



313-2024B ADDENDUM 5

REDEVELOPMENT OF THE OLD EX ARENA – 80 SINCLAIR STREET

URGENT

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

ISSUED: January 31, 2025
BY: Hillary Cohen
TELEPHONE NO. 204 318-2010 ext. 109

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID/PROPOSAL AND SHALL FORM
A PART OF THE CONTRACT DOCUMENTS**

Template Version: Add 2024-02-01

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

FORM B: PRICES

Replace: 313-2024B Form B: Prices with 313-2024B Addendum 5 - Form B: Prices. The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

- Form B(R1): Replace Item 2.
- Form B(R1): Add Items No. 8 to 10 inclusive.

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

PART E – SPECIFICATIONS

Section 01 21 00 Allowances:

- Revise 1.3.8.1.2 to read:
 - Cash Allowance #2: Firestopping Inspections
 - .1 Amount: \$7,500
 - .2 Description: Cost for inspection and testing by an independent certified testing agency, as may be determined to be required.

- Add 1.3.8.1.8:
 - Cash Allowance #8: Shaw Utility Contribution
 - .1 Amount: \$50,000
 - .2 Description: Cost for utility contribution charges for associated telephone and communication services.

- Add 1.3.8.1.9:
 - Cash Allowance #9: MB Hydro Utility Contribution
 - .1 Amount: \$75,000
 - .2 Description: Cost for utility contribution charges for associated power and any telephone/communication services.

- Add 1.3.8.1.10:
 - Cash Allowance #10: Bell/MTS Utility Contribution
 - .1 Amount: \$50,000
 - .2 Description: Cost for utility contribution charges for associated telephone and communication services.

Section 03 35 11 Concrete Floor Sealing and Polishing:

Delete 2.5.

Section 07 42 43 High Pressure Laminate Phenolic Wall System:

Add 3.4.8 Black EPDM gasket tape is to be installed at the bottom face of all 38x140 wood strapping at the addition soffits (above the HPL siding) as recommended by the HPL manufacturer. At the interior ceilings, any exposed 38x140 wood strapping must be painted black.

Add 3.4.9 At vertical joints (at the ends of the HPL siding panels), any exposed faces of the metal rails/sub-framing must be painted black.

Section 06 40 00 Architectural Woodwork:

Revise 2.2.1.2 to read: Premium Grade: Lobby, Canteen, Washrooms/UTRs, Open Offices, Lunchrooms, Staff Rooms, and MPRs.

Revise 2.8.7.1 to read: Sides:
.1 **Offices/staff areas:** LPDL (melamine) or HPDL on MDF or plywood, **thickness 12mm-19mm.**
.2 **Canteen: plywood** veneer core with HPDL faces, **thickness 12mm-19mm.**

Revise 2.8.7.2 to read: Bottoms:
.1 **Offices/staff areas:** MDF or **plywood** with melamine surfaces, thickness **12mm-19mm.**
.2 **Canteen: Plywood with HPDL surfaces, thickness 12mm-19mm.**

Section 06 61 16 Solid Surface Fabrications:

Revise 2.5.1.1 to read: Moulded countertop of **13mm (1/2")** thick solid surfacing material 610 mm (24") wide, complete with integrally molded bowls of 100% acrylic solid surface material; edge details and backsplash as indicated on Drawings.

Revise 2.5.2.1 to read: Moulded countertop of **13mm (1/2")** thick solid surfacing material 635 mm wide, with **butt-joint mini cove.**

Revise 2.5.3.1 to read: Moulded change bench of **13mm (1/2")** thick solid surfacing material 810mm wide, complete with 152mm face and eased front edge as indicated on Drawings.

Revise 2.7.5 to read: Fabricate backsplashes from solid surfacing **material with butted joint where counter and backsplashes meet. Ensure that a finished solid surface edge abuts the tile backsplash above.**

Revise 3.3.8 to read: Provide backsplashes and endsplashes as indicated on Drawings. Adhere to countertops using a standard colour-coordinated silicone sealant. Adhere applied sidesplashes to countertops using a standard colour-coordinated silicone sealant. Provide **butted-joint backsplashes at walls and adjacent millwork where shown on the drawings.** Fabricate **butted-joint** at intersection of counters with backsplashes to dimensions shown on reviewed Shop Drawings. Adhere to countertops using manufacturer's standard colour-coordinated joint adhesive.

Section 07 42 46 Fibre Reinforced Cementitious Panels:

Revise 2.2.2.1 to read: **HardiePanel HZ5 Vertical Siding** as manufactured by James Hardie Building Products, Inc.

Revise 2.2.3.1.1 to read: Type: Non-Vented Smooth soffit panels. Thickness: 6mm (1/4"). **Width of panel to suit the width of the arena soffit, as indicated on the drawings. Maximize the length of the soffit panels between the column surrounds. Joints between soffit panels, if required, are to be centered or evenly spaced between the column surrounds.**

Section 07 52 00 Modified Bituminous Membrane Roofing:

Delete 1.8.2.

Revise 1.11.1 to read: **Manufacturer's Warranty: The membrane manufacturer will issue a written document in the owner's name, valid for a 10-year period, stating that it will repair any leaks in the roofing membrane to restore the roofing system to a dry and watertight condition, to the extent that manufacturing defects of one or several components caused such water infiltration. The warranty must cover the total cost of repair(s) during the entire warranty period. The warranty must be transferable, at no extra cost, to subsequent building owners. The warranty certificate must reflect these requirements.**

Add 2.4.4: Cap Sheet Membrane (Cold-Weather Application): SBS modified bitumen and composite reinforcement, nominal thickness 3.5mm (138 mils).

- .1 Application: thermofusible
- .2 Top surface: coloured granules
- .3 Top surface colour: Light Grey (Consultant has the option to select from Manufacturer's full range).
- .4 Underside: thermofusible plastic film
- .5 Acceptable material:
 - .1 Sopraply Traffic Cap by Soprema

Revise subsequent 2.4 numbering to suit added paragraph above.

Add 3.8.8: Thermofusible Cap Sheet Membrane on Field, Flashings and Parapets (if applicable)

- .1 Begin with double-selvedge starter roll. If starter roll is not used, side laps covered with granules must be de-granulated by embedding granules in torch-heated bitumen over a 75 mm (3 in) width.
- .2 Unroll the membrane on the base sheet, taking care to align the edge of the first selvedge with the edge of the roof.
- .3 Cut off corners at end laps at areas to be covered by the next roll.
- .4 Each selvedge will overlap the previous one along lines provided for this purpose and will overlap by 150 mm (6 in) at the ends. Space end laps a minimum of 300 mm (12 in).
- .5 Heat-weld cap sheet membrane with a torch on the base sheet to create a bleed out of 3 to 6 mm (1/8 to 1/4 in).
- .6 During installation, be careful not to overheat the membrane or its reinforcements.
- .7 Avoid the formation of wrinkles, swellings or fishmouths.
- .8 Avoid walking over finished surfaces; use rigid protective walkways as needed.

Revise subsequent 3.8 numbering to suit added paragraph above.

Section 07 61 00 Sheet Metal Roofing & Wall Panels:

Revise 2.1.1.10 to read: Panel width: $\pm 26 \frac{1}{2}$ " (878mm). **If required by manufacturer, panel width to be adjusted to suit final colour selection.**

Revise 2.1.1.11 to read: Panel Height: **Panel joints to be minimized as much as possible using maximum panel lengths. Refer to drawings.**

Revise 2.1.1.12 to read: Fastening: Exposed fastening as per manufacturer's instructions. **Colour of exposed fasteners to match siding.**

Revise 2.1.2.1 to read: Sheet steel: to be **minimum 24-gauge**, grade C, G-90, hot dipped galvanized, as per ASTM A446.

Section 25 90 01 EMCS: Site Requirements, Applications and System Sequences of Operation:

- Add 1.4.9: Washbay Area (MUA-1, EF-1)
- .1 Space temperature setpoint shall be maintained by respective electric unit heater.
 - .2 Temperature sensor within the space (with locking weather proof cover) shall be connected to the EMCS to monitor room temperature and acknowledge an alarm at room temperatures below 8C.
 - .3 The MUA and exhaust fan shall be interlocked for simultaneous operation. Humidity sensor, gas detection system and MUA remote control panel to be wired in parallel such that detection at any device will initialize ventilation system. Power and control wiring to associated motorized damper shall be the responsibility of the Controls Subcontractor. MUA remote control panel to be mounted on north wall of Staging Area - Stores 142 (adjacent unit heater thermostat).
 - .4 The area shall be equipped with CO/NO2 gas detection system for operation of the makeup air unit and associated exhaust fan.
 - .1 Upon elevated levels of CO or NO2 (25 PPM and 0.7 PPM respectively – LEVEL 1), or manual operation at the remote control panel, the MUA inlet damper, supply damper (at envelope penetration) and exhaust dampers shall be commanded fully open. Upon proof of open via end switches, the MUA fan shall energize and exhaust fan shall energize; upon proof of airflow at the exhaust fan, the MUA shall be enabled to allow for heating section to modulate to maintain discharge air temperature setpoint.
 - .2 If CO or NO2 levels continue to rise above alarm setpoint (75 PPM and 2 PPM respectively), an audible and visual alarm shall activate and alarm signal acknowledged at the EMCS.
 - .5 MUA-1 and EF-1 equipment shall operate for a minimum run time of 1 hour, after which MUA and exhaust fan may de-energize, providing space humidity and CO/NO2 levels are below the set point.
 - .6 MUA-1 discharge air temperature setpoint shall be adjusted on the associated remote panel control provided with the unit.
 - .7 The following controller points will be connected to the EMCS controller, including but not limited to:
 - .1 Analog inputs:
 - .1 Discharge air temperature
 - .2 Space temperature
 - .3 Gas detection CO/NO2 level
 - .4 Space humidity
 - .2 Digital Input
 - .1 MUA Fan status
 - .2 Exhaust fan status
 - .3 Digital Output:
 - .1 Supply damper
 - .2 Exhaust damper
 - .3 Low temperature alarm

APPENDICES

Add: Appendix_E (Conduit Photo)

Add: Appendix_F (Site Walkthrough Attendee List)

DRAWINGS

Replace: 313-2024B_Drawing_M5_0-R0.pdf with 313-2024B_Drawing_M5_0-R1.pdf

Replace: 313-2024B_Drawing_M5_1-R0.pdf with 313-2024B_Drawing_M5_1-R1.pdf

Replace: 313-2024B_Drawing_S2_2-R0.pdf with 313-2024B_Drawing_S2_2-R1.pdf

APPROVED PRODUCT & MANUFACTURER EQUALS

Section 04 21 00 Clay Unit Masonry:

Product Specified:
Endicott Face Brick
Endicott Thin Brick

Approved Product Equal Granted:
Glen-Gery Blue Ironspot Smooth Modular Face Brick
Glen-Gery Blue Ironspot Smooth Modular Thin Brick

Section 07 21 13 Board and Semi Rigid Insulation:

Product Specified:
Rockwool Cavityrock DD

Approved Product Equal Granted:
Powerwool Cavityboard

Section 07 52 00 Modified Bituminous Membrane Roofing:

Product Specified:
Soprema Soprapap'r
Soprema ALSAN Flashing
Soprema Sopra-Iso Plus
Soprema Sopra-Iso Plus Tapered
Soprema Colvent Base 840
Soprema Sopraply Stick Duo
Soprema Stick Traffic Cap
Soprema Sopraply Traffic Cap
Soprema Duotack
Soprema Colply EF Flashing Cement

Approved Product Equal Granted:
Siplast SA Vapor Barrier
Siplast Paraflex Flashing Resin
Siplast Paratherm CG
Siplast Paratherm CG Tapered
Siplast Paradiene 20 TSSA (Colvent)
Siplast Paradiene 20 SA
Siplast Parafor 30 SA
Siplast Parafor 30 TG
Siplast Parafast Adhesive C Cartidges
Siplast PA 828 Flashing Cement

Section 07 26 00 Vapour Retarders:

Product Specified:
Soprema Sopraseal Stick 1100T

Approved Product Equal Granted:
Henry Blueskin SA

Note: for the above equal request - all accessory products (including primer) must be from the same manufacturer as the membrane. Letters of compatibility must be provided by Soprema to confirm compatibility with any adjacent products not from the same manufacturer, and vice-versa.

Section 07 61 00 Sheet Metal Roofing & Wall Panels:

Product Specified:
Agway AR-38

Approved Product Equal Granted:
Temple Metal Roofs TSS150

Section 08 71 01 Door Hardware - Schedule:

Product Specified:
Diatec HA9-SP
Diatec HA9-SP
Wikk B-6SQ-RT-DB-SM-INGR

Approved Product Equal Granted:
Tormax 1201
Besam SW200i
Camden CM48 Series Mounting Posts

QUESTIONS AND ANSWERS

Q1: Please confirm thickness of existing concrete slab called up for removal in the arena.

A1: Existing drawings indicate that the existing concrete slab in the arena is approximately 5" thick. The thickness of the existing slab will need to be site confirmed by the Contractor. The base prep of the new slab is to be done in a manner where the top of slab elevations between new and existing match. Refer to the responses provided in Addendum 3 regarding base preparation below the new concrete slab in the arena.

Q2: Please confirm that all hazardous materials removal, hoarding, and testing is by cash allowance?

A2: Hazardous material removal/abatement is now in contract. The abatement cash allowance has been removed. Refer to the revisions to Form B noted above.

Q3: Regarding millwork scope, please clarify what to quote for the WP-1 wall panels. Should the premium Douglas Fir plywood be quoted as vertical grain, or rotary cut veneer?

A3: Vertical grain and rotary cut veneer are both acceptable. Ensure that the wood grain direction runs vertically as indicated on the interior elevations.

Q4: Regarding millwork scope, can SSC-2 be quoted as 1/2" thick Corian sheets? 1/2" thick is standard for solid surface sheets.

A4: 1/2" thickness is acceptable for both SSC-1 and SSC-2. The front edge of the washroom vanity must be 120mm deep - adjust the plywood substrate/wood framing to suit the revised thickness of the solid surface material. The front edge of the canteen countertop must be 38mm (1-1/2") deep - adjust the plywood substrate/wood framing below to suit the revised thickness of the solid surface material. Refer also to the specification revisions listed above (Solid Surface Fabrications).

Q5: SSC-3 will need to be quoted as 1/2" thick. This color is not available in 3/4" thick sheets. Please confirm 1/2" is acceptable.

A5: 1/2" thickness is acceptable. The front edge of the UTR change bench must be 152mm (6") deep - adjust the plywood substrate/wood framing below to suit the revised thickness of the solid surface material. Refer also to the specification revisions listed above (Solid Surface Fabrications).

Q6: Integral mini-cove splashes are specified for SSC-1 (large format porcelain sheet) countertops. The splashes will need to be quoted as butt joints. Integral mini cove is detail is not possible with this material. Please confirm.

A6: Butt joints are acceptable. Ensure that a finished solid surface edge abuts the tile backsplash above. Refer also to the specification revisions listed above (Solid Surface Fabrications).

Q7: Regarding section 07 61 00, please note that the seam of the 22ga AR38 roof profile can only be bent T-Style (90), please confirm if it is acceptable. The I-style (180) seam specified is only available in 24ga material.

A7: The I-style (180 degree) seam must be used. 24 gauge material is permitted. Refer to the specification revisions noted above (Sheet Metal Roofing & Wall Panels).

Q8: Roof size may exceed the maximum panel length. Are panel end lap seams acceptable?

A8: End lap seams are acceptable if the roof size exceeds the maximum panel length.

Q9: Self-adhesive cap sheet (SOPRAPLY STICK TRAFFIC CAP) is restricted to installation above 0 deg Celsius. Given the size and scope of this job, it is likely the roofing will need to be performed in winter. We propose switching to a torch adhered cap sheet, such as SOPRAPLY TRAFFIC CAP.

A9: A torch-adhered cap sheet is permitted. Refer to the specification revisions above (Modified Bituminous Membrane Roofing).

Q10: Please confirm that the building envelope commissioning agency (BECxA) and the commissioning agency (CxA) are paid for by the Owner?

A10: Confirmed – these will be paid for by the City.

Q11: Section 8/A9.2 indicates PL-2 on the backs of closed cabinets. Please confirm this is correct or will 1/2" white melamine be acceptable. This would reduce cost.

A11: 12mm (1/2") white melamine is acceptable for the interior of closed cabinets in the office areas only. This includes the Stores kitchenette (Room 143), Staff Room kitchenette (Room 126), WASAC office kitchenette (Room 122), WASAC print station (Room 122), WASAC full height cabinets (Room 122), and the By-Law full height cabinets (Room 127). Melamine is not acceptable in Canteen 103. Refer to the specification revisions noted above (Architectural Woodwork).

Q12: The sections show drawer boxes with plastic laminate on 1/2" plywood. The spec also calls for drawer bottoms to be 3/4" thick. Will 1/2" white melamine be acceptable instead? This would reduce cost.

A12: 12mm (1/2") melamine is acceptable for the interior of the drawer boxes in office areas only. Refer to the answer above for specific room numbers. Melamine is not acceptable in Canteen 103. 13mm (1/2") plywood is acceptable for the drawer bottoms. Refer to the specification revisions noted above (Architectural Woodwork).

Q13: Drawing E1.1 shows 3 existing light standards on the south side of the site and note 1 indicates to refeed existing lighting with new 15A/1P circuit with 900W max per circuit. How are the 3 fixtures currently being fed, by the overhead line running to the 3rd light standard, or underground?

A13: The existing lighting is to remain. The exact feed location for these lights could not be determined. Power, if fed underground to these lights, will need to be confirmed on site. The existing light standard on the North side of the parking lot was re-fed overhead from one of the South lights. This North light is to be demolished per note D1.

Q14: Further to above, there are multiple additional light standards to the west of the 3 shown on the drawings. Please clarify if these are connected to the 3 shown on the drawings and are to also be powered.

A14: Per above comment, this could not be determined. If these circuits are unaffected by the renovation work then no work is required, however if these circuits are being affected, we will require a new circuit to refeed these.

Q15: Further to above, regarding the maximum 900W per circuit, please provide specs on the existing light standards for current power usage.

A15: We do not have an existing specification on these lights. 900W is used to ensure we are not overloading the circuitry. The electrical subcontractor is to verify this on site.

Q16: Note 5 on E1.1 calls for a new 2" PVC conduit to the communications pedestal on Sinclair Street. Please confirm the exact location of the communications pedestal. Is this the existing pedestal located on Sinclair Street just north of Dufferin Avenue, or will there be a new/relocated communications pedestal? Please confirm if horizontal drilling for installation of the PVC is acceptable so as to minimize ground repairs.

A16: There is only one MTS pedestal on Sinclair next to our site. it is on the Northeast corner of the Sargent Tommy Prince Place building just north of Dufferin Ave. Horizontal Drilling is acceptable.

Q17: Note 4 on E1.1 - no conduit was visible at the site visit. What is this conduit/wiring for? Electrical drawings say to refer to architectural drawings and architectural drawings say to refer to electrical drawings. More information is required in order to know what is involved.

A17: There is an orange conduit that protrudes from the ground that looks to run out of Sargent Tommy Prince. What this conduit feeds could not be determined - likely site lighting or power feed. We are not cutting or modifying this cable, we simply want this cable lowered into the ground as it's currently exposed. Refer to the photo provided in Appendix E.

Q18: On E3.1 Room 134 Multi-Purpose activity space switches A,B,C,D are shown. What lighting does each switch correspond with?

A18: Refer to electrical note 2 and Switch Bank 'B'. Switches show which corresponding lighting circuit is to be controlled by each switch. Example Suite A denotes all lights on circuit LA17.

Q19: Please confirm if there are requirements as to the routing of electrical conduit/wiring in the ceiling of the existing area (i.e. To be run parallel to the beams other than at the exterior walls).

A19: Conduit and wiring should be run along the wall and then run along the beams to feed electrical in the ceiling. Conduit and wiring is not to cross multiple beams or run below beams at the ceiling.

- Q20: Regarding E3.0 Room 141 Multi-Purpose workspace, switches a,b,c,d are shown. What lighting does each switch correspond with?
- A20: Refer to electrical note 1 and Switch Bank 'A'. Switches show which corresponding lighting circuit is to be controlled by each switch. Example Suite A denotes all lights on circuit LA9.
- Q21: On E1.0 Symbol schedule disconnects are represented as fusible. Are all disconnecting to be fused? If not, what loads require fused disconnects.
- A21: All disconnects to be fusible per symbol schedule.
- Q22: On sheet S2.2 there is a Detailed View tagged for S6.3 but there is no S6.3. Please clarify.
- A22: The callout should reference detail A on S6.2, not S6.3. Refer to revised structural drawing S2.2 above.
- Q23: Utility contribution fees - Notes on E1.0 indicate that the EC is to carry MB Hydro and communication contribution fees. We have absolutely no way of knowing what they will be and request that they be removed from our scope of work and are to be paid directly by the customer.
- A23: Utility contribution fees are now included as cash allowances. Refer to the specification revisions above (Allowances) and the revised Form B above.
- Q24: Regarding section 07 42 46, the fiber cement panels at column covers and soffits have different thicknesses (6mm & 8mm) please confirm if 8mm fiber cement panels throughout the project is acceptable.
- A24: HardieSoffit panels must be used at the arena soffit locations, and this is only supplied in a 6mm (1/4") thickness. Adjust the length of the panels to accommodate the width of the soffit. Refer to the specification revisions noted above (Fibre Reinforced Cementitious Panels).
- Q25: Please confirm whether the use of hat-channels in lieu of wood strapping shown on the details is acceptable for unity of the assemblies. The wood furring in question includes the following locations: Details 1/A6.1 (Column), 2/A6.4 (Soffit), 1/A6.6 (Soffit), page A7.2 (Column), 5/A7.3 (Column).
- A25: Pressure-treated wood strapping must be used at the addition soffit and ceiling conditions (to fasten HPL siding), as shown on the drawings. Metal hat channels are permitted at the arena exterior column surrounds (to fasten fibre cement panels). The gauge, spacing, and installation method of the metal hat channels must follow the manufacturer's installation guidelines for the fibre cement panels. At the column surrounds, the pressure-treated wood framing/plywood will need to be adjusted to suit any differences in thickness between the wood strapping shown on the drawings and the metal hat channels.
- Q26: Please confirm if there is a need for thermal clips at interior wall type "A9" or would a galvanized subgirt work in lieu of.
- A26: Thermal clips are not required for interior wall type A9. Galvanized subgirts are permitted.
- Q27: Please confirm that the independent inspection agency in section 07 84 00 is paid for by the Owner?
- A27: The independent inspection agency described in section 07 84 00 Firestopping is now included in Cash Allowance #2. Refer to the specification revisions noted above (Allowances) and the revised Form B above.
- Q28: Please confirm the aluminum door finishes— see 08 11 16 - 2.1 & 2.5 – clear vs black finish.
- A28: The aluminum doors are intended to have a different finish than the aluminum frames. The frames will have a black anodized finish. The doors will have a clear anodized finish. This is due to the City's accessibility requirements for those who are visually impaired, so that they can locate the doors easier.
- Q29: With regards to the sprinkler system pricing, do we know if the Zamboni garage ceiling will be totally filled with insulation to within 6" of the top cord of the trusses? Or will we need to provide sprinkler protection in the attic space?

A29: The Contractor shall provide a dry-type fire protection system to serve Washbay 154 and associated attic area as follows:

- a. Air compressor, dry system valves and all associated auxiliaries shall be located in Mech Room 152.
- b. Coordinate fully and provide dedicated electrical receptacle, circuit breaker fed from nearest suitable electrical panel, wiring, and dry-system valve interconnection with the fire alarm system.

Q30: Is self-adhered AVB to be Blueskin VP160 or Blueskin SA?

A30: Blueskin VP160 is the self-adhered air barrier specified for the project. Blueskin SA is the self-adhered Vapour Barrier (A.V.B) specified for the project.

Q31: In Section 07 52 00 – Modified Bituminous Membrane Roofing, item 1.8 calls for a Class A ULC-S107 fire rating. The cap sheet named is not Class A. Additionally, self-adhered caps don't come in Class A. Is Class A required? If so, are you open to either a trowel adhered or torch applied cap membrane?

A31: Class A fire rating is not required. Refer to the specification revisions noted above (Modified Bituminous Membrane Roofing).

Q32: In Section 07 52 00 – Modified Bituminous Membrane Roofing, the length of warranty says ten (15) years. Do you want 10 or 15 year coverage?

A32: A ten-year warranty is required. Refer to the specification revisions noted above (Modified Bituminous Membrane Roofing).

Q33: In 03 35 11, 2.5.1 calls for tactile indicator studs but we cannot find on the drawings where these are required (we do see the tactile tiles). Can you confirm the studs are not required for this project?

A33: Tactile studs are not required for the project. Refer to the specification revisions noted above (Concrete Floor Sealing and Polishing).

Q34: The legend on L1.1 refers to SD-228A for concrete sidewalks but civil drawing C2.1 shows a monolithic curb & sidewalk detail which differs from SD-228A. The construction method for SD-228A would have the concrete slab poured separately from the pinned curb; the asphalt sub would perform the pinned curb as this is usually included in their scope of work and then the sidewalk could be done afterwards, possibly by another contractor. With a monolithic curb, the sidewalk and the curbs have to be done in one pour. Which detail should we be following for accurate pricing?

A34: The detail on civil drawing C2.1 should be followed. A monolithic curb must be provided.

Q35: What control software is the City using, and will any programming be required for the mercury boards(s)?

A35: The City will do the programming, not the Contractor. The field tech only needs to program the Networking information supplied by the City and add the username and passwords supplied by the City. The City will program and verify communications and verify testing with the Contractor. The City does not give Contractors access to their databases and programming due to privacy and security reasons.

Q36: Can we please get a specification for the check meters shown on Electrical E7.0

A36: There is no specific model required so long as the meter can record KWh and KVA demand to meet LEED requirements.

Q37: A6.0 detail #3 shows Hardie soffit to be greater than 24" wide. Hardie Non-Vented soffit only comes in 24" Wide x 8' Length. Advise if we can use 4x10 Hardie Panels in lieu of these seeing as they are same thickness/non-vented. Hardie architectural panels (Fine Sand) is an American product and not available in Canada. Could you please provide an alternative to this product.

A37: HardieSoffit panels must be used at the arena soffits. Adjust the length of the panels as required to accommodate the width of the soffit. HardiePanel HZ5 Vertical Siding (Smooth) is an acceptable alternative to

Hardie Architectural Panels (Fine Sand). Refer to the specification revisions noted above (Fibre Reinforced Cementitious Panels).

Q38: Can we request a copy of the list of attendees during the site visit?

A38: This has been provided - refer to Appendix F above.

Q39: There is an area in this redevelopment that is going to be storage of recreational equipment between Grid line 2-10 in the old arena. Drawings indicate racking in this area and section shows them to be 8' in height. We need to find out what and how this is being stored and how high the storage is going to be? if any plastics being stored? We need to know this information so we can determine the type of sprinkler protection is required in this area?

A39: Fire protection coverage within storage areas contained of Stores 140, 141, 142, 153, shall be considered as Ordinary Hazard Group 2 to the purpose of coordination and Bid preparation only. Final determination of hazard, quantity and combustibility of contents shall be confirmed between the Fire Protection Subcontractor and the City of Winnipeg Representative prior to construction.

Q40: The office area canopies on the fire protection drawings M4.1 indicate non freeze sprinklers to underside of canopy. We are unclear if these areas require dry sidewalls or a separate dry sprinkler system for these areas

A40: Response is as follows:

- .1 References on Drawing M4.1 are intended to outline areas where overhangs/soffit areas exist, and the fire protection Subcontractor shall review all Architectural and Structural drawings for materials used in overhang and soffit areas.
- .2 Construction of overhangs along south exposure (at Vest 132 and Office 129) can be viewed at A6.7. Soffit siding/framing materials are considered combustible materials. If sprinkler coverage is deemed necessary per NFPA 13, non-freeze dry pendant heads at the u/s of soffits are recommended, served from the wet-system within the ceiling space of the adjacent areas. Dry-type sidewall sprinkler heads are not possible in these areas.
- .3 Construction of unheated soffit areas along north exposure (along grid 18 and grid B) and east exposure (along grid D) can be viewed at A6.6 and A6.4 respectively. Soffit structure is non-combustible and space is unheated, however soffit siding/framing materials are considered combustible materials. If sprinkler coverage is deemed necessary per NFPA 13, a dry system will be required with pendant heads at the u/s of the unheated soffits. Dry-type sidewall sprinkler heads are not possible in these areas.
- .4 The fire protection Subcontractor shall provide all necessary compressor(s), valves, and auxiliaries as required to serve these canopy areas. Equipment shall be located in Mech Room 119.
 - a. Coordinate fully and provide dedicated electrical receptacle(s), circuit breaker fed from nearest suitable electrical panel, wiring, and dry-system valve interconnections with the fire alarm system.