



Addendum No. 02

TECHNICAL ADDENDUM

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

1 DRAWINGS

1. Refer to attached aerial photograph.
 - a. Mr. Gene Davis, a local landowner has advised that his nearby lot can be available for rent for use as a staging area / laydown area as required.
 - b. Contact Gene Davis 306.421.7825 for rental rate and terms. (Refer to attached aerial photograph).
2. Refer to drawing G1.1
 - a. Add the following notes to Phase 1 diagram on the sheet:
 - i. Recommend constructing and connecting power to the new Electrical Room (223) early in Phase 1 in order to provide power for lift station, temporary lighting, etc.
3. Refer to Drawings A5.0 – A5.4 -PIL booths
 - a. Note that all assemblies, finishes, and fixtures are by PIL booth manufacturer. Security hardware (i.e. electric strikes, card readers and cameras), rooftop mechanical unit, and life safety devices are by General Contractor.
4. Refer to Drawing A6.0
 - a. Replace Door Schedule with attached revised door schedule. Revisions are highlighted in yellow.
 - b. Replace Room Finish Schedule with attached revised schedule. Revisions are highlighted in yellow.
5. Refer to Drawing M-4.2. M-3.1, M-3.2:
 - a. Relocate A/C-1 to exterior of Room 223 to Room 224 as noted on RM-1, RM-2. Maintain unit tight to underside of ceiling. Support from structural members above.
 - b. Extend drain to floor drain below.
 - c. Extend 12mm DCW and 32mm drain to 75mm FD below.
 - d. Revise ductwork location and sizes as shown for side wall supply and return, and air transfer, provide fire dampers as indicated.
 - e. Coordinate final duct positioning on site with electrical trade to accommodate electrical equipment and wire tray.
6. Refer to Drawing M3.1:
 - a. Change floor drain FD-1 to FD-2, 75mm, for relocated A/C-1.
7. Refer to Drawing M-3.3:



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- a. Air conditioning unit AC-2 shall be ceiling mounted tight to underside of ceiling; this unit shall not be recessed unit. Unit shall be split DX cooling, horizontal discharge with air direction louvre. Unit shall be coloured white, for interior finished product.
8. Refer to Drawing M4.2
 - a. Add grilles to air transfer ducts Rooms 221, 220, 219. Reference RM-3
9. Refer to Drawing M-4.3
 - a. A/C unit noted in Room 113, corrected tag; shall be A/C-4. Refer to RM-4 for location.
10. Refer to Drawing ME-1.1:
 - a. A/C – 4 / CU-5 shall be 12,000 BTUH.
11. Refer to Drawing ME-1.1:
 - a. A/C-2, A/C-3, A/C-4, CU-3, CU-4, CU-5 units shall be 208 Volt 1 Phase.
 - b. CU-3 shall be 24,000 BTUH to match A/C-2.
12. Refer to Drawing EDL2.2:
 - a. Room 102 (Refer to Detail RE2.1):
 - i. Delete (demolish) one (1) 2x4 luminaire.
13. Refer to Drawing EDP2.2:
 - a. Room 102(Refer to Detail RE2.2):
 - i. Disconnect (demolish) AC-2 (Evaporator) and remove wiring to source;
 - ii. Disconnect (demolish) AC-2 (Compressor) and remove wiring to source;
 - iii. Disconnect (demolish) UH-1 and remove wiring to source;
 - iv. Disconnect and remove noted receptacles, baseboard heater etc. complete with wiring to source.
14. Refer to Drawing E1.2:
 - a. Clarification Note 6: Lift Station control panel is a single point connection. Load and control wiring will be by others.
 - b. IPLC receptacles shall be Model IPLC M210-15.
15. Refer to Drawing EP2.2:
 - a. Room 102 and Adjacent Exterior (Refer to Detail RE2.3):
 - i. Relocate fire alarm pull station to new door;
 - ii. Relocate Klaxon push button;
 - iii. Relocate smoke detector;
 - iv. Relocate fire alarm strobe light.
16. Refer to Drawing EP2.4
 - a. Portable temporary lighting as per Note 5 shall be provided by the General Contractor as required and coordinated with CBSA. Refer to revised specification section 01 51 00 below for further clarification.
17. Refer to Drawing ES2.1:
 - a. Room 224:



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- i. Add interior keypad at Door C224A;
 - ii. Add W.P card reader outside Door C224A;
 - iii. Wire and connect electric strike at Door C224A;
 - iv. Delete keypad at Door C229A.
 - b. Room 227:
 - i. Add additional card reader at Door C227B.
 - c. Room 228:
 - i. Add additional card reader at Door C228B.
 - d. Room 229:
 - i. Add keypad at Door 229C.
- 18. Refer to Drawing ES2.2:
 - a. Room 113:
 - i. Add card reader at Door T116B;
 - ii. Wire and connect electric strike at Door T116B.
 - b. Room 102 and Adjacent Exterior (Refer to Detail RE2.4):
 - i. Relocate W.P. card reader at new door;
 - ii. Relocate wiring and connection of electric strike at new door;
 - iii. Add keypad at new door;
 - iv. Relocate exterior duress siren/horn/strobe as per Note 8.
- 19. Refer to Drawing ET2.1:
 - a. Conduit (tagged with Note 3) extension beyond LAN cabinet to Room 207 complete with arrow head shall be connected to one (1) of the six (6) conduits within the concrete encased duct bank as per Detail 1/E6.2 with code compliant pull box for conversion of 78mm conduit to 53mmC.
- 20. Refer to Drawing EC1.1:
 - a. Note 2 shall apply to all cameras regardless of cable length;
 - b. Camera CE-33:
 - i. Wire and connect to new 15A/1P circuit breaker in PNL V3, circuit V3-8.
 - c. Camera CE-17:
 - i. Wire and connect to new 15A/1P circuit breaker in PNL V3, circuit V3-10.
- 21. Refer to Drawing EC2.1:
 - a. Cameras CE – 29 and 31:
 - i. Wire and connect to spare 15A/1P circuit breaker in PNL V2, Circuit V2-1.
 - b. Cameras CE -23 and 36:
 - i. Wire and connect to spare 15A/1P circuit breaker in PNL V2, Circuit V2-3.
 - c. Cameras CE-25, 26 and 27:
 - i. Wire and connect to spare 15A/1P circuit breaker in PNL V2, Circuit V2-5.
 - d. Cameras CE-28, 30 and 34:
 - i. Wire and connect to spare 15A/1P circuit breaker in PNL V2, Circuit V2-7.
 - e. Room 227:
 - i. Camera shall be tagged CB-04 in lieu of CB-03.
 - f. Clarification Note 7: UPS shall be APC by Schneider Model UPS PRO 700-420 Watts.



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22. Refer to Drawings EC2.2:
 - a. Note 7 shall apply to all cameras, regardless of cable length;
 - b. Camera CE-16:
 - i. Wire and connect to new 15A/1P circuit breaker in Panel V3, circuit V3-12.
23. Refer to Drawing EC2.3:
 - a. All 120V wiring shall be provided by the Electrical Contractor.
24. Refer to Drawing EC2.4:
 - a. All 120V wiring shall be provided by the Electrical Contractor.
25. Refer to Drawing EPV1.1:
 - a. The photovoltaic system shall be supplied and installed by the General Contractor and wired by the Electrical Contractor.
26. Refer to Drawing E4.1:
 - a. Feeder Schedule:
 - i. Feeder Type 6 shall be 'RA90' on 'Teck' in lieu of 'RWU90'.
 - b. Note 2 clarification: Reroute/extend circuits from the existing panel location, although consideration will be given to reroute/extend/replace circuit from the load location to the new life safety panel in the event same is more convenient/less costly.
 - c. Refeeding existing panel boards/splitters from new CDP-A or CDP-B shall be accomplished by providing new feeders as noted. However consideration will be given (only if the feeder length from the new CDP's to the demolished CDP/panelboard is less than the entire feeder length from the new CDP's to the refeed panelboard/splitter) to provide the new feeder to a junction box at the demolished CDP's/panelboard's locations and thereby extending the existing feeder utilizing code compliant splice technique in the event of non-compatible (CU/AL) conditions.
 - d. Panels F and D fed from CDP-B:
 - i. Delete Note 2.
 - e. CDP-100:
 - i. Provide 30A/3P circuit breaker for Lift Station.
27. Refer to Drawing E5.1:
 - a. Luminaire Schedule:
 - i. RD Sales 'Request for Equals' package (less Types 7 and 8) shall be considered equal, subject to compliance with all applicable specifications.
 - ii. ISTED 'Request for Equals' package shall be considered equal, subject to compliance with all applicable specifications.
28. Refer to Drawing E6.1:
 - a. Detail 8/E6.1:
 - i. Delete reference to '120V Transformer'.
29. Refer to Drawing ME1.1:



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- a. AC-2,3 and 4 shall be 208V, 1 \emptyset in lieu of 120V, with same being fed with 3#12W90 in lieu of 2#12RW40 from CU-3, 4 and 5 respectively without the noted/deleted 15A/1P breaker;
- b. AC-1 breaker shall be 35A/2P in lieu of 40A/2P, cct M-34, 36;
- c. CU-2 breaker shall be 15A/2P in lieu of 45A/2P, cct M-57,59 and feeder shall be 2#12RW90 in lieu of 2#10RW90;
- d. CU-3 breaker shall be 25A/2P in lieu of 40A/2P and feeder shall be 2#12RW90 in lieu of 3#10RW90;
- e. CU-4 breaker shall be 15A/2P in lieu of 20A/2P and feeder shall be 2#12RW90 in lieu of 3#12RW90;
- f. CU-5 feeder shall be 2#12RW90 in lieu of 3#12RW90.

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2 SPECIFICATION

1. Refer to Section 01 11 00
 - a. Revise item 1.5.7 to read: Owner has arranged for and is paying to bring public utilities to the site. General Contractor is responsible to coordinate with public utility companies for ongoing work on and adjacent to site and should ensure that their construction schedule accommodates this work. Refer to section 01 21 00 Allowances. Refer to attached Sask Power Sketch 01, Sask Energy Sketch 01, and Sask Tel Drawing for descriptions of scope of work being done by Public Utilities.
 - b. Revise item 1.6.4.1.5.3.3 Temporary Parking Lot
Provide geotextile fabric and gravel surface over entire site and entrance(s) onto adjacent street(s), graded to ensure proper drainage. Protect existing gas line on the property with jersey barriers. Granular surface will remain at completion of the project.
2. Refer to Section 01 21 00 Allowances
 - a. Add to item 1.2:
 - .9 Cash Allowance No. 2
 1. Include a cash allowance for any additional work to be carried out by public utilities "on site". This cash allowance is for any additional work required to be done by public utilities within the area under construction by the General Contractor.
 2. Amount \$50,000
3. Refer to 01 51 00 Temporary Utilities
 - a. Replace item 1.5.2.2 with:
 - .2 Exterior lighting: Until new permanent site lighting is in place, light levels of 50 Lux shall be maintained in the following areas by using existing lights or temporary lighting as required:



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- PIL lanes,
- PIL booths,
- Roadway from the southern property line though to Highway 39,
- Area around existing Tertiary Garage,
- Area around on the west side of existing Commercial Building, and
- CBSA staff parking areas
 - .1 Ensure illumination is even and consistent throughout the above described operational areas without “dark” spots to ensure Owner’s video surveillance systems function properly.

Refer to ASK 06 for clarification. Use sketch in conjunction with ED1.1 which shows locations of existing lighting, and EP2.4 which shows recommended locations of temporary lighting during construction to meet the specification above.

4. Refer to Section 08 71 01 Door Hardware Schedule
 - b. Replace entire section with attached revised section.
5. Refer to Section 09 97 19 Painting Exterior Metal Surfaces
 - a. Revise item 3.6. as follows:
 - i. Delete 3.6.1.2 Support Frame for Photovoltaic panels.
 - ii. Add 3.6.2.5 Support Frame for Photovoltaic panels.
6. Refer to Section Refer to Section 10 51 13 – Metal Lockers and Benches
 - a. Revise item 2.1 as follows:
 - iii. Delete item 2.1.1.6 Latch and Lock: 3 point Cremorne latch engaging at top, bottom and jamb.
7. Refer to Section 32 31 13 – Chain Link Fences and Gates
 - a. Add item 2.2.18 Privacy Inserts:
 - iv. Install vertical stats made from extruded High Density Polyethylene with colour pigments and UV inhibitors. (colour Grey or Green)
 - v. Inserts shall be installed on new and existing fence running along Second Street. All other fencing and fencing around vehicle compound to remain open.

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3 TENDER INQUIRY

1. Where specific products and models have been listed in the specification, Request for Equals will be reviewed on a case by case basis. All other products should be bid as per the performance requirements and no specific products will be reviewed. It is up to the General Contractor to determine whether a product or assembly meets the performance specification.
2. Regarding requests for roof assembly acceptance; except as indicated in Addendum 1, Tender Query item 12, all assemblies should be bid as specified. No specific product review will be



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done. It is up to the General Contractor to determine whether a product meets the performance specification.

3. Please advise if the link roof shown on drawing A1.7 is structurally sloped or needs to be sloped with tapered insulation.

Tapered Insulation: Link roof structure is not sloped.

4. Please advise if the PIL box roof shown on drawing A1.7 is structurally sloped or needs to be sloped with tapered insulation.

PIL booth roof assembly is by PIL booth manufacturer.

5. As indicated on drawing G1.0 the roofing assembly states that there is an EPDM roofing assembly required for roof type 4. Please provide specification for EPDM roofing or switch the required assembly to an SBS roofing system.

PIL booth roof assembly is by PIL booth manufacturer

6. Section 07 52 00 Modified Bituminous Membrane Roofing does not specify any particular product names to ensure that the bidding process is consistent for all contractors.

Contractors to meet performance specification.

7. The linoleum that is specified has a thickness of 3.2mm, please clarify thickness.

Thickness to be 3.2mm

8. The sheet rubber flooring in the PIL booth is not specified. Is it an open spec? What supplier and what thickness should we use in the quote?

Floor material is by PIL booth manufacturer

9. On drawing A1.5 along gridline 4 between A and B there is notation this wall is EW3. Elevation detail 1/A2.0, shows this as note 503 prefinished metal panel. Can you please clarify this whether it is to be metal cladding or brick?

The wall tag on Drawing A1.5 should be revised to EW1. Refer to ASK 03 – detail 1 issued in Addendum 01. The elevation 1/A2.0 correctly shows brick wrapping around the corner, and the rest of the wall being metal panel.

10. The columns for the canopy are called off as 406 O.D. X 13 wall HSS. I would like to know if 406 O.D. schedule 40 pipe would be acceptable as an alternative. The wall thickness is the same but it's a lot easier to find. The specification for the columns is shown in the column schedule on drawing S1.1. They are a type C5 column.

No. The columns should be bid as designed.

11. RE: Bid validity: obviously time is of the essence on the project as the bulk of work is summer work. Can the owner provide a more defined award date for this tender?

Intent is to award contract soon after the tender close. TBD by CBSA

RE: Civil details: Please clarify the following items:

- o CB2 - barrel size, inverts
- o CB14 - barrel size, inverts



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- o CB15 - barrel size, inverts
- o CB16 – barrel size, inverts
- o Pipe - TD12 to CB13 – inverts, size, type, class
- o Pipe – CB14 to CB5 – class
- o Pipe – CB16 to CB14 – class
- o Pipe – CB16 to CB15 – class
- o Canopy drain CD2

Information is on the drawings.

12. Refer to Section 01 52 00 – CONSTRUCTION FACILITIES, 1.11.14 – PROTECTION AND MAINTENANCE OF TRAFFIC: Is there Saskatchewan Ministry of Highways requirements to follow related to snow removal requirements along the traffic corridor? Such as: Sand, gravel & salt applications, Mobilization time requirements following snow falls, etc.

No. CBSA is responsible for clearing the highway corridor. GC is responsible for clearing their area of work.

13. Refer to Section 01 11 00 – Summary of Work, 1.6.4.2 – Temporary Structure for Vehicle Inspection: Please provide a minimum size requirement for this building, including: length, width & height clearance. Is this temporary structure required to be enclosed?

Temporary Structure for Vehicles is no longer required. Delete section 1.6.4.2

14. Regarding Specification Section 10 51 13 - Under 2.1, #5 and #6. These points request have both a 3 point turn handle latch, and a recessed handle. Penco has one, or the other, but not both at the same time. Can we have clarification as to which option they would prefer?

Refer to Specification item 6 above.

15. Would you please provide a drawing that has all of the final elevations on it to match C1.7 Existing Contours and Survey? We need the corresponding final elevations for our cut and fill calculations.

Please see Drawings C4.1 through C5.4

16. I see mention of an underground tank that requires removal. If there is one, would you please point out its location, size etc.

Please see Drawings C1.2 and C6.0. For information regarding removal items see Appendix B – Site Photos.

17. The pipe bollard detail on S1.3 details a 600x4000mm pile for each bollard. In some cases, some bollards are quite close together (i.e. near the transformer along the exit roadway on A1.2), is this detail required for all exterior bollards?

No. Bollards on the new PIL islands and the temporary PILs will be bolted to the concrete islands using Interior Pipe Bollard detail on sheet S1.3.

- Is this detail required for the temporary PIL lanes?

See Above



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18. Section 12 21 14 Roller Shade Blinds, Part 2.1.1; Graber no longer offers the 2000 Series fabric. Graber can provide an alternate product with the same openness but the colour won't be an exact match. We can provide a PDF of the alternate fabric card if needed. If it's the Series 2000 fabric that is desired, it is still available through other blind manufacturers. Please advise on which option we should price.

We would consider an alternate colour if the 2000 series fabric is no longer available.

19. Glazing Schedule A6.1 - Interior entrance to PIL 1 - Please advise if this frame is Steel or Aluminum.

Aluminum

20. RE: Glazing Schedule A6.1 – W04 & W05. Please advise if these frames are Steel or Aluminum

Steel

21. RE: Section 10 26 10 – Wall and Corner guards: Wall and corner guards are not obviously marked on the drawings or scheduled in this specification. Please provide quantities or locations for the wall and corner guards.

As outside corners have protection board and bollards, corner guards will no longer be required

22. RE: Note 214, Drawing A1.5: This note refers to adjustable shelving. Please clarify if this scope of work is in contract or not. If it's in contract, please provide details accordingly.

Shelving is in contract. Should be a pre-fabricated unit (similar to U-Line product) with 5 - 610mm deep shelves.

23. RE: Section 09 97 19: the schedule in this specification calls for the Photovoltaic panel support frame to be prepped, primed & painted. Structural drawings also call for this frame to be galvanized. Please confirm if both treatments are required.

See Specification item 5, above. Steel frame for photovoltaic panels to be galvanized but not painted.

24. RE: Amendment No 03, issued 2018-03-12 – There's two references to the temporary site lighting requirements in the Addenda. One says 50 Lux and one says 100 Lux. Please clarify which is correct.

Temporary site lighting in operational areas is 50 Lux. Refer to revised specification section 01 51 00 above for further clarification.

25. Section 0922116 / Gypsum Board Assemblies / Part 3.4 / Abuse Resistant Assemblies – Is the abuse board to be applied full height to all walls or is there a maximum height to which it is required?

Abuse Resistant drywall will only be required in rooms 227 and 228, on all four walls, full height.

26. Drawing A5.0 / Detail 1 / PIL Booth Floor Plan – Note on the right side of drawing indicates Melamine on wall. What is the wall assembly?



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Wall assembly is by PIL booth Manufacturer.

27. Drawing A1.5 / EW3 wall / Grid 4 from Grid A > B – Is there a wall section available showing the top and bottom of the wall assembly?

One of the wall tags incorrectly shows EW3 and should be EW1. Refer to ASK 03 / 1 issued previously to see corrected wall tag on that wall. Refer to drawing 1 on A2.0 to see correct extent of brick veneer and corrugated metal cladding on that wall.

28. What is the requirement for submitting for building permits?

See attached document

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