

EXHIBIT B

SCOPE OF SERVICES

Consultant intends to provide programming and complete architectural and engineering services, see Exhibit Bii for project specific scope of services.

Consultant's services will be as specifically described below:

ALL PHASES:

1. PROJECT ADMINISTRATION AND MANAGEMENT SERVICES

1.1. Project Administration services consisting of administrative functions including:

- 1.1.1. Project Decision Structure
- 1.1.2. Project Directory
- 1.1.3. Consultation
- 1.1.4. Research
- 1.1.5. Communications; Meeting Minutes, Meeting Agendas (For meetings called by Consultant during the Design phases of the project)
- 1.1.6. Direction of the work of architectural, engineering and other consultant personnel

1.2. Disciplines Coordination/Document Checking consisting of:

- 1.2.1. Coordination between the architectural work and the work of engineering and their disciplines involved in the Project.
- 1.2.2. Review and checking of documents prepared for the Project by the Consultant and the Consultant's Consultants.

1.3. Agency Consulting/Review/Approval services, including:

- 1.3.1. Agency consultants
 - 1.3.1.1. County agencies
 - 1.3.1.2. Regional agencies
 - 1.3.1.3. State agencies
- 1.3.2. Research of critical applicable regulations.
- 1.3.3. Preparation of written and graphic explanatory materials.

1.4. Owner Coordination, including:

- 1.4.1. Review and coordination of data furnished for the Project as a responsibility of the Owner.

1.5. Schedule Development/Monitoring Services, including:

- 1.5.1. Participate in establishment and updating of design schedule in conjunction with CM for the performance of the Architect's services throughout the design of the project. Key decision making points will be identified on this schedule.

1.6. Presentation services consisting of presentations and recommendations by the Consultant to the following client representatives:

1.6.1. Board of County Commissioners

1.6.2. Executive Task Force

1.6.3. User group(s)

1.6.4. Construction Manager/Contractor

PHASE I PROGRAMMING & MASTER PLANNING

2. NEEDS ASSESSMENT/ DATA COLLECTION

2.1. Space Needs Assessments

2.1.1. Parking Analysis

2.2. Analysis of the site and its surroundings to include the following:

2.2.1. Land Utilization

2.2.2. Building locations

2.2.3. Utility Systems

2.2.4. Surface and subsurface conditions (By Owner)

2.2.5. Vegetation (By Owner)

2.2.6. Survey (By Owner)

2.2.7. Land Use Restrictions

2.2.8. Historical analysis

2.2.9. Stormwater retention/detention areas

3. FUNCTIONAL PROGRAMMING

3.1. Prepare a detailed architectural program based on the scope established in Phase I to include the following services:

3.1.1. Functional Requirements Analysis

3.1.2. Interior Development Guidelines

3.1.3. Space Standards

3.1.4. Preliminary Program Space Estimates

3.1.5. Space and Equipment Program

3.1.6. Special Building System Requirements

3.1.7. Micro-Adjacency Requirements

3.1.8. Prepare Final Draft Program

3.1.9. Prepare Final Program Report

~~4. Intentionally Omitted~~

~~4.1.1~~

PHASE II: DESIGN/ BIDDING/CONSTRUCTION ADMINISTRATION SERVICES

5. DESIGN SERVICES

5.1. Architectural Design/Documentation:

- 5.1.1. During the Schematic Design Phase, responding to program requirements and preparing:
 - 5.1.1.1. Conceptual Planning/Massing Options
 - 5.1.1.2. Final Conceptual Site and Building Plans
 - 5.1.1.3. Preliminary Sections and Elevations
 - 5.1.1.4. Preliminary Selection of Building Systems and Materials
 - 5.1.1.5. Development of Approximate Dimensions, Areas and Volumes
 - 5.1.1.6. Perspective sketch – eye level
 - 5.1.1.7. Study model
- 5.1.2. During the Design Development Phase consisting of continued development and expansion of architectural Schematic Design Documents to establish the final scope, relationships, forms, size and appearance of the Project through:
 - 5.1.2.1. Plans, sections and elevations
 - 5.1.2.2. Typical construction details
 - 5.1.2.3. Three-dimensional sketch
 - 5.1.2.4. Study model
 - 5.1.2.5. Final materials selection
 - 5.1.2.6. Equipment layouts
- 5.1.3. During the Contract Documents phase consisting of preparation of Drawings and specifications based on approved Design Development documents setting forth in detail the architectural construction requirements for the Project.

5.2. Structural Design/Documentation:

- 5.2.1. During the Schematic Design Phase consisting of recommendations regarding basic structural materials and systems, analyses, and development of conceptual design solutions for:
 - 5.2.1.1. A structural system
 - 5.2.1.2. Alternate structural systems, if required
- 5.2.2. During the Design Development phase consisting of continued development of the specific structural system and Schematic Design documents in sufficient detail to establish:
 - 5.2.2.1. Basic structural system and dimensions
 - 5.2.2.2. Final structural design criteria

5.2.2.3.Foundation design criteria

5.2.2.4.Preliminary sizing of major structural components

5.2.2.5.Critical coordination clearances

5.2.3. During the Contract Documents phase consisting of preparation of final structural engineering calculations, Drawings and Specifications based on approved Design Development documents, setting forth in detail the structural construction requirements for the Project.

5.3. Mechanical Design/Documentation:

5.3.1. During the Schematic Design phase, prepare a narrative, consisting of consideration of alternate materials, systems and equipment, and development of conceptual design solutions for:

5.3.1.1.Energy source(s)

5.3.1.2.Energy conservation and controls system concepts

5.3.1.3. Heating and ventilating (systems selections and conceptual sizing and configuration analysis.)

5.3.1.4. Air conditioning (systems selections and conceptual sizing and configuration analysis.)

5.3.1.5.Plumbing

5.3.1.6.Fire protection

5.3.1.7.General space requirements

5.3.2. During the Design Development phase consisting of continued development and expansion of mechanical Schematic Design documents and development of outline Specifications or materials lists to establish:

5.3.2.1.Approximate equipment sizes and capacities

5.3.2.2.Preliminary equipment layouts

5.3.2.3.Required space for equipment

5.3.2.4.Required chases and clearances

5.3.2.5.Acoustical and vibration control

5.3.2.6.Visual impacts

5.3.2.7.Energy conservation measures

5.3.3. During the Contract Documents phase consisting of preparation of final mechanical engineering calculations, Drawings and Specifications based on approved Design Development documents, setting forth in detail the mechanical construction requirements for the Project.

5.4. Electrical Design/Documentation

5.4.1. During the Schematic Design Phase, prepare a narrative, consisting of consideration of alternate systems, recommendations regarding basic

electrical materials, systems and equipment, analyses, and development of conceptual solutions for:

5.4.1.1.Power service and distribution

5.4.1.2.Lighting

5.4.1.3.Communication and data infrastructure and outlet location systems

5.4.1.4.Fire detection and alarms

5.4.1.5.General space requirements

5.4.1.6.Audio/Visual systems

5.4.2. During the Design Development phase consisting of continued development and expansion of electrical Schematic Design documents and development of outline Specifications or materials lists to establish:

5.4.2.1.Criteria for lighting, electrical and communications systems

5.4.2.2.Approximate sizes and capacities of major components

5.4.2.3.Preliminary equipment layouts

5.4.2.4.Required space for equipment

5.4.2.5.Required chases and clearances

5.4.3. During the Contract Documents phase, consisting of preparation of final electrical engineering calculations, Drawings and Specifications based on approved Design Development documents, setting forth in detail the electrical requirements for the Project.

5.5. Civil Design/Documentation:

5.5.1. During the Schematic Design phase consisting of consideration of alternate materials and systems and development of conceptual design solutions for:

5.5.1.1.On-site utility systems

5.5.1.2.Fire protection systems

5.5.1.3.Drainage systems

5.5.1.4.Paving

5.5.2. During the Design Development phase consisting of continued development and expansion of civil Schematic Design documents and development of outline Specifications or materials lists to establish the final scope of and preliminary details for on-site civil engineering work.

5.5.3. During the Contract Documents phase, consisting of preparation of final civil engineering calculations, Drawings and Specifications based on approved Design Development documents, setting forth in detail the civil construction requirements for the Project.

5.5.4. Permit applications required for Water Distribution, Sewage Collection and Stormwater/Environment Management (Local, State, and Federal) shall be prepared for execution by the Owner. Permit applications to be paid by

Owner. All necessary reports and drawings will be prepared to accompany the permit applications. Two meetings per agency as required to secure permits is included in services. County shall designate individual who has authority to sign permit applications.

5.6. Landscape Design/Documentation:

- 5.6.1. During the Schematic Design phase, prepare narrative conceptual design solutions, which will be developed for land forms, hardscape, lawns and plantings based on program requirements, physical site characteristics, design objectives and environmental determinants.
- 5.6.2. During the Design Development phase, Schematic Design documents will be further developed including outline Specifications and materials lists to establish final scope and preliminary details for landscape work.
- 5.6.3. During the Contract Documents phase, the Drawings and Specifications based on approved Design Development documents, setting forth in detail the landscape and hardscape construction requirements for the Project will be prepared.

5.7. Interior Design/Documentation:

- 5.7.1. During the Schematic Design phase consisting of space allocation and departmental utilization plans based on functional relationships:
 - 5.7.1.1. Types and qualities of finishes and materials for furniture, furnishings, and equipment.
- 5.7.2. During the Design Development phase consisting of continued development and expansion of interior Schematic Design documents and development of outline Specifications or materials lists to establish final scope and preliminary details relative to:
 - 5.7.2.1. Interior construction of the Project
 - 5.7.2.2. Special interior design features
 - 5.7.2.3. Space planning
 - 5.7.2.4. Materials, finishes and colors
 - 5.7.2.5. Furniture and equipment layouts
- 5.7.3. During the Contract Documents phase consisting of preparation of Drawings, Specifications and other documents based on approved Design Development documents, setting forth in detail the requirements for interior construction and furniture, furnishings and equipment for the Project.

5.8. Environmental Graphic Design Services: The scope shall include interior and exterior sign types and graphic elements to provide a comprehensive and cohesive signage and wayfinding system for users of the facility.

- 5.8.1. Design Development:
 - 5.8.1.1. Consider design approaches; determine elements needed for identity, information and wayfinding.

- 5.8.1.2.Begin development of sign prototypes.
- 5.8.1.3.Develop preliminary location plans.
- 5.8.2. Construction document preparation.
- 5.8.3. Construction observation and submittal review.
- 5.8.4. Interior sign types to include:
 - 5.8.4.1.Primary room ID (changeable name inserts in some locations).
 - 5.8.4.2.Restroom ID.
 - 5.8.4.3.Stairway ID and stairway level ID.
 - 5.8.4.4.Building Code required ID.
 - 5.8.4.5.Fire exit plan.
 - 5.8.4.6.Building directories.
- 5.8.5. Exterior sign types include:
 - 5.8.5.1.Main entrance identification.
 - 5.8.5.2.Vehicular directional.
 - 5.8.5.3.Regulatory / Warning identification.
 - 5.8.5.4.Parking areas; handicap parking, authorized vehicles, visitor parking, etc.

5.9. Materials Research/Specifications:

- 5.9.1. During the Schematic Design phase consisting of:
 - 5.9.1.1.Identification of potential materials, systems and equipment and their criteria and quality standards consistent with the conceptual design.
 - 5.9.1.2.Investigation of availability and suitability of alternative materials, systems and equipment.
- 5.9.2. During the Design Development phase consisting of activities by in-house personnel in:
 - 5.9.2.1.Development of architectural and engineering project specific draft Specifications or itemized lists and brief form identification of significant architectural materials, systems and equipment, including their criteria and quality standards.
 - 5.9.2.2.Coordination of similar activities of other disciplines.
 - 5.9.2.3.Production of design manual including design criteria and outline specifications or material lists.
- 5.9.3. During the Contract Documents phase consisting of activities of in-house architectural personnel in:
 - 5.9.3.1. Review of the development and preparation of bidding and procurement information prepared by the Construction Manager.

- 5.9.3.2. Assistance to the Owner and their agents in review of the Conditions of the Contract (General, Supplementary and other Conditions).
 - 5.9.3.3. Development and preparation of architectural Specifications describing materials, systems and equipment, workmanship, quality and performance criteria required for the construction of the Project.
 - 5.9.3.4. Coordination of the development of Specifications by other disciplines.
 - 5.9.3.5. Compilation of Project Manual including Conditions of the Contract, bidding and procurement information and Specifications.
- 5.10.** At the conclusion of each Design Phase (Schematic Design, Design Development and Construction Document) the A/E shall provide the Owner with two (2) sets of drawings and specifications.

6. BIDDING OR NEGOTIATION SERVICES

- 6.1. Bidding Materials services** consisting of organizing and handling Bidding Documents for:
- 6.1.1. Coordination
 - 6.1.2. Reproduction by County
 - 6.1.3. Completeness review
- 6.2. Addenda services** consisting of preparation and distribution of Addenda as may be required during bidding or negotiation and including supplementary Drawings, Specifications, instructions and notice(s) of changes in the bidding schedule and procedures.
- 6.3. Bidding/Negotiation services** consisting of:
- 6.3.1. Responses to questions from Bidders and clarifications or interpretations of the Bidding Documents.
- 6.4. Analysis of Alternates/Substitutions** consisting of consideration, analyses, comparisons, and recommendations relative to alternates or substitutions proposed by Bidders or proposers either prior to or subsequent to receipt of Bids or proposals.

7. CONSTRUCTION ADMINISTRATION

- 7.1. Submittal Services** consisting of:
- 7.1.1. Processing of submittals, including receipt, review of, and appropriate action on Shop Drawings, Product Data, Samples and other submittals required by the Contract Documents.
 - 7.1.2. Distribution of submittals to Construction Manager/Contractor.
 - 7.1.3. Related communications.
- 7.2. Observation services** consisting of periodic visits to the site at intervals appropriate to the state of the work or as otherwise agreed by the County and Architect in writing to become generally familiar with the progress and quality of the Work completed and to determine in general if the Work when completed will

be in accordance with Contract Documents; preparing related reports and communications, and attendance at progress review meetings at the site.

7.2.1. Site visitation by Project Manager or Project Architect every other week.

7.2.2. Periodic site visits by other staff to observe the progress of the project.

7.3. Responses to Requests for Information (RFI)

7.3.1. Responding to requests for clarifications or additional information related to the Contract Documents

7.4. Supplemental Documentation services consisting of:

7.4.1. Preparation, reproduction and distribution of supplemental Drawings, Specifications and interpretations in response to requests for clarification by Construction Manager or the Owner.

7.4.2. Providing guidance to the Construction Manager in conjunction with the Owner relative to changed requirements and schedule revisions.

7.5. Quotation Requests/Change Orders consisting of:

7.5.1. Preparation, reproduction and distribution of Drawings and Specifications to describe Work to be added, deleted or modified. Changes shall be clearly defined.

7.5.2. Review of proposals from Construction Manager for reasonableness of quantities and costs of labor and materials.

7.5.3. Review and recommendations relative to changes in time for Substantial Completion.

7.5.4. Review on Owner's behalf relative to costs of Work proposed to be added, deleted or modified.

7.5.5. Assisting in the preparation of appropriate Modifications of the Contract(s) for Construction.

7.5.6. Coordination of communications, approvals, notifications and record-keeping relative to changes in the Work.

7.6. Contract Cost Accounting services consisting of:

7.6.1. Review of records of payments on account of the Contract Sum and all changes thereto.

7.6.2. Evaluation of Applications for Payment and certification thereof.

7.6.3. Review and evaluation of expense data submitted by the Construction Manager for Work under cost-plus-fee arrangements.

7.7. Interpretations and Decisions consisting of:

7.7.1. Review of claims, disputes, or other matters between the Owner and Construction Manager relating to the execution or progress of the Work as provided in the Contract Documents.

7.7.2. Rendering written decisions.

7.8. Project Closeout services initiated upon notice from the Construction Manager that the Work, or a designated portion thereof which is acceptable to the Owner, is sufficiently complete in accordance with the Contract Documents to verify the list submitted by the Construction Manager of items to be completed or corrected.

7.8.1. Review with the Owner's representative for conformity of the Work to the Contract Documents to verify the list submitted by the Construction Manager of items to be completed or corrected.

7.8.2. Recommendation of the amounts to be withheld until final completion.

7.8.3. Intentionally Omitted

7.8.4. Issuance of Certificate(s) of Substantial Completion.

7.8.5. Inspection(s) upon notice by the Construction Manager that the Work is ready for final inspection and acceptance.

7.8.6. Final inspection with the Owner's representative to verify final completion of the Work.

7.8.7. Securing and receipt of consent of surety or sureties, if any, to the making of final payment(s).

7.8.8. Issuance of final Certificate(s) for Payment.

7.8.9. Final inspection of Water Distribution, Sewage Collection and Stormwater/ Environmental Management Facilities. Preparation of certifications to agencies along with record documents prepared based upon record information supplied by the Construction Manager. Services include one final inspection for each certification.

8. POST-CONSTRUCTION SERVICES

8.1. Record Drawing services consisting of:

8.1.1. Making arrangements for obtaining from Construction Manager information in the form of marked-up prints, drawings and other data certified by them on changes made during performance of the Work, including Change Directives, RFI's, ASI's, etc.

8.1.2. Review of general accuracy of information submitted and certified by the Construction Manager.

8.1.3. Preparation of record drawings electronically based on certified information furnished by the Construction Manager.

8.1.4. Transmittal of one set of full-size reproducible record drawings and general data, appropriately identified, to the Owner and others as directed. Two copies of all electronic data including CADD drawings on flash drive.

8.2. Warranty Review consisting of:

8.2.1. Consultation with and recommendation to the Owner during the duration of warranties in connection with inadequate performance of materials, systems and equipment under warranty.

- 8.2.2. Inspection(s) prior to expiration of the warranty period(s) to ascertain adequacy of performance of materials, systems and equipment.
- 8.2.3. Documenting defects or deficiencies and assisting the Owner in preparing instructions to the Construction Manager for correction of noted defects.

9. ADDITIONAL SERVICES/EXPENSES (not included in the base fee): See Exhibit “C” for additional Services.

9.1. Owner-Provided Services:

- 9.1.1. Intentionally Omitted
- 9.1.2. Environmental assessment of existing facilities to be renovated and/or demolished, and the removal of any hazardous material, if necessary.
- 9.1.3. Printing of all Contract Documents issued for bidding and construction.

9.2. Mock-Up Services relating to any space for study during the design phases and consisting of:

- 9.2.1. Design and documentation for the required mock-up.
- 9.2.2. Construction administration of mock-up construction activities.
- 9.2.3. Arrangements for testing performance of mock-up.
- 9.2.4. Review, analysis and reporting of results.

9.3. Prepare an Inventory of existing furniture and equipment that will be placed in the new facilities.

9.4. Value Engineering – Value engineering is the detailed, systematic review of the design concepts, construction techniques, materials and building types associated with a project solely in terms of life cycle costs in an attempt to obtain optimum value for every dollar spent. If Owner chooses to engage in value engineering, Owner shall either retain the services of an independent Value Engineer (“VE”) to perform the above review services to be complete at a stage no later than the completion of schematic design, or pay a mutually negotiated sum “at the time the services are requested” to Consultant to perform the above review services at a stage later than the completion of schematic design, Owner acknowledges that schedule and cost impacts may occur.

- 9.4.1. If Owner chooses to retain an independent VE, all recommendations of the VE shall be given to Consultant for its review and adequate time will be provided for Consultant to respond to these recommendations. Consultant may be compensated as an additional service for time spent to review the recommendations of the VE and to incorporate those accepted by both Owner and Consultant. Objections to any recommendations made by the VE shall be stated in writing. Owner agrees that Consultant shall not be responsible for any damage, cost or liability which arises in connection with, or as a result of, the incorporation of such design changes.

9.5. Commissioning – The performance of a functional and operational check of all systems and equipment to verify the installation is performing to the design criteria.

Consultant would prepare this service in conjunction with an independent contractor experienced in such activities.

- 9.6. **Structural Blast Resistance** - Analysis of building structural systems to resist loads imposed by blast forces on exterior of facility. This would require a additional blast consultant to be obtained.
- 9.7. **Security Systems:** The Security portion of the project will include the design and documentation of Electronic Security System from Schematic Design through Construction Administration Services. The Electronic Security System will include intrusion detection, access control, electronic door control and monitoring, operational intercom, fixed duress alarms, monitoring and control panels, CCVE systems, control room layouts, rough-ins for x-ray screening/magnetometer at entry lobby, and parcel screening. As part of the overall security plan Consultant will provide a site analysis to determine passive security measures to be incorporated for the facility. Deliverables for the above scope for each task are as listed below.
 - 9.7.1. **Schematic Design (SDs):** Consultant will provide a written security narrative describing the Electronic Security System, reflecting the design approach based on program requirements. In addition, Consultant will provide two people for a one day on site Security Workshop to validate the security program and establish the design intent.
 - 9.7.2. **Design Development (DDs):** Consultant will provide job specific draft specifications of the Electronic Security System including plans indicating device locations, and outline specifications, and equipment selections reflecting design approach. Consultant will provide one person for 1 day to attend an on-site design review with the Owner and Design Team members to review the Electronic Security System Design Development documents.
 - 9.7.3. **Construction Documents (CDs):** Upon completion of this review, Consultant will provide completed biddable documents including plans, details, schedules, riser diagrams, and specifications required to fully document the Electronic Security System. In addition, Consultant will provide, at the completion of the Construction Documents phase, Two copies of a Design Information Manual (DIM) outlining major equipment selections utilized as the basis of design for the Electronic Security Systems. Consultant will conduct mid-point design review with Owner and Design Team members to review the Electronic Security Construction Documents.
 - 9.7.4. **Bidding:** Consultant will review all questions related to the Electronic Security System submitted, and provide answers in written addendum as required.
 - 9.7.5. **Construction Administration (CA):** Consultant will provide one person for four, one day intermediate site visits during construction. In addition, upon written notification of substantial completion Consultant will provide two persons for one day (16 hours total) to review and test the Electronic Security System.
 - 9.7.5.1. Included in this phase of work is the review of security shop drawing submittals and written responses to security RFI from the contractor.

9.7.5.2.Deliverable for this phase of work will include a written field report for the intermediate site visits, and a final report and punch list of the site visit made following written notice of substantial completion.

9.7.6. **Expanded Security System Design** - The following systems and services can be provided in addition to the Electronic Security Design defined in previous sections:

9.7.6.1.Assistance Stations

9.7.6.2.Parking Area Equipment (cameras, card access control)

9.7.6.3.Wireless Duress

9.7.6.4.Hydraulic Barriers

9.7.6.5.Biometrics

9.7.6.6.Perimeter protection systems

9.7.6.7.Post Construction Services: Consultant will provide two people for one day (16 hours total) to conduct a pre-warranty expiration review of the electronic security system. The review will focus on inspection of equipment, operational functions, defects or deficiencies within the system and will be documented in report form and issued to the owner.