

PROJECT 692-12-206
SECURITY SYSTEM UPGRADES PHASE II
SORCC, WHITE CITY, OREGON

SCOPE OF WORK

The Southern Oregon Rehabilitation Center and Clinics (SORCC) located in White City Oregon is requiring a second phase security upgrade project to correct security deficiencies. The items being upgraded pertain to specific areas that are not in compliance with the VA Handbook 0730/2 Physical Security Requirements, which sets the standard for patient and employee safety.

Requirement Standards:

1. All original drawings and specifications shall be based on standard Department of Veterans Affairs guidelines, Program Guide PG-18-3 Design & Construction Procedures and Program Guide PG-18-15 A/E Submission Instructions for Minor & NRM Construction Program and all supplements listed herein. See Supplement "A" to this SOW for design requirements and construction timeline.
2. Drawings shall be done in plan view at a minimum scale of 1/8" = 1'-0", where necessary, and, generally, 1/4" = 1'-0" or larger. Details will be done in minimum scale of 1/4" = 1'-0" or larger. Drawings shall be independent for architectural, electrical, mechanical, etc., design and shall denote, on separate views, the required demolition and reconstruction details on the same sheet for each function, where possible. All building spaces where work is performed are to be included; attic, each floor and crawl space. The crawl space access/work space shall be explicitly shown and dimensioned. Drawings shall be prepared using the latest release of AutoCAD software on 24" X 36" plan sheets. All drawings in project set shall be on same type and size sheets.
3. All views, elevations, sections, etc., shall be complete to ensure total contractor compliance without fault to misunderstanding of incomplete or improper views, elevations, sections, nomenclatures, etc.
4. Specifications shall be based on Department of Veterans Affairs Master Construction Specifications with A/E revisions, additions, deletions, etc., required to assure all phases and facets of work are specifically covered without omission. The A/E will be responsible for reviewing the section requested to revise, add, delete, etc., prior to his typing the finished specification package. The Department of Veterans Affairs Master Construction Specifications provided must be thoroughly reviewed to delete and update reference items and Federal Specifications cited in order to make everything concurrent with the work performed; unnecessary items shall be deleted in total. The primary specifications must be thoroughly reviewed to delete items from the specifications that do not apply to the work to be performed. The intent is to provide a package that is suitable for the project to enable the contractor to perform the work in the best possible manner without reviewing unnecessary details.
5. Included in each Construction Section of the specification should be a paragraph entitled "Submittal of Samples and Shop Drawings." Under that Section, the A/E shall list all of the items within that particular section of the specifications for which samples and shop drawings are required, with the added words, "but not limited to."
6. A/E shall develop a "Submittal Register" based on the above specification sections. After submittals are reviewed for compliance, the A/E shall log them in the submittal register. A copy of the submittal register

will be returned with the submittals.

7. Information, including drawings and other documentation, provided to the A/E, shall be used for reference only. The A/E shall field check everything and shall not use any drawings provided for plan or elevation views. The final drawings submitted by the A/E shall be originals and shall be the result of his field check, and shall not be take-offs or tracings, for any drawings or other information provided.
8. Where multiplicity is referenced in the provided specifications, the A/E shall consult Facilities Management Service to eliminate such multiplicity. The contractor shall not be given alternatives or choices, but must provide specific items as detailed in the specifications. The A/E, during his visit with Facilities Management Service, shall obtain the name and type of materials currently used and necessary for use on the contract for which he is responsible. In the specifications, the items shall be named specifically with an add-on statement such as: "or approved equal." The only variation wherein that may occur is when an item cannot be substituted due to maintenance requirements at the VA SORCC. Information on such items shall be provided to the A/E by the Department of Veterans Affairs.
9. The A/E shall visit the site, as required, to obtain total details of the specifics required for the renovation work, including, but not limited to, demolition, architectural, mechanical, electrical, etc., in order to fully complete the drawings and specifications without omission. Such visit shall include thorough inspection of normally enclosed or inaccessible areas such as spaces above ceilings, within walls or chases and in pipe crawl spaces under basement floors. Where necessary, A/E shall arrange to have walls or ceilings broken or to have excavations made to physically determine existing conditions. Arrangements for visits shall be made by telephone to Chief, Facilities Management Service or his designee at (541) 826-2111 ext. 3355 with at least 24-hours advance notice.
10. The A/E shall retain copies of everything submitted. The intent of this requirement is to save time, whereby many questions can be resolved by telephone and to ensure that true copies are available in the event of loss or damage during the reproduction cycle. It will further assist in the consummation of contract awards in the event potential bidders uncover problems wherein A/E prepared amendments may be necessary.
11. All drawings shall contain the A/E's stamp with professional seal along with name and address of firm. All correspondence with Contracting Officer shall be signed by the Official of the A/E firm with whom contract was negotiated and may not be re-delegated to another person in the same firm.
12. The A/E shall also prepare an independent specifications section "SR - SPECIAL REQUIREMENTS," wherein detailed phasing of work to be accomplished will be described in sequential order. Section shall be prepared using standard format of other specification sections. All required interruptions of space and utilities will be carefully spelled out with time frames.
13. The following criteria will be used to develop the design (including but not limited to):

Master Construction Specifications	PG-18-1
http://www.cfm.va.gov/TIL/spec.asp	
Design & Construction Procedures	PG-18-3
VAMC Interior Design Standards	
Standard Details	PG-18-4
Equipment Guide List	H-7610
Hardware (Equipment) Symbols	H-08-6
VAMC Approved Hardware Locking Standards	H-08-6

Seismic Design Requirements	H-18-8
Space Planning Criteria	H-7610
VA Industrial Hygienist Requirements	
VAMC Asbestos Area Locations	
JCAHO Criteria	
NFPA Criteria	
VA Handbook 0730/2 Physical Security Requirements	
http://www1.va.gov/vapubs/viewPublication.asp?Pub_ID=488&FType=2	
Environmental compliance Manual	PG-18-17
A/E Submission Instructions	PG-18-15, vol. C

All VA specifications, design manuals, and other relevant information can be accessed at internet site <http://www.cfm.va.gov/>. Compliance to all known applicable codes will be reflected in the completed design and construction documents.

14. The A/E design shall comply with Federal guidelines concerning accommodations for the disabled.
15. When life safety is impacted, the A/E shall design interim life safety measures as part of the construction documents.

Security Requirements:

Prior to the commencing of work all on site workers must complete a background check and obtain either a SAC or NACI station badge.

Description of Work:

1. Security System Phase 2 consists of the following items. Items 1, 2 and 3 will constitute the base bid:
 - a. Item 1. Installation of a new dispatch center in the Police station. The workstation must meet the ANSI/HFES 100-2007 Human factor Engineering of Computers and Workstations National Ergonomics Standard guidelines which are used to accommodate the widest range of user size from 5th percentile seated female to 95th percentile standing male users.
 - b. Item 2. Upgrade current security system in building 208 upper north to meet the VA 0730/2 Physical Security requirements for long term patient archive records.
 - c. Item 3. Installation of a video system in the Infirmary area and patient pill line area building 211A, 211 lower north side and building 219 Canteen.
2. Items 4, 5 and 6 will be optional bid items. The complete scope of work for the optional items is located in the Attachment 3 of the solicitation. Pricing for each items will reflect the entire cost to provide all necessary material and labor to perform the item, if awarded.
 - a. Item 4. Network Cable Relocation Building 211-CR1A to Building 211-CR2A
 - b. Item 5. Network Cable Relocation Building 212-CR1A to Building 212-CR2A
 - c. Item 6. B201 Agent Cashier, upgrade area to meet the VA 0730/2 Handbook, Physical Security Requirement
3. Base Bid Item 1 Dispatch work station

Definition: The term “drop” refers to a single wire, conductor or cable.

Scope: This project is to replace the existing dispatch center with a newer more ergonomically designed dispatch command center; this center will provide the following criteria:

- a. Complies with the Green Globe certification program which affirms the product meets the criteria of the reference standard and the requirements of the specific certification program.
- b. Data dock which has USB, PS/2, Network, Serial, Audio, 2 phone jacks connectivity ports
- c. CPU cabinet which has an easy flip top access and slide out drawer for front access to the computer along with a climate control cooling fan system and a built-in interior lighting. The CPU cabinet will comply with the national ergonomic requirements ANSI/HFES 100-2007 Human factors Engineering of Computer workstations.
- d. Climate control forced air heater. **Example:** (1000w, 120Volt, 8.5amps with primary and secondary safe guards, illuminated on/off switch mounted to the work station, energy saving motion detector which turns of the heat if no presence is detected for 15 minutes, Commercial grade steel element, powder coat paint, no sharp metal edges, low profile design)
- e. Grounding will meet the current NEC grounding standards
- f. Task lights to have dimming / brightening capability
- g. Status indicator light with and easy “on/off” button that can be programmed for steady or flashing operation, buzzer kit, LED light, prism-cut lenses for superior light distribution, pole and base for mounting light
- h. Fixed, multiple power strips to meet the number of monitors and PCs at the console
- i. Dual surface power height adjustment for precise adjustment. Must meet the ANSI/HFES 100-2007 National Ergonomic Standard Compliance to achieve optimal sit-to-stand working posture in one system
- j. Waterfall edging for durability and safety
- k. Lifting capacity of 300 lbs or greater for each surface, static load capacity of 450 lbs or greater for each surface
- l. Collision detection system for user and equipment safety
- m. Adjustable monitor mounting system
- n. Durable steel construction
- o. Digital height controls
- p. Monitor view angle 15-25 degrees from horizontal eye level to the center of the screen
- q. Optimal visual adjustability 19” – 32” adjustment range from eyes to monitor
- r. Comprehensive Cable Management system will be organized, concealed and flexible cable management to adjust to the height adjustments of the work surfaces. Will include, but not be limited to, energy chain, J-Channel CPU Folding Arms, In-Panel Cable Management and Cable Round-up
- s. Monitor mounting array that will support ten, 19” LCD computer monitors in a landscape or portrait mounting configuration, provide proper and necessary monitor mounting hardware
- t. Seismic securing of the workstation to meet VA regulations
- u. Install four (4) new electrical branch circuits to the workstation area from the VA emergency electrical panel located in B2002 room 101, panel 202E
- v. Install twelve (12) new data/network drops from the ITOS network closet B202-101 to the new computer control cabinet location, which is part of the dispatch work station design. The data drops will include the required material needed ot install the product in a clean and neat workman-like manner. Wires will be CAT6 and tested with a passing certification report that will be given to the COR.
- w. The contractor will remove an existing “U” shape service counter 5’x14’ and mounting hardware

- x. The contractor will remove an existing half “none load bearing” wall, dimensions 4’ high, 6’ wide and 8” thick
- y. The contractor will repair and paint the walls to match the existing wall texture and color of the current area
- z. The existing counter at the greeting window will be removed and a new counter will be installed to work with the new workstation dimensions
- aa. One new dispatch chair which meets the ANSI/HFES 100-2007 National Ergonomic Standard Compliance to achieve optimal sit-to-stand working posture
- bb. The contractor will be required to provide and install fiber in the following locations
 - i. From B211A to B210 ITOS a 12 count fiber will need to be installed, provide and install 1 rack mount LIU
 - ii. From B211-CR2A to B210 ITOS a 12 count fiber will need to be provide and install 1 rack mount LIU
 - iii. From CC200-CR1E to B210 ITOS a 12 count fiber will need to be installed, provide and install 1 rack mount LIU
 - iv. From B210ITOS to B202 a 24 count fiber will need to be installed along with 1 rack mount LIU with appropriate bulk-heads
- cc. In the design all of the new electrical and network installations will be required to be installed in minimum 3/4” EMT conduit

4. Base Bid Item 2 Security System B208

Scope: The Veterans Records long term storage in building 208 upper north needs to meet the Physical Security Requirements and options of the VA Handbook 0730/2, Appendix B. The design will require the design requirements of sections 2B, 2C, 2D, 2E and 2K.

- a. Section 2B refers to Walls
- b. Section 2C refer to Doors and Door Locks
- c. Section 2D refers to Other Room Access Means
- d. Section 2E refers to Motion Intrusion Detectors
- e. Section 2K refers to Special Key Control

The new Security System monitoring devices and new programming will need to add to the VA Security System and be installed by a licensed Andover/Continuum representative.

The design scope of work will include but not be limited to all material and labor necessary to provide a complete operational system including sensors, programming, wire, conduit, junction boxes and all other materials needed to have a fully functional system. When the work is complete, system will be a fully functional system intergraded with the existing security system.

Note: Not all of the design sections of the VA 0730/2 Handbook will be applicable.

5. Base Bid Item 3 Video Surveillance System B211A, B211 and B219

Scope:

- a. Building 211A. Remove 8 pre-existing video cameras, video equipment and four monitors. The area has (8) existing cameras, the contractor will provide and install 6 new fixed position Digital IP Video cameras in (6) preselected interior locations and (2) preselected exterior locations. In the exterior locations the contactor will provide (2) PTZ Digital IP Cameras designed to meet cold weather applications “10 degrees F +/- 05 degrees F”.

- b. The contractor will provide and install (4) new 19" flat screen LCD video monitors or greater in two preselected locations. 1st location is at the front nurses' station and the 2nd is at the nurses location in the treatment room. **Note:** The contractor is required to design, provide and install the required CPU equipment with the required video cards to facilitate the requested video monitors in B211A location.
 - c. In eight existing locations remove the current 2' x 2' steel camera ceiling mounts and replace with new ceiling tiles to match the existing color, pattern and design of the existing ceiling.
 - d. Building 202 the contractor will provide and install (1) new 19" LCD video monitor at the new dispatch workstation area. The contractor will also provide all the required mounting hardware to mount the new monitor to the new dispatch work station monitor viewing support system. **Note:** In the design the contractor needs to verify the existing video equipment in building 202 room 101, I.T closet will support the additional video monitor, if not the contractor will need to provide the necessary equipment to fulfill this video requirement.
 - e. Building 211: install an interior Digital PTZ in the hallway outside the patient pill line service window.
 - f. Building 219: install (3) three new Digital PTZ cameras in the retail store area
6. The contractor will design, provide and install the required video equipment to integrate the new video surveillance equipment into the existing Milestone Video Platform Surveillance System. The designer will need to figure into the design the required material, conduit, wire, boxes, camera licenses, media converters, power supplies, video monitors, expansion rack and miscellaneous material. When work is complete the system will be a fully functional system integrated with the existing video surveillance system.
 7. The scope of work will include but not be limited to the design, wire, conduit, junction boxes, miscellaneous material and components needed to make this addition to the current VA Security System. When work is completed, system will be a fully functional system integrated with existing security system.
 8. The contractor will budget for 24 hours of dry wall and painting repairs
 9. The contractor must meet and provide proper chases when penetrating through firewalls and /or smoke barriers. Penetrations must comply with NFPA requirements and the contractor must obtain VA SORCC required permits for fire and smoke wall penetrations.
 10. In reference to the A/E design, the VA SORCC is requiring only a one-line drawing with references to any important details regarding the devices used in the video surveillance installation, dispatch work station, B208 records storage and B201 Agent Cashier areas,

Note: areas not required to have drawings is B211 and B212 network cable relocations
 11. The contractor will provide 4 hours of video surveillance training to the VA
 12. Selection of Optional Bid Items 4, 5 and 6 will be based on available funding. The price off each optional item is to reflect the scope of the optional item, only, and will be added to the price of the base bid if selected for award.
 - a. Optional Item #4: Relocate cable in building 211 rooms CR1a to B211 CR2A, see attachment "A"

- b. Optional Item #5. Relocate cable in building 212 rooms CR1A to B212 room CR2A, see attachment “A”
- c. Optional Item #6. The Agent Cashier in building 201 upper needs to meet the Physical Security Requirements and options of the VA Handbook 0730/2, Appendix B. the design will require the design requirements of section 2C, 2E, 2K and 2Q, see attachment “A”.