

**THE TEXAS STATE UNIVERSITY SYSTEM
OWNER /ARCHITECT-ENGINEER AGREEMENT
(Construction Manager-At-Risk)**

Please note that this document is a draft contract and that modifications should be expected.

THIS AGREEMENT between the State of Texas, acting through the Board of Regents of the Texas State University System (Owner), and _____ is effective the _____ day of _____, 20__.

WHEREAS, the Owner intends to build a _____ (“Project”) at the campus of _____ (“Component”) _____, Texas and

WHEREAS, the Construction Cost Limitation (CCL) for the Project is _____ and no/100 Dollars (\$_____.00), defined as the estimated cost of construction, which may include a Construction Manager’s contingency allowance. This will be the Owner’s target amount for the Guaranteed Maximum Price under a Construction Manager-at-Risk (CM@R) construction contract.

NOW THEREFORE, the Owner and Architect-Engineer (A-E), for considerations as set forth, agree as follows:

ARTICLE 1 SCOPE OF SERVICES

The A-E agrees to perform Basic Services and certain Additional Services for the Project, both as specified more particularly in Article 3. The term “Basic Services” includes all building and landscaping architectural services << (including fixed furniture equipment layout and consultation with Owner about selection)>> as well as civil, structural, mechanical, plumbing, lighting, acoustics, and electrical engineering services. Basic Services will also include cost estimating, per paragraph 6.2, for the results of everything that is designed into the Project by the A-E whether from Basic or Additional Services. In addition to these Basic Services certain Additional Services identified in Exhibit A attached hereto are included in this original agreement and in the fee set forth in Paragraph 2.1. The A-E may be requested to perform further Additional Services as set forth in Article 4 upon payment of an additional fee. The Construction Manager-At-Risk (CM@R) delivery method planned for this project anticipates close interaction, coordination and cooperation among the Owner, A-E and the CM@R throughout the life of the Project. The terms Construction Manager-at-Risk and Contractor are used interchangeably throughout this Agreement. The A-E agrees to comply with the Owner’s latest version of the Design Guidelines and Construction Standards applicable to the campus and/or location of the Project (“Campus Standards”) when providing the services included in this Agreement in a manner consistent with that degree of skill and care ordinarily exercised by practicing design professionals performing similar services in the same locality under the same or similar circumstances.

A-E shall not replace the in-house personnel named in its submitted Qualifications to lead the Project or its phases identified in the scope of work without prior written approval from the Owner.

ARTICLE 2 PROVISIONS RELATED TO FEE AND REQUIRED INSURANCE

- 2.1 The Owner agrees to pay the A-E a lump sum fee (“Fee”) for Basic Services, and the Additional Services identified in Exhibit A, of _____ and no/100 Dollars (\$_____.00). The Fee will not change unless the Owner directs significant changes to the quantity, quality standards or types of construction included in the Project. Without limiting the generality of the foregoing statement, the Fee will not change due to increases or decreases in the CCL (Paragraph 8.2).
- 2.1.1 << The Fee is inclusive of all reimbursable expenses of the A-E>>. Reimbursables for the Project are set at a not-to-exceed amount of _____ no/100 Dollars (\$_____.00).<<OPTIONAL: The stated reimbursable amount includes an allocation for living expenses of the on-site senior project architect as set forth in article 3.5.6 of the Agreement, which expenses are subject to a maximum reimbursement of _____ Dollars (\$_____.00).>> <<All reimbursables shall be billed to the Owner monthly as a direct expense, without any markup for overhead or profit.>><<when applicable in accordance with the State of Texas travel limitations.>>
- 2.2 The A-E Services contracted for in Article 1 of this Agreement are those normal and customary services necessary to the design and construction administration of a project of the type, size and quality standards described in the <<Architectural Program>> <<Campus Master Plan>> document for the _____ (institution) _____ (project) that has been provided in final draft form dated _____ << (“Architectural Program”) >> << (“Campus Master Plan”) >>, and those generally found in the public higher education sector in the State of Texas for similar projects. The A-E shall not deviate from the Architectural Program document requirements without written approval from the Owner’s Designated Representative (“ODR”). The services required are further defined and detailed in, but not limited by, Article 3.
- 2.3 The times and conditions of payment for the Fee shall be as described in Article 7.
- 2.4 The A-E agrees to make a Good Faith Effort to allocate 20% of the services required under this Agreement to qualified consultants, which are Historically Underutilized Businesses. If the A-E is a Historically Underutilized Business, it shall perform at least 25% of the work. At the time of the construction contract award, the A-E shall report and justify to the Owner the percentages of work performed by Historically Underutilized Businesses.
- 2.5 Insurance Coverage. The A-E shall carry such professional liability/errors and omissions insurance, covering the services provided under this Agreement, whether provided by the A-E or by any of its consultants or anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable (collectively, “Consultants”), and other coverages as further described, acceptable to and approved by the Owner. The fees for such insurance will be at the expense of the A-E. The insurance policy shall remain in force for a period of one (1) year beyond the final completion date. A Certificate of Insurance indicating the expiration date, and existence, of the A-E’s insurance coverages is required prior to commencement or continuation of performance of the services under this Agreement. Each request for payment by the Architect shall include the expiration date of the insurance. A-E shall deliver to Owner replacement certificates not less than thirty-(30) days prior to the expiration of any such insurance. If, however, A-E fails to pay any of the renewal premiums for the expiring policies, Owner shall have the right (but not the obligation) to make such payments and set off the amount thereof against the next payment coming due to A-E under this Agreement.

- 2.5.1 A Certificate of Professional Liability Insurance is required with a minimum limit of \$1,000,000 each claim and \$1,000,000 aggregate. The Certificate shall indicate the expiration date of the A-E's professional liability and errors and omissions insurance. The Certificate is to identify the specific name of the project according to the terms of this Agreement and identify the Board of Regents of The Texas State University System as the Project's Owner.
- 2.5.2 On Site Insurance: For services performed on Owner's premises, the A-E shall furnish to Owner Certificates of Insurance as set forth below prior to the commencement of any work hereunder and shall maintain such coverage during the full term of the Agreement.

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|------------------------------|-----------------------------|
| Worker's Compensation | Statutory Limits |
| Employer's Liability | |
| Bodily Injury by Accident | \$1,000,000 each accident |
| Bodily Injury by Disease | \$1,000,000 policy limit |
| Bodily Injury by Disease | \$1,000,000 each employee |
| | |
| Commercial General Liability | \$1,000,000 each occurrence |
| | \$1,000,000 aggregate |
| | |
| Business Auto Liability | |
| Combined Single Limit | \$1,000,000 each occurrence |

- 2.5.3 Notice of Cancellation: Required insurance shall not be cancelable without notice to the certificate holder in accordance with the terms of the insurance policy. <<FOR TXST OR SHSU ONLY:>> The A-E agrees to provide to the Owner notice of cancellation of any required insurance within five (5) business days of its receipt of notice of such cancellation.
- 2.5.4 A-E shall include the Owner as an additional insured on the General Liability policy, and the Worker's Compensation policy shall include a waiver of subrogation in favor of the Owner.
- 2.5.5 A-E shall require its Consultants to maintain Commercial General Liability and Business Auto Liability coverage with a company satisfactory to Owner and with limits acceptable to Owner.
- 2.6 Computer Project Management Software: A-E shall use the Owner's designated project management software system "e-Builder" to correspond and maintain all project related correspondence throughout the life of the project including project close-out and final payments.

ARTICLE 3 SERVICES OF THE A-E

3.1 Schematic Design Phase

- 3.1.1 Based upon the <<Architectural Program>> <<Campus Master Plan>> provided by the Owner, the Construction Cost Limitation and a desired Project Schedule established by the Owner, the A-E shall prepare sufficient alternative approaches to design of the Project to satisfy Owner's requirements and at completion of this phase, shall submit Schematic Design documents in accordance with Owner's Design Guidelines.

- 3.1.2 A-E shall provide all services necessary to perform the services of this Phase (preparation of Schematic Design documents) including, without limitation, unless otherwise approved by Owner, the preparation and prompt delivery of all items specified in Owner's Design Guidelines.
- 3.1.3 A-E shall work closely with Owner in preparation of schematic drawings and shall specifically conform to Owner's requirements regarding aesthetic design issues.
- 3.1.4 A-E shall demonstrate adherence to the Architectural Program by providing clear and concise information showing such adherence within the documents submitted for approval.
- 3.1.5 The A-E shall prepare meeting minutes for any meetings attended that reflect discussions, outcomes and pending issues that require further action by the responsible parties. Meeting minutes shall be published to the Owner's Designated Site Representative (ODSR) and all attendees within 7 days from the date of the meeting to allow for comments and/or corrections to the minutes. **<<Use the following for TxSt and SHSU Projects Only: The A-E shall attend a project meeting weekly either in person, through video conferencing, or telephonically as directed by the Owner's Designated Site Representative (ODSR).>>**
- 3.1.6 The A-E shall furnish and deliver to the Owner nine complete printed sets of Schematic Design documents. Eight sets shall be distributed as directed by the ODSR. One set shall be delivered contemporaneously to the ODR.
- 3.1.7 **<<OPTIONAL LANGUAGE FOR BLENDED SD/DD PHASE: No separate Schematic Design documents are required as deliverables under this Agreement. The Schematic Design and Design Development phases for the Project are blended, and the deliverable for the blended phase is as set forth in Section 3.2 below. NOTE: IF THIS LANGUAGE IS USED, DELETED SECTION 3.1.6 ABOVE RELATING TO THE NUMBER OF PRINTED SETS TO BE DELIVERED.>>**
- 3.1.8 The A-E shall direct the preparation of a detailed construction cost estimate to confirm compliance with the Construction Cost Limitation and complete it within two weeks of delivering the completed Schematic Design documents. (See Section 6.2 for estimate requirements). The A-E shall consult with the Owner, and its designated representatives including the Owner's Designated Representative (ODR) and the ODSR, and recommend any Value Engineering adjustments to the Project that may be necessary to align the cost estimate and the project budget with the established Construction Cost Limitation. The A-E shall revise the Schematic Design documents as may be required to incorporate Value Engineering recommendations accepted by the Owner. **<<OPTIONAL for Blending: Based on the approved Schematic Design concept and any adjustments to the Construction Cost Limitation authorized by the Owner, the A-E shall prepare, for approval by the Owner, Design Development documents in accordance with the Owner's written requirements. These documents will further define and finalize the size and character of the Project in accordance with Owner's Design Guidelines. The DD approval package is in addition to the Design Development documents that are submitted to the Vice Chancellor for Contract Administration (VCCA) for review and approval.>>**
- 3.1.9 Before proceeding into the Design Development (DD) Phase, the A-E shall obtain written acceptance of the Schematic Design documents and approval of the A-E's preliminary construction cost estimate and schedule by both the ODR and the ODSR. The A-E shall submit a fully executed Certificate of Compliance (as required by the Owner's Policies and Procedures for Planning and Construction) ("Certificate of Compliance"). The A-E shall furnish and deliver to the ODSR two compact disks of the complete documents for this

phase of the design in a format acceptable by the Owner for the Owner's record (i.e. all drawings, specifications, product data, cost estimates, etc.).

3.2 Design Development Phase

- 3.2.1 Based on the approved Schematic Design documents and any adjustments to the Architectural Program or Construction Cost Limitation authorized by the Owner, and upon receipt of a Notice to Proceed executed by the ODR, the A-E shall prepare, for approval by the Owner, Design Development documents in accordance with the Owner's written requirements. These documents will further define and finalize the size and character of the Project in accordance with Owner's Design Guidelines. The DD approval package is in addition to the Design Development documents that are submitted to the Vice Chancellor for Contract Administration (VCCA) for review and approval.
- 3.2.2 The A-E shall furnish and deliver to the Owner nine complete printed sets of Design Development documents. Eight sets shall be distributed as directed by the Owner's ODSR. One set shall be delivered contemporaneously to the ODR.
- 3.2.3 During the Design Development Phase, the A-E shall verify in writing to the Owner the economic feasibility of incorporating into the Project's design and proposed energy system alternative energy devices for space heating and cooling functions, water heating functions, electrical load functions, and interior lighting functions, with a comparison of the estimated cost of providing energy for each function through conventional systems with the estimated cost of providing energy for each function based on the base of alternative energy devices, over the projected economic life of the building.
- 3.2.4 The A-E shall direct the preparation of a detailed construction cost estimate to confirm compliance with the Construction Cost Limitation and complete it within two weeks of delivering the completed Design Development documents (See Section 6.2 for estimate requirements). The A-E shall consult with the Owner, and its designated representatives including the ODR and the ODSR, and recommend any Value Engineering adjustments to the Project that may be necessary to align the cost estimate and the project budget with the established Construction Cost Limitation. The A-E shall revise the Design Development documents as may be required to incorporate Value Engineering recommendations accepted by the Owner.
- 3.2.5 A-E shall demonstrate adherence to the Architectural Program by providing clear and concise information showing such adherence within the documents submitted for approval.
- 3.2.6 The A-E shall prepare meeting minutes for any meetings attended that reflect discussions, outcomes and pending issues that require further action by the responsible parties. Meeting minutes shall be published to the ODSR and all attendees within 7 days from the date of the meeting to allow for comments and/or corrections to the minutes. <<Use the following for TxSt and SHSU Projects Only: The A-E shall attend a project meeting weekly either in person, through video conferencing, or telephonically as directed by the ODSR.>>
- 3.2.7 Before proceeding into the Construction Document Phase, the A-E shall obtain ODSR's written acceptance of the Design Development documents and approval of the mutually established Construction Cost Limitation and schedule by the ODSR. The A-E shall submit a fully executed Certificate of Compliance to the ODR. The A-E shall furnish and deliver to the ODSR two compact disks of the complete documents for this phase of the design in a format acceptable by the Owner for the Owner's record (i.e. all drawings, specifications, product data, cost estimates, etc.).

- 3.2.8 The A-E shall prepare presentation materials as defined in Owner's Design Guidelines at completion of Design Development and, if so requested, shall present same to the Board of Regents at a regular or called meetings or at a meeting of the Planning and Construction Committee of the Board of Regents where scheduled within the State of Texas. These materials shall include a color and finishes Selection Board recommendation for the entire building, including the type and color of all fixed <<OPTIONAL: and loose>> furniture. The A-E shall furnish and deliver to the ODR and the ODSR a draft Board submittal in accordance with the guidelines attached hereto as Exhibit B. A-E shall incorporate such changes to the submittal as may be required by Owner, and submit to the Owner eight (8) sets of the final submittal no later than 20 days prior to the scheduled Board meeting.
- 3.2.9 The A-E shall prepare preliminary recommended furniture layouts for all spaces where it is deemed important to substantiate the fulfillment of program space requirements, or to coordinate with specific architectural, mechanical and electrical elements.
- 3.2.10 A-E shall assist the Owner with preparation of an application for the Project with the Texas Higher Education Coordinating Board (THECB), if necessary. Such assistance shall include (i) the preparation of a listing of the rooms, room type and usage codes, and square footages in the project, (ii) the preparation of project cost information, in accordance with THECB Guidelines, and (iii) the preparation of a presentation to the THECB, if required. This information shall be provided at the completion of the Design Development Phase when requested by the Owner. << OPTIONAL for Blending: A-E shall assist the Owner with submission of a project application with the Texas Higher Education Coordinating Board (THECB), if necessary. Such assistance shall include (i) the preparation of a listing of the rooms, room type and usage codes, and square footages in the project and (ii) the preparation of project cost information, in accordance with THECB Guidelines. This information shall be provided at the completion of the Design Development Phase when requested by the Owner. >>
- 3.2.11 Travel costs, but not the salary costs during travel, of out of town trips required by the Owner for presentations to the Coordinating Board or the Board of Regents shall be treated as reimbursable expenses under this Agreement. Reimbursement for these expenses shall be limited to the lesser of actual expenses incurred and the reimbursement rates then allowable for travel by employees of the State of Texas.

3.3 Construction Document Phase

- 3.3.1 Based on the approved Design Development documents and any further adjustments in the scope or quality of the Project or in the Project Construction Cost Limitation authorized by the Owner, and following approval of the Design Development submittal by the Board of Regents, the A-E shall prepare, for approval by the Owner, Construction Documents consisting of Drawings and Specifications in accordance with Owner's written requirements setting forth in detail the requirements for construction of the Project, including, without limitation, Owner's Design Guidelines. The plans, drawings and specifications for the entire Project shall be prepared so that the construction of the building and related facilities, including built-in permanent fixtures and equipment, will cost no more than the Construction Cost Limitation established by Owner. The A-E is responsible for managing the design elements of the Project to stay within the Construction Cost Limitation based upon pricing information provided by his independent cost estimator and the Construction Manager-at-Risk (CM@R). The Owner, A-E and CM@R may agree that the Project will be constructed in phases; in that event, the requirements listed below will apply separately to each of two or more different Construction Bid Packages within the Project.

- 3.3.2 Construction document drawings shall be produced on a CADD system as part of Basic Services. The Owner will define the CADD drawing requirements and the final media for the CADD data.
- 3.3.3 The A-E shall advise the Owner on matters such as construction phasing and scheduling, bid or proposal alternates, special cash allowances, liquidated damages, the construction contract time period, and other construction issues appropriate for the Project.
- 3.3.4 The A-E shall assist the Owner in connection with the Owner's responsibility and procedures for obtaining approval of all authorities having jurisdiction over the Project.
- 3.3.5 The A-E shall file and obtain approval of the project from the Texas Department of Licensing and Regulations, Architectural Barriers Division, in accordance with Chapter 469, Texas Government Code, as amended, and Title III of the Americans with Disability Act (ADA) of 1990, 42 U.S.C., Section 12181. The fees for these approvals will be paid by the Owner.
- 3.3.6 The A-E shall prepare meeting minutes for any meetings attended that reflect discussions, outcomes and pending issues that require further action by the responsible parties. Meeting minutes shall be published to the ODSR and all attendees within 7 days from the date of the meeting to allow for comments and/or corrections to the minutes. <<Use the following for TxSt and SHSU Projects Only: The A-E shall attend a project meeting weekly either in person, through video conferencing, or telephonically as directed by the ODSR.>>
- 3.3.7 The A-E shall provide services reasonably designed to facilitate coordination and inclusion of sequence of operations for all operable systems in the facility.
- 3.3.8 The A-E, at the 50%, 90%, 100% stages of the Construction Documents, shall furnish and deliver to the ODSR the eight complete printed copies of all plans, drawings and specifications of every character made or furnished in connection with the Work, which copies shall become the property of the Owner. An additional complete printed copy shall be delivered contemporaneously to the ODR. The A-E shall incorporate into the plans, drawings and specifications such changes as are necessary to satisfy the Owner's written review comments or published meeting minutes, any of which may be appealed in writing for good cause. The A-E shall furnish and deliver to the Owner two compact disks of the complete documents for the 50%, 90%, 100% of the Construction Document Phase in a format acceptable by the Owner for the Owner's record (i.e. all drawings, specifications, product data, cost estimates, etc.).
- 3.3.9 The A-E shall provide with each review submittal a Coordination Document set with colored overlays of required design disciplines. These shall include, but not be limit to, mechanical, electrical, plumbing, sprinkler, slab penetrations, telecommunications, and instructional technologies support. With the exception of fire sprinkler design, the A-E shall provide all designs and shall not use design performance documents, unless approved by the Owner.
- 3.3.10 Prior to releasing the Construction Documents "For Construction", the A-E shall provide a document that summarizes all design code requirements and provide written certification that the Construction Documents meet all applicable design codes and the requirements of the local Campus Standards. The A-E shall further certify in writing that no asbestos or lead containing materials have been specified or approved by the A-E for installation into the Project.

- 3.3.11 The CM@R will pay directly for all reproduction provided for bidders/proposers during the bidding stage of the Project; however, addenda documents issued after the bid/proposal documents are reproduced, except for changes generated by Owner, shall be supplied at the A-E's expense.
- 3.3.12 The A-E shall direct the preparation of a detailed construction cost estimate to confirm compliance with the Construction Cost Limitation and provide it to the ODR and the ODSR within 14 days after submitting the completed documents at the stages of design listed in paragraph 3.3.8 (See Section 6.2 for estimate requirements). The A-E shall advise the ODR and the ODSR of any adjustments to the project needed to align the cost estimate and the project budget with the established Construction Cost Limitation. The A-E shall revise the Construction Documents as may be required by the adjustments at the A-E's sole expense.
- 3.3.13 Before proceeding into the Bidding and Proposal Phase, the A-E shall obtain ODSR's written acceptance of the Final Construction Documents and will reconfirm with the ODR and the ODSR the alignment of the construction cost estimate with the established Final Construction Cost Limitation. The A-E shall submit a fully executed certificate of compliance to the ODR. The A-E shall furnish and deliver to the Owner two compact disks of the complete documents for the Final Bid Construction Documents in a format acceptable by the Owner for the Owner's record (i.e. all drawings, specifications, product data, cost estimates, etc.).

3.4 Bidding and Proposal Phase

- 3.4.1 The A-E shall assist the CM@R in obtaining and evaluating bids or proposals including preparation for and attendance at Pre-bid or Pre-proposal Conferences and HUB meetings. A-E shall answer inquiries from bidders/proposers at CM@R's request, and shall prepare and issue any necessary addenda to the bidding or proposal documents. The Owner, A-E and CM@R may agree that the Project will be constructed in phases; in that event, the requirements listed below will apply separately to each of two or more different Construction Bid Packages within the Project.
- 3.4.2 In the event the best value proposal received for the Project exceeds the Final Construction Cost Limitation established at the completion of the Construction Document Phase(s), the A-E, if so directed by Owner, shall revise the drawings and specifications as necessary to bring the cost of the Project within the Final Construction Cost Limitation. If the A/E has not altered the scope or quality level of the project without approval by the ODR, then the A/E will be compensated as an Additional Service for changes to the Construction Documents needed to satisfy Owner's budget limitations. The Owner reserves the right to accept a proposal and award a construction contract that exceeds the Final Construction Cost Limitation, if such award is determined by ODR to be in the Owner's best interest. The A-E's Fee will not be adjusted if the Owner decides to accept such a proposal. The A-E shall furnish and deliver to the Owner two compact disks of the complete documents of the Final Revised Construction Documents in a format acceptable by the Owner for the Owner's record (i.e. all drawings, specifications, product data, cost estimates, etc.).

3.5 Construction Phase

- 3.5.1 The Construction Phase shall commence with the award of the Contract for Construction and issuance of (i) a Notice to Commence On-Site Work or (ii) a Notice to Proceed with Construction Services and terminate sixty-(60) days after Final Payment to the CM@R is made, or when all of A-E's services have been satisfactorily performed, whichever occurs later. The Owner, A-E and CM@R may agree that the Project will be constructed in

and inspections shall average not more than one per week during the Construction Phase. Owner-required visits beyond this total shall be compensated as an Additional Service.

- 3.5.7.1 On the basis of the onsite observations, the A-E shall keep the ODSR informed of the progress and quality of the Work, and shall endeavor to identify defects and deficiencies in the Work of the CM@R. A-E shall notify ODSR and the CM@R in writing of any portions of the work, which A-E has observed as not being in conformity with the Construction Documents and make recommendations as to correction of the deficiencies or defects. A-E shall make its site representative available and shall consult with ODSR and the CM@R on the occasion of all circumstances arising during the course of construction, which would make such consultation in Owner's interests.
- 3.5.7.2 In addition to site visits for general inspection and observation, the A-E and its consultants shall visit the site as appropriate for specific purposes related to certification of progress payments, start-up or mock-up reviews for significant work activities and for formal inspections of the Work. The A-E and its consultants shall provide written reports of all site visits to the ODSR and CM@R.
- 3.5.8 The A-E shall not have control or charge of and shall not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, for the acts or omissions of the CM@R, Subcontractors or any other persons performing any of the Work, or for the failure of any of them to carry out the Work in accordance with the Contract Documents.
- 3.5.9 The A-E at all times shall have access to the Work wherever it is in preparation or progress.
- 3.5.10 The A-E shall determine the amounts owing to the CM@R based on observations of Work placed at the site and on evaluations of the CM@R's Application for Payment, and shall coordinate its review and evaluation with the ODSR, and shall certify CM@R's Application for Payment in an appropriate amount.
- 3.5.11 The certification of a CM@R's Application for Payment shall constitute a representation by the A-E to the Owner, based on the A-E's observations at the site and on the data comprising the CM@R's Application for Payment, that the Work has progressed to the point indicated; that, to the best of the A-E's knowledge, information and belief, the quality of the work is in accordance with the Contract Documents (subject to an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, to the results of any subsequent tests required by or performed under the Contract Documents, to minor deviations from the Contract Documents correctable prior to completion, and to any specific qualifications stated in the CM@R's Application for Payment); and that the CM@R is entitled to payment in the amount certified. However, the approval of a CM@R's Application for Payment shall not be a representation that the A-E has: (1) made any examination to ascertain how and for what purpose the CM@R has used the monies paid on account of the Contract Sum; (2) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work; (3) reviewed construction means, methods, techniques, sequences or procedures; (4) reviewed copies of requisitions received from Subcontractors and material suppliers and other data requested by the Owner to substantiate the CM@R's right to payment; or (5) accepted the CM@R's responsibility for the quality or quantity of the Work.
- 3.5.12 The A-E shall be the interpreter of the technical requirements of the Contract Documents and the judge, to the extent provided herein, of the performance of the work of the CM@R. The A-E shall render interpretations necessary for the proper execution or progress of the Work

with reasonable promptness on written request of either the Owner or the CM@R, and shall render written recommendations within a reasonable time, on all claims, disputes and other matters in question between the Owner and the CM@R relating to the execution or progress of the Work or the interpretation of the Contract Documents.

- 3.5.13 Interpretations and recommendations of the A-E shall be consistent with the intent of and reasonably inferable from the Contract Documents and shall be in written or graphic form.
- 3.5.14 Subject to approval of the Owner, the A-E's decisions in matters relating to artistic effect shall be final if consistent with and reasonably inferable from the intent of the Contract Documents. The A-E shall review interior designs and/or furniture selections proposed by the Owner and advise the Owner on their aesthetic compatibility with the A-E's design.
- 3.5.15 The A-E shall have the authority, with appropriate notification to the parties, to reject Work which does not conform to the Contract Documents. Whenever, in the A-E's reasonable opinion, it is necessary or advisable for the implementation of the intent of the Contract Documents, the A-E will have authority to require special inspection or testing of the Work in accordance with the provisions of the Contract Documents, whether or not such Work will then be fabricated, installed or completed. The A-E shall review construction materials testing and any special testing required and shall provide recommendations for retesting, actions, or any appropriate corrective measures as may be necessary or appropriate based on the results of such tests.
- 3.5.16 The A-E and its consultants shall review and approve or take other appropriate action upon the CM@R's submittals such as Shop Drawings, Product Data and Samples specifically required by the Construction Documents, but only for conformance with the design concept of the Work set forth in the Contract Documents, and shall respond to CM@R's inquiries and questions and provide supplemental information as appropriate. Action on submittals shall be taken with reasonable promptness so as to cause no delay to the CM@R's scheduled progress, but in any event no more than fourteen (14) business days after receipt. The A-E's approval of a specific item shall not indicate approval of an assembly of which the item is a component. The A-E's review shall not constitute approval of any construction means or methods, or of any safety precautions. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of other details, such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the CM@R.
- 3.5.17 A-E shall clarify and interpret the intent and scope of the Construction Documents and, if necessary or appropriate, issue supplemental documents to amplify or explain portions of the Construction Documents.
- 3.5.18 A-E shall review and verify the CM@R's requests for change orders or claims for additional time or costs, and make recommendations to Owner as to such requests or claims.
- 3.5.19 The A-E shall prepare Change Orders for the Owner's approval and execution in accordance with the Contract Documents, and shall have authority to order minor changes in the Work not involving an adjustment in the Contract Sum or an extension of the Contract Time, which are not inconsistent with the intent of the Contract Documents. In conjunction with each Change, the A-E shall prepare an independent cost and time estimate for comparison with the CM@R's proposal and recommend to the Owner whether the CM@R's proposal is acceptable when the change is greater than \$5,000. R. S. Means Cost Resources shall be the basis for all such Change Order estimates.

- 3.5.20 A-E shall prepare revised Contract Drawings, where appropriate, to illustrate and document the work required by approved Change Orders. All proposed changes to drawings plans and specifications, regardless of how initiated, shall be defined in the document depicting them as to scope of work added, removed, or changed. The original copies of the Construction Documents may be revised to show such changes, provided that all such revisions shall be separately recorded on the media acceptable to Owner, including, without limitation, CADD. Such revisions shall be clearly indicated and a current revision date shall be included on the reproducible copy. Changes to the specifications shall be made by consecutively numbered and dated addenda. All changes to design documents or specifications will be identified with date of change, revision number and other customary identification references. Areas changed on drawings will be “clouded” to show each change. Clouds designating previous changes will be removed so that only the most recent changes will be clouded.
- 3.5.21 A-E and its consultants shall participate in concealed space observations, systems start-up observations, systems integration/operational demonstrations, Substantial Completion inspections, and Final Completion inspections. In association with each observation, A-E and its consultants shall prepare a list of items which A-E and its consultants have observed as deficiencies in the Work, requiring remedial work or replacement, assemble and distribute the official list of deficiencies (Punch list) to all affected parties, and thereafter review the corrected and/or replaced work and assist in verification of correction of all Punch list items.
- 3.5.22 A-E shall review, for conformance with the Contract Documents, CM@R’s submission of guarantees and warranties.
- 3.5.23 The A-E and its consultants shall assist the Owner in checking the CM@R’s as-built drawings and specifications during the course of the Work in association with certifying progress payments. Failure to review and advise on the CM@R’s progress and update the as-built drawings in a timely manner will affect the progressing of the monthly payment to the A-E for the Construction Phase (Article 7). The A-E shall review as-built documents for completeness and compliance with Contract requirements at Substantial Completion and at Final Completion of the Project. As a part of the Record Drawing and Closeout Documents Submittal phase of this Agreement (Article 7) the A-E shall enter all the CM@R’s records of changes onto the original Construction Documents and shall furnish and deliver to the Owner two compact disks of the complete documents in a format acceptable by the Owner for the Owner’s record.
- 3.5.24 A-E shall receive and review CM@R’s submission of record drawings, operating and maintenance instructions, and all manuals, brochures, drawings, and other closeout documentation furnished by the CM@R, shall require necessary revisions to same, and when acceptable under the terms of the Contract between Owner and CM@R, shall forward to ODSR. The A-E shall certify final payment to the CM@R when the A-E believes the requirements of the Contract between Owner and CM@R have been met.
- 3.5.25 A-E shall monitor the CM@R’s schedule for the construction phase work and assist the Owner in reviewing all relevant activities and advise the ODSR of the CM@R’s scheduled progress.
- 3.5.26 A-E shall prepare a complete list of project close-out and Owner-training requirements contained in the Construction Documents (CDs) and will display them in matrix form similar to as shown in Exhibit D. The matrix shall be displayed as part of the front end of the CDs.

3.5.27 The A-E shall be available after final payment to advise the Owner regarding Warranty items and to inspect Warranty work during the Warranty period. A-E shall participate in the Project's one-year warranty review.

ARTICLE 4 ADDITIONAL SERVICES

- 4.1 Services may be required for the design of the Project which are not included as part of the Basic Services described in Articles 1 and 3 <<OPTIONAL: or the Additional Services described in Exhibit A.>> If such services are required, they will either be provided by the Owner, contracted for separately from a third party, or authorized in writing to be performed by the A-E and paid for by the Owner as hereinafter provided. If authorized in writing to be performed by the A-E, such services will be subject to this Article 4.
- 4.2 Change Order effort performed by the A-E during the Construction Phase of the Project shall be compensated as an Additional Service unless the change order is the result of an error or omission on the part of the A-E. The A-E shall not be entitled to any fee for the portion of the effort required to correct errors or omissions.
- 4.3 Any Additional Service cost of change order effort shall be agreed to and authorized in writing by the ODR before the work is performed. Fees for change order effort performed by the A-E's staff shall be proposed to the ODR showing a detailed documented required level of effort and using the hourly rate schedule included as Exhibit C. Consultant services for change order work, provided under subcontract to the A-E, shall be compensated at actual cost plus ten percent (10%). Reimbursable expenses for both the A-E and its consultants shall be compensated at direct cost (with no markup). The Owner may decide to reach a Lump Sum agreement with the A-E prior to authorizing Additional Services change order effort or may direct the effort to be performed on a Time and Expenses basis.

ARTICLE 5 THE OWNER'S RESPONSIBILITIES

- 5.1 The Owner shall provide general requirements and description for the Project (budget limitations and required delivery schedules, etc.).
- 5.2 The Owner, through its authorized representatives, shall examine and review documents submitted by the A-E and shall render decisions and provide comments pertaining thereto promptly, to avoid unreasonable delay in the progress of the A-E's work.
- 5.3 The Owner shall furnish any existing as-built drawings. When required for the Project, the Owner shall furnish to the A-E existing boundary surveys and topographic maps giving, as applicable, grades and lines of streets and other physical features, both on and adjoining site, boundaries and contours of land, rights-of-way, restriction, easements, deed restrictions, locations, dimensions and complete data pertaining to existing buildings, location of trees, and full information concerning available utility services, public and private. The Owner shall provide any additional boundary and topographical surveys that are found to be needed during design.
- 5.4 The Owner shall provide the necessary geotechnical surveys, reports, soil borings and laboratory testing services, including required test interpretations, test data and reports.
- 5.5 The services and information, required by paragraph 5.3 and 5.4, shall be furnished at the Owner's expense, and the A-E shall be entitled to rely on the accuracy thereof; however, the A-E shall make

a site visit(s) to identify any inconsistencies, which may be visually observed without special instrumentation. The A-E shall notify the ODSR promptly of any such inconsistencies observed.

- 5.6 The Owner shall furnish the A-E, when available and applicable, copies of Owner's Standard General Conditions, Contract Forms, Bond Forms, bidding information and instructions, minimum wage rates for inclusion in the specifications, and design and construction standards of the Owner.

ARTICLE 6 REVISION TO DRAWINGS AND SPECIFICATIONS

- 6.1 The A-E shall prepare Construction Documents containing such provisions which will permit the Owner to submit a Guaranteed Maximum Price Proposal (GMP) within the Construction Cost Limitation. In the event the lowest acceptable GMP proposal exceeds the Construction Cost Limitation, and if the Owner does not see fit to allot additional funds, the A-E agrees to revise the Construction Documents as may be necessary to bring the Construction Cost within the Construction Cost Limitation. If the A/E has not altered the scope or quality level of the project in ways that were not approved by the ODR, then the A/E will be compensated as an Additional Service for changes to the Construction Documents needed to satisfy Owner's budget limitations.
- 6.2 Since a Construction Cost Limitation is stated herein, an estimate of cost prepared in detail form shall be provided by the A-E at each stage of the design where a review submittal is required by this Agreement. All such estimates shall be prepared by a recognized independent third party estimating consultant retained and paid by the A-E out of its Basic Services Fee. The estimates shall be prepared in detail in the Construction Specifications Institute (CSI) format. If such estimates, at any required submittal stage, exceed the stated Construction Cost Limitation (including contingencies), the Owner may modify the Construction Cost Limitation, accept Value Engineering recommendations; revise the program, scope or quality, or any combination of these to bring the construction cost within the Construction Cost Limitation. The A-E shall then revise the Construction Documents (at no added charge to the Owner) as may be necessary. The Owner may decide to include alternate bid items in the Construction Documents as a means of adjusting the actual construction cost to the cost limit. If the Owner requests alternates to be designed which by estimate exceed the Construction Cost Limitation during design, and those alternates, or parts thereof, are not constructed within the Construction Cost Limitation, then the A-E shall be compensated for having prepared these alternate bids items on an Additional Services basis as provided in Article 4. This compensation will be provided whether or not the alternates are actually constructed.
- 6.3 After the Owner approves a definite plan, with the revisions above being made during the Design Development Phase, then if decisions by the Owner are subsequently made which, for their proper execution, involves added services and expenses for conceptual revisions and additions to the Construction Documents, or if the A-E is put to added labor or expense by delays imposed on him from causes not within his/her control, such as the delinquency or insolvency of construction contractors, the A-E shall be equitably compensated as an Additional Service.

ARTICLE 7 DELIVERABLE SCHEDULE AND PAYMENTS TO THE A-E

- 7.1 The Owner, A-E and CM@R may agree that the Project will be constructed in phases. If so, in close interaction, coordination and cooperation among all parties, a master project schedule will be mutually agreed upon and will subsequently be incorporated by amendment to the Owner's Contract with the CM@R. This master schedule will be produced and updated by the CM@R. This master schedule shall include detailed durations and milestones for the development of each

construction bid package. <<OPTIONAL LANGUAGE: The Owner, A-E and CM@R have agreed that the project will be constructed in phases.>> The Project must be substantially complete no later than <<INSERT DATE>>.

7.2 Payments of fees shall be made monthly in proportion to the services performed to increase the compensation for services to the following percentages at the completion and acceptance of each phase of the work. Should the project be designed in several phases or bid packages, the A-E shall submit a revised payment schedule for signatory approval by the ODR prior to the payment of any services. This revised A-E payment schedule will be based on the master schedule described in paragraph 7.1 above.

| | <u>By Phase</u> | <u>Cumulative</u> |
|--|-----------------|-------------------|
| 7.2.1 Schematic Design Phase | 18% | 18% |
| 7.2.2 Design Development Phase | 20% | 38% |
| 7.2.3 Construction Documents Phase | 37% | 75% |
| 7.2.4 Bidding or Negotiation Phase | 2% | 77% |
| 7.2.5 Construction Phase | 21% | 98% |
| 7.2.6 Record Drawing and Closeout Documents Submittal and Warranty | 2% | 100% |

7.3 No deduction shall be made from the A-E's compensation on account of penalty, liquidated damages or other sums withheld from payments to the Contractors.

7.4 If any work designed or specified by the A-E is abandoned or suspended, in whole or in part, the A-E will be paid for the service actually performed on account of it, provided that such abandonment or suspension is not caused by the non-feasance, malfeasance, fault and/or negligence of the A-E.

ARTICLE 8 CONSTRUCTION COST LIMITATION

8.1 The CCL, as defined herein, is to be used as a basis for determining whether the A-E has met its obligation under to this Agreement to design the project within the Owner's budget allowance.

8.2 The A-E Fee shall be a lump sum amount as stated in this Agreement whether the Owner chooses to award the project over the CCL or under the CCL. The A-E Fee will not be adjusted based on the actual construction cost of the Project.

ARTICLE 9 SCHEDULE

<<Insert Schedule from the RFQ for AE Services>> – or – if this is to be an attachment to the agreement, insert schedule as an Exhibit (i.e. Exhibit "E").

The schedule of events <<presented above>> << in Exhibit “_”>> represents a basic timeline for the project. With the exception of an adjustment to the Project Substantial Completion Date, a final and more detailed project timeline will be developed with the Owner and the selected General Contractor. The A-E can be expected to work with the ODSR and the selected General Contractor to optimize this initial schedule.

ARTICLE 10 TERMINATION OF AGREEMENT

- 10.1 Should either party be in material breach of this Agreement, the other party may give written notice to the breaching party that it intends to terminate this agreement for default absent appropriate corrective action upon the seventh calendar day following receipt of such notice by the breaching party. At such time and absent appropriate corrective action, the non-breaching party may terminate this Agreement in writing.
- 10.2 Owner may terminate this Agreement without cause upon the seven days' written notice. If Owner terminates this Agreement pursuant to this section, the A-E shall be paid for services performed to the termination date and any costs incurred by A-E for which the Owner is responsible under Article 2 of this Agreement. As a condition of the final payment involving such a termination, the A-E shall promptly and orderly arrange data accumulated and products of its professional services and deliver the same to the Owner.

ARTICLE 11 OWNERSHIP OF DOCUMENTS

- 11.1 At the completion or termination of services, and as a part of the Basic Services of this Agreement, the A-E shall deliver to the ODSR one clear set of reproducible drawings (not sepias), one printed copy of the specifications and one complete computer generated file on disk of all drawings and specifications, including all architectural clarifications and change order supplemental drawings. All such deliverables shall be marked as Record Documents. The Owner will retain ownership of the documents produced under this Agreement though the A-E shall be free to reuse any part of them as it sees fit in its sole discretion.
- 11.2 The A-E shall insert in the specifications that the CM@R will keep a current set of Project drawings and specifications on the job and will timely indicate changes made during construction as they occur. These documents will be reviewed at least monthly by the A-E and will inform the Owner of their status immediately after this review.

ARTICLE 12 SUCCESSORS AND ASSIGNS

The A-E binds itself, its partners, successors, assigns and legal representatives to the Owner, successors, assigns and legal representatives in respect to all covenants of this Agreement. Neither the Owner nor the A-E shall assign, sublet or transfer its interest in or delegate any of its duties under this Agreement without the written consent of the other.

ARTICLE 13 MISCELLANEOUS PROVISIONS

- 13.1 Public Information Pertaining To The Official Business Of Governmental Bodies And To Contracts By Certain State Governmental Entities That Involve The Exchange Or Creation Of Public Information. [Name of A-E firm] is required to make any information created or exchanged with the state pursuant to this Agreement, and not otherwise excepted from disclosure under the Texas Public Information Act, available in a format that is accessible by the public at no additional charge to the state. The following format(s) shall be deemed to be in compliance with this provision: [Insert description of acceptable formats].
- 13.2 Dispute Resolution. In the event of any dispute arising under this Agreement, the parties agree to follow the procedures set forth in Chapter 2260 of the Texas Government Code.

- 13.3 State Auditor's Office. A/E understands that acceptance of state funds under this Agreement acts as acceptance of the authority of the State Auditor's Office to conduct an audit or investigation in connection with those funds. A/E further agrees to cooperate fully with the State Auditor's Office in the conduct of the audit or investigation, including providing all records requested. A/E will ensure that this clause concerning the State Auditor's Office's authority to audit state funds and the requirement to cooperate fully with the State Auditor's Office is included in any subcontracts it awards. Additionally, the State Auditor's Office shall at any time have access to and the right to examine, audit, excerpt and transcribe any pertinent books, documents, working papers and records of A/E relating to this Agreement. A-E further understands that Owner may conduct a financial and/or performance audit of this Agreement and agrees to cooperate fully in such an audit to the same extent as an audit by the State Auditor's Office. The provisions of this Article 12 shall survive the termination of this Agreement.
- 13.4 Licensure of Architects. The Texas Board of Architectural Examiners, 333 Guadalupe, Suite 2-350, Austin, Texas 78701, Phone (512) 305-9000, has jurisdiction over individuals licensed under the Regulation of the Practice of Architecture Law, Texas Occupations Code, Section 1051.
- 13.5 Licensure of Engineers. The Texas Board of Registration for Professional Engineers, 1917 IH35 South, Austin, Texas 78741, Phone (512) 440-7723, has jurisdiction over individuals licensed under the Texas Engineering Registration Law, Texas Occupations Code, Section 1001.
- 13.6 Nondiscrimination: In their execution of this agreement, all contractors, subcontractors, their respective employees, and others acting by or through them shall comply with all federal and state policies and laws prohibiting discrimination, harassment, and sexual misconduct. Any breach of this covenant may result in termination of this agreement.
- 13.7 Compliance with Senate Bill 20. The parties acknowledge that, if required pursuant to the provisions of Senate Bill 20 (79th Legislature 2015), this agreement will be posted on the Owner's website.
- 13.8 No Waiver. Notwithstanding any provision of this agreement, nothing herein constitutes a waiver of the constitutional, statutory or common law rights, privileges, defenses or immunities of the parties.
- 13.9 Computer Project Management Software: A-E shall use the Owner's designated project management software system "e-Builder" to correspond and maintain all project related correspondence throughout the life of the project including project close-out and final payments.

ARTICLE 14 REPRESENTATIVES AND NOTICES

- 14.1 The Owner's Designated Representative ("ODR") authorized to act in the Owner's behalf with respect to the Project is:

Peter E. Graves, Vice Chancellor for Contract Administration
Texas State University System
Thomas J. Rusk State Building
208 East 10th Street, Suite 600
Austin, Texas 78701
Phone: (512) 463-1808 Fax No.: (512) 463-1816

14.2 The A-E's designated representative authorized to act on the A-E's behalf and bind the A-E with respect to the Project is:

Name/Title/Company/State/Texas/Zip/Phone/Fax

14.3 The Owner will identify in writing a person as its Owner's Designated Site Representative (ODSR) who will serve as the Component's point of contact for the A-E. The ODSR will not have authority to negotiate cost, time or Agreement terms or to issue Notices to Proceed, but will have the authority to make decisions on behalf of the Owner concerning coordination with the Component of the A-E's work on the site including, traffic controls, site safety, scheduling of utility outages, materials and color selections, and all matters within the Agreement that do not involve changes to the scope, cost and/or time for completion. The ODSR or designee, will coordinate and conduct quality inspections of the construction work as it is installed and authorize payment.

14.4 Any notices required or permitted under this Agreement shall be effective if sent to the representatives designated pursuant to this Article 13. The parties may make reasonable changes in their designated representatives upon advance written notice to the other party.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement, to be effective on the day and year first above written

For the Architect – Engineer:

For the Owner:

Principal (signature)

Date

Brian McCall, Ph.D., Chancellor
Texas State University System

Type or Write Name

Index to Exhibits:

- Exhibit A: Additional Services Included in Fee**
- Exhibit B: Owner's Design Development Submittal Guidelines**
- Exhibit C: _____ (firm) Hourly Rate Schedule**
- Exhibit D: Project Close-out and Owner Training Requirements**
- <<Exhibit E: AE Schedule>>**

EXHIBIT A

Additional Services Included in Fee

The following Additional Services are a part of this Agreement, and the fee for such services is included in the Fee set forth in Paragraph 2.1 of the Agreement:

1. Signage and graphics for wayfinding, both interior and exterior.
2. Telecommunications/data/security back bone infrastructure and equipment coordination.
3. Audio-Visual/Acoustics .
4. Theatrical, including theatre planning, theatre lighting, theatre equipment design and theatre consulting.
5. Fire protection and life safety.
6. Architectural lighting.
7. Parking and traffic studies.
8. Design to LEED-like silver certification. Prior to the completion of the Schematic Phase, the A-E shall provide to the Component an estimate of probable cost for the Project to achieve a LEED silver certification. This estimate of probable cost shall include those cost associated with both construction and design services. The A-E is expected to work with selected CM@R to determine the construction services portion of the estimate of probable cost.
9. Maximum beneficial use of Building Information Modeling (BIM) through close coordination with the Owner and the Construction Manager-At-Risk (CM@R) and their subcontractors and consultants. A-E will make the BIM products of its work fully available to the Owner and CM@R for their use in constructing and operating/maintaining the Project, subject only to receiving adequate liability protection against unauthorized modification or reuse of the Design. The BIM deliverable is expected to be utilized as a Facility Management tool for post construction use.
10. Full cooperation with and assistance to the Owner and CM@R during their development of an adequate Storm Water Protection Plan for the Project, including consultation during the preparation of the Storm Water Protection Plan, the Notice of Intent, and other required documents.

<<OPTIONAL: ADD ALTERNATE LANGUAGE>>

Services other than those included as Basic Services and the Additional Services set forth in Exhibit A may be required of the A-E based on the direction of the campus. If such services are required, they shall be provided by the Owner, contracted separately, or authorized in writing to be performed by the A-E for an additional fee. At the time of the execution of this agreement the following services may be provided for the fee as set forth below and executed under a separate amendment to the base agreement:

- | | |
|----------------------------|----------|
| 1. Add Alternate to _____ | \$ _____ |
| 2. Add Alternate to _____ | \$ _____ |
| 3. Add Alternate to _____ | \$ _____ |
| 4. Add Alternate to _____ | \$ _____ |
| 5. Add Alternate to _____ | \$ _____ |
| 6. Add Alternated to _____ | \$ _____ |
| 7. Add Alternate to _____ | \$ _____ |

The A-E compensation in Article 2 includes Schematic Design development for the above add alternates. The fee amounts above represent the Fee to complete development of the alternate(s) through the completion of the construction document phase and construction administration.

Note that these items were deleted from a previous Agreement but may be needed on other projects. These items were meant to be covered as “Exhibit A” instead of Article 4.

< **ARTICLE 4 ADDITIONAL SERVICES**

- 4.1 *Services other than those included as Basic Services and the Additional Services set forth in Exhibit A may be required of the A-E from time to time. If such services are required, they shall be provided by the Owner, contracted separately, or authorized in writing to be performed by the A-E for an additional fee. . Added services could include work normally provided by the Owner (ARTICLE 5) but assigned to the A-E, and services such as the following:*
- 4.1.1 *Providing financial feasibility, appraisals, rate studies, or other special economic studies;*
 - 4.1.2 *Providing master planning surveys;*
 - 4.1.3 *Making measured drawings of existing construction when required for planning additions or alterations thereto;*
 - 4.1.4 *Providing services required for the design, specification or procurement of equipment, movable furniture and furnishings, unless mutually agreed to be an item included in the Construction Contract;*
 - 4.1.5 *Providing services as an expert witness at the request of the Owner in connection with any public hearing arbitration proceeding, or the proceeding of a court of review;*
 - 4.1.6 *Providing design services relative to future facilities, which are not intended to be part of the Project;*
 - 4.1.7 *Providing services relative to formal building Commissioning;*
 - 4.1.10 *Providing design services relative to the physical security of the Project spaces and the provision of adequate security hardware and equipment and keying systems;*
 - 4.1.11 *Providing design services relative to art work selection and/ or coordination for its incorporation into the Project. >*

EXHIBIT B

Owner's Design Development Submittal Guidelines

The Board submittal at the Design Development stage shall contain the following items, each behind a separate tab:

The following describes the submittal package requirements for Components requesting Design Development approval from the Board of Regents. Please note that this is only the information that is required to present the project to the Board of Regents for their approval and does not address what is required for a complete Design Development submittal.

1. **Architectural Renderings:** A complete set of Architectural Exterior Elevations reflecting a complete architectural design concept if exterior is altered by the project (by prior Component/System Office agreement). Submitted rendering shall be free of dimensioning and grid lines. Spaces should be clearly labeled with shading/coloring where possible to communicate any spatial adjacency relationships.
2. **Complete Set of Architectural Floor Plans (90% complete*):** Submitted drawings should be free of excessive dimensioning and grid lines. Spaces should be clearly labeled with shading/coloring where possible to communicate any spatial adjacency relationships.
3. **Enlarged Architectural Floor Plans:** Showing major core areas such as entryways, elevator lobbies, typical functional rooms (like classrooms), utility room layout, etc. (90% complete*).
4. **Complete Listing of All Major Building Systems:** Selection of every system is required (i.e. drilled caisson foundations, reinforced concrete frame, two-way slab construction, brick façade with precast elements, built up flat roof, chilled water/hot water HVAC fed from central plant, etc.).
5. **Detailed Cost Estimate:** Prepared by an independent estimator and/or construction manager, in CSI 35 Division format taken off the submitted Design Development drawings with very few Lump Sum/\$\$ per gross square foot estimates.
6. **Total Project Cost (TPC):** A summary TPC breakdown by construction cost, design cost, moveable furnishings cost, other work costs miscellaneous costs, project contingencies and fees.
7. **Cost Comparison:** A summary showing the cost of this project compared to similar size and type projects recently built in the region under similar conditions, or a statement that no such comparable projects have been identified. Information regarding projected operating and maintenance costs of the facility or (in the case of renovation) the projected impact of the project on operating and maintenance costs.
8. **Environmental Impact:** Information regarding the projected environmental impact of the project.
9. **Certification:** By the Component and System Office that the submittal has been reviewed and found to be a complete and satisfactory Design Development package. (This will be based partially on informal certification by Architect/Engineer of Record for every discipline that the design is complete, all calculations are completed, all major equipment has been sized, etc., such that there is nothing left to do but provide details and prepare construction documents). This statement may be included with the Board Motion rather than the submittal package.
 - * 90% Complete means the actual floor plans are frozen and will not change. There can be minor dimensioning missing and incomplete referencing to supporting detail drawings needed to complete the architectural design.

This submittal shall be delivered in hard copy and in electronic form (PDF format): Eight (8) 3-ring binders shall be delivered to the System Office), plus however many the Component may need.

EXHIBIT C

Name of Firm
Hourly Rate Schedule

PERSONNEL

HOURLY RATE US \$

TEMPORARY

EXHIBIT D

Close-Out Procedures

| System/Component Description | Spec. Section Materials | Record Submission | O & M Manuals | Equipment to be Furnished | Training | Manufacturers Extra Warranty | |
|--------------------------------------|-------------------------|-------------------|---------------------------------------|---------------------------|----------|------------------------------|-------|
| General Conditions | UGC. 2005 | | 9.1.1 Prior to Substantial Completion | | | 11.1 11.2 | |
| Project Closeout | 01705 | | 1.4.E & J | | 3.1 | 1.4.C | 1.4.F |
| Project Record Documents | 01720 | | | | | | |
| - Record Drawings, Specs | 01720 | 1.3, 1.4 | | | | | |
| - Record Product Data | 01720 | 1.5 | | | | | |
| - Maintenance Manuals | 01720 | | 1.7 | | | | |
| - Mockups | 01720 | 1.6 | | | | | |
| - Misc. Submittals | 01720 | 1.8 | | | | | |
| Warranties & Bonds | 01740 | | | | | 1.4 | |
| | | | | | | | |
| Building Systems | | | | | | | |
| Irrigation System | 02811 3.1 | 1.4.B, C | | 1.4, Tools | | 1.7, 1 year | |
| Landscape Planting | 02900 | | | | | 1.6, 1 year | |
| Hot Fluid-Applied Waterproofing | 07142 | | | | | 1.8, 10 years | |
| Exterior Insulation & Finish Systems | 07241 | | | | | 1.10, 5 years | |
| Coal Tar Elastomeric Roofing | 07535 07535 | | | | | 1.9, 20 years | |
| Joint Sealants | 07920 | | | | | GE Gold? | |
| Interior Aluminum Frames | 08125 | | | | | 1.8, life | |
| Flush Wood Doors | 08211 | | | | | 1.7, varies | |
| Aluminum Framed sliding-glass doors | 08316 | | | | | 1.7, 5 years | |
| Rolling Smoke Barriers | 08380 | | | | | 1.6, 1 year | |

| | | | | | | | |
|--|-------|------|------|--------------|----------------------|----------------|----------|
| Automatic Sliding Glass Doors | 08460 | | | | | 1.7, 5 years | |
| Aluminum Windows | 08520 | | | | | 1.8, varies | |
| Glazed Aluminum Curtain Walls | 08920 | | | | | 1.9, 5 years | |
| Ceramic Tile | 09310 | | | | | | 1.7, 5% |
| Acoustic Panel Ceilings | 09511 | | | | | | 1.7, 5% |
| Resilient Tile Flooring | 09651 | | | | | | 1.8, 2% |
| Resilient Wall Base | 09653 | | | | | | 1.8, 2% |
| Resilient Wall Base | 09653 | | | | | | 1.8, 2% |
| Carpet | 09680 | | | | | 1.10, 1 year | 1.7, 1% |
| Carpet Tile | 09690 | | | | | 1.10, 15 years | 1.11, 1% |
| Acoustic Wall Panels | 09841 | | | | | | 1.7, 2% |
| Visual Display Boards | 10100 | | | | | 1.6, 5 years | |
| Access Flooring | 10270 | | | | | | 1.10 |
| Toilet Accessories | 10800 | | | | | 1.6, 2 years | |
| Audio-Visual | 11200 | | | As specified | Page 13, | Page 2, 1 year | |
| Photo Laboratory Equipment | 12511 | | | As specified | | 3.07, 1 year | |
| Electric Traction Elevators | 14210 | | | | 3.5 | 1.7, 1 year | |
| General Mechanical Requirements | 15010 | | | | | | |
| - Record Drawings, Specs | | 12.3 | | | | | |
| - Operational & Maintenance Data | | | 12.4 | | | | |
| - Warranties & Guarantees | | | | | 12.7 | 12.5, 1 year | |
| - Final Construction Review | | | | | 12.6 | | |
| Piping Expansion Compensation | 15121 | 1.6 | 1.7B | | | 1.10, 5 years | |
| Motors & Controllers | 15170 | 1.5 | 1.6 | | | 1.10, 3 years | 1.11 |
| Variable Frequency Drives | 15171 | 1.5 | 1.6 | | | | |
| Vibration Isolation | 15245 | 1.8 | | | | | |
| Fire Protection Piping | 15310 | 1.6 | 1.7 | | | | |
| Fire Pumps | 15320 | 1.6 | 1.7 | | | 1.12, 1 year | 1.13 |
| Fire Sprinkler Systems | 15325 | 1.7 | 1.8 | | 3.1.F.6, 16 hours | | 1.13, 1% |
| Plumbing Piping | 15410 | 1.6 | 1.7 | 1.13 | | | 1.13 |
| Plumbing Specialties | 15430 | 1.6 | 1.8 | 1.10 | | | 1.10 |
| Plumbing Fixtures | 15440 | 1.6 | 1.7 | | | 1.10, 5 years | 1.11 |
| Plumbing Equipment | 15450 | 1.5 | 1.6 | | | 1.10, 5 years | |
| Hydronic Piping | 15510 | 1.6 | 1.7 | | | | |


THE TEXAS STATE UNIVERSITY SYSTEM

| | | | | | | | |
|--------------------------------------|-------|-----------------|------------------|------------------|--------------------------------------|------------------|-------|
| Hydronic Specialties | 15515 | | 1.6 | | | 1.10 | 1.11 |
| Hydronic Specialties | 15520 | | | | | | 1.11 |
| Steam & Condensate Specialties | 15225 | | | | | | 1.11 |
| Chilled & Heating Water Pumps | 15540 | | 1.6 | | | | 1.9 |
| Packaged Terminal Air Cond. Units | 15782 | | 1.6 | | | 1.10, 5 years | |
| Fans | 15860 | | 1.6 | | | | 1.9 |
| Air Cleaning Devices | 15885 | | 1.7 | | | | 1.13 |
| Ductwork Accessories | 15910 | | | | | | 1.9 |
| Air Terminal Units | 15930 | 1.8 | 1.9 | | | 1.12, 5 years | |
| Air Outlets and Inlets | 15940 | 1.6 | | | | | |
| Testing & Balancing | 15990 | 1.6 | | | | | |
| | | | | | | | |
| General Electrical Provisions | 16010 | | | | | | |
| - Record Drawings, Specs | | 3.6 | | | | | |
| - Operational & Maintenance Data | | | 3.4 | | | | |
| - Warranties & Guarantees | | | | | | | |
| - Final Construction Review | | | | | 3.5.B | | |
| Feeder & Plug-In Busway | 16465 | 1.6.B | 1.6.C | | | | |
| Motor Control Centers | 16482 | | 1.6 | | | | |
| Lighting | 16482 | | | 3.2.B Re-lamp | | | |
| Static UPS | 16610 | | | | | 1.9, 3.3.A | 3.3.B |
| Packaged Engine Generator Systems | 16620 | | 1.4 | | | 1.8 | |
| Lightning Protection Systems | 16670 | 1.7 | | | | 1.8 | |
| Fire Alarm Systems | 16720 | | | | 3.2- testing | 3.3 | |
| Telecommunications Equip. & wiring | 16741 | 1.4 | | | | 1.7, 1 year | |
| CATV/CCTV System | 16771 | 3.6 | 3.7 | | 3.9 | 3.4, 3.8, 1 year | |
| Facility Info. Management Systems | 17000 | PG 15 Line 3 | PG 15 Line 23 | PG 14 Line 42 | PG 14 line 27 PG 17 Line 29 | | |