The contractor shall deliver the temporary planters to 90 Thomas Avenue. Contact Jessica Mutimer, p: 204-391-4319.

MEASUREMENT AND PAYMENT

E30.3.2 Relocation of Temporary Planters shall be measured on a unit basis and will be paid for at the contract Unit Price for the number of "Relocation of Temporary Planters" delivered in accordance with this specification and accepted and measured by the Contract Administrator.

DRAWINGS

Replace: 59-2018 _Drawing_P-3496-00-R0 with 59-2018 _Addendum_1 Drawing P-3496-00-R1
59-2018 _Drawing_P-3496-01-R0 with 59-2018 _Addendum_1 Drawing P-3496-01-R1
59-2018 _Drawing_P-3496-02-R0 with 59-2018 _Addendum_1 Drawing P-3496-02-R1
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