

## B.4 PERFORMANCE WORK STATEMENT

### 1. Introduction:

The Veteran Integrated Service Network (VISN) 22, Network Contracting Office (NCO) intends to establish a single award firm-fixed price (FFP) contract to install fiber and copper fiber cables for the VA Long Beach Healthcare Systems (VALBHS). The contractor award shall provide all labor, tools, materials, and equipment necessary to accomplish the requirements set forth within the RFQ.

### 2. Place Of Performance:

VA Long Beach Healthcare System  
5901 E. Seventh Street  
Long Beach, CA 90822

### 3. Period Of Performance: 30 days from time of contract award.

### 4. Specific Task:

**Fiber Installation:** The contractor shall install one (1) 24-fiber single-mode bundle from building 126, MDF to the following new IT closet in building 149 per the requirements listed below:

- a. Remove existing six strand single-mode fiber cables from the 2 existing tube cells from the MDF in building 126 to building 149 and install (1) 24-fiber single –mode bundle into this existing tube cell. The distance from the MDF in building 126 to building 149 is approximately 2,800 feet and the pathway shall go through seven existing manholes.
- b. Provide and install new TDU and FDU (Fiber Distribution Unit) in the new IT closet in building 149.
- c. Provide and install LC connectors for fiber termination.

### Testing:

- a. All testing shall be done in accordance with TIA/EIA-526
- b. All fiber optic strands shall be bi-directionally tested for loss and attenuation. All test results shall be turned in to the Long Beach IT Department in PDF format (CD) and the summary report in hard copy form.
- c. The FTUs shall be labeled with machine printed labels following the Owner's specified labeling scheme.
- d. All existing and new tube cells shall be labeled with machine printed label following the Owner's specified labeling scheme.
- e. Existing spare tube cells shall be pressure tested before to ensure optimum passage of ABF. Pressure test(s) shall be submitted to the VA and shall include:
  - 1) Test date
  - 2) Installer's name
  - 3) Tube Cable ID
  - 4) Tube # (in)
  - 5) Tube # (out)
  - 6) Test Pressure (P.S.I.)
  - 7) Time held
- f. Existing spare tube cells shall be tested for obstruction to ensure optimum passage of ABF. Obstruction test(s) shall be submitted to the VA and shall include:
  - 1) Test date
  - 2) Installer's name
  - 3) Tube Cable ID
  - 4) Tube # (in)

- 5) Tube # (out)
- 6) Span Length
- 7) Travel time
- 8) P.S.I. test rate
- g. The contractor shall submit documentation signed by the manufacturer of FutureFLEX® Air Blown Fiber® with the bid that states the Contractor is authorized and certified by FutureFLEX® to provide the FutureFLEX® Air Blown Fiber® cable products installation and warranty certification.
- h. All indoor tube cables shall be composed of dielectric materials and properly rated (i.e. – plenum/riser/general purpose) per application.
- i. During installation, tube cable ends are to be completely sealed per manufacturer's recommended procedures to prevent ingress of contaminants.
- j. The minimum bend radius shall be 20 times the cable diameter during installation and 10 times the cable diameter after installation.
- k. Upon completion of tube cable installation, all tubes shall pass the standard 150 psi pressure test and 5 mm bead obstruction test per the cable manufacturer's recommended procedures.
- l. All unoccupied tubes shall be plugged on both ends per manufacturer's specifications.
- m. A NEMA-rated enclosure, suitable for the site environmental conditions shall be provided for tube distribution, routing, and termination.
- n. All labeling shall be in accordance with ANSI/TIA/EIA-606 unless otherwise noted by the VA.
- o. A hard copy and an electronic copy of testing result shall be submitted to the COR or OIT personnel.

**New IT Closet Equipment Installation:** Contractor shall provide material and labor to build a new IT closet in the new Fiscal Office in building 149. The new IT closet shall require the following:

- a. Three (3) 4 post racks (for angled patch panels).
- b. Ladder racking materials.
- c. Cable managements materials.
- d. Grounding materials.
- e. All other necessary materials to complete the installation of the new IT closet.
- f. Chatsworth hardware is required to use in this closet. (Like or equal to Chatsworth), shall provide brand and specification with technical package))

**Copper Installation:**

- a. Provide and install 100 pair of coppers, CAT 3 from the existing IDF to the new IDF in building 149 for the phone system.
- b. Provide material and labor to install 58 network drops in the new Fiscal Office space in building 149. Each network drop shall be a 4-cable combo, CAT 6 Plenum rated cables: gray, blue, white and yellow and shall terminate at both ends.
- c. Contractor shall provide all necessary equipment and material such as angled patch panels, cable managements, jack modules, faceplates, sleeves etc... to complete the installation for all new network drops listed above. Panduit hardware is required to use in this location.
- d. Contractor shall only use velcro to bundle the cables inside and outside the IDF closets. All cables above the ceiling shall be J-hook to the ceiling grid.
- e. All cable pathways are to be supported every 4-5 feet with J-hook and attached to ceiling grid.
- f. Contract shall provide all necessary accessories required to complete the fiber installation.
- g. Each network drop shall be terminated on the corresponding color RJ-45 connector on 4-jack faceplate and labeled in accordance with local standard operating procedure (SOP) IMS 07-13, cable installation, labeling and testing. SOP IMS 07-13 is attached. With the exception of the areas determined to be a 3-cable CAT 6 PLENUM combo.

- h. Contractor shall test and certify all new network drops. Test report shall include at a minimum the following information: Test date; test location; cable type; wire map; length; insertion loss (Attenuation); NEXT Loss; PS NEXT Loss; ACR-F Loss, pair to pair; PS ACR-F Loss; Return Loss; Propagation Delay; Delay Skew. Contractor shall be prepared to show the last calibration date on the testing equipment. Equipment shall be calibrated within the last calendar year of the acceptance of award.
- i. A hard copy and an electronic copy of testing result shall be submitted to COR or OIT personnel.
- j. Contractor shall provide warranty service for both fiber and copper material and labor. Material warranty shall base on the cable manufacturer warranty policy and labor warranty is one year after the work has been accepted.
- k. Contractor is required to submit a hard copy and a CD of VISIO and FPD drawing to include all fibers and drops terminated in each IDF, the cable single-line signals and their ID labels, IDF of origin, room of origin, faceplate number, patch panel ID and date installed to COR or OIT personnel. In accordance with local SOP.

##### **5. Personnel Qualifications/Experience Criteria:**

- a. Contractor shall have 30 hours OSHA training for Project manager/Leader and 10 hours OSHA training for each contractor's employee. Contractor shall indicate in the RFQ that they meet all OSHA training requirement and certifications.
- b. Contractor is required to obtain the Above Ceiling Permit and ICRA at Hospital's Safety Office. Infection Control Class shall be classified base on the job site and environment around it. The locations above in this PWS shall fall in between Class I (lowest) to class III (highest). See below for Class I, II, and III requirements:
  - 1) Class I:
    - a) Execute work by methods to minimize raising dust from construction operations.
    - b) Immediately replace any ceiling tile displaced for visual inspection
    - c) Minor Demolition for Remodeling
  - 2) Class II:
    - a) Use an EC unit or a plastic barrier (with zipper) sealed to floor and ceiling tile.
    - b) The entire opening shall be enclosed.
    - c) Use a HEPA vacuum to clean tops of tile (in ceiling space) in enclosed work area.
    - d) Use a HEPA vacuum when making penetrations in walls to control any dust.
  - 3) Class III:
    - a) Use an EC unit or a plastic barrier (with zipper) sealed to floor and ceiling tile.
    - b) The entire opening shall be enclosed.
    - c) Use a HEPA vacuum to clean tops of tile (in ceiling space) in enclosed work area.
    - d) Use a HEPA vacuum when making penetrations in walls to control any dust.
    - e) Apply negative air to the EC unit or containment by means of HEPA filtered device. The HEPA filtered air outlet (exhaust) shall be routinely checked for particulates.

All deliverables shall be inspected by the VA for completeness, and conformance to the items listed above by the government.

##### **6. Miscellaneous Requirements**

- a. Practice water conservation.
- b. Turn off unnecessary lights.
- c. Report fire hazards, conditions, and items in need of repair to the COR.
- d. Turn in lost and found articles to the COR.

- e. The contractor shall notify the COR of any condition, including adverse weather or special requests from government personnel that may interrupt or delay performance under this PWS. Once the condition is resolved the contractor shall resume interrupted work as soon as practical. When this period exceeds 24 hours the COR shall approve the delay.

**7. Required Documentation:**

- a. The contractor shall submit documentation signed by the manufacturer of FutureFLEX® Air Blown Fiber® with the bid that states the Contractor is authorized and certified by FutureFLEX® to provide the FutureFLEX® Air Blown Fiber® cable products installation and warranty certification.
- b. The contractor shall be responsible for obtaining all necessary and current licenses, permits, vehicular insurance and registration, Workman's Compensatory Liability Insurance, property liability insurance etc., prior to the start date of these services. The contractor shall provide the Contracting Officer copies of these required documents immediately after award of contract.
- c. Provided an Injury and Illness Prevention Program (IIPP). **(Provide within 7 calendar days after contract award)**
- d. Provided a Confined Space Certification per the PWS. **(Provide within 7 calendar days after contract award)**
- e. Provided a Rescue Plan. **(Provide within 7 calendar days after contract award)**
- f. Have 30 hours OSHA training for Project manager/Leader and 10 hours OSHA training for each contractor's employee. **(Provide within 7 calendar days after contract award)**

**8. Utility Lines Compliance:** Where installation conflicts with existing utility/service lines (above ground), the corresponding utilities company and the COR shall be notified and the contractor shall obtain any necessary permits/ blue prints and cooperate with the utilities company/ and VA staff to avoid any damage or liability, and provide a safe work environment for their employees.

**9. Clean Up:** The contractor shall dispose of all waste materials off-facility. Waste and debris shall be removed off facility in accordance with Federal, State, and local regulations.

**10. General Parameters:**

- a. The contractor is responsible to ensure that all work shall be done in a manner that safeguards all VA visitors, employees, and public. The contractor shall be solely responsible for any and all actions initiated and/or completed by his/her employees. Furthermore, the contractor and his/her employees shall have a clear understanding of, and be sensitive to, such environmental issues as contamination, local wildlife, etc., and be consistent and fully compliant with all applicable Federal, State, County and City laws, ordinances, Right-to-Know laws, EPA guidelines, and regulations.
- b. The contractor shall be responsible for cleaning any structures that are soiled or stained as a result of contractor's performance. No hazardous chemicals are to be used at any time on Government property. The contractor shall bear all costs associated with cleaning.
- c. At the end of each day the contractor shall remove all debris from the site resulting from the work, unless otherwise specified by the COR. The contractor shall ensure at all times that rubbish and trash generated by the contractor is kept clear of vehicular and pedestrian traffic throughout the site. NOTE: The Government shall NOT provide receptacle(s) for disposal of debris related to this contract.
- d. Adequate warning devices, barricades, guards, flagmen or other necessary precautions shall be provided by the contractor for the protection, safety, and warning of all pedestrians and vehicular traffic within the area.

- e. The Government may undertake or award other contracts for additional work at or near the site of work for this contract. The contractor shall fully cooperate with any other contractors and with Government employees and shall carefully adapt scheduling and performance of work, needing any direction, it shall be provided by the COR. The contractor is responsible for reporting to the COR any problems or questions that may arise with any other personnel on site during the period of performance of this contract. The contractor shall not take it upon him or herself to resolve any problems or issues with other on-site contractors or employees, but rather shall leave it to the COR to resolve the issue.
- f. Contractor personnel shall exercise and exhibit absolute decorum, composure and stability at all times.
- g. The Government shall not be responsible for any loss, damage, or theft of contractor items. Contractor shall be responsible for acceptable standards of housekeeping and custodial maintenance of the Department of Veterans Affairs facilities used by contractor's employees.
- h. Electricity and water will be furnished by the Government.
- i. The COR may designate an area for the contractor to use to store a limited amount of supplies or equipment, if available.
- j. The COR will designate an area for contractor employees to take lunch and other breaks.

#### **11. Safety and Fire Prevention:**

- a. In the performance of this contract, the contractor shall take such safety precautions as necessary to protect the lives and health of the occupants of the building. Fire and safety deficiencies, which exist and are part of the responsibility of the contractor, shall be immediately corrected. If the contractor fails or refuses to correct deficiencies promptly, the COR may issue an order stopping all, or any part, of the work. The contractor shall comply with applicable Federal, State, and local safety and fire regulations and codes, which are in effect during the performance period of the contract. The contractor personnel shall follow applicable facility policies concerning fire/disaster programs.
- b. The Contractor shall maintain Medical Center fire barriers in accordance with NFPA. This includes maintaining integrity of all fire-stop assemblies when penetrated by cable, wires, and pathways. All fire-stopping shall comply with local Engineering requirements and applicable codes. Engineering and Safety shall approve fire-stopping material and installation for each location. The contractor shall provide the locations for the fire-stopping in each of the above ceiling permits for Engineering to inspect when complete.

#### **12. Contractor-Furnished Items:**

- a. The contractor is responsible for supplying all equipment, personnel, tools, supplies and materials to perform these services.
- b. Contractor-furnished items necessary to perform work as required under this contract shall be furnished, maintained and operated by the contractor and shall be consistent and fully compliant with all applicable Federal, State, County, and City laws, ordinances and regulations.
- c. Materials and supplies procured for the performance of the contract by the contractor shall be consistent and fully compliant with all applicable Federal, State, County, and City laws, ordinances and regulations.
- d. The contractor is responsible for the supply, maintenance and repair of all contractor-owned equipment. This includes, minor maintenance/repair and minor operating parts for equipment such as lubrication, oil changes, spark plugs, gaskets, cotter pins/keys, electric extension cords, etc., to keep all equipment in good operational condition throughout the period of performance of this contract.
- e. The contractor is responsible for ensuring that all of his/her motor vehicles and equipment meet State of California inspection, safety, licensing, registration, and insurance requirements.

- f. In case the contractor requires water and/or electricity to perform these services, the contractor shall provide and maintain at his/her expense, the necessary service lines from the Government outlets to the site of work in order to accomplish these services. The “hook-ups” to the work site may require the contractor to run electrical cords/hoses.
- g. The contractor shall provide his/her own REFUSE FACILITIES. The contractor is required to dispose of all debris and other waste materials generated by his/her work at a licensed off-site landfill or recycling center, unless otherwise directed in writing by the COR. The Government shall not provide receptacles for disposal of debris as a result of the services provided under this contract.

### **13. Contractor Conduct:**

- a. Be required to adhere to the following standards of dress, conduct, supervision and training while performing work on Government property. It shall be subject to immediate enforcement action by the Contracting Officer if these standards are not adhered to during the period of performance of this contract. Contractor shall be responsible for training and safety precautions prescribed by OSHA regarding safety equipment and devices.
- b. Be fully clothed at all times, to include upper garment to cover body from the waist to the neck and long pants or slacks. Garments, which have a message, slogan or printing of any kind other than the contractor’s business attire, are prohibited. Uniforms are acceptable.
- c. Maintain a neat and professional appearance throughout its workforce, vehicles, equipment, and maintenance areas. Uniforms are acceptable. If uniforms are used, they shall be in unison among all employees.
- d. The contractor/personnel shall not engage in loud or boisterous behavior, angry outbursts or use profane or abusive language at any time on Government premises. Playing radios and/or electronic games/devices shall only be done at lunchtime and in a designated break area. Due to the sensitive mission of the hospital, contractor employees shall come into daily contact with individuals, therefore contractor employees shall exercise and exhibit absolute decorum, courtesy, and respect while within the hospital or at its perimeter or entrances. Inquiries from veterans or visitors shall be politely referred to Government cemetery staff. **Gratuities of any kind are strictly prohibited.**
- e. Consume food and beverage only within areas designated by the COR. Intoxication, and violence or criminal acts of any kind shall not be tolerated - and is cause for immediate removal from Government property. Use or sale of intoxicating beverages and/or drugs is strictly prohibited, and use of tobacco products is only allowed in specific areas designated by the COR.
- f. Workers maybe use either government toilet facilities located in the nearest building. Misconduct shall form the basis for immediate contract enforcement action, to include immediate removal from the hospital.
- g. The contractor shall be responsible to ensure that his/her employees (including contractor’s consultants, subcontractors, etc.) are aware of all the terms and conditions set forth above in this solicitation package regarding their performance and conduct during the performance period of this contract.

### **14. Government holidays:**

The contractor is not required to provide service on the following National holidays, not shall the contractor be paid for these holidays.

The following national holidays observed by the Federal Government:

New Year’s Day	1 January
Martin Luther King’s Birthday	Third Monday in January
President’s Day	Third Monday in February
Memorial Day	Last Monday in May

Independence Day	4 July
Labor Day	First Monday in September
Columbus Day	Second Monday in October
Veterans Day	11 November
Thanksgiving Day	4 <sup>th</sup> Thursday in November
Christmas Day	25 December

If a holiday falls on Sunday, the following Monday shall be observed as the National Holiday. When a holiday falls on a Saturday, the preceding Friday is observed as a National Holiday by U.S. Government agencies. Also included would be any day specifically declared by the President of the United States.

- 15. Overtime and holidays:** Any overtime or holiday pay that may be entitled to Contractor personnel performing under this contract shall be the sole responsibility of the Contractor and shall not be billed to nor reimbursed by the Government.
- 16. Parking policy:** It is the responsibility of contractor personnel to park only in designated parking areas. Parking information is available from the VA Police. The VA shall not invalidate or make reimbursement for parking violations of contractor's personnel under any circumstances.
- 17. Smoking policy:** Contractor personnel may smoke only in designated areas. Smoking is allowed in all outside areas that are 25 feet away from entrances to buildings unless indicated otherwise. Enclosed patios connected to facility buildings are considered part of the building and as such are non-smoking areas.
- 18. Ordering activity:** Contractor shall not accept any instructions issued by any person other than the CO or COR acting within the limits of his/her authority.
- 19. Changes to Contract:** Only those services specified herein are authorized. Before performing any service of a non-contractual nature, contractor shall advise the CO of the reason(s) for the additional work and/or service. Prior authorization shall be obtained from the CO before performing the services.
- 20. Complaints:** Contractor shall promptly and courteously respond to complaints within 3 working days. Including complaints brought to contractor's attention by the CO. Contractor shall maintain a written record of all complaints, both written and oral showing the identity of the individual, the nature of the complaint, and contractor's response. Contractor shall permit the Government to inspect such records upon reasonable notice.
- 21. Badges:** All contractor personnel shall be required to wear VA provided identification (I.D.) badges above the waist at all times while on the VA grounds. Contractors shall be required to coordinate with COR in order to obtain the VA provided I.D. badges for all staff. All VA provided I.D. badges shall be returned at the end of the contract or upon completion of service. Failure to wear ID badges may result in removal from any of the VA facilities and/or otherwise referred to federal property.