

STATEMENT OF WORK (DRAFT)

A. GENERAL INFORMATION

1 . Scope of Work:

VA Long Beach Healthcare System is seeking a contractor to install single-mode fibers at locations listed below to replace the existing multimode fibers. Contractor shall furnish all necessary labor, materials, supplies, equipment and services (except as otherwise specified herein) and perform the work set forth within this Statement of Work to install fibers listed below:

1. Building 126:

a. Tube cells investigation:

- i. Investigate all open tube cells extending from the TDUs in the MDF basement of building 126 to the North and South risers in building 126 (there are 11 floors over the basement in building 126) and to several other buildings within Long Beach Hospital campus.
- ii. Perform pressure and pathway tests on each identified open tube-cell.
- iii. Label exact location on each tube-cell bundles/tube-cells at both ends.
- iv. Label all damaged tube-cells.
- v. Provide documentation include drawings to show tube cells pathways and tables to identify the open cells status and their ability to be used in future fiber placements.
- vi. In building 126, at the 3rd floor to the 11th floor, conduct the following tasks:
 1. In each of the South and North riser closets on each floor, connect 1 existing tube-cell coming from the MDF with 1 existing tube-cell coming from the IT closet using fiber optic coupler to create a continuous pathway from the MDF to IT closet for fiber installation.
 2. Conduct pressure and pathway test for each pathway.

b. ABF installation:

i. In building 126, the 2nd floor:

1. Provide and install 24 strands of single-mode fibers from MDF to IT closet using existing tube-cells. Distance of the pathway is approximately 400 linear feet (contractor is

responsible to measure the exact distance during the job site visit).

- ii. In building 126, 3rd floor to the 11th floor, install single-mode fibers on each floor as described below:
 - 1. South side: on each floor provide and install 12 strands of single-mode fibers from MDF to IT closet using the existing tube-cell tested above. The pathway from the MDF to the 3th floor IT closet is approximate 325 linear feet and the distances between floors are approximate 50 linear feet (contractor is responsible to measure the exact distance from MDF to each IT closet on each floor during the job site visit).
 - 2. North side, on each floor provide and install 12 strands of single-mode fibers from MDF to IT closet using the existing tube-cell tested above. The pathway from the MDF to the 3th floor IT closet is approximate 400 linear feet and the distance between floors are 50 linear feet (contractor is responsible to measure the exact distance from MDF to each IT closet on each floor during the job site visit).
- iii. Fiber enclosure in each IT closet and MDF room:
 - 1. Contractor shall use the existing fiber enclosure in each IT closet and in the MDF:
 - Contractor should install a new fiber patch panel adapter into the existing fiber enclosure if space is available
 - If space in the fiber enclosure is unavailable, contractor should uninstall the existing multi-mode fiber patch panel, push it to the back and install a new single-mode fiber patch panel in its place. Please do not disconnect the Multi-mode fibers after pushing it to the back. VA will be responsible for fiber cutover once single-mode fiber installation completed.
- iv. Provide and install all fiber optic termination hardware.
- v. All fiberoptic strands shall terminate with LC connectors.

- vi. Contractor must be Sumitomo certified to install VA ABF.

2. Building 126, 11th floor Elevator Penthouse room:

a. Tube cell Installation:

- i. Provide and install (1) 2 tube-cell plenum rated tube-cell innerduct from 11st floor, security room to the Elevator Penthouse room. The distance is about 300 feet (contractor is responsible to measure the exact distance).

b. ABF Installation:

- i. Provide and install 6 strands single-mode fiber from 11st floor, security room to the Elevator Penthouse room. The distance between the 2 end locations is approximately 300 linear feet (contractor is responsible to measure the exact distance).
- ii. Provide and install all fiber optic termination hardware.
- iii. All fiberoptic strands shall terminate with LC connectors.
- iv. In the 11st floor Security room, contractor shall intercept the existing 24 fiber single-mode cables and splice the new cable on 6 strands.
- v. Provide and install 1 wall mounted fiber enclosure in the Elevator penthouse room.
- vi. Contractor must be Sumitomo certified to install VA ABF.

3. Building 126OP:

a. Tube-cell:

- i. Test existing open tube-cells from building 126 MDF to building 126OP: basement, 2nd floor and 3rd floor IDF closets.

b. ABF installation:

- i. On each floor, provide and install 24 strands single-mode fibers from building 126 MDF to building 126 OP: basement, 2nd floor and 3rd floor IDF closets using existing tested tube cells above. The distance between the MDF to building 126OP basement closet is approximately 300 linear feet. Distance 100 between floors in building 126OP is approximate linear feet.
- ii. Provide and install all fiberoptic termination hardware.
- iii. All fiberoptic strands shall terminate with LC connectors.

- iv. Contractor must be Sumitomo certified to install VA ABF.

FIBER TESTING (Apply for all newly installed fibers at all locations):

- All testing shall be done in accordance with TIA/EIA-526
- Existing spare tube cells must be pressure tested before to ensure optimum passage of ABF. Pressure test(s) shall be submitted to the VA and must 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
- Existing spare tube cells must be tested for obstruction to ensure optimum passage of ABF. Obstruction test(s) shall be submitted to the VA and must 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

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 by Veteran Affairs Department.

Contractor is required to submit a hard copy and a CD of VISIO and FPD drawing to include all fibers pathway and their ID labels, IDF of origin, room of origin, faceplate number, patch panel ID and date installed to Contracting Officer or OIT personnel. In accordance with local SOP.

Contractor shall provide a detailed quote breakdown for both material and labor to install the fiber, copper as well as costs associated with testing and certifying.

A pre-solicitation site visit is highly recommended for all Contractors. Site visit schedule will be determine by Contracting Officer.

All deliverables will be inspected by the VA for completeness, and conformance to the items listed above by OI&T and the Contract Officer.

NOTE: Work activities must be supervised by a hospital representative. The following must be completed during activities:

- Containerize and cover all debris being removed from this area
- Follow Class precautions listed and general requirements under that class
- Clean areas at end of work
- At all the job sites listed above, contractor shall keep the areas clean, safe and shall clean up at the end of each day.

2. Period of performance: Finish within 60 business days after award, including material order lead time, Safety and Infection Control permit review and approval. Contractor must be able to start immediately upon award and must be flexible to meet the VA's schedule. Contractor is required to indicate the starting date in their proposal.

3. Technical Review Requirement: contractor must provide the following information in their proposals:

- Sumitomo certified certification for fiber installation
- Provide 3 reference projects that related to this project.
- Be able to provide hard copy and electronic drawing as described above
- Be able to start the work immediately and must be flexible to meet VA's schedule. Please provide the proposed starting date.

4. Personnel Requirements: Refusal of Contractor's Personnel: The Government reserves the right to accept or reject Contractor's staff for the rendering of services. Complaints concerning Contract Personnel performance or conduct shall be dealt with by the Contractor, and/or the COR with the final decision made by the Contracting Officer.

5. Personnel Qualifications/Experience Criteria:

- a. Contractor must have 30 hours OSHA training for Project manager/Leader and 10 hours OSHA training for each contractor's employee. Contractor must indicate in the proposal that they meet all OSHA training requirement and certifications shall be submitted to Contracting Officer before starting the job.
- b. Contractor is required to have TB tests for all contractors' employees whom work on the job sites. TB test report shall be submitted to Contracting Officer before start the job.

- c. Contractor is required to obtain the Above Ceiling Permit and ICRA at Hospital's Safety Office. Infection Control Class will be classified base on the job site and environment around it. The locations above in this SOW will fall in between Class I (lowest) to class III (highest). See below for Class I, II, and III requirements:

CLASS I:

- Execute work by methods to minimize raising dust from construction operations.
- Immediately replace any ceiling tile displaced for visual inspection
- Minor Demolition for Remodeling

CLASS II:

- Use an EC unit or a plastic barrier (with zipper) sealed to floor and ceiling tile.
- The entire opening must be enclosed.
- Use a HEPA vacuum to clean tops of tile (in ceiling space) in enclosed work area.
- Use a HEPA vacuum when making penetrations in walls to control any dust.

CLASS III:

- Use an EC unit or a plastic barrier (with zipper) sealed to floor and ceiling tile.
- The entire opening must be enclosed.
- Use a HEPA vacuum to clean tops of tile (in ceiling space) in enclosed work area.
- Use a HEPA vacuum when making penetrations in walls to control any dust.
- Apply negative air to the EC unit or containment by means of HEPA filtered device. The HEPA filtered air outlet (exhaust) must be routinely checked for particulates.

6. Badges and Parking:

- a. All Contractors must have a temporary ID badge issued by the VA Police, located in building 5C. Contractor is required to wear ID bage at all times when working in the hospital.
- b. It is the responsibility of the Contractor's personnel to park in the appropriate designated parking areas. Parking information is available from the individual VA Healthcare System Police Station

7. 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. Contractor must 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 will approve fire-stopping material and installation for each location. The contractor will provide the locations for the fire-stopping in each of the above ceiling permits for Engineering to inspect when complete.

8. Contractor Responsibilities:

- a. Contractor must comply with requirements specified in ICRA for areas of this quote. Temporary walling is required around the working area if the job site is close to or inside the clinical area or VA employees' working space.
- b. Contractor is required to follow the Hospital Infection control policy at all times when working in the Hospital. The infectious control policy will be presented to the contractor at pre-start safety meeting with safety and infectious control staff. It will also be detailed for each area in the ICRA plan. This is not only to protect the patients, employees and visitors but also to protect the contractor while he/she is working at VA Long Beach Healthcare System.
- c. The Contractor shall maintain personal liability and property damage insurance prescribed by the laws of the Federal Government. He/she shall take all precautions necessary to protect persons and property from injury or damage during the performance of this contract. He/she shall be responsible for any injury to himself/herself, his/her employees, or others, as well as for any damage to personal or public property that occurs during the performance of this contract that is caused by him/her or his/her employees fault or negligence.

- d. Contractor shall comply with all VA safety standards, manufacturers/industry standards, FDA, OSHA, TJC and the latest edition of NFPA-99.

9. Contractor Submittals/Insurance Requirements:

- a. The Contractor is required to comply with Federal and State Workers Compensation and liability insurance. Reference FAR clause 52.228-5-Insurance and Subpart 28.307-2-Liability.
- b. Within 15 days of the awarded contract, the Contractor shall furnish to the Contracting Officer certification from his/her insurance company indicating that the coverage has been obtained and that it may not be changed or cancelled without guaranteed thirty (30) day notice to the Contracting Officer. New certifications shall be furnished prior to the expiration date.

10. Place of Performance: VALB HCS; 5901 East 7th Street – Long Beach- CA- 90822.

11. Hours of Service: Normal hours of coverage will be Monday through Friday from 7:00am to 5:00pm, excluding federal holidays. There may be some areas that require after working hours.

12. National Holidays: The contractor is not required to provide service on the following National holidays, nor will the Contractor be paid for these holidays.

The following national holidays are observed by the Federal Government:

New Year's Day	January 1 st
Martin Luther King's Birthday	Third Monday in January
President's Day	Third Monday in February
Memorial Day	Last Monday in May
Independence Day	July 4 th
Labor Day	First Monday in September
Columbus Day	Second Monday in October
Veterans Day	November 11 th
Thanksgiving Day	4th Thursday in November
Christmas Day	December 25 th

13. Acceptance of Work: Non-conforming products or services will be rejected. Deficiencies will be corrected by the contractor within 5 business days of

rejection notice. If deficiencies cannot be corrected within 5 business days, the contractor must immediately inform the Contract Officer of the reason for the delay and provide a corrective action plan within 2 business days.

14. Authorized Service: Only those services specified within are authorized under this contract. Before permitting any service or repairs of a non-contract nature, the Contracting Officer must be advised of the reasons for this additional work. The Contractor is cautioned that only the Contracting Officer or his/her designee may authorize additional service or repairs that are outside of the scope of this contract and that reimbursement shall not be made unless prior authorization is obtained.

15. Changes: The Contractor is advised that only the Contracting Officer, acting within the scope of the contract has the authority to make changes which affect the contract in terms of quality, quantity, price or delivery.

In the event the Contractor effects any such change at the direction of any person other than the Contracting Officer, the change shall be considered to have been made without authority and no adjustment shall be made in the contract price to cover any increase in costs incurred as a result thereof.

16. Contracting Officer Representative (COR): Delegation of Authority letters shall be forwarded to the using service and the Contractor after agreement has been signed, identifying the individual(s) as the COR(s). No service shall be provided without the approval of the COR or his/her designee of this contract. The Contractor shall not accept any instructions issued by any other person(s) other than the Contracting Officer or his/her delegated representative acting within the limits of his/her authority.

17. Smoking Policy: Smoking is not permitted within or around the VA, except in designated areas.

18. VA Policy: Possession of weapons is prohibited. Enclosed containers, including tool kits, are subject to search. Violations of VA regulations may result in citations answerable in the United States (Federal) District Court.

B. CONFIDENTIALITY AND NONDISCLOSURE

It is agreed that:

1. The preliminary and final deliverables and all associated working papers, application source code, and other material deemed relevant by the VA which has been generated by the Contractor in the performance of this task order are the exclusive property of the U.S. Government and shall be submitted to the CO at the conclusion of the task order.

2. The CO will be the sole authorized official to release verbally or in writing, any data, the draft deliverables, the final deliverables, or any other written or printed materials pertaining to this task order. No information shall be released by the Contractor. Any request for information relating to this task order presented to the Contractor shall be submitted to the CO for response.

3. Press releases, marketing material or any other printed or electronic documentation related to this project, shall not be publicized without the written approval of the CO.