Addendum #3
Request for Proposal for Electrical Reliability Upgrades – Bid Package #3:
Project 005-219056 (Science Hall), 169-235557 (Bioengineering), 603-243264 (Pharmacy)
Dated August 26, 2014

The Addendum must be acknowledged on your lump sum bid.

NOTE: You must have attended a pre-bid conference in order to be eligible to bid on a particular project. Receipt of minutes or addenda without being at a pre-bid conference does not qualify your company to bid.

Please find the attached Addendum #3 for the above RFP, prepared by the Peter Basso Assoc. Please note that the Addendum and Drawings will be posted to the University website.

IMPORTANT- This is an addendum which MUST be acknowledged on your bid form

We will require two copies each of your lump sum proposals, vendor qualification questionnaire and your bid bond documents.

All questions concerning this project must be emailed to: Robert Kuhn, Procurement & Strategic Sourcing. Email: ac6243@wayne.edu, and copy Paula Reyes, Associate Director, at bb2709@wayne.edu.

Do not contact either FP&M or the Design Firm directly as this may result in disqualification of your proposal.

Thank you for interest shown in working with Wayne State University.

Robert Kuhn
Sr. Buyer

CC: Thomas J. Edwards (Project Manager), Valerie Kreher, Attendee list.
ADDENDUM

Project Name: Wayne State University
Electrical Reliability Upgrade
Bid Pack No. 3

PBA Project Number: 2014.0097
Addendum Number: 3
Date: September 24, 2014

Each Bidder’s proposal shall include the work described herein.

Unless otherwise indicated, the work described herein shall comply with, and be equal in all respects to, the original Specifications and the Drawings accompanying same. Include incidental work required to properly complete the work, whether stated herein or not.

Item No. Description

1. Bidders Questions and Responses are as follows:

   Question 1: BP#3 shows Siemens Diesel Fuel Meters. Will these meters be supplied by Siemens for EC to install and wire?

   Answer: PBA: Siemens is to provide the equipment. E.C. to install and wire. Refer to Siemens reference drawings.

   Question 2: We need some clarification on the property insurance requirement. The contract states in 11.2 A. 5 “amount sufficient to cover total value of the contractor’s property in the care custody or control of WSU” and then item 11.3.1 indicates full insurable value thereof. Does this mean full contract amount?

   Basically the question is “what limit” is acceptable for job site, in transit, and temporary location?

   Answer: PBA: WSU to clarify.
   WSU: Yes, they need to provide insurance limit equal to contract amount.

   Question 3: Not Used.

   Question 4: Not Used.
Question 5: Both buildings – Are Diesel Generator set Neutral Grounding (Earthling) Equipment required on each of the 480 volt generators?

Answer: PBA: Pharmacy is not a 480 volt generator. Science Hall is a 480V generator. Science Hall generator is 4P and requires grounding. Refer to grounding detail on sheet E7.1. Pharmacy has a 13.2KV generator is 3P and does not require a neutral. Neutral will be derived at substation transformer. Medium voltage tape shield to be connected to equipment ground.

Question 6: Science Hall and Pharmacy – will Day Tank be required for the Gen Sets? Both generators have belly tanks.

Answer: PBA: No, day tanks are not required. Both the generators at Science Hall and Pharmacy in BP#3 will have belly tanks.

Question 7: Request of information and/or clarification for the following:
Reference Sheet E5.1, Pharmacy
Please provide 15 kv Wire and Raceways Sizes for the following:
Generator Set to Generator Distribution (Gen-DP)
Gen-DP to ATS-1 and ATS-2

Answer: PBA: Generator to Gen-DP: 3#2/0, 15KV in 4”C
Gen-DP to ATS-1: 3#2/0, 15KV in 4”C
Gen-DP to ATS-2: 3#2/0, 15KV in 4”C

Question 8: Pharmacy – Please provide a Detail for the Primary Cable Tap at the Existing Primary Switchgear; will this Tap be Subject to Third Party Testing I.E. UL or ETL?

Answer: PBA: Tap bussing in the CT cabinet, on the secondary of DTE CT’s, of the existing primary switchgear. This tap will need to be U.L. recertified.

Question 9: 005 Science Hall – How many amps are feeders from ATS – 1 to MDP -1 and from Utility XFMR’S to ATS-1 to be rated?

Answer: PBA: Both feeders are to be rated at 800A.

Question 10: 603 College of Pharmacy – Is Diesel Generator set Neutral Grounding (Earthling) Equipment required on 13,200 volt generator? Is so, please provide necessary information.

Answer: PBA: Generator is 3P and does not require a neutral. Neutral will be derived at substation transformer. Medium voltage tape shield to be connected to equipment ground.

Question 11: RE: BP#3 Pharmacy - On sheet 4.0 & E5.1, what size and type cable is needed for GEN-1 to GEN-DP?

Answer: PBA: Refer to question 7.

Question 12: RE: BP#3 Pharmacy - On sheet E4.1 note #14 states that New BMS Control Panel, equipment, power wiring and control wiring provided by OTHERS. Please advise if correct.
Question 13: RE: BP#3 Pharmacy - The Generator Annunciator, ATS Annunciator and Siemens Fuel Monitoring Panel are located in the Penthouse per sheet E2.6. These panels need to communicate to the BMS system and be provided with a phone line from Communication Room. The only BMS and Communication Rooms shown on the plans are in the basement. Are there any other locations from which our wiring can come?

Answer: PBA: The Generator and ATS annunciators do not require direct communication to the BMS system. The BMS communication will be through the new Siemens PXCM panel. The Siemens fuel monitoring panel is relocated to the basement mechanical room. Refer to re-issued addendum #3 sheet E4.1 for locations of equipment.

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<td>Specification Changes:</td>
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ES-1 Refer to Section 270110 - TELECOMMUNICATIONS INTERIOR PATHWAYS (not reissued):

A. Refer to Paragraph 3.1, A, L, M, and O, revised as follows:

A. Where cables pass through walls, the Contractor shall provide and install Hilti Speed Sleeve, Model LCP-630OR EZ path fire system through penetration to match rating of wall. The penetration shall be sized per ANSI/TIA/EIA-569.

L. J-Hooks shall be spaced 48” O.C. maximum or 60” maximum on center.

M. Telecommunications cabling shall be routed in conduit above hard ceilings or between floors in any kind of offset condition.

O. Do not route exposed communications cabling within 18-12” of lighting fixtures and electrical power feeders.

ES-2 Refer to Section 270150 - TELECOMMUNICATIONS CBLING (not reissued):

A. Delete to Paragraph 1.4, B and C, replace with 1.4, B as follows:

B. Category 6 enhanced (CAT6E) cabling shall be utilized for all voice, data, wireless access points and security camera horizontal wiring. For WSU projects, any one of the following five CAT6E structured cabling system products are acceptable:

2. Superior-Essex/BerkTek NextGain CAT6EX.
4. Beldon DataTwist 600e.
5. CommScope Uniprise 7504 CAT6E

*Category 6e performance is defined by the manufacturers of the above cabling products.

B. Refer to Paragraph 2.1, A, add 2, 3, 4, 5 as follows:

2. CommScope
4. Hubbell.
5. Beldon.

C. Refer to Paragraph 2.2, A, add 2, 3, 4, 5 as follows:

2. CommScope-UNJ600.
3. Leviton.
4. Hubbell.
5. Beldon.

D. Refer to Paragraph 2.3, A, add 2, 3, 4, 5 as follows:

2. CommScope-UMP610-24P or UMP610-48P.
3. Leviton.
4. Hubbell.
5. Beldon.

E. Refer to Paragraph 2.3, B, 5 and revise as follows:

5. Terminations for the “building side” cabling on 110-style insulation pc board connectors color-coded for both T568A and T568B terminations.

F. Refer to Paragraph 2.4, A, add 2, 3, 4, 5 as follows:

2. CommScope.
3. Leviton.
4. Hubbell.
5. Beldon.

G. Delete to Paragraphs 2.6, A and B, replace as follows:

A. Manufacturers:

1. Shall be the same manufacturer and type as the cable, jacks and patch panels installed in the building.

B. Description:

1. Provide two (2) patch cords, one of each length specified, for each data and voice port in patch panel outlet and one (2) patch cord for each data and voice port for the workstation length as specified above.

H. Refer to Paragraph 3.6, B, revise as follows:

B. Mount patch panel starting at top of rack with cable management panel directly below panel. Alternate patch panel and cable management installation so that each patch panel has a cable management panel according to equipment rack elevations.

I. Refer to Paragraph 3.7, A, revise as follows:

B. Contractor shall mount 110 style-connecting blocks on plywood backboard. Provide “D Rings” and cable management between blocks.
PETER BASSO ASSOCIATES, INC.
Wayne State University
PBA Project No. 2014.0097.00
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September 23, 2014
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Item No.  Description

3.    Drawing Changes:

Drawings Issued / Re-issued:
005 – Science Hall: ME0.2, E3.0, E5.1, E5.2, E7.1
169 – Bioengineering: E3.1, E5.1
603 – Pharmacy: E0.2, E2.6, E4.0, E4.1, E5.1

005 – Science Hall
ED-1  Refer sheet ME0.2 (re-issued):
    A. Revised Telecom Outlet Schedule as indicated.

ED-2  Refer sheet E3.0 (re-issued):
    A. Removed conduit routing up to fourth floor as indicated.
    B. Added pull box as indicated.
    C. Added receptacle as indicated.
    D. Revised data outlet in room 0034 from A4 to A3 as indicated.
    E. Revised general note 8 as indicated.
    F. Revised construction note 8 and 14 as indicated.
    G. Removed construction note 23 as indicated.
    H. Revised construction note 23 to construction note 8 on plan as indicated.

ED-3  Refer sheet E3.4 (Not - issued):
    A. Removed sheet.

ED-4  Refer sheet E5.1 (re-issued):
    A. Revised Proposed Construction Sequence general note 2 as indicated.
    B. Added construction 4 as indicated.

ED-5  Refer sheet E5.2 (re-issued):
    A. Revised (E) RP-A panel schedule as indicated.

ED-6  Refer sheet E7.1 (re-issued):
    A. Added Tunnel Detail as indicated.

169 – Bioengineering
ED-1  Refer sheet E3.1 (re-issued):
    A. Added construction note 6 as indicated.

ED-2  Refer sheet E5.1 (re-issued):
    A. Added General Note 4 as indicated.
603 – Pharmacy

ED-1 Refer sheet E0.2 (re-issued):
   A. Revised Telecom Outlet Schedule as indicated.

ED-2 Refer sheet E2.0, E2.3, E2.4, E2.5 (Not - issued):
   A. Removed construction notes 6.

ED-3 Refer sheet E2.6 (re-issued):
   A. Removed construction note 6.
   B. Removed Siemens generator diesel fuel meter as indicated.

ED-4 Refer sheet E4.0 (re-issued):
   A. Revised construction note 14 as indicated.
   B. Added construction note 17 as indicated.
   C. Removed ground mat as indicated.

ED-5 Refer sheet E4.1 (re-issued):
   A. Revised construction note 14 as indicated.
   B. Added construction note 17 as indicated.
   C. Moved Siemens pxcm panel as indicated.
   D. Added receptacle, telecommunication outlet, and Siemens generator diesel fuel meter as indicated.

ED-6 Refer sheet E5.1 (re-issued):
   A. Added wire and conduit notes as indicated.
   B. Added trip setting for GEN-DP circuit breakers as indicated.
   C. Revised Proposed Construction Sequence general note 2 as indicated.

End of Addendum #3