



629-2017 ADDENDUM 3

DALHOUSIE SKATEPARK LIGHT INSTALLATION

URGENT

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

ISSUED: February 21, 2018
BY: Nadia Selby
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**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 8 of Form A: Bid may render your Bid non-responsive.

PART A – BID SUBMISSION

Replace: 629-2017 Bid Submission with 629-2017 Addendum 3 - Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

Form B(R1): Revise and Add Item No. 5 – Path Restoration (includes granular & asphalt paths and concrete sidewalk; including removal and disposal of existing path and base material)

Revise Item No. 6 - MRST.

Remove Item No. 9 – Supply and Install topsoil and sod

Page numbering on some forms may be changed as a result.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: Submission Deadline is 4:00 p.m. Winnipeg time, **Monday, February 26, 2018.**

Add: B10.1.1 Notwithstanding C12.2.3(c), prices on Form B: Prices shall not include the Manitoba Retail Sales Tax (MRST, also known as PST), which shall be extra where applicable.

PART D – SUPPLEMENTAL CONDITIONS

Replace: Form H1 and Form H2 with the attached Form(s). The following is a summary of changes incorporated in the replacement forms:

Form H1(R1): Bid Opportunity No. revised from 269-2017 to **629-2017**

Form H2(R1): Bid Opportunity No. revised from 269-2017 to **629-2017**

PART E – SPECIFICATIONS

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

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
D.42-F.01	Existing Conditions – Dalhousie Skatepark Light Installation
D.42-F.03	Notes – Dalhousie Skatepark Light Installation

D.42-F.02-R2	Proposed Design – Dalhousie Skatepark Light Installation
SCD-646	Parkway Path Crushed Limestone
SCD-648	Parkway Path Asphalt
SD-228A	Concrete Sidewalk

Add: E9.6.14 Trenching

- (a) Depth of trenching to be minimum 450mm as per code. Provide minimum 6" sand above and below conduit. Provide weatherproof plankings above sand. Maintain accurate locations of trenching for inclusion on as-built drawings.
- (b) Contractor to coordinate trenching with Contract Administrator. Contractor to provide soil compaction to 95% Standard Proctor Density. Re-sod as required to return area to original condition.
- (c) The Contractor shall inform the Contract Administrator to verify locations and witness processes. The Contractor to also inform the Contract Administrator at least five days in advance of the trenching to allow the Contract Administrator to witness the process.

Add: E9.6.15 Concrete Piles

- (a) Excavation for piles shall be done by augering to sizes shown. If casing is required to prevent the sides of the augered holes from sloughing in, casing shall be supplied and installed, at no cost to the City. The casing diameter shall not be less than $\frac{3}{4}$ " smaller than the pile excavation
- (b) The pile concrete shall be cast not later than 24 hours after excavation has been completed.
- (c) Pile reinforcement shall be supplied and installed in accordance with the Standard Construction Document.
- (d) The pile excavation shall be kept dry at all times. Pump out water if it accumulates.
- (e) Concrete placing shall be continuous from top of pile and rodding carried constantly to bring air bubbles to the surface and produce a uniform structure.
- (f) The Contractor shall provide a minimum of 36 hours notice to the Contract Administrator and the City of Winnipeg Public Works Department prior to any concrete placement to allow for inspection of concrete pile depths and diameters, steel reinforcing sizes and locations and to ensure all pile holes are dry. If necessary pump holes dry prior to concrete placement.
- (g) The portion of the pile to be exposed above the finish grade shall be formed with Sonotube. The top of the pile shall be finished to a flat smooth surface to the design elevation, with the top edge chamfered.
- (h) The Contractor shall be responsible for making good all areas damaged by his operations in connection with this contract.

Add: E14 EXCAVATION AND GRADING

E14.1 General Description

- E14.1.1 This specification shall amend and supplement CW 3110 and CW 3170. It shall cover the excavation and legal disposal of existing paths, and excavation for new pathway restoration, as per Drawings.
- E14.1.2 All extraneous materials are to be removed from the Site and disposed of in a safe and legal manner.
- (a) The Work to be done by the Contractor under this specification shall include all labour, equipment and material necessary for and incidental to the satisfactory performance and completion of the Work herein specified.
- E14.1.3 Work shall include but not be limited to the following:

- (a) Excavate, add clean fill if necessary, and grade to the limits shown on Drawings to the depths necessary to achieve finish grade for:
 - (i) Restoring granular, asphalt and concrete paths will vary with maximum excavation being 275mm.

E14.1.4 Where existing edges of asphalt and concrete path abut location of restored path, edges are to be saw cut prior to excavation.

E14.2 Construction Methods

E14.2.1 Excavation includes the removal of items (i.e., sand, earth) as indicated on the Drawings and as directed by the Contract Administrator. Work includes the satisfactory disposal of unsuitable Site material such as clays susceptible to frost-heaving, silts, rock, rubble, rubbish and any surplus suitable Site material.

- (a) Stockpile suitable, approved material on Site for reuse (clean topsoil, clean earth fill,) in a secure location. Remove and dispose of unsuitable material.
- (b) Disposal of material shall be understood to mean the hauling of all unsuitable material from the Site and the unloading in a legal manner acceptable to the Contract Administrator. If arrangements are made in advance excavated material may be disposed of on Site at a location designated by the Contract Administrator.
- (c) Contractor must coordinate with the Contract Administrator to ensure all removals have occurred.
- (d) Excavation should be coordinated with the installation of lighting cable so as not to leave an open excavation area subject to ponding water.
- (e) The depth of excavation shall directly relate to the requirements of the path installation proposed in the Bid Submission.
- (f) Excavate to the limits shown and as necessary to achieve finish grades as indicated on the Drawings:
 - (i) New granular, asphalt, and concrete paths for path restoration – max. 275 mm depth, in accordance with Drawings and per SCD-646 “Parkway Path Crushed Limestone” and SCD-648 “Parkway Path Asphalt”; and
 - (ii) New topsoil and sod – in accordance with Drawings and per E10.

E14.2.2 Site grading shall be as per Drawings.

- (a) The Contractor must ensure that the rough grading does not create tripping hazards and no areas of standing water remain.

E14.2.3 Do not disturb adjacent items designated to remain in place.

E14.3 Method of Measurement and Basis of Payment

E14.3.1 Method of Measurement shall be as follows:

- (a) No measurement will be made for Excavation and Grading of the new granular path and seating area as these items are incidental to E15.

E14.3.2 Basis of Payment shall be as follows:

- (a) No payment will be made for the Excavation and Grading for the new granular path and seating area as these items are incidental to E15.

Add: E15 PATH RESTORATION

E15.1 Description

- E15.1.1 This Specification shall be done in accordance with the City of Winnipeg's Standard Construction Specifications CW 3110, CW 3130, CW3410, SD 228-A, and the City of Winnipeg's Standard Construction Drawings SCD-646 and SCD-648. The Work to be done by the Contractor under this Specification shall cover all phases of supply and placement of crushed limestone surfacing necessary to install and restore the existing Granular Path, disturbed by trenching; all phases of supply and placement of sub base, base course, geotextile and asphalt surfacing necessary to install and restore the existing Asphalt Path, disturbed by trenching; and all phases of supply and placement of base material, concrete, all labour, materials, equipment and services necessary for the supply and installation of a restorative Concrete Sidewalk, disturbed by trenching.
- (a) Excavation shall be understood to include all removal of existing insitu material necessary to achieve finished grade to match existing, all in accordance with E14.

E15.2 Materials

- E15.2.1 The materials of the Granular Path shall be as per Drawing SCD-646, "Parkway Path Crushed Limestone."
- (a) Construction Method
- (i) The Work included in the establishment of the Granular Path shall include:
 - (ii) The Contractor shall survey and stake out the proposed Granular Path prior to the start of construction as shown on the construction drawings. Layout shall be checked and confirmed with Contract Administrator prior to construction.
 - (iii) Excavation of Granular Path shall be as per **Error! Reference source not found.**
 - (iv) Subgrade to be compacted.
 - (v) All granular base coarse shall be placed and compacted to the finished thickness as specified on the drawings.
 - (vi) Base Coarse and Capping Coarse shall be compacted to a minimum of ninety five percent (95%) of Standard Proctor Density.
- E15.2.2 The materials of the Asphalt Path shall be as per Drawing SCD-648. "Parkway Path Asphalt", and shall be done in accordance with City of Winnipeg's Standard Construction Specifications CW 3110 – "Sub-Grade, Sub-Base and Base Course Construction"; CW3130 – "Supply & Installation of Geotextile Fabric"; and CW3410 – "Asphaltic Concrete Pavement Works".
- (a) Construction Method
- (i) The work included in the establishment of the Asphalt Path shall include:
 - (ii) New restorative Asphalt Path shall be installed in the same location as existing path.
 - (iii) Excavation of Asphalt Path shall be as per E14.
 - (iv) All granular base course shall be placed and compacted to the finished thickness as specified on the drawings.
 - (v) If any pavement exists at the limits of the designated area of removal, these shall be saw cut for the full depth of the pavement prior to the demolition and removal operations. All costs in connection with saw cutting are incidental and shall be included in the unit price bid for excavation.
 - (vi) All excavated material shall be removed, hauled and disposed of off-site to the satisfaction of the Contract Administrator.
- (b) Sub-base Compaction
- (i) Description

- ◆ Sub grade compaction shall be done in accordance with City of Winnipeg's Standard Construction Specification CW 3110 – "Sub-Grade, Sub-Base and Base Course Construction".
- (ii) Construction Methods
 - ◆ Sub-grade compaction shall be performed as outlined in CW 3110 item 3.3 "Preparation of Sub-Grade and Placement of Sub-Base Material".
 - ◆ Sub-grade shall be free of any fibrous organics, softened and disturbed soil. The prepared sub-grade shall be proof rolled with a heavy sheep's foot roller (min 25 passes) and inspected by the Contract Administrator to detect for any soft spots prior to the placement of overlying granular fills.
- (c) Geotextile Fabric
 - (i) Description
 - ◆ Geotextile Fabric shall be placed in accordance with City of Winnipeg's Standard Construction Specification CW 3130 "Supply and Installation of Geotextile Fabrics".
 - (ii) Materials
 - ◆ The separation/ reinforcement geotextile fabric shall be non-woven and shall conform to the Products Approved as listed in City of Winnipeg Specification for Approved Products for Surface Works.
 - (iii) Construction Methods
 - ◆ Separation/ Reinforcement geotextile fabric shall be installed as outlined in CW 3110 item 3.1 "Separation/Reinforcement Geotextile Fabric".
- (d) Crushed limestone sub-base course material
 - (i) Description
 - ◆ Crushed limestone sub-base material shall be supplied and installed in accordance with City of Winnipeg's Standard Construction Specification CW 3110 "Sub-Grade, Sub-Base and Base Course Construction".
 - (ii) Materials
 - ◆ Sub Base: 50mm (2") down crushed limestone as per Drawing SCD-648.
 - (iii) Construction Methods
 - ◆ Crushed limestone sub-base material shall be supplied and installed as outlined in CW 3110 item 3.4 "Placement of Sub-Base Material with Geotextile Fabric".
 - ◆ All limestone sub-base material shall be placed and compacted as specified to a finished thickness as shown on the drawings.
- (e) Crushed Limestone Base Course Material
 - (i) Description
 - ◆ Crushed limestone base material shall be supplied and installed in accordance with City of Winnipeg's Standard Construction Specification CW 3110 "Sub-Grade, Sub-Base and Base Course Construction".
 - (ii) Materials
 - ◆ Base course material shall be 20mm (3/4") down crushed limestone.
 - (iii) Construction Methods

- ◆ Crushed limestone base material shall be supplied and installed as outlined in CW 3110 item 3.6 "Placement of Base Course Material".
- ◆ All limestone base course material shall be placed and compacted as specified to finished thickness as per specifications and as shown on the drawings.

(f) Asphaltic Pavement

(i) Description

- ◆ Asphaltic Concrete shall be supplied and installed in accordance with City of Winnipeg Standard Construction Specification CW 3410 "Asphaltic Concrete Pavement Works".

(ii) Materials

- ◆ Asphaltic Concrete shall be Type 1A as specified and to a thickness of 75mm (3") as shown on the Drawings.

(iii) Construction Methods

- ◆ Asphaltic Concrete shall be supplied and installed in accordance with the lines, grades and thickness shown on the Drawings and to City of Winnipeg Construction Specification CW 3410. Asphalt shall be placed in one lift.

(iv) Crack Sealing

- ◆ As a warranty requirement, the Contractor shall rout and seal any and all cracks which may appear during the one-year warranty period. Crack sealing shall conform to the requirements of City of Winnipeg Standard Construction CW 3250.
- ◆ No separate payment will be made for this item as it is considered a warranty issue and shall fall under G.C.13-Warranty.

(g) Quality Control for Hard Surfaced Areas

- (i) Further to Section 10, Quality Control, of CW 3110 and CW 3410, the Contract Administrator may obtain a qualified independent testing lab to conduct tests on materials to determine the acceptability of the sub-grade, sub-base, base course and asphaltic concrete as placed by the Contractor in accordance with the requirements of this Specification.
- (ii) The Contractor shall not proceed with each granular fill placement or asphalt installation until test results have been reviewed and approval to proceed is granted by the Contract Administrator.
- (iii) The Contract Administrator will conduct a survey of the operation to verify installation of specified layer thickness.
- (iv) Non-conformity with the specified test requirements or compacted layer thickness will constitute sufficient grounds for rejection of the Work.

E15.2.3 The materials of the Concrete Sidewalk shall be as per Drawing SD228-A "Concrete Sidewalk", and shall be done in accordance with City of Winnipeg's Standard Construction Specifications CW 3235, CW 3310, and 3325, and Drawing SD-229C, and SD-228A.

(a) Materials

- (i) As per the City of Winnipeg Specifications CW 3235, CW 3310, and CW3325.

(b) Construction Methods

- (i) As per the City of Winnipeg Specifications CW 3235, CW 3310, and 3325, and Drawing SD-228A.

E15.3 Method of Measurement and Basis of Payment

E15.3.1 Method of Measurement shall be as follows:

- (a) All Path Restoration shall be measured on a Lump Sum basis for “Path Restoration (includes granular and asphalt paths, and concrete sidewalk; including removal and disposal of existing path and base material)” on Form B(R1): Prices.

E15.3.2 Basis of Payment shall be as follows:

- (b) Path Restoration will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total number of units, as indicated on Form B(R1): Prices. This price shall be full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.

DRAWINGS

Replace: 629-2017_Drawing_D.42-F.02_R1 with **629-2017_Addendum_3-Drawing_D.42-F.02_R2**

Add: **SCD-646 “Parkway Path Crushed Limestone”**

Add: **SCD-648 “Parkway Path Asphalt”**

Add: **SD228-A “Concrete Sidewalk”**