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December 13, 2010

To: **All Bidders**

Re: Joliet Junior College, Illinois Community College District No. 525
Master Facilities Plan Phase 2, **Health Professions Center, Bid Release 21**
1215 Houbolt Road, Joliet, Illinois 60431

02J – Sitework, Grading, Site Paving & Selective Demolition Work
02K – Structural Excavation and Backfilling Work
03C – Structural Concrete, Sealers, & Granular Base Work
04B – Masonry and Stone Work
05E – Structural Steel and Metal Decking Work
05F – Miscellaneous Steel Work
06J – General Trades Work
07E – Roofing Systems and Green Roofs Work
08D – Exterior Aluminum, Skylights, & Glazing Systems Work
08E – Interior Aluminum Systems & Glazing Work
09I – Exterior Metal Framing, Sheathing, & EIFS Systems Work
09J – Gypsum Wall Board, Painting and Wall Covering Work
09K – ACT/Wood Ceilings and Acoustical Wall Systems Work
09L – Casework, Millwork, & Custom Wood Work
09M – Flooring Work
10A – Specialties Work
12B – Lab Casework & Equipment Work
15N – Fire Protection Work
15O – Plumbing & Site Utility Work
15P – HVAC, TC, Mechanical and Lab Piping Work
15Q – Geothermal Work
16K – Electrical and Fire Alarm Systems (Building and Site) Work
17C – Electrical Security, AV, & Telecommunications Work

Subject: **Supplement No. 4**

Please be advised of the following supplemental information which is to be included in the Proposal as it pertains to the above referenced Bid Packages. This Supplement is issued to modify, explain and/or clarify the original Bid Documents.

A. General Instructions to All Bidders:

- i. **The Bid Proposal due date for all Bid Packages REMAINS Thursday, December 16, 2010 at 9:00 a.m.** at Joliet Junior College, 1215 Houbolt Road, Joliet, Illinois 60431. The bids are to be dropped off at Room H1018/H1019 and they will be opened in Room T1002. Please note that H1018 is an interior office space that is located inside Room H1019.

B. Incorporate the attached Architect's Addendum #2 dated December 10, 2010 into the bid documents.

C. Incorporate into the bid documents the revised bid forms for BP-02J Sitework, Grading, Site Paving, & Selective Demolition Work, BP-02K Structural Excavation and Backfilling Work, BP-03C

Structural Concrete, Sealers, & Granular Base Work, BP-04B Masonry and Stone Work, BP-05E Structural Steel and Metal Decking Work, BP-05F Miscellaneous Steel Work, BP-06J General Trades Work, BP-07E Roofing Systems and Green Roofs Work, BP-08D Exterior Aluminum, Skylights, & Glazing Systems Work, BP-08E Interior Aluminum Systems & Glazing Work, BP-09I Exterior Metal Faming, Sheathing, & EIFS Systems Work, BP-09J Gypsum Wall Board, Painting and Wall Covering Work, BP-09K ACT/Wood Ceilings and Acoustical Wall Systems Work, BP-09L Casework, Millwork & Custom Wood Work, BP-09M Flooring Work, BP-10A Specialties Work, BP-12B Lab Casework & Equipment Work, BP-15N Fire Protection Work, BP-15O Plumbing & Site Utility Work, BP-15P HVAC, TC, Mechanical and Lab Piping Work, BP-15Q Geothermal Work, BP-16K Electrical and Fire Alarm Systems (Building and Site) Work, BP-17C Electrical Security, AV, & Telecommunications Work dated December 13, 2010. Please discard previously issued bid forms for all these bid packages.

D. Incorporate into bid documents the responses to the following bidder inquiries into the scope of work:

i. Bid Package 02J – Sitework, Grading, Site Paving & Selective Demolition Work:

1. **Question (RFI#030):** On civil plan 4.1 the scale is noted as 1"=20' I believe that should be 1"=30' because the matchline to sheet 4 is not the same distance. Again thank you for your time in consideration of these concerns

Answer: Graphical scale on sheet C4.01 should be indicated as 1"=30'.

2. **Question (RFI#017):** Per sheet C-6.00 there are two sidewalk details. They both spec that the sidewalk is to be built with 5" of concrete, but the aggregate base is different on both. Is this correct, and if not which aggregate thickness are we to use?

Answer: Refer to Addendum #2 of this Supplement.

3. **Question (RFI#017):** Per sheet C-6.00 the PCC Pavement/Pad Detail shows two separate notes for the thickness of the concrete, one at 6" and one at 8", which of these is correct?

Answer: Refer to Addendum #2 of this Supplement

4. **Question (RFI#017):** Per scope item #11 for bid package 02j we are to provide all work for the bio-swales, I do not see any bio-swales specifically called out on the plans, does this refer to the planters on the west side of the proposed health professions center? If so does this mean that we are to include installation of the 4" perforated under-drain rapped in a filter sock?

Answer: All bio-swale work is BP-02J responsibility (not including piped utilities). Refer to drawings and Supplement #3/Addendum #1 for more information on bio-swales. Bio-swale is not a reference to planters.

5. **Question (RFI#017):** Per scope item #8 for bid package 02j we are to provide restoration of the site including a granular edge at the building perimeter, is there a detail for this that shows where this is to be installed and a detailed section of what this is to include (stone type, fabric, width, thickness, etc)?

Answer: Granular edge is not part of the scope. BP-02J responsible for grading to design grades.

6. **Question (RFI#017):** If installation of all erosion control measures is by bid package 02j, why are all bid packages to include inspections for the NPDES/SWPPP plan? This seems a bit redundant, that means that every week, or major precipitation event there will be a report filed by every different trade package, if this is correct, does this mean for the entire duration of the job or just during the periods in which the trade is working onsite?

Answer: For duration as outlined in bid documents, erosion control will be by BP-02J only. Scope item #11 for BP-02K will be removed in this Supplement.

7. **Question (RFI#017):** Per item 15.13 of the general requirements a truck cleaning station may be required to be set up and used to keep trucks from tracking mud, dirt, gravel, etc off of the job site. Will this be something that each individual trade will have to setup and man for their own trucks/trucking operations, or will this be setup and manned by one trade?

Answer: Each Trade Contractor is responsible for this content as it relates to their work.

8. **Question (RFI#017):** Is there a list of unions that are signatory to the Three Rivers Project Labor Agreement, if so can a list of these unions be published for the bidding trades contractors to see?

Answer: Refer to www.willgrundybtc.com/btclocals.html

9. **Question (RFI#023):** Is the existing parking lot profile the same as the detail in the civil plans?

Answer: Base bid shall be according to design documents based on pavement cores that were taken near west end of existing parking lot.

10. **Question (RFI#021):** If bid package 2J will be responsible for the removal of pavement in the geothermal field, how much area will be sawcut and removed? Is it up to the grading contractor or the geothermal contractor? Also, if the grading contractor removed adequate area for the geothermal contractor to install piping and in the process more area is damaged, who is responsible?

Answer: Base bid BP-02J includes curb to curb removal of existing paved areas.

11. **Question (RFI #040):** According to the Site Utilization plan we are to provide a 12' wide gravel access road. Should that be the first item to be completed when the job begins?

Answer: Yes, in coordination with ongoing campus activities and other construction activities.

12. **Question (RFI# 040):** Is there a specification or detail for this access road construction?

Answer: Reference Supplement #3 BP-02J question #6 for answer.

13. **Question (RFI #040)** Should we price this to install at the start and remove when the prep work for the concrete pavement is planned?

Answer: Access road will be installed during early stage of construction for the necessary duration of construction and removed as required to complete paved surfaces as well as grade restoration.

14. **Question (RFI #040)** Could you also clarify the PCC Pavement/Pad detail. Is the 8" PCC pavement with 4" CA-6 correct or the rectangular box under the detail correct? That detail is located on Sheet C-6.00.

Answer: Refer to Architect's addendum #2 in this Supplement.

15. **Question (RFI#048):** Am I to assume since grading contractor is responsible for constructing the building pad in winter conditions the material will be compacted stone? If that is correct what type of stone will be required?

Answer: The building pad material build up will be consistent with Structural and Geotechnical report requirements. Accordingly, the Trade Contractor is responsible to accommodate those requirements inclusive of type of stone.

16. **Question (RFI#050):** Is moisture testing part of the standard soil test? What exactly are we to supply?

Answer: The trade contractor may need to accommodate sub-surface moisture content testing incidental to their work (above and beyond standard soil compaction testing) as may be deemed necessary by the Trade Contractor. Clarifying further that soil compaction testing of which, moisture content criteria testing is part of, is conducted by the Material Testing Agency employed by Owner.

17. **Question (RFI#055):** What trade package will be responsible for the granular directly under the concrete slab? 02J says on the cost break out that we provide and place the “Granular Sub-Base (Building pad/perimeter)” and 03C scope say that they have the Slabs granular base and vapor barrier.

Answer: 03C is responsible for the specified stone base directly under the concrete slab on grade. The cost breakout item “Granular sub-base (building pad/perimeter)” will be revised in BP-02J

18. **Question (RFI#057):** What trade package will be responsible for the 2” rip rap and the bentonite at the flared end sections.

Answer: BP-02J is responsible.

19. **Question (RFI#066):** Cost Breakdown vs. Quantity Breakdown. Do the total dollars for these need to be the same or is the quantity breakdown only for the specifically listed items.

Answer: Yes, the dollars need to be the same.

20. Also, on the cost breakdown, we have more bid items that are not listed, such as inlet protection, straw bale ditch checks, construction road... where are we to lump items like this in the cost breakdown?

Answer: Include in the Miscellaneous not included above section of the Cost and quantity breakdowns.

21. **Question (RFI#070):** In the site grading package it states that this trade is responsible for the site utility removal. There is a storm pipe running under the future building pad. Could someone tell me what size the pipe is?

Answer: Anticipate 36” Diameter

22. **Question (RFI#070):** Will we be able to remove the 12" pipe that runs along the sidewalk to the pond without causing issues in the parking lot drainage?

Answer: Pipe under building pad will have to go first. A temp tie-in for pipe removed from building pad area to pipe near sidewalk will be placed until that pipe along the sidewalk is removed and replaced with the new pipe at the same location.

23. **Question (RFI#070):** If rock is found to be above the elevations in the borings, will we be compensated for the extra excavation & disposal.

Answer: Answer previously provided via supplement.

24. **Question (RFI#070):** What material would be acceptable to fill the building pad with considering the timing of this work?

Answer: Building pad build up material is as required in the structural specs and geotechnical reports with all needed considerations for anticipated installation time frame

25. **Question (RFI#070):** Are the two light poles that get removed in the site grading & demo package?

Answer: Light pole bases by BP-02J, light fixture disconnection, removal of light lamp, and light pole by BP-16K.

26. **Question (RFI#070):** Do the light pole bases and conduit get removed?

Answer: Yes.

27. **Question (RFI#070):** Does the concrete pavement stop and transition to the new gravel path at the limits set on the civil plan or continue past that point?

Answer: Yes per civil drawing limits.

28. **Question (RFI#070):** Are we to install just the portion of the curb island that is in the disturbed limits of the parking area?

Answer: Install the curb island within the site utilization plan limits.

29. **Question (RFI#082):** In the milestone schedule please reference site work 2011 Ring Road. Is that the concrete proposed access road on the civil plan sheet 4?

Answer: This task is outside this project scope limits area.

30. **Question (RFI#082):** What trade is to do the concrete stairs and ramp on the west side of the building?

Answer: BP-03C

31. **Question (RFI#082):** When do you anticipate sidewalk being installed? Will it be prior to Geothermal site restoration?

Answer: No.

ii. Bid Package 02K – Structural Excavation and Backfill Work:

1. **Question (RFI#081):** Structural excavation and structural concrete both have heating blankets in there scopes, what is the intent of having both packages cover the heating blankets? Typically we can only excavate the lineal footage the package pouring the footings says is OK because they have to supply all heating blankets. Please provide additional clarification.

Answer: The scope will remain as described.

iii. Bid Package 03C – Structural Concrete, Sealers, & Granular Base Work

1. **Question (RFI#080):** Refer to 13/A-412 – where does the colored and stamped paving go?

Answer: Refer to Civil Drawings

2. **Question (RFI#080):** What is the extent of underslab rigid insulation and waterproofing?

Answer: Refer to Structural Drawings.

iv. Bid Package 04B – Masonry and Stone Work

1. **Question (RFI# 029):** In the specifications 04 20 00-2.03B it calls out for galvanized rebar. Is this really required?

Answer: Note referencing Galvanized rebar to be deleted (Refer to Addendum #2 included within this supplement). In general refer to 03 20 00 for rebar requirements.

2. **Question (RFI #029):** In the specifications 04 43 01-3.05B, it says to rake out the mortar joints, then fill with pointing mortar. Is this referring to all joints in the veneer stones or certain locations? If it is all horizontal and head joint of every piece of stone this is very costly. We usually point the joints with the mortar we are using as we go and not a separate application.

Answer: Refer to Architect Addendum # 2 included with this supplement.

3. **Question (RFI#028):** The mason is to include winter conditions, the schedule states we would start in June why is that included?

Answer: This is an allowance and will be drawn upon should it be necessary. BP-04B Scope of Work Item #13 will be removed accordingly.

4. **Question (RFI#028):** Masonry scope item #4 what is meant by special couplers? Please clarify and forward spec.

Answer: The couplers referred to are called out in the structural drawings. For additional information refer to the following website: www.erico.com/products/lentonweld.asp

5. **Question (RFI#071):** Regarding section E "Milestone Schedule Dates" of the bid form:

- a. Please confirm if interior masonry walls marked by an "MW" as identified on S000 are scheduled to run during the "Masonry Shear Walls/Elevator Core" or during "Interior Walls/Frames Work".
- b. Please confirm if masonry stone veneer will run during "Exterior Veneers/Louvers" or "Exterior Walls".

Answer: a. During Masonry Shear Walls.

b. During exterior veneers.

6. **Question (RFI#072):** Please confirm LEED requirements for concrete masonry units. Spec section 04 20 00 Unit Masonry requires both LEED Credit MR4 (Recycled Content) and MR5.1/5.2 (regional requirement) per part 2 – 2.04. Spec Section 04 22 00 Reinforced Unit Masonry Requires only LEED Credit MR5.1/5.2 per part 2 -2.2.

Answer: Comply with the specification requirements.

7. **Question (RFI#073):** Please clarify the horizontal joint reinforcement spacing requirements for single wythe partitions: Per spec section 04 20 00 Unit Masonry, 3.09, horizontal reinforcing is required at 8"oc.. Per spec section 04 22 00 Reinforced Unit Masonry, 3.7A-1, horizontal reinforcing is required at 24" oc.

Answer: a. Refer to Architect Addendum # 2 included with this supplement

8. **Question (RFI#074):** Spec section 04 05 11 identifies "Stain Resistant Pointing Mortar". Where is this material required to be used?

Answer: Refer to Architect Addendum # 2 included with this supplement

9. **Question (RFI#075):** Please confirm the following vertical reinforcing requirement:

- a. S-101A does not identify the elevator shaft walls as an SW or MW. Confirm no vertical reinforcing is required.

- b. S101B does not identify the walls along C/D line at rooms 1020B Equipment Cleaning and 1020A Control Dispatch as an SW or MW. Confirm no vertical reinforcing is required.
- c. Are the MW2 reinforcing requirements to be extended the entire length of wall along CL – G from column line 11 to 31? Or just from 16 to 31 as shown on S101B.

Answer: a. Base bid as MW1

b. Base bid as MW1

c. Base bid as MW1 for the entire length of wall along column G.

10. **Question (RFI#076):** Structural details (ie: 5/S302, 10/S302, 4/S303, 5/S303) do not indicate the steel beams above masonry to be soaped. Please confirm this is correct as shown in the structural drawings.

Answer: Base bid as shown on documents and as required by specs.

11. **Question (RFI#077):** Please clarify caulking, sealants and firesafing scopes of work. All three are identified in both BP-04B Masonry and BP-06J General Trades. Which one of the above packages is responsible for the following?

- a. Firesafing (insulation and caulking) at top of masonry partitions/shear walls?
- b. Compressible filler at top of non-rated masonry partitions?
- c. Caulking of stone caps and sills?
- d. Caulking masonry control and expansion joints?
- e. Building expansion joint assemblies?
- f. Compressible filler and caulk where masonry abuts adjacent material (ie. End of wall to concrete)?

Answer: a. BP-04B

b. BP-04B

c. BP-04B

d. BP-04B

e. BP-06J

f. BP-04B

v. Bid Package 05E – Structural Steel and Metal Decking Work

1. **Question (RFI#047):** Which bid package furnishes and installs the new steel at “Demo Building Elevation” 4/S203?

Answer: BP-05E to furnish and install the new steel.

vi. Bid Package 05F - Miscellaneous Steel Work

1. **Question: (RFI#047):** Which bid package furnishes and/or installs fall arrest anchors 14/S304?

Answer: BP-05F trade contractor furnishes and installs fall arrest anchors.

2. **Question: (RFI#047):** Which bid package furnished and installs the new steel at “Demo Building Elevation” 4/S203?

Answer: BP-05E to furnish and install the new steel.

3. **Question: (RFI#047):** Bid Package 05F, bid form page 8, item 2 states “...provide and install all welded shear wall clip angles...” Bid package 05E bid form Page 8, item 3 states “...provide and install all attachments required for the installation of the floor shear walls...” Please clarify which bid package is to include shear wall clips per 5/S302.

Answer: The shear wall clip angles shall be by BP-05E contractor. Proposal form will be revised accordingly.

4. **Question: (RFI#047):** Bid package 05F, bid form page 8, 13th note from top says to include unistrut, except at certain locations. I can't find any other unistrut on the plans can you please provide location.

Answer: This references any unistrut other than MEP related, wherever it may be shown.

vii. Bid Package 06J – General Trades Work

1. **Question(RFI#039):** Specification section 08 11 13-2.03D – Hollow Metal Doors and Frames calls for Sound Rated Doors (STC52), Specification Section 08 14 16-2.03C Flush Wood Doors calls for Sound Retardant Doors. The door schedule and plans do not indicate the locations of the STC doors on this project. Please advise the openings that are to be provided with STC ratings per the specs.

Answer: Refer to Architect Addendum # 2 included with this supplement.

2. **Question (RFI#034):** The specs call out for an STC 52 for hollow metal and STC 45 for the wood for sound retardant/sound rated doors. The door schedule doesn't call out a sound rating, but it does call out sound seals in the remarks column. Are these openings supposed to be STC rated or just have sound seals?

Answer: Two doors 1006, 1006A to be metal and sound rated. Refer to Architect Addendum #2 included with this supplement.

3. **Question (RFI#044):** Item #62 identifies two lookout platforms at the exterior of the building. What is the duration of time required for trash chutes and platforms?

Answer: Duration for platforms and trash chutes shall be 12 months.

4. **Question (RFI#54):** Item#4 in General Trades scope of work refers to applying primer to all galvanized metal surfaces. What is this referring to?

Answer: Any galvanized material part of this packages scope of work that may require touch-up.

5. **Question (RFI#54):** Item #50 in the General Trades scope indicates we are to install in wall blocking for any items that need it under our bid package. Item #12 of the Drywall Scope of work states that all blocking for toilet accessories, marker/tack boards, toilet partitions, etc. is to be installed as part of that

bid package. Blocking is also listed in item #13 in the casework scope of work. Please clarify as to who is installing the in wall blocking.

Answer: The described blocking requirement pertains to each trade package. Furthermore, this is described in each of the cited items.

6. **Question (RFI#54):** Who is responsible for the wood bump rails and in wall blocking seen on pages L400 and L900 and similar.

Answer: BP-09L is responsible for this work.

7. **Question (RFI#64):** The door schedule does not indicate frame types (AL or HM). There are some openings that indicate aluminum doors but the hardware set designated for them states HM door and frame (Openings 1018, 1018N, 3015, 3016A and 3016B). Are we to assume any opening with a hardware set beginning with "AL" is an aluminum door and frame and the rest are either wood or hollow metal?

Answer: Yes.

8. **Question (RFI#084):** Is the general trades responsible for furnishing and installing the toilet accessories shown on the "L" drawings labeled numbers 1 through 8.

Answer: Yes.

viii. Bid Package 07E – Roofing Systems and Green Roofs Work

1. **Question (RFI#035):** Roof insulation section 07 53 00-4- paragraph 2.04 sub-paragraph A3 is calling for a minimum thickness of 6" across all roofs but drawings show roof areas H & G with an insulation thickness of 5". Please clarify.

Answer: Refer to Architect Addendum # 2 included with this supplement

2. **Question (RFI#035):** Drawings call for cover board and the specifications do not. Is cover board required and if so, what is the type and thickness?

Answer: Refer to Architect Addendum # 2 included with this supplement

3. **Question (RFI#035):** Regarding Specification 07 53 00-6 paragraph 3.03, subparagraph H, are insulation joints to be taped? Please advise.

Answer: Refer to Architect Addendum # 2 included with this supplement

ix. Bid Package 08D – Exterior Aluminum, Skylights, & Glazing Systems Work

1. **Question (RFI#014):** Could you please tell me which bid package the wall louvers are in? Mechanical, General Trades or Exterior Aluminum.

Answer: BP-08D – is responsible for the wall louvers.

x. Bid Package 09M – Flooring Work

1. **Question (RFI#079):** Can you clarify which stairs are to receive Rubber Treads/Risers Finish plans/stair plans are not clear.

Answer: All stairs to be rubber treads.

2. **Question (RFI#079):** The flooring scope calls out for block out or cut floor concrete recesses as required. Please clarify.

Answer: This scope requirement of this bid package pertains to floor to floor expansion joint assemblies as described.

3. **Question (RFI#079):** The flooring scope calls out to include wall preparation: patching grinding etc. also shows mudding and prepping of the backer board. This is the drywall contractor's work and should not be in the flooring scope. Please clarify.

Answer: BP-09M is required to complete this work as indicated in the scope.

4. **Question (RFI#079):** The flooring scope calls out for each trade contractor to provide documentation indicating at least 75% of contracted construction work waste shipped from this project has been recycled. The General Trades contractor is responsible for dumpsters and disposal. How can other trades know where the waste is being shipped to? Please clarify or correct.

Answer: The dumpsters are tracked by the BP-06J Trade Contractor.

5. **Question (RFI#079):** Can all deliveries be made between the 7:00Am and 3:30 PM working hours?

Answer: Yes, in coordination with CM to ensure no interference with other trades and or/campus activities.

6. **Question (RFI#079):** How long are the safety orientation meetings scheduled to last?

Answer: +/- 1 hour.

7. **Question (RFI#079):** Specifically what drug/alcohol tests will be required?

Answer: For requirement reference Volume 1 Safety Plan.

8. **Question (RFI#079):** Moisture testing of concrete slabs cannot be performed until HVAC is up and running or at least not until expected moisture and temperature levels are within what will be expected during occupancy. Is the flooring contractor expected to provide temporary services to accomplish this or can we assume HVAC will be up and running within adequate time to perform our testing?

Answer: Base bid on appropriate conditions are present prior to test performance.

xi. Bid Package 09L – Casework, Millwork, and Custom Wood Work

1. **Question(RFI#046):** BP-09L scope of work item #1 bullet point #9 indicates “All Glass Display Cases complete with specified frames hardware, accessories, etc.” Please provide the following clarifications:

- a. Please confirm that these display cases are found on 15, 16 and 18/L-401

- b. Please direct to specifications for aluminum frames 1/L-900. They are not found in 05 50 00 or any division 06 sections.
- c. Please direct to specifications for pre-manufactured display Case pivoting glass doors 1/L-900. They are not found in any division 06 Sections.
- d. Please specify thickness of tempered glass shelves. Not found in 08 80 00 or any division 6 sections.

Answer:

- a. Yes
 - b. Base bid as detailed in section 1/L900
 - c. Base bid as detailed in Section 1/L900
 - d. Minimum 3/8"
2. **Question (RFI#061):** Addendum #1 replaces spec section 12 32 16 (which includes lab casework). Supplement #3 page 12 instructs that section 12 32 16 be added to BP-09L, Section M as SPECIFIC SPECIFICATION SECTION. Supplement #3, page 13 instructs that section 12 32 16 be added to all bid packages (including BP-12B) as RELATED SPECIFICATION SECTION. Please confirm that it is your intent to remove Lab Casework from BP-12B and put into BP-09L. Is so will Bid Forms be amended.

Answer: All work identified within specification sections 12 32 16 will be the responsibility of the BP-12B Trade Contractor, Bid Forms will be revised accordingly.

3. **Question (RFI#053):** The display cases indicate on the plans to be silver to match storefront frames. The specification 10 11 00 paragraph 2.01-A-2 : "Finish: All aluminum to receive custom color finish all sides. AKZO – Nobel #399C232 Champagne Gold – 70% Kynar 2 Coat.

Answer: Match the custom color in the specifications

xii. Bid Package 10A – Specialties Work:

1. **Question:** Refer to section 10 28 00, paragraph 2.06 – Shower and Tub Accessories: The following items have not been found on the drawings: Folding shower seat, wall mounted soap dish, towel bar, and towel hooks. Please clarify where these items are to be found.

Answer: Refer to Architect's Addendum #1 issued with Supplement #3.

2. **Question (RFI#049):** In supplement #3 it is clear that the General Trades 06J package is to include furnishing and installing all toilet, bath and utility room accessories in the bid. In Specialties BP-10A it indicates to furnish and install the tub and shower accessories. If the bid package scopes are left as is, are we to include all accessories in rooms labeled "Shower" (example: rooms 2122A, 2126A) in package 10A and all other accessories in package 06J or just the items listed in the toilet accessory specification under paragraph 2.06 "Shower and Tub Accessories"? Please clarify.

Answer: BP-06J is responsible for "Toilet Room Accessories" and "Utility Room Accessories" as listed in the specifications as respectively shown on the plans irrespective of the room name designation.

3. **Question (RFI#049):** Regarding pocket doors for operable partitions, on the plans they are referred to as millwork doors, however, there is a mention of pocket enclosures in specification 10 22 26.33-2.02K. Please clarify if the pocket doors are to be provided by the operable panel supplier or furnished and installed by another trade package.

Answer: Custom closure doors at operable partitions are supplied and installed by BP-09L. Specification 10 22 26 will be added as a “specific SpecificationSection”.

4. **Question (RFI#049):** Regarding Manual vs Electric operable partitions, the specification only indicates motor operated panels, however, on the plan detail 6/A5.03 in rooms 2008C/2008D there is a partition that indicates it is manual. Also on the bid form for Specialties10A there is a cost breakout for motorized and manual partition. The “E” drawings indicate that they are all to be motorized, please clarify.

Answer: All partitions are to be electric.

5. **Question (RFI#049):** In the bike rack specification 12 93 13 paragraph 2.02-A-4 it indicates a satin stainless steel finish and in the next line (item 5) it indicates the color to be black. Please clarify.

Answer: Bike racks shall be stainless

6. **Question (RFI#053):** The wall mounted display cases indicate on the plans to be silver to match storefront frames. The specification 10 11 00 paragraph 2.01-A-2 : “Finish: All aluminum to receive custom color finish all sides. AKZO – Nobel #399C232 Champagne Gold – 70% Kynar 2 Coat.

Answer: Match the custom color in the specifications.

7. **Question (RFI#054):** In supplement #3 page 7 under bid package 10A specialties, there is an answer to the two tier locker question that states that it is provided in Addendum #1. Addendum #1 included a casework specification which included a locker section (paragraph 2.10) and they are plastic laminate. Is it the intention to have bid package specialties 10A provide all two tier plastic laminate lockers in detail 12/L400 and the case work butting these lockers and all other plastic laminate casework on the project be provided by the millwork package?

Answer: Specification section 12 32 16, inclusive of all two tier lockers is responsibility of BP-12B.

8. **Question (RFI#054):** Display cases are in both the millwork and the specialties package. Please clarify.

Answer: Glass display cases by 09L and wall mounted display cases are by 10A

9. **Question: (RFI#056):** What bid package is furnishing and/or installing the projection screens?

xiii. Bid Package 12B – Lab Casework and Equipment Work

1. **Question (RFI#038):** Specification 11 53 13 -2.2.2 A2(a) specifies telescoping riser extensions. Please confirm that this feature is required. If so provide details.

Answer: Refer to Architect Addendum #2 included with this Supplement

2. **Question (RFI#038):** Specification 11 53 13-3.2.2A5(b) specifies light fixtures. Please provide manufacturer and model number. Please provide quantity and spacing.

Answer: Provide two continuous rows of 120 volt version of the F7 type fixture. 4' and 3' version of the F7 fixture may be utilized if available. Each row of fixtures shall be controlled by a common switch mounted to the rack.

3. **Question (RFI#038):** 11 53 13-3.2.2 A5(c) specifies electrical outlets. Please specify type (NEMA, model number)

Answer: Receptacles shall be 5-20R. Refer to electrical material list sheet E-702 item #22 for clarification.

4. **Question (RFI#037):** Room 3006 L-407 shows mobile cabinets in dotted lines on plan view 1/L-407 and is in solid lines in elevations 4, 5, 6/L-407. In elevations they are not noted as casework. Please clarify if the mobile cabinets in 3006 are to be included as BP-12B casework or excluded as furniture.

Answer: Mobile cabinets are to be excluded from BP-12B as furniture.

xiv. Bid Package 15N Fire Protection Work

1. **Question (RFI#026):** FP-100 indicates that the 6" fire sprinkler main be routed through the unsprinklered Building "A". The new main extension cannot be routed through an area not protected from fire damage per 2007ed of NFPA 13; Section 8.16.4.3.1. Should the existing unsprinklered class rooms and corridor be retrofit with sprinklers? How are we to proceed?

Answer: Refer to Architect Addendum #2 included with this Supplement

2. **Question (RFI#026):** Is the existing 6" capped main fed by a fire pump? If so, can a copy of the latest annual pump test report be provided?

Answer: The system is fed by a fire pump that is currently being installed in the JJC Campus Center project and a report is not available at this time.

xv. Bid Package 15O – Plumbing & Site Utility Work:

1. **Question (RFI#011):** The water lines leaving the building do not appear on the civil drawings. Please verify.

Answer: Reference Architect's Addendum #1 issued with Supplement #3

2. **Question (RFI#011):** Per section 20 90 88 paragraph 2.5 sub paragraph C4, is ductile iron required only when under or through fittings or is it required if the sanitary, vent or storm line is greater than 4" at all below grade locations?

Answer: We are assuming this is actually in reference to section 22 10 00 part 2.5.C.4. Ductile iron pipe is only required when piping 4" or larger is routed through or below footings and foundations. All other below grade sanitary, vent and storm shall be cast iron pipe as specified.

3. **Question (RFI#014):** Sheet C-4.00: on the north side of the proposed center, west of the steam lines entering the building – the drawing indicates a valve and stub off of the 8" water main. Is this valve to be used for the domestic water service? What size is the sub/valve?

Answer: Reference Architect's Addendum #1 issued with Supplement #3

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4. **Question (RFI#033):** Sheet P-100-B and C-5.00 northwest corner storm sewer IE=573.17 grade IE=571, is this storm line to be discharged above grade? Downspout nozzle? Pipe sleeve required? Need detail.

Answer: The storm line is discharged to grade. 10" roof drain outlet (downspout nozzle) is shown on the plans. A pipe sleeve is not required.

5. **Question (RFI#033):** Is all the floor construction fire rated?

Answer: Refer to architectural sheet A-001 for fire ratings.

6. **Question (RFI#060):** Plan detail page shows two Vortech units, a 6ft diameter and an 8ft diameter. I only saw one (the 6 ft. unit near the 36" FES). Please verify the quantity needed.

Answer: There is only one Vortex unit specified on the Plan set and it is indicated as a 6' structure

7. **Question (RFI#083):** Sheet P-301 and P-401: "PT-1" Hydro-pneumatic tank – Need specifications

Answer: Refer to Specification Section 22 30 00 Paragraph 2.3 for information.

8. **Question (RFI#083):** In the area from lift station to sanitary manhole #2, the following need answer?

- a. Who does the tree removal?
- b. Who does landscape restoration?
- c. Who does tree protection?
- d. Who does restoration?
- e. Will removed trees be required to be replaced?

Answer: a. BP-02J

b. BP-02J

c. BP-02J

d. BP-02J

e. BP-02J

9. **Question (RFI#083):** Which contract does the electrical work/wiring to the lift station?

Answer: BP-16K

10. **Question (RFI#083):** Which bid package is responsible for demolition of the existing storm sewer?

Answer: BP-02J

xvi. Bid Package 15P HVAC, TC, Mechanical and Lab Piping Work

1. **Questions (RFI#024):** Oxygen outlets are shown but no piping is on the drawings – is there oxygen on the project?

Answer: Please refer to the keynotes on each drawing. Compressed air shall be routed to each oxygen outlet.

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2. **Question (RFI#018):** The pump schedule on M501 calls for loose VFD's to be by the electrical contractor but note #13 on page 10 of 35 says we are to furnish to the electrical contractor. Please clarify

Answer: The Contractors shall follow the Gilbane Scope of Work for procurement of equipment and disregard responsibility notes on KJWW's drawings. The contractor may reference KJWW schedules to find information about the equipment

3. **Question (RFI#018):** Drawing M-100D, detail 12, note 4 says that the valve vault is by other but note # on page 9 of 10 says that we are to provide them. Please clarify.

Answer: The Contractors shall follow the Gilbane Scope of Work for procurement of equipment and disregard responsibility notes on KJWW's drawings. The contractor may reference KJWW schedules to find information about the equipment

4. **Question: (RFI#018)** Spec section 23 57 00 is for plate heat exchangers but there is only shell and tube heat exchangers on this project. Please clarify.

Answer: Refer to Architect Addendum #2 included with this Supplement

5. **Question (RFI#018):** There is no specification for the chilled beams. Please provide.

Answer: Refer to specification section 23 87 00 for Chilled Beam Specifications.

6. **Question (RFI#018):** Spec Section 23 22 18 only lists Roth Pump as an acceptable product, but the equipment schedule on drawing M-500 lists B&G. Please clarify.

Answer: Refer to Architect Addendum #2 included with this Supplement

7. **Question (RFI#019):** On the cost breakdown item #2 is for a heat exchanger and item #7 is for steam to water heat exchanger. Only item #7 is on the project, how do we handle item #2?

Answer: The domestic water heat exchanger will be supplied and installed complete by the BP-150 contractor and steam to water heat exchanger will be supplied and installed complete by the BP-15P trade contractor. Scopes will be revised accordingly.

8. **Question (RFI#019):** Cost breakdown list duct insulation but not pipe insulation. Where do we list pipe insulation?

Answer: Cost breakdown list will be revised to include pipe insulation.

9. **Question (RFI#019):** Inc cost breakdown vacuum piping is listed but the other lab systems are not. Do we include these systems with vacuum piping?

Answer: Yes.

10. **Question (RFI#019):** Cost Breakdown, an air dryer is listed – is this supposed to include the air compressor system?

Answer: Cost breakdown will be revised in this Supplement.

11. **Question (RFI#019):** On the quantity breakdown steam vaults are listed. What are you looking for in this price? The cost of the vaults or the work within them?

Answer: For the quantity breakdown section, steam vaults shall be inclusive of the vaults as well as the content within the steam vault.

12. **Question (RFI#042):** Who provides the glycol solution for the underground/exterior portion of the geothermal piping system? If the mechanical contractor is responsible we will need to know the volume of the pipe system prior to bid day in order to include the cost for glycol.

Answer: BP-15P Trade Contractor is responsible to provide the glycol solution for the entire geothermal piping system (interior and exterior), and the volume can be calculated from the plans.

13. **Question (RFI#042):** The drawings do not have any piping details for the terminal units such as VAV boxes, chill beams, unit heaters, fin tube, etc. – please provide so we include only those accessories the engineer wants.

Answer: Refer to the flow diagrams on M-600, M-601, and M-602 for requirements.

14. **Question (RFI#043):** Item #13 in BP-15P bid form states that VFD's are to be furnished by the BP-15P trade contractor. The pump schedule on drawing M-501 indicates that the drives are furnished by the electrical contractor. Please clarify which contractor furnishes the drives for the pumps.

Answer: See response above to Question #2 of this bid package.

15. **Question (RFI#045):** Item #3 in BP-15P states that the steam vaults are to be furnished by the BP-15P trade contractor. Drawing M-100D, detail 6, note 1 states the vault is furnished by the structural contractor. Detail 12, note 4 also indicates that the steam vaults are by others.

Answer: See response above to Question #2 of this bid package.

xvii. Bid Package 15Q – Geothermal Work

1. **Question (RFI#062):** We would like to see the additional data for the geothermal test well for the Joliet Junior College project. Can they be provided?

Answer: Reference Detail 5/M-100D.

2. **Question (RFI#063):** The specs state in Section 23 57 33 part 2-2.1A that "... and a DR7 rating for u-bends and header pipe two inches and smaller and a minimum of DR15.5 for header pipe greater than two inches..." does this mean that the u-bend fitting and the vertical loop piping are to be SD7? Below is a note from my supplier and they are referencing Centennial Pipe.

Answer: Refer to Architect Addendum #2 included with this Supplement

xviii. Bid Package 16K Electrical and Fire Alarm Systems (Building and Site) Work

1. **Question (RFI#032):** Some switchgear related specifications reference drawing schedules or the drawing material list for the specified manufacturer. Specification sections, Dry Type Transformers 26 22 00, Switchboards 26 24 13, Panelboards 26 24 16, and Motor Control 26 24 19, do not reference the schedules or material list, although the drawings appear to indicate Square D. Is Square D the only acceptable manufacturer for these remaining switchgear specification sections?

Answer: Square D, is the only acceptable manufacturer. Refer to the material list on sheet E-710, and equipment schedules on E-700.

2. **Question (RFI#031):** Please clarify how many duct banks, spare conduits, and handholes are required for SS-1 and SE-1.

Answer: Refer to Architect Addendum #2 included with this Supplement

3. **Question (RFI#058):** On the fixture schedule fixture F8 does not have a part number, would you please have the engineer specify what the part number is.

Answer: Light fixture model number is 31575-962.

4. **Question (RFI#058):** The responsibility matrix on drawing T-000 says that we are responsible for the rough in but in the bid form is asking for unit prices on conduit. Please clarify.

Answer: BP-17C is responsible for all raceways as described in their bid package. BP-16K is responsible for all raceways described in their bid package.

xix. General Questions - All Packages

1. **Question (RFI#041):** The insurance specs say that all contractors are to carry professional liability coverage in the amount of \$1 million dollars. Professional Liability coverage is used to cover a contractor that engineers the way a job or building is built or constructed, as we are not providing any design criteria for this project, just following plans and specs, why would we have to carry such insurance coverage? Please clarify the justification for the trades building the project from the plans and specs to require such insurance coverage.

Answer: Project insurance described in Specs volume 1 will remain as described in Schedule A and associated samples, endorsement requirements, etc. No variation.

2. **Question (RFI#041):** What is the total number of additional insured's going to be for this project that the Prime contractors will have to include.

Answer: Refer to endorsements identified in Volume 1.

5. **Question (RFI#041):** Per the scopes of work for the site work and building excavation/backfilling packages there will have to be an as-built drawing completed for the project.
- Will the CAD files be available for our certified engineer to overlay his as-built information on top of?
 - What does the as-built for the building excavation and backfill include?
 - What format will the as-built be required to be in for final submittal (ie. AutoCad,.pdf)
 - On what type of media do the as-built's need to be submitted (ie. Paper copies, cd)

Answer: a-d Reference General Requirements of Contract in project Manual Volume #1.

6. **Question (RFI#051):** What is the retention percentage on payouts?

Answer: This information is available in Volume 1 of the Project Manuals.

7. **Question (RFI#051):** Are there any liquidated damages? If so, how much?

Answer: There are no liquidated damages.

8. **Question (RFI#052):** Does prevailing wage and associated record keeping apply to professional consulting services? ie using a sub for the SWPP reporting or soil testing?

Answer: This requirement pertains to all site labor billable to prime Trade Contractor.

9. **Question (RFI#065):** Are all trades that generated excess spil to haul there own spoil off-site and have it tested or will one trade package be responsible for testing and export of all excess spoil? If one trade is responsible, can a CY number be given to that trade so that they can correctly cover exporting of other trades spoils?

Answer: BP-02J is to provide soil sample test. Haul off spoils by each trade contractor.

10. **Question (RFI#67):** We cannot locate drawing I-101 on the website of drawings. I am not able to tie in the materials for these drawings and believe this will put it all together.

Answer: Refer to Supplement #1 for removal of I-101 from Drawing Log.

E. Incorporate into bid documents following clarification to project manual Volume #1:

- i. None

F. Incorporate into bid documents following clarifications to the bid proposal forms:

i. Bid Package 04B Masonry and Stone Work

1. Remove Section L – Scope of Work Item #13 in its entirety.

ii. Bid Package 05F – Miscellaneous Steel Work

1. Remove Section L – Scope of Work Item #2 in its entirety.

iii. Bid Package 06J – General Trades Work

1. Revise section L – Scope of Work Item #62(b) to read “Each shall serve floors 1, 2, and 3 with a trash chute at each tower on each floor. A retractable safety device shall be mounted at each floor elevation on each tower to tie-off for fall protection while loading in/out materials. Trash chute furnished/installed and removed by this Trade Contractor.”
2. Add to Section L – Scope of Work Item #66 – This Trade Contractor shall provide the demolition of the north wall of T-Building.

iv. Bid Package 09L – Casework, Millwork & Custom Wood Work

1. Revise Section L – Scope of work item #1 to read “...sealants required for a complete installation) except those identified within the L-Series of drawings unless noted in the bulleted items below...”

v. Bid Package 10A Specialties Work

1. Remove from Section H – Unit Prices – “Two Tier Locker”.

vi. Bid Package 12B Lab Casework & Equipment Work

1. Add to Section M – **Specific Specification Sections** – 12 36 16 Manufactured Plastic Laminate Clad Casework.

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2. Revise Section L – Scope of Work Item #1 to read – “Furnish and install all Plastic Laminate Clad Laboratory casework, complete and accessories including but not limited to solid surface countertops, cabinets/storage units, two tier lockers, shelving, supports, storage cabinets, integral sinks, drying racks, shelving assemblies with solid wood edging, sinks, counter tops, service pedestals, closure and filler panels, end panels, service fixtures, backsplashes, hardware, sealants, anchors, security rings, and other accessories; all as identified within the L-Series of drawings.”
 3. Add to Section H – Unit Prices – “Two Tier Lockers”.

vii. Bid Package 15P – HVAC, TC, Mechanical and Lab Piping Work

1. Add to Section K, Subsection -1 – Cost Breakdown –“Pipe Insulation”
2. Revise section K, Subsection - 1 – Cost Breakdown item listed as Air Dryer, revise to read Air Compressor System Equipment.

G. All Bid Packages

1. None

All other terms and conditions of the Bid Documents remain the same.

Acknowledge receipt of this Supplement No. 4 in your Proposal Form.

Sincerely,

GILBANE BUILDING COMPANY

Roz Thomas

Roz Thomas
Purchasing Agent