SECTION 01 10 00 – SUMMARY OF WORK - Addendum 2 (Revision 3)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

B. Geotechnical Engineering Report, Sampson County 911 and Emergency Services Facility, Clinton, North Carolina, S&ME Project No. 1305-20-023 is included in this Project Manual.

1.2 WORK COVERED BY CONTRACT DOCUMENTS

A. Project Identification: Project consists of a one-story, approximately 37,000 square foot facility containing 911 Response and Emergency Services facilities for Sampson County.
   1. Project Location: 530 Commerce Street, Clinton, North Carolina 28328
   2. Owner: Sampson County

B. Architect Identification: The Contract Documents, date indicated on the Contract Documents, were prepared for Project by ADW Architects, P. A., 2815 Coliseum Centre Drive, Suite 500 Charlotte, North Carolina 28217. Phone:(704) 379-1919.

C. Project Coordinator: Mr. L. E. Reynolds, P.E., Sampson County Public Works Director has been appointed by Owner to serve as Project Coordinator.

D. The Work consists of a new one-story facility in three sections; the 911 building, the EMS Wing, and the Main Building, all to be constructed in this contract.

   1. The Site Work for the Project includes extensive amounts of;

      a. Site Preparation as recommended in Section 6.2.1 and 6.2.2 of the Geotechnical Report.
      b. Subgrade Stabilization as recommended in Section 6.2.2 of the Geotechnical Report.
         1) Temporary and Permanent Drainage Ditches
         2) Chemical Stabilization
      c. Subgrade Evaluation and Repair as recommended in Section 6.2.3 of the Geotechnical Report.
      d. Structural Fill Placement and Compaction as recommended in Section 6.2.4 of the Geotechnical Report.
      e. Treatment of Excavations as recommended in Section 6.2.5 of the Geotechnical Report.
      f. General and Finished Grading,
      g. Erosion Control,
      h. Site Utilities,
      i. Asphalt and concrete parking areas.
      j. Fences and Gates,
      k. Landscaping.

2. The Work includes a concrete slab on grade and building structure with a combination of masonry bearing walls and structural steel framing. The exterior consists masonry, aluminum composite panels, and prefinished metal panel system with aluminum storefront, curtain wall, and bullet-resistant storefront window systems and single-ply fully-adhered PVC roof membrane.

3. Foundations, floor slabs, asphalt pavements, and concrete pavements shall conform to recommendations of the Geotechnical Report.

4. The project has been re-classified as **Seismic Site Class D**.

5. Interior finishes include a combination of gypsum wallboard on metal studs or furring channels and painted block walls. Porcelain wall tile and base are in restrooms and showers. Acoustical and gypsum board ceilings. Floors finishes include vinyl composition tile, luxury vinyl tile, carpet tile, porcelain tile, resinous epoxy coating, and static dissipative carpet tile and static dissipative vinyl tile on access floor.

6. The project includes wet-pipe, dry-pipe exterior, dry-pipe pre-action, and clean-agent fire sprinkler systems for fire protection.

7. HVAC systems:

    a. 911 Building: Redundant Roof-Top Units DX Cooling with Gas Heat and CRAC Units in the Server Room.
    b. Main Building: Roof-Top Units DX Cooling with Gas Heat
    c. EMS Wing: Roof-Top Units DX Cooling with Gas Heat Constant Volume and Infrared Heaters in the Vehicle Bays without Cooling.

8. Electrical Systems:

    a. Site Lighting
    b. Grounding
    c. Building Lighting
    d. Power
    e. Diesel Emergency Generators
    f. Uninterrupted Power Supplies
    g. Special Systems
        1) Fire Alarm
        2) Cable Tray
        3) Raceway for owner-provided systems
            a) Telephone
            b) Data
            c) Audio/Visual
            d) Access Control
            e) CCTV
            f) Systems Furniture

9. Plumbing Systems:

    a. Roof Drainage
    b. Floor Drains to daylight
    c. Sanitary Waste Drainage
    d. Domestic Water Supply
    e. Fire Protection Water

f. Compressed Air
g. Gas and Electric Water Heaters
h. Plumbing Fixtures
i. Equipment Plumbing

1.3 CONTRACT

A. Project will be constructed under a Single Prime Lump Sum Contract.

1.4 WORK SEQUENCE

A. The Work shall be conducted in the following sequences unless construction phases otherwise specified.
   1. Construct Work in phases to accommodate the Owner's use; if applicable, of the premises during the construction period; coordinate the construction schedule and operations with the Owner.

1.5 SITE INVESTIGATION

A. The Contractor acknowledges that he has satisfied himself as to the nature and location of the Work, the general and local conditions, particularly those bearing upon transportation, disposal, handling and storage of materials, availability of labor, water, electric power, roads and uncertainties of weather, ground water table or similar physical conditions at the site, the conformation and condition of the ground, the character, quality and quantity of surface and subsurface materials to be encountered, the character of equipment and facilities needed prior to and during the performance of the Work and all other matters which can in any way affect the Work or the cost thereof under this Contract. Any failure by the Contractor to acquaint himself with all the available information concerning these conditions will not relieve him from responsibility for estimating properly the difficulty or cost of successfully performing the Work.

1.6 USE OF PREMISES

A. Vacant Site:
   1. General: Contractor shall have full use of premises for construction operations, including use of Project site, during construction period. Contractor's use of premises is limited only by Owner's right to perform work or to retain other contractors on portions of Project.

B. Partial Owner Occupancy
   1. The Owner reserves the right of partial occupancy or use of facilities, services, and utilities, prior to Substantial Completion, without implying completion or acceptance of any part of the Project.
   2. Prior to such occupancy or use, procedures as outlined in Section 01 77 00, "Closeout Procedures" will be adhered to.
   3. The Contractor shall provide access to the building for the Owner's personnel plus provide the correct operation of the heating, ventilation, and air conditioning, and electrical system. Provide for the correct operation of the elevator system for the Owner's use.
   4. The Contractor shall also permit the Owner to place and install, or to have other Contractors place and install, as much equipment during the progress of the Work as is possible before the final acceptance of the various parts of the Work, and shall coordinate

such placing and installation of the equipment, so that it does not in any way whatever interfere with the progress of the Work or any portion of it.

C. Owner Occupancy
   1. Owner will occupy the premises during the entire period of construction to conduct his normal operations. Cooperate with Owner in all construction operations to minimize conflict, and to facilitate Owner usage.
   2. Contractor shall at all times conduct his operations as to insure the least inconvenience and the greatest amount of safety and security for the Owner, his staff, and the general public.

1.7 PROTECTION REQUIREMENTS FOR NEW AND EXISTING CONSTRUCTION

A. Exercise the utmost care to protect all existing utility lines from damage during the progress of the Work.

B. Provide and erect before any work begins, and maintain during the progress of the Work, all necessary fences, warning signals, signs and lights. Extent of this work and details of construction shall be in accordance with the requirements of all state and local codes.

C. Any portion of existing infrastructure or existing utility services not included as part of this Contract or any portion of the Work damaged because of failure to provide the protection required shall be removed and replaced with new materials and construction at the Contractor's expense. This work shall be accomplished subject to the Architect's and Owners' approval.

1.8 REPLACEMENT AND REPAIR OF ANY STRUCTURES THAT HAVE BEEN DESTROYED IN THE PROGRESS OF THE WORK:

A. Because of the installation of the new items of equipment, fixtures, materials, etc., that are required by this Project, it shall become necessary to remove portions of the existing roadway and/or utility services. Unless specifically noted otherwise on the Drawings, the Contractor shall be responsible for replacing, in a condition of identical appearance, construction, design, working order, and strength as its previous state, any such portion of the existing roadway and/or utility services so required to be disturbed. The replaced item shall meet the approval of the Architect before final approval of the Project is given.

1.9 WORK UNDER OTHER CONTRACTS

A. Separate Contract: Owner will award separate contracts for performance of certain construction operations at Project site. Those operations will be conducted simultaneously with work under this Contract. This contract will include, but are not limited to, the following:
   1. 911 Dispatching Workstations: A separate contract will be awarded to a Vendor/Installer for the 911 Dispatching Workstations to be determined.
   2. Electronics: Separate contracts will be awarded to various Vendor/Installers for Access Control, CCTV, Telephony, 911 Dispatching Electronic Equipment, Radio Tower, Audio Visual Equipment and the cabling of these systems. The providing of conduit, other raceway, and grounding of these systems as indicated is the Work of the Contractor.
   3. Furniture: A separate contract will be awarded to a Vendor/Installer to be determined.

B. Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract.

1.10 PRODUCTS ORDERED IN ADVANCE

A. General: Owner has negotiated Purchase Orders with suppliers of material and equipment to be incorporated into the Work. Owner has assigned these Purchase Orders to Contractor. Costs for receiving, handling, storage if required, and installation of material and equipment are included in the Contract Sum.
   1. Contractor's responsibilities are the same as if Contractor had negotiated Purchase Orders, including responsibility to renegotiate purchase and to execute final Purchase-Order agreements.
   2. The Schedule of Products Ordered in Advance is included at the end of this Section.

1.11 OWNER-FURNISHED PRODUCTS

A. Owner will furnish Kitchen Equipment, Laundry Equipment, Office Furniture and Equipment, and other equipment indicated. The Work includes providing support systems to receive Owner's equipment and plumbing, mechanical, and electrical connections.
   1. Owner will arrange for and deliver Shop Drawings, Product Data, and Samples to Contractor.
   2. Owner will arrange and pay for delivery of Owner-furnished items according to Contractor's Construction Schedule.
   3. After delivery, Owner will inspect delivered items for damage. Contractor shall be present for and assist in Owner's inspection.
   4. If Owner-furnished items are damaged, defective, or missing, Owner will arrange for replacement.
   5. Owner will arrange for manufacturer's field services and for delivery of manufacturer's warranties to Contractor.
   6. Owner will furnish Contractor the earliest possible delivery date for Owner-furnished products. Using Owner-furnished earliest possible delivery dates, Contractor shall designate delivery dates of Owner-furnished items in Contractor's Construction Schedule.
   7. Contractor shall review Shop Drawings, Product Data, and Samples and return them to Architect noting discrepancies or anticipated problems in use of product.
   8. Contractor is responsible for receiving, unloading, and handling Owner-furnished items at Project site.
   9. Contractor is responsible for protecting Owner-furnished items from damage during storage and handling, including damage from exposure to the elements.
   10. If Owner-furnished items are damaged as a result of Contractor's operations, Contractor shall repair or replace them.
   11. The following is a list of Owner Furnished Contractor Installed (OFCI) products:
      a. Refrigerator, Room 124
      b. Commercial Refrigerator, Room 053
      c. Commercial Freezer, Room 053
      d. Bulk Ice Maker, Room 057
      e. Ice Maker/Dispenser, Room 053
      f. Dishwasher, Room 124
      g. Disposal, Room 124
      h. Dishwasher, Room 053
      i. Disposal, Room 053
      j. Microwaves, Room 053(2)
      k. Microwave, Room 124
      l. Gas Oven, Room 053
      m. Oven/Range, Room 124
      n. Range Hood/Light, Room 124
      o. Outdoor Gas Grill, Patio

p. Washer, Room 026
q. Dryer, Room 026
r. Commercial Washer Extractor, Room 203
s. Gas Commercial Tumbler Dryer, Room 203
t. Air Compressor, Room 202
u. Vehicle Vacuum, Room 207
v. Water Hose Reels, Rooms 201(2), 207(1), 209(2), Patio

1.12 SPECIFICATION FORMATS AND CONVENTIONS

A. Specification Format: The Specifications are organized into Divisions and Sections using the 49-division format and CSI/CSC's "MasterFormat" numbering system.
   1. Section Identification: The Specifications use section numbers and titles to help cross-referencing in the Contract Documents. Sections in the Project Manual are in numeric sequence; however, the sequence is incomplete. Consult the table of contents at the beginning of the Project Manual to determine numbers and names of sections in the Contract Documents.

B. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
   1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred as the sense requires. Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates.
   2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.
      a. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 10 00

SECTION 01 29 00 - PAYMENT PROCEDURES - Addendum #2 (Revision 3)

PART 1 - GENERAL

1.1 SUMMARY

A. This Section specifies administrative and procedural requirements necessary to prepare and process Applications for Payment.

1.2 SCHEDULE OF VALUES

A. Coordination: Coordinate preparation of the Schedule of Values with preparation of Contractor's Construction Schedule.
   1. Correlate line items in the Schedule of Values with other required administrative forms and schedules, including Submittals Schedule and Application for Payment forms with Continuation Sheets.
   2. Submit the Schedule of Values to Architect at earliest possible date but no later than seven days before the date scheduled for submittal of initial Applications for Payment.
   3. Sub-schedules: Where the Work is separated into phases requiring separately phased payments, provide sub-schedules showing values correlated with each phase of payment.
   4. Separate all line items for materials and labor required for the construction of the 911 Building into categories distinct from the remainder of the building.

B. Format and Content: Use the Project Manual table of contents as a guide to establish line items for the Schedule of Values. Provide at least one-line item for each Specification Section.
   1. Identification: Include the following Project identification on the Schedule of Values:
      a. Project name and location.
      b. Name of Architect.
      c. Architect's project number.
      d. Contractor's name and address.
      e. Date of submittal.
   2. Arrange the Schedule of Values in tabular form with separate columns to indicate the following for each item listed:
      a. Related Specification Section or Division.
      b. Description of the Work.
      c. Change Orders (numbers) that affect value.
      d. Dollar value.
         1) Percentage of the Contract Sum to nearest one-hundredth percent, adjusted to total 100 percent.
   3. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Coordinate with the Project Manual table of contents. Provide several line items for principal subcontract amounts, where appropriate.
   4. Round amounts to nearest whole dollar; total shall equal the Contract Sum.
   5. Provide a separate line item in the Schedule of Values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.
   6. Provide separate line items in the Schedule of Values for initial cost of materials, for each subsequent stage of completion, and for total installed value of that part of the Work.

7. Allowances: Provide a separate line item in the Schedule of Values for each allowance. Show line-item value of unit-cost allowances, as a product of the unit cost, multiplied by measured quantity. Use information indicated in the Contract Documents to determine quantities.
8. Each item in the Schedule of Values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.
   a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the Schedule of Values or distributed as general overhead expense, at Contractor's option.
9. Schedule Updating: Update and resubmit the Schedule of Values before the next Applications for Payment when Change Orders or Construction Change Directives result in a change in the Contract Sum.

1.3 APPLICATIONS FOR PAYMENT

A. Each Application for Payment shall be consistent with previous applications and payments as certified by Architect and paid for by Owner.
   1. Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involve additional requirements.

B. Payment Application Times: The date for each progress payment is indicated in the Agreement between Owner and Contractor. The period of construction Work covered by each Application for Payment is the period indicated in the Agreement.

C. Payment Application Forms: Use AIA Document G702 and AIA Document G703 Continuation Sheets as form for Applications for Payment.

D. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Architect will return incomplete applications without action.
   1. Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions were made.
   2. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.

E. Transmittal: Submit a minimum of 3, or number agreed upon at pre-construction meeting, signed and notarized original copies of each Application for Payment to Architect by a method ensuring receipt. One copy shall include waivers of lien and similar attachments if required.
   1. Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.

F. Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's lien from every entity who is lawfully entitled to file a mechanic's lien arising out of the Contract and related to the Work covered by the payment.
   1. Submit partial waivers on each item for amount requested in previous application, after deduction for retainage, on each item.
   2. When an application shows completion of an item, submit final or full waivers.
   3. Owner reserves the right to designate which entities involved in the Work must submit waivers.

4. Submit final Application for Payment with or preceded by final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.

G. Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:
1. List of subcontractors.
2. Schedule of Values.
3. Contractor's Construction Schedule (preliminary if not final).
4. Submittals Schedule (preliminary if not final).
5. List of Contractor's staff assignments.
6. Copies of building permits.
7. Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.
8. Certificates of insurance and insurance policies.
9. Performance and payment bonds.
10. Data needed to acquire Owner's insurance.

H. Application for Payment at Substantial Completion: After issuing the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.
1. Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum.
2. This application shall reflect Certificates of Partial Substantial Completion issued previously for Owner occupancy of designated portions of the Work.

I. Final Payment Application: Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:
1. Evidence of completion of Project closeout requirements.
2. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
3. Updated final statement, accounting for final changes to the Contract Sum.
4. AIA Document G706, "Contractor's Affidavit of Payment of Debts and Claims."
5. AIA Document G706A, "Contractor's Affidavit of Release of Liens."
6. AIA Document G707, "Consent of Surety to Final Payment."
7. Evidence that claims have been settled.
8. Final meter readings for utilities, a measured record of stored fuel, and similar data as of date of Substantial Completion or when Owner took possession of and assumed responsibility for corresponding elements of the Work.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 29 00