

District of Columbia Courts



Low Voltage Cabling & Paging C Street Addition H. Carl Moultrie Courthouse Phase 2B

J.26 Statement of Work

April 6, 2020

PART 1 - GENERAL

1.1 OVERVIEW

- A. District of Columbia Courts is in the process of expanding the H Carl Moultrie Courthouse with the C St. Expansion project in Washington, DC. This scope of work (SOW) includes the structured cabling system which consists of voice, data, and CATV cabling locations as shown on the drawings for this building as well as an extension of the paging system. Phase 2A of this project was completed in Q2 of 2019. This SOW is for the final phase of this project, Phase 2B.
1. The scope of work includes:
 - a. Provide all voice, data, and CATV cabling throughout the Phase 2B expansion as a total end-to-end structured cabling solution as described within the division 27 documents and as shown on the drawing sheets.
 - b. Provide all paging cabling, devices, and speakers throughout the Phase 2B expansion as a total end-to-end paging solution as described within the division 27 documents and as shown on the drawing sheets.
 - c. Provide the necessary parts and supplies whether specifically mentioned or not to turn over to the owner a complete system.
- B. The substantial completion date for all Phase 2B is approximately **May 31, 2021**.
- C. The accepted General Contractor Baseline Schedule is included in contract attachment J.23 GC Baseline Schedule.

1.2 DEFINITION OF TERMS

- A. Within this SOW, the following definitions shall apply:
1. The term "Owner" is used to indicate District of Columbia Courts or authorized representatives.
 2. The term "Architect" is used to indicate:
 - a. For the 2B Scope of Work, Beyer Blinder Belle Architects & Planners LLP.
 3. The term "Consultant" is used to indicate The Sextant Group, Inc.
 4. The term "Bidder" is used to indicate that entity generating the bid response.
 5. The term "Contractor" is used to indicate the successful Bidder to whom the Owner has awarded the contract.
 6. The term "General Contractor" is used to indicate Forrester Construction.
 7. The term "Electrical Contractor" is used to indicate: Aarow Electrical Solutions.
 8. The term "Furnish" is used to indicate the responsibility to ship or deliver the item to the job site, freight prepaid, for receipt, staging, and installation by others.
 9. The term "Install" or "Installation" is used to indicate the responsibility of receiving the item at the job site, providing adequate storage, unpacking or uncrating the item, physically securing the item or otherwise making ready the item for its intended use by following the instructions and approved methods of the manufacturer and those contained herein.
 10. The term "Provide" is used to indicate the responsibility to both "Furnish" and "Install".
 11. The term "OFICI" (Owner Furnished Contractor Installed) shall refer to equipment that will be furnished by the Owner for installation by the Contractor. The Contractor shall be responsible for installing and integrating this equipment as detailed herein.
 12. The term "Installation Materials" shall reference installed cable, loose cable, terminations, cable management, voice/data/video patch cords, adapters, panels, cable dressing, lacing bars, labels, rack mounted devices, power strips/distribution and other materials as needed to install the systems defined herein.

13. The term “shall” is mandatory; the term “will” is informative; and the term “should” is advisory.
14. Additional definitions are located within the Division 27 specifications.

1.3 QUALITY ASSURANCE

- A. The Contractor shall supply and install any incidental materials needed in order to result in a complete and operable structured cabling and paging system without claim for additional payment, even if such material is not explicitly listed or indicated as part of the SOW. Contractor shall clarify any potential scope gaps with their response.
- B. All work related to this SOW shall be completed in a professional manner by fully qualified workers. Additional qualifications are outlined in the original IDIQ solicitation and the Division 27 specifications.

PART 2 - PROJECT SCOPE

2.1 OVERVIEW

- A. The Selected Contractor shall provide complete, turnkey structured cabling and paging systems. These systems shall perform all of the functions as described herein and referenced in the attached drawings and specifications, together with all other apparatus, cable, material, design and installation labor, tools, transportation, and any other resources necessary to provide complete and functional systems.

2.2 WORK INCLUDED

- A. Specifically, the work shall include, but is not limited to:
 1. Coordination
 - a. Communicating and coordinating directly with the Owner representative(s), Architect, Technology Consultant, General Contractor, Electrical Contractor, and other trades as required to fulfill all requirements of this SOW.
 - b. Coordinating your work with other trades as needed.
 - c. Scheduling installation operations in sequence required in order to obtain best completion results.
 - d. Coordinating installation of different components to assure maximum accessibility for required maintenance, service, and repair.
 2. Cabling, Equipment, and Installation
 - a. Installing Owner furnished equipment as specified in the Division 27 specifications.
 - b. Coordinating with the Architect and Owner on color selection, and/or the painting of any exposed paging speakers or other exposed system components to match space finishes.
 - c. Providing all cutting, patching, caulking, fire caulking, and painting required to restore finishes if damaged during installation.
 - d. Ensuring compliance with all project LEED requirements and product submittals.
 3. Furniture
 - a. For Phase 2B, coordinating with the Architect, Owner and/or furniture supplier(s) as needed to ensure proper integration of the structured cabling systems and various furniture components. Coordinating the modification of conference tables as needed for the seamless integration of equipment.
 4. Testing, Training, Acceptance, and Warranty
 - a. As defined in the Division 27 specifications.
 5. Drawings.

- a. The TS-Series drawings apply to the C. Street Expansion Project. Bidders shall pay careful attention to the drawings and the solid black line delineating the Phase 2A work from Phase 2B. All scope of work for Phase 2B is indicated on the West side of the solid black line. The areas on the East side of the solid black line is work completed during the Phase 2A project and is provided for reference only.
- 1). Only telecommunications rooms located in Phase 2B will receive backbone cabling under this scope of work. Backbone cabling for telecommunications rooms located in the Phase 2A scope was previously installed under the Phase 2A project.

6. Applicable Specifications:

Section	Name	Date
27 0100	OPERATION AND MAINTENANCE OF COMMUNICATIONS SYSTEMS	04/06/20
27 0500	COMMON WORK RESULTS FOR COMMUNICATIONS	04/06/20
27 0526	GROUNDING AND BONDING FOR COMMUNICATIONS SYSTEMS	04/06/20
27 0529	HANGERS AND SUPPORTS FOR COMMUNICATIONS SYSTEMS	04/06/20
27 0553	IDENTIFICATION FOR COMMUNICATION SYSTEMS	04/06/20
27 0800	COMMISSIONING COMMUNICATIONS SYSTEMS	04/06/20
27 1100	COMMUNICATIONS ROOMS EQUIPMENT FITTINGS	04/06/20
27 1300	COMMUNICATIONS BACKBONE CABLING	04/06/20
27 1500	COMMUNICATIONS HORIZONTAL CABLING	04/06/20
27 1600	COMMUNICATIONS CONNECTING CORDS, DEVICES, AND ADAPTERS	04/06/20
27 7500	COMMON WORK FOR DISTRIBUTED AMPLIFIED PAGING SYSTEM	04/06/20

7. Applicable Drawings:

Sheet	Name	Date
PHASE 2B		
TS0.01	TELECOM CABLING NOTES AND LEGENDS PHASE 2	04/06/20
TS4.01	TELECOM CABLING BUILDING RISER PHASE 2	04/06/20
TS4.02	TELECOM CABLING BUILDING RISER PHASE 2	04/06/20
TS4.03	TELECOM CABLING BUILDING RISER PHASE 2	04/06/20
TS4.04*	TELECOM CABLING PAGING RISER PHASE 2	04/06/20
TS4.05	TELECOM CABLING PAGING RISER PHASE 2	04/06/20
TS7.01	TELECOM CABLING ROOMS PHASE 2	04/06/20
TS7.02	TELECOM CABLING ROOMS PHASE 2	04/06/20
TS7.03	TELECOM CABLING ROOMS PHASE 2	04/06/20
TS7.04	TELECOM CABLING ROOMS PHASE 2	04/06/20
TS8.01A*	TELECOM CABLING C STREET LEVEL WEST PLAN PHASE 2	04/06/20
TS8.01B	TELECOM CABLING C STREET LEVEL EAST PLAN PHASE 2	04/06/20
TS8.02A*	TELECOM CABLING JOHN MARSHALL LEVEL WEST PLAN PHASE 2	04/06/20
TS8.02B	TELECOM CABLING JOHN MARSHALL LEVEL EAST PLAN PHASE 2	04/06/20
TS8.03A*	TELECOM CABLING INDIANA LEVEL WEST PLAN PHASE 2	04/06/20
TS8.04B	TELECOM CABLING INDIANA LEVEL EAST PLAN PHASE 2	04/06/20
TS8.04A*	TELECOM CABLING SECOND LEVEL WEST PLAN PHASE 2	04/06/20
TS8.04B	TELECOM CABLING SECOND LEVEL EAST PLAN PHASE 2	04/06/20
TS8.05A*	TELECOM CABLING THIRD LEVEL WEST PLAN PHASE 2	04/06/20
TS8.05B	TELECOM CABLING THIRD LEVEL EAST PLAN PHASE 2	04/06/20
TS8.06A*	TELECOM CABLING FOURTH LEVEL WEST PLAN PHASE 2	04/06/20
TS8.06B	TELECOM CABLING FOURTH LEVEL EAST PLAN PHASE 2	04/06/20

* The majority of the scope of work for for Phase 2B is indicated on the East Plans (TS8.0xB). The West Plans (TS8.0xA) documenting the work for Phase 2A are provided for reference only. Refer to the scope line on all drawings indicating the delineation between Phase 2A and Phase 2B.

2.3 WORK EXCLUDED FROM SOW

A. Work not included under this SOW shall be:

1. Providing conduit, power receptacles, junction boxes, cable raceways, electrical back-boxes, floor boxes, lighting fixtures, lighting dimming systems, blocking, unistrut or equal hardware, strapping or millwork except where otherwise specified herein or on infrastructure drawings accompanying this SOW.
2. Providing data and voice active network electronics or cable television service.
3. Providing modifications to conference tables, special construction, millwork, rough or finished trim unless otherwise specified herein.

PART 3 - PROJECT CLOSEOUT

3.1 DOCUMENTATION

- A. All as-built documentation shall be completed per Division 27 specifications.

3.2 TRAINING

- A. All training shall be completed per Division 27 specifications.

3.3 SYSTEM ACCEPTANCE

- A. All testing and documentation shall be completed per Division 27 specifications.

END OF SOW