



To: **All Vendors Bidding on The College of New Jersey
Fire Alarm Fiber, Hardware and Software Upgrade Project**

From: **The College of New Jersey**

Date: **July 2, 2020**

ADDENDUM NO. 3

ISSUE DATE: July 2, 2020

REFERENCE: The College of New Jersey
Fire Alarm Fiber, Hardware and Software Upgrade Project
Bid No. AB200033

INTENT: This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents and Prior Addenda if any, as identified above. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

CLARIFICATIONS:

1. The existing new manhole to be used as part of the project will be located between Armstrong Hall and Kendall Hall in lieu of ASB.
2. Under the provisions of the State College Contracts Law, Chapter 64 of Title 18-A, The College of New Jersey is notifying all contractors planning on submitting proposals for the **Campus Fire Alarm Project (AB200033)** that due to COVID-19, an announcement is posted on The College's website at <http://bids.pages.tcnj.edu/> providing information to bidders of the bid opening process.

CONTRACTOR QUESTIONS:

1. Please confirm the total number of work stations to be provided.
Response: Three (3) workstations and 2 servers as noted on drawings E101-ASB (two workstations), E101-POW (one workstation), E101-GRN (server) and E101-CROM (backup server). If a contractor does not require 2 servers to setup network redundancy, then two (2) additional workstations shall be provided; one each in Green and Cromwell Halls.
2. We presume TCNJ will pay for all the buildings permit fees, certificates, municipal AHJ approval, inspection and testing. Please confirm.
Response: TCNJ will pay all Permit Fee's. Inspection and Testing by the contractor.
3. Please clarify the interface requirement of RTS at Recreation center with fire alarm panel.
Response: Interface requirements of all existing systems and components (RTU) would remain unchanged after new fire alarm system installation. However, all interfaces need to be integrated into the new fire alarm system after panel replacement.

4. Please clarify the mounting style for this strobes (Eickhoff 1st Floor).

Response: Existing strobes are currently wall mounted to existing soffit and new would mount similar. Intent is that mounting style would remain the same as the existing field conditions in Eickhoff Hall 1st floor as shown on drawing E102-ECK.

5. Please clarify the detector type (New Residence Hall).

Response: New Residence Hall Smoke Detector shown on drawing E102-NRES with sub Note L refers to a local detector.

6. We presume that alarm event notification should receive by SMS or paging through Android or IOS. Kindly Confirm.

Response: Yes, see specifications for notification requirements.

7. As discussed in pre-bid meeting in any building where field devices are compatible and addressable with new FACP no wiring needs to be replaced.

Response: Yes, if existing devices are addressable and compatible with new FACP and LSMS and other project requirements.

8. Please clarify name of the buildings which currently has voice evacuation.

Response: Gitenstein Library – the new section currently has voice evacuation. Contractor to verify all systems in field.

9. Will College provide temporary facilities to our onsite PM/Foreman to include space for desk and printer (or can on site office if already established be used, a meeting area for Project Meetings and a restroom? If No is a temporary construction trailer acceptable and can we tap into campus power?

Response: A temporary construction trailer can be located at the powerhouse, which can be tapped into campus power. Permits will need to be filled out and filed with DCA.

10. The specification mentions temporary storage space. How big exactly is this storage space? If a storage trailer is necessary is it acceptable to have one and where on campus can we locate it?

Response: Temporary storage trailers can be located at the Carlton Ave. construction parking lot.

11. Is there a specific construction schedule or will this be decided once winning bidder is awarded and contracts executed?

Response: Milestone schedule was included in the bid documents, further breakdown to be finalized with the selected contractor.

12. Please clarify the notification device type. (Green Hall).

Response: Existing Green Hall notification device is a bell with a strobe shown on drawing E102-GRN as square with circle on top.

We assume there is only one annunciator panel in EAB. Please confirm.

Response: There is a 2nd annunciator panel in Allen mail room. The intent is to replace existing panels. Contractor is responsible to verify existing conditions and replace as needed.

13. As discussed in pre-bid meeting confirm only scope for Travers and Wolfe is upgrade or install secondary monitoring panels

Response: Yes, Travers and Wolfe buildings will not be fully upgraded under this project. Only the replacement of Honeywell panel, its integration with LSMS and installation of Fiber to the new panel is included in this project.

14. Is the price for 5 year service contract lump sum total or per year

Response: 5 year service contract, paid annually over five years.

15. If 50K allowance for asbestos remediation is exceeded additional cost will be submitted via change order. Or overage above 50K will become responsibility of owner. Please Clarify.

Response: If there are any overages to the 50K allowance, it will be handled via a change order to the successful bidder. If the entire 50K allowance is not used, then a credit change order will be issued to the responsible bidder for the remaining balance.

16. Page 33 under bid summary notes can you please define maintained in number 2 of that section

Response: This basically relates to the maintenance of the Fire alarm system that includes weekly inspections and visual checks, regular maintenance, semi-annual device checks and annual functional checks and service inspections to maintain system in satisfactory condition in accordance with NFPA 72 and the National Fire Alarm Code requirements.

17. We presume fire alarm remote annunciators are not required for these buildings. Soccer Field, Stadium Generator building, Stadium Concession Stand and Fire Pump House. Please confirm

Response: Yes. The remote annunciator panels are not required for Soccer Field, Stadium Generator building, Stadium Concession Stand and Fire Pump House. For the rest of the buildings the intent is to replace existing systems. It will be the contractor's responsibility to provide a code compliant replacement for these buildings.

18. Any building with smoke control functions, is a graphical smoke control annunciator required.

Response: Intent is to transfer and integrate all existing systems that are reporting to exiting panel and Front-End to the new FACP and LSMS. Contractor shall survey the buildings prior to preparing design drawings and include all existing systems connected to FACP in the shop drawings. See drawings E101-xxx general note 5 and E102-xxx note 1 for all buildings except Forcina Hall and Maintenance Building.

19. Bid Documents and Floor plans do not specify VFD/MCC locations for shutdown. Please show the locations of any MCC and VFD units requiring shutdown.

Response: Intent is to transfer and integrate all existing systems that are reporting to exiting panel and Front-End to the new FACP and LSMS. Contractor shall survey the buildings prior to preparing design drawings and include all existing systems connected to FACP in the shop drawings. See

drawings E101-xxx general note 5 and E102-xxx note 1 for all buildings except Forcina Hall and Maintenance Building.

20. Existing floor plan drawing does not show any door holder interface. Please confirm per building how many door holder interfaces required.

Response: Intent is to transfer and integrate all existing systems that are reporting to exiting panel and Front-End to the new FACP and LSMS. Contractor shall survey the buildings prior to preparing design drawings and include all existing systems connected to FACP in the shop drawings. See drawings E101-xxx general note 5 and E102-xxx note 1 for all buildings except Forcina Hall and Maintenance Building.

21. Bid documents and Floor Plans do not specify Smoke Detector Remote LED Annunciator Locations. Please Provide the Locations of any Required Remote LED Annunciators in all buildings. If the current remote LED'S are no longer required please state as such.

Response: Intent is to transfer and integrate all existing systems that are reporting to exiting panel and Front-End to the new FACP and LSMS. Contractor shall survey the buildings prior to preparing design drawings and include all existing systems connected to FACP in the shop drawings. See drawings E101-xxx general note 5 and E102-xxx note 1 for all buildings except Forcina Hall and Maintenance Building.

22. Floor Plans and Bid Documents for all buildings do not Specify Fire Alarm Card Access override. Please specify if lock release or override is necessary from the Fire Alarm System for any and all buildings. Please specify the locations and the points of termination.

Response: Intent is to transfer and integrate all existing systems that are reporting to exiting panel and Front-End to the new FACP and LSMS. Contractor shall survey the buildings prior to preparing design drawings and include all existing systems connected to FACP in the shop drawings. See drawings E101-xxx general note 5 and E102-xxx note 1 for all buildings except Forcina Hall and Maintenance Building.

23. Floor plan drawings do not indicate the locations of any electrically controlled Fire or Smoke dampers. Please confirm the existence of any Smoke or Fire dampers and indicate their locations. Additionally, (if any) please provide the Sequence of operations for these units.

Response: Intent is to transfer and integrate all existing systems that are reporting to exiting panel and Front-End to the new FACP and LSMS. Contractor shall survey the buildings prior to preparing design drawings and include all existing systems connected to FACP in the shop drawings. See drawings E101-xxx general note 5 and E102-xxx note 1 for all buildings except Forcina Hall and Maintenance Building.

24. Floor Plan Drawings do not indicate the locations of any current security points. Please indicate if these points are to be removed or are to remain after system replacement.

Response: Intent is to transfer and integrate all existing systems that are reporting to exiting panel and Front-End to the new FACP and LSMS. Contractor shall survey the buildings prior to preparing design drawings and include all existing systems connected to FACP in the shop drawings. See drawings E101-xxx general note 5 and E102-xxx note 1 for all buildings except Forcina Hall and Maintenance Building.

25. Floor plans do not indicate the location of these systems (Ansul, Releasing, Pre-Action and Agent Systems). Please confirm all locations of these systems and the desired monitored condition (alarm, trouble, and supervisory)
Response: Intent is to transfer and integrate all existing systems that are reporting to existing panel and Front-End to the new FACP and LSMS. Contractor shall survey the buildings prior to preparing design drawings and include all existing systems connected to FACP in the shop drawings. See drawings E101-xxx general note 5 and E102-xxx note 1 for all buildings except Forcina Hall and Maintenance Building.
26. We presume fire alarm fiber networking as Style 4. Please confirm
Response: Fiber networking wiring as per G004 to be a loop with two separate in / out fibers at each panel.
27. Will the winning bidder have the ability to negotiate modifications to the terms and conditions provided as part of the RFP packet?
Response: Modifications should be submitted with their bid.
28. Drawings and Specification are in conflict regarding the SLC wiring. Confirm both notification and initiating wiring is to be class B
Response: Class B is correct
29. Is interior **fiber** cabling required to be encased in EMT conduit?
Response: See drawing G003, detail-4, Fiber is either in EMT or FNMT depending on the location.
30. Will outdoor/underground cable placement strategy's and direction be acceptable for discussion to avoid trees, sidewalks, pathways, driveways, etc.?
Response: Yes. The contractor will discuss various scenarios with TCNJ Campus Construction after underground utility investigations and markouts by contractor.
31. With the acceptance of the AHJ; Is a limited temporary wireless Fire alarm System acceptable to the college in place of a human conducted fire watch?
Response: No
32. *Buy American 52:32-1. American goods and products to be used in state work The state shall make provisions in the specifications for all contracts for state work and for work for which the state pays any part of the cost, that only such manufactured and farm products of the United States, whenever available, be used in such work.*
Reading the above statement can you clarify. It is understood where parts are manufactured in The United States those parts would be provided. If a part for the system is not manufactured in the United States then the compatible part will be accepted for compatibility with UL system?
Response: Yes. As long as the manufacturer provides the UL listing for the product.

33. What date will questions be answered? With the walk-thru pre-bid being delayed. It has pushed out the date for questions to be asked so will the rest of the dates in the process including the bid response date be extended to allow enough time for proper response?

Response: Yes. The responses to questions will be provided on 7/2/2020 and the bid due date has been extended to July 21, 2020.

34. In order to prepare a proposal of the scope that you have requested, additional time is required. We request that the deadline for submitting the proposal be extended by a minimum of 4 weeks.

Response: The bid due date has been extended to July 21st, 2020.

35. What is the budget for this Part A and Part B?

Response: The College does not disclose budget information.

36. On the 6/16/20 walkthrough, a sign-in sheet with participates and contact information was collected by TCNJ. This list was promised to be distributed to all of the participates, but has not yet been received. When will this document be made public?

Response: The sign-in sheet was provided with addendum-2.

37. The prescriptive contract drawings show specific fire alarm equipment locations including requirements to add new devices. "The Fire Alarm Plan Shows The General Layout And Intent Of The Fire Alarm System. It Does Not Necessarily Reflect Exact Quantities Required By Code. The Contractor Shall Determine The Actual Quantity And Location Of Devices Required Based Upon Actual Field Conditions Required As Per NFPA 72." DLB is listed in the SoW as the Engineer of Record and prepared the bid drawings dated 5/3/20. Do the contract bid documents meet code? If it is the contractor's responsibility to provide a design-build layout, if so what is the purpose of the Part-B contract drawings? Also if DLB's drawings do not reflect a NJ-IBC code compliant design, and the contractor is responsibility, can are deviations are permitted such as the elimination of smoke coverage shown in areas with existing suppression coverage?

Response: Intent is to transfer and integrate all existing systems that are reporting to exiting panels and Front-End to the new FACP's and LSMS. The part-B contract drawings show existing devices for reference and provide a baseline and minimum level of protection required. Therefore, it will not be acceptable to eliminate smoke coverage.

38. Will the PDF project plans be freely available in AutoCAD DWG format for our selected manufacture's use?

Response: Yes. The AutoCAD DWG format building plans will be made available to the successful bidder.

39. The fire alarm manufacturer will supply UL listed media exchangers to convert the campus fiber network communication to copper, once inside the building. These media exchangers may be located either at the FACP or at the fiber demark entrance as it enters the building. Which location is preferred?

Response: Preference is to locate these at the FACP locations.

40. The project specifications require a general one-year warranty period to commence when the Certificate of Substantial Completion is issued. The project scope requires the four new LSMS's and the various building FACP's to be operational on the new fiber network in tandem with the existing copper network. Since the replacement project will be performed over a 2-3 year period, when does the warranty period begin?

Response: Three (3) workstations and 2 servers as noted on drawings E101-ASB (two workstations), E101-POW (one workstation), E101-GRN (server) and E101-CROM (backup server). If 2 servers are not required for network setup, then two (2) additional workstations shall be provided; one each in Green and Cromwell Halls.

- i) The term maintenance contract will start after the substantial completion of the whole project and will be renewed annually after that.

The maintenance and operation of the new campus fire alarm system across all buildings will be the responsibility of the Contractor during the construction of the project, even though some buildings may have fully completed construction.

Response: Yes. The standard one year warranty period begins after the substantial completion of a building. However, it will be the contractor's responsibility to maintain the building until the substantial completion of the project and until the 5-year maintenance/service begins.

41. Are auxiliary AC 120V surge protectors required for all equipment (panels, NAC boosters, etc.)?

Response: Yes

42. It appears that the intent is to have it report back to the LSMS in the Power House, Administrative Services, Green Hall, and Cromwell Hall buildings. The project specification require one dedicated RS 485 port for central-station operation using a point ID DACT. Will Central Station monitoring be required for this project? If we are to provide, will these fees be included in our proposal? If so for how long?

Response: Central station monitoring as a service is not part of the scope. The LSMS workstations at Power House and Campus Police provide the required system monitoring for the Campus. New LSMS shall include all functionally of the existing system, see note on E001. The redundant LSMS servers, as required, will be installed and located in Green Hall and Cromwell buildings only and the central monitoring work stations in Power House and Administrative Services building. Two workstations in ASB provide 24/ 7 monitoring by Campus Police. Two additional workstations will be located in Green Hall and Cromwell building in lieu of servers if a vendor does not require main servers for system redundancy.

43. Page 5 of the SoW states: "There are other systems in various buildings connected to FACP's that communicate to the Front End through the fire alarm system. It will be the contractor's responsibility to transfer all those systems to new panels from the existing FACP's with no cost to College. These systems include security, fire shutters, clean/special agent systems, CO detectors and monitor modules for other miscellaneous systems. Contractor shall survey the buildings prior to preparing design drawings and include all additional circuits in the shop drawings." The RFP has provided detailed contract drawings with specific equipment locations, and system modifications. If items such as security or suppression monitoring are not identified on the on the contract drawings, but

do exist, will be the contractor's responsibility to transfer all those systems to new panels from the existing FACP's with no cost to College?

Response: Yes, Intent is to transfer and integrate all existing systems that are currently reporting to exiting FACP and Front-End to the new FACP and LSMS. Contractor shall survey the buildings prior to preparing design drawings and include all existing systems connected to FACP in the shop drawings. See drawings E101-xxx general note 5 and E102-xxx note 1 for all buildings except Forcina Hall and Maintenance Building.

44. Please verify that the provided bid drawings are showing the devices required for this project and if any additional devices may be required, like fire alarm exterior bells as these will be a change to this project.

Response: No, the additional devices would not be considered as a change. Contractor shall survey the buildings prior to preparing design drawings and include all additional devices required. See E101-xxx general note 5 and note 1 as well as E102-xxx note 1 on all buildings except Forcina and Maintenance.

45. It is not clear whether we are to include test and inspections costs into our proposal for a period of 5 years. Please verify this is a 5 year warranty? Typical is 1 year or what is recommended by the manufacturer. Will this be held against our retention for the period of 5 years?

Response: Correct, 5 year maintenance service contract includes testing and inspection costs required. Refer to page 33 in the specifications. The standard one year warranty period begins after the substantial completion of a building. However, it will be the contractor's responsibility to maintain the building until the substantial completion of the project and until the 5-year maintenance/service begins.

46. What is there a percentage of work for the overall scope that you've identified which will require "off-hour" or premium time work?

Response: Academic buildings are in use from 8am to 10pm Monday to Friday from the end of August to the middle of May. Work shall be coordinated around these times. Residential buildings are not occupied by students from the middle of May to the middle of August. The contractor may have to work 2nd shift or even 3rd shift, to work around some of these schedules to minimize impact on the building occupants. Residential buildings can be scheduled for work during summer when they are not occupied.

47. The specifications section 3.8.A lists a 12 month inspection period which matches the 1-year warranty period in the SoW and a 1-year period is typical for a TCNJ maintenance contract period. The bid form requests a 5-year maintenance contract period. Which period should be used for the proposal?

Response: The 5 year service contract, paid annually over 5 years, commences upon substantial completion of the entire project. The standard one year warranty period begins after the substantial completion of a building. However, it will be the contractor's responsibility to maintain and service the building until the substantial completion of the project and the 5-year maintenance/service contract begins.

48. Specification 1.10.A Existing Fire-Alarm Equipment requires maintaining existing equipment fully operational until the new equipment has been tested and accepted. New equipment and wire is installed in tandem with the existing equipment, labeled "NOT IN SERVICE" until it is accepted. This conflicts with other portions of the SoW and instructions provided in the walkthrough which allow a Fire Watch to decommission and replace existing devices using existing wire. If addressable devices must be replaced to be compatible with the LSMS, is the new fire alarm system to be installed in parallel (tandem) with the existing fire alarm system with all new wire as specified?
Response: Yes, see note 11 on E001. The intent is that the existing fire alarm system shall remain in operation and unimpaired until the replacement system is installed, fully connected and communicating with the LSMS." Fire watch will be required during switchovers and when the existing system is impaired and not communicating. This will be further evaluated with the successful bidder once the contract is awarded.
49. If the selected fire alarm manufacturer must install a new FACP and addressable devices and is UL listed for control the existing NAC appliances and booster panels, then can that notification equipment be maintained and supported by the new FACP?
Response: Yes, as long as all NAC and booster panels meet all requirements of the drawings and specifications.
50. If required, who will be providing traffic control services for the fiber network installation due to roadway impairments or blockage? The contractor's responsibility, TCNJ or jointly?
Response: Contractor shall be responsible to coordinate with TCNJ and provide traffic control and job site safety and security.
51. If required, who will be providing the fire watch? The contractor's responsibility, TCNJ or jointly?
Response: Contractor shall be responsible to provide fire watch and all coordination with TCNJ safety and campus police.
52. If the selected fire alarm manufacturer must install a new FACP, during the switchover, will the new panel be required to provide general alarm/ trouble/ supervisory interfacing to the existing panel and campus network? If so, would the installation contractor be required to hire the existing vendor for programming or would TCNJ provide that service for communicating with their existing campus network?
Response: Yes, modifications to the existing system are the responsibility of the contractor.
53. If the legacy ionization smoke detectors contain Americium-241, who is responsible for disposal of the radioactive product?
Response: Contractor is responsible for proper disposal.
54. Currently the bid opening date for this project is July, 7th 2020. Could this be extended to July 21st 2020?
Response: Yes. The bid date has been extended to July 21st, 2020.

55. Will all fire alarm technicians performing on site programming, checkout and testing be required to be paid at prevailing wage rates for journeymen electricians?

Response: Yes. This is a prevailing wage project.

56. Please provide a list of previous bidders for part A (Cable infrastructure upgrade).

Response: Millennium Communications, Oliver Communications, MJF Electrical Contracting, Framan Mechanical.

57. Please provide a list of the attendees of the walk-through.

Response: Pre-bid sign-in sheet was issued with Addendum-2.

58. Forcina Hall and the Maintenance Building show speakers (as opposed to horns) and a new voice evacuation system per the bid documents. If voice communication is seen as valuable enough to include in these buildings, should all buildings be converted to voice communication allowing the college to implement campus-wide emergency communications?

Response: The intended system replacement for Forcina Hall and Maintenance Building includes devices that are voice-capable but not for voice communication. It is not a general emergency notification system. For other buildings the intent is to replace and integrate the existing systems to create a fully addressable fire alarm system, not for voice communications.

59. Part 2 of the Fire Alarm System Upgrades Project Priority, Phasing and Strategy (page 2 of 10) references point addressability for fire alarm devices and fully addressable systems. Is addressability (to individually report to both fire alarm panel(s) and graphical fiber head end) required for both initiating devices and notification appliances? Point addressability for notification appliances should be considered, as it would result in all fire alarm devices (initiating and notification)

Response: Yes, point addressability is required for all devices.

60. Are we correct to assume the governing code and standard to be enforced on this project will be IBC-NJ (2018)? If no, what governing code and standard shall be enforced on this project as there are references on the bid drawings to IBC-NJ 2015?

Response: DCA Applications have been filed for this project already and will follow IBC-NJ 2015.

61. Will 520HZ audible notification be required in all residential sleeping rooms on campus regardless of the scope of the fire alarm upgrade?

Response: Yes, for all new devices.

62. What is the functionality of having (2) detectors per residential sleeping room as shown on bid drawings in the New Residence Hall (drawing E-102-NRES)? Will (2) detectors and the same functionality be required in the scope of this project?

Response: There is only one functioning device in most of the rooms. If the devices are required to be replaced in the building, then it will be the contractor's responsibility to remove both the existing devices and install new devices as per the latest code requirements.

63. Will applicable code minimums direct the scope of fire alarm upgrades per building? I.E. if an academic building is fully sprinklered, can non-required smoke detection be removed and not replaced?

Response: No, As noted on the project documentation: “the intent of the reference drawings in Part-B is to provide a baseline or minimum level of protection that shall be maintained” so it would not be acceptable to eliminate smoke coverage.

64. Please provide list of what buildings are fully sprinklered and provide copies of current sprinkler inspection reports.

Response: Fire sprinkler inspection reports are included as attached to this addendum.

65. Under preliminary review of bid drawings and cross reference with corresponding inspection reports, some discrepancies have been noted. Please provide all fire alarm inspection reports.

Response: Fire alarm inspection reports are provided as an attachment to this addendum.

66. Can fire alarm scope, including early warning detection and notification devices, be decreased in a building if it will still satisfy code requirements?

Response: No, As noted, the intent of the reference drawings is to provide a baseline or minimum level of protection required that shall be maintained so it would not be acceptable to eliminate smoke coverage.

67. Where fire alarm interfacing with other trades is required (SEC-AC Doors such as mag locks, ADA doors, Fire doors, HVAC, BAS systems, Sprinkler Flow Switches, Sprinkler pre-action systems, Kitchen Hoods and clean Agent systems, Elec recall and power shunts...etc.) will the winning bidder be required to test and/or remedy anything beyond actuation of the correct/corresponding fire alarm relay or monitor module? If so, will the college be responsible for scope and costs resulting from deficiencies and pertaining to trades other than fire alarm? (for example, who is the elevator vendor for each building and will they be required for testing?)

Response: Contractor shall be responsible for fire alarm relay / monitor module/ initiation device and for any testing required (including coordinating with specific vendors). Contractor would be responsible to report any deficiency pertaining to component operation but would NOT be responsible to repair systems beyond fire alarm.

68. Floor plans in bid documents show only the 1st floor of Travers & Wolfe Hall building. Will the remaining 10 floor plans be provided and will all 11 floors be part of the scope of this project?

Response: No. Travers and Wolfe buildings will not be upgraded under this project. The Scope of work in TW Halls is only associated with the installation of Fiber and the replacement of the Honeywell intermediary panel that communicates with the Front End. No devices or wiring will be replaced under this project.

69. Should unit pricing of devices encompass a fully programmed, commissioned and installed device thus including costs for equipment, engineering, installation, reasonable length of wire, programing and commissioning? If yes, please provide scope of work.





Response: Yes, unit pricing shall include a fully installed, programmed, and tested device.

70. Will the College be responsible for coordination with excavation projects currently taking place on campus?
Response: Yes, TCNJ Campus Construction will be responsible for coordinating with other projects on Campus.
71. Bid documents define an age threshold for existing FACP's and existing wiring where replacement is necessary. No such age threshold has been defined for fire alarm field devices. Is there an age of existing field devices that will trigger replacement?
Must field devices be addressable and currently in production or can obsolete field devices remain?
Response: No age threshold has been established for existing devices that are to remain. However, the existing devices that remain shall be addressable and compatible with the new FACP and the LSMS. All new devices must be addressable and currently in production.
72. Will persons currently working on campus through contracts or financial channels not accounted for in the scope of this project be able to contribute to or work on this project?
Response: No.
73. Can each manufacturer only submit one bid for this project or will multiple bids from different parties (different offices, different distributors, etc.) using the same manufacturer's equipment be accepted?
Response: Yes.
74. Will all buildings be brought up to current code or will certain buildings be allowed to stay code deficient in one or more areas due to existing to remain? (for example, adding carbon monoxide detection but not upgrading anything else to current code requirements)
Response: All buildings, except Travers and Wolfe Halls, will be brought up to current code. See E101-xxx general note, Contractor shall determine actual quantity and location of devices required based on field conditions required as per NFPA 72.
75. Will sealed shop drawings of an entire system for all buildings be required to be submitted to DCA for approval?
Response: Yes, for all buildings where entire system is being replaced, based on scope of work. For buildings where only FACP's are being replaced, submission of sealed drawings for the entire system may not be required.
76. If the Fire Alarm system is existing to remain, how is the code analysis to be performed?
Response: The design drawings show additional devices required in deficient buildings. If a building does not require a full retrofit, then the contractor shall install those additional devices to bring the buildings up to code. Contractor shall verify this during the initial surveys and determine any deficiencies. For buildings that would require a full retrofit and/or device replacements, it will be the contractor's responsibility to provide a code compliant design and bring those buildings to latest code. At the completion of the project, all buildings will be compliant with the latest code. Travers Wolfe is the only building that will not require any code analysis.
77. Drawings are based upon walk-throughs from November 2017 to March 2018, can information be provided showing what system modifications have occurred in the last 2+ years?

Response: No major system modifications have occurred. CO devices are being installed in Cromwell, Decker and Eickhoff Halls under the Domestic water project.

78. (4) Symbols on floor plans not defined in symbol legend. Please define: Circled SD with a subscript L, Boxed F with a circle on top, circled BD, and Box with an inner box connected at the corners with lines with an upside down tri-angle on top.

Response: Symbols defined as follows:

 Local Smoke Detector,  Bell with Strobe,  Smoke Detector with Sounder Base,  Horn/ Strobe.

79. Does this project require union installers or have a project labor agreement?

Response: This is prevailing wage.

80. For bid purposes are the following buildings considered to need new fire alarm wiring: Armstrong, Armstrong Parking Garage, Bliss Annex, Centennial Hall, Cromwell Hall, Ely-Allen-Brewster, Green Hall, Kendall Hall, Music Building, New Residence Hall, Packer Hall, Powerhouse, Recreation Center, Roscoe Hall and Addition, Town House East, Town House South, Town House West, and Travers/Wolfe Garage?

Response: Yes, if the devices will need to be replaced in these buildings for full addressability. All buildings requiring new devices will need new fire alarm wiring unless contractor provides documentation of condition and warranty, see E002 Special Emphasis note 17.

81. If the new systems require 30% spare capacity for circuits and power supplies, and 20% spare capacity on batteries; do the existing systems to remain require this same spare capacity?

Response: No. Only new systems require spare capacity; existing systems to remain capacity will remain unchanged.

82. Various areas on floor plans of bid documents contain greyed out areas. What do the greyed-out areas indicate?

Response: Refer to the symbol list on drawings. Shading on the E102-xxx sheets relates to areas that were not accessible during original survey for device verification but would need to be included in Fire Alarm device replacement, if needed, for those buildings.

Attachments:

1. Fire Alarm inspection reports
2. Sprinkler inspection reports

END OF ADDENDUM NO. 3