

**DESIGN – BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY, INC.**

THIS DESIGN - BUILD AGREEMENT (this “Agreement”) is made February __, 2019, by and between the Rio Nuevo Multipurpose Facilities District, an Arizona tax levying public improvement district (the “District”), and Lloyd Construction Company, Inc., an Arizona corporation (the “Contractor”), for complete design and construction services related to the renovation of the Tucson Convention Center ice rink refrigeration system and other items as deemed necessary by the District (the “Project”). The District and the Contractor are referred to herein individually as a “Party” and collectively as the “Parties.”

**ARTICLE 1
GENERAL**

1.1 Project Summary. The Contractor shall perform all pre-construction services set forth in Article 2 below (the “Pre-Construction Services”) and, subject to Section 1.2 below, management and construction services set forth in Article 4 below (the “Construction Services”) (the Pre-Construction Services and the Construction Services are collectively referred to as the “Services”), including providing all material, equipment, tools and labor necessary to complete the Work (as defined below) described herein and reasonably inferable from the Contract Documents (as defined below), including the upgrades and improvements to be encompassed in the Project. The Contractor will also take the necessary steps to ensure that the Project design is constructible within the established budget.

1.2 Phased Agreement. The Services contemplated by this Agreement shall be carried out in several distinct phases. The initial Services shall be to provide Pre-Construction Services including (A) such environmental investigation services as applicable pursuant to Section 2.1 below, (B) creating all design documents including the Construction Documents pursuant to Section 2.2 below and (C) the Pre-Construction Phase General Services, pursuant to Section 2.3 below (the “Pre-Construction Phase General Services”). The Contractor shall be compensated on an hourly basis, at the agreed-upon hourly rates and a stipulated not-to-exceed total fee, for the Pre-Construction Services as set forth in Section 7.1 below, provided that such services may extend through the construction phase for various components of the Project. At the point in the Pre-Construction Services as determined by the District, the District may, in its sole discretion, request that the Contractor submit a proposal for a guaranteed maximum price (“GMP”) for construction of the Project, which may be submitted as a single GMP or as multiple GMPs at the District’s sole discretion. The Contractor shall prepare and submit the GMP Proposals pursuant to Article 3 below. If the District and the Contractor agree upon the respective GMP Proposals, the Contractor shall furnish, with respect to each GMP Proposal (A) such environmental investigation services as applicable pursuant to Section 2.1 below and (B) the Construction Services set forth in Article 4 below. If the District and the Contractor cannot, after good faith efforts, agree on the GMP, the District may, in its sole discretion, terminate this Agreement (subject to the terms and conditions set forth in Section 12.2 below).

1.3 Definitions.

A. “Additional Services” means services not initially included as part of the Work, but which are later identified as necessary or desirable by the District, as more fully described in Section 4.17 below.

B. “Applicable Law” means any law, rule, code, regulation, requirement, action, determination, guideline, or order of, or any legal entitlement issued by, any governmental body having jurisdiction, applicable or relating to the design, permitting, construction, equipping, financing, ownership, possession, or any other transaction or matter contemplated hereby relating to the design and construction of the Project.

C. “Change Directive” means a written order prepared and signed by the District and the Contractor, approving a change in the Work that does not require an adjustment in the Contract Price or the Contract Time.

D. “Change Order” means a contract amendment issued after execution of this Agreement or future GMP Amendments signed by the District, Contractor and other parties, as may be required or appropriate, agreeing to an addition, deletion or revision in the scope of Work, an adjustment to the Contract Price, an adjustment to the Contract Time or other modifications to Contract terms.

E. “District’s Contingency” means a fund used at the discretion of the District, usually for costs that result from District-directed changes.

F. “Construction Documents” means the plans, Specifications and drawings prepared by the Contractor after correcting for permit review requirements, and as approved by the District Manager or authorized designee. The Construction Documents, once approved by the District as 100% complete, shall be attached hereto as Exhibit A and incorporated herein by reference.

G. “Construction Fee” means the portion of Contractor’s compensation not related to Direct Construction Costs, as set forth in Subsection 3.4 below.

H. “Contract Documents” means all of the following:

1. Change Orders and written amendments to this Agreement, including the amendments, if any, relating to the respective GMPs (the “GMP Amendments”), signed by both the District and the Contractor, attached hereto as Exhibit B and incorporated herein by reference.

2. This Agreement.

3. The Construction Documents.

4. The Contractor’s Guaranteed Maximum Price Proposals (the “GMP Proposals”), attached hereto as Exhibit C and incorporated herein by reference, including but not limited to:

a. The Contractor's proposed scope of services and fee breakdown for each GMP Proposal (the "Scope").

b. The Master Schedule relating to the applicable Scope developed in accordance with Subsection 2.3(C) below and updated as set forth in this Agreement, attached hereto as Exhibit D and incorporated herein by reference.

5. The District's Request for Qualifications (the "RFQ") a copy of which without Exhibit B is attached hereto as Exhibit E and incorporated herein by reference.

6. The Contractor's response to the District's RFQ attached hereto as Exhibit F and incorporated herein by reference.

In case of any inconsistency, conflict or ambiguity among the Contract Documents, the documents shall govern in the order in which they are listed above.

I. "Contract Price" means the total compensation to be paid to the Contractor, as more fully described in Article 7 below.

J. "Contract Time" means the Days, as set forth in Article 6, indicating the period of time, including authorized adjustments, allotted in the Contract Documents to achieve Substantial Completion of the Work.

K. "Cost Model" means the detailed cost information for the Project as described in Subsection 2.3(D) below.

L. "Cost of the Work" means the portion of Direct Construction Costs necessarily incurred by the Contractor in the proper performance of the Work as more specifically set forth in Section 3.3(B) below.

M. "Critical Path" means the sequence of activities from the start of the Work to Substantial Completion of the Project for which any delay in the completion of these activities will delay achieving Substantial Completion.

N. "Day(s)" means calendar day(s) unless otherwise specifically noted in the Contract Documents.

O. "Differing Site Conditions" means concealed or latent physical conditions or subsurface conditions at the Site that are of an unusual nature, differing materially from the conditions ordinarily encountered and generally recognized in the area of the Site as inherent in the Work.

P. "Direct Construction Costs" means General Conditions Costs and Cost of the Work as set forth in Section 3.3 below.

Q. “Environmental Conditions” means collectively, Hazardous Materials and Underground Storage Tanks.

R. “Environmental Damages” means all claims, judgments, damages, losses, penalties, fines, liabilities, encumbrances, liens, costs and expenses of investigation and defense of any claim, including, without limitation, attorney’s fees, that are incurred at any time as a result of the existence of Environmental Conditions upon, about or beneath the Project Site or migrating or threatening to migrate to or from the Site, and including, without limitation:

1. Damages for personal injury, or injury to property or to natural resources occurring upon or off the Site.

2. Fees incurred for the services of attorneys, consultants, the Contractor, experts, laboratories and all other costs incurred in connection with the investigation or remediation of such Environmental Conditions or violation of Environmental Requirements.

3. Liability to any third party or governmental agency or political subdivision to indemnify such party, agency or political subdivision for costs expended in connection with the items listed in Subsections 1.3(R)(1) and (2) above.

S. “Environmental Requirements” means all applicable laws, statutes, regulations, rules, ordinances, common law codes, licenses, permits, orders and similar items of all governmental agencies or other instrumentalities of the United States, the State of Arizona, Pima County and all applicable judicial, administrative and regulatory decrees, judgments and orders relating to the protection of human health or the environment, including, without limitation:

1. (a) Comprehensive Environmental Response, Compensation and Liability Act of 1980 (“CERCLA”) (42 U.S.C. § 9601, *et seq.*), as amended by the Superfund Amendments and Reauthorization Act of 1986, and as further amended from time to time, and regulations promulgated thereunder; (b) defined as a “regulated substance” within the meaning of Subtitle I of the Resource Conservation and Recovery Act (“RCRA”) (42 U.S.C. § 6691 *et seq.*), as amended from time to time, and regulations promulgated thereunder; (c) designated as a “hazardous substance” pursuant to Section 311 of the Clean Water Act (33 U.S.C. § 1321), as amended from time to time, and the regulations promulgated thereunder, or listed pursuant to Section 307 of the Clean Water Act (33 U.S.C. § 1317), as amended from time to time, and the regulations promulgated thereunder; (d) the Clean Air Act (42 U.S.C. § 7401 *et seq.*), as amended from time to time, and regulations promulgated thereunder; (e) regulated under the Toxic Substances Control Act (15 U.S.C. § 2601, *et seq.*); (f) Federal Insecticide, Fungicide and Rodenticide Act (7 U.S.C. § 136 *et seq.*); (g) the Solid Waste Disposal Act (42 U.S.C. § 6901 *et seq.*), as amended from time to time, and regulations promulgated thereunder; or (h) defined as “hazardous”, “toxic”, or otherwise regulated, under any Environmental Requirements adopted by the state in which the Site is located, or its agencies or political subdivisions.

2. Asbestos or asbestos-containing materials.

3. All requirements, including but not limited to, those pertaining to reporting, licensing, permitting, investigation and remediation of emissions, discharges, releases or threatened releases of Hazardous Materials into the air, surface water, ground water or land, or relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials.

4. All requirements pertaining to the protection of the health and safety of employees or the public.

T. “Final Completion” means completion of the Project, including Punch List items, by the Contractor in accordance with the Contract Documents, certified to the District by the Contractor.

U. “Float” means the number of Days by which an activity can be delayed without lengthening the Critical Path and extending the Substantial Completion date.

V. “General Conditions Costs” means a portion of the costs incurred by Contractor during the construction phase, as set forth in Section 3.3(A) below.

W. “Hazardous Materials” means any substance as defined under Environmental Requirements including:

1. The presence of which requires notification, investigation or remediation under federal, state or local law, statute, regulation, ordinance, order, action, policy or common law.

2. Which is or becomes defined as a “hazardous waste”, “hazardous substance”, pollutant or contaminant under any federal, state or local law, statute, regulation, rule or ordinance or amendments thereto.

3. Which is petroleum, petroleum products, including crude oil or any fraction thereof not otherwise designated as a “hazardous substance” under CERCLA, including without limitation gasoline, diesel fuel or other petroleum hydrocarbons; and, ethanol, methyl tertiary butyl ether or derivatives or constituents of or vapors from any of the foregoing.

4. Which is toxic, explosive, corrosive, flammable, infectious, radioactive, carcinogenic, mutagenic, or otherwise hazardous and is or becomes regulated by any governmental authority or instrumentality of the United States or the State of Arizona.

5. The presence of which on the Site causes or threatens to cause a nuisance upon the Project Site or to the adjacent properties or poses or threatens to pose a hazard to the health or safety of persons on or about the Site.

6. The presence of which on adjacent properties could constitute a trespass by the Contractor or the District.

X. “Master Schedule” is defined as set forth in subsection 2.3(C) below.

Y. “Project Record Document(s)” means the document(s) created pursuant to Section 4.12.

Z. “Punch List” means that list of items provided by District to the Contractor at the time of Substantial Completion indicating items to be completed or corrected, including the time for completion or correction by the Contractor after Substantial Completion.

AA. “Shop Drawings” means drawings, diagrams, schedules and other data specially prepared for the Work by the Contractor or a Subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work.

AB. “Site” means the land or premises on which the Project is located.

AC. “Specifications” means the part(s) of the Contract Documents for the construction phase consisting of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work and certain administrative details applicable thereto.

AD. “Subcontractor” means a person or entity employed or engaged by the Contractor or any person or entity directly or indirectly in privity with the Contractor to perform any portion of the Work. The term Subcontractor does not include any separate contractor employed by the District.

AE. “Substantial Completion” means construction has been completed in accordance with the Contract Documents to the extent that the District can use or occupy the entire Project, or the designated portion of the Project, for the use intended without any outstanding, concurrent construction at the Site, except as may be required to complete or correct Punch List items.

AF. “Underground Storage Tank” shall have the definition assigned to that term by § 9001 of RCRA, 42 U.S.C. § 6991, as amended, and also shall include: (1) any tank of 1,100 gallons or less capacity used for storing motor fuel; (2) any tank used for storing heating oil for consumption on the premises where stored; (3) any tank used for storing waste oil; (4) any septic tank; and (5) any pipes with oil dispensers connected to items listed in clauses 1.3(AA)(1) and 1.3(AA)(2) above.

AG. The “Work” means, collectively, the (1) environmental investigation set forth in Section 2.1 below, (2) Creating all design documents, including the Construction Documents and design remedies set forth in Section 2.2 below, (3) Pre-construction Phase General Services set forth in Section 2.3 below, (4) Construction Services provided in accordance with Article 4 below, if applicable, (5) Additional Services that may be provided pursuant to an approved Change Directive or Change Order in accordance with Article 8 below

and (6) other services that are necessary to complete the Project in accordance with and reasonably inferable from the Contract Documents.

1.4 Cooperative Relationship. The District and the Contractor agree to proceed with the Project on the basis of trust, good faith and fair dealing, and shall take all actions reasonably necessary to perform this Agreement in an economical and timely manner, but without sacrificing quality. The District and the Contractor agree to consider design modifications and alternative materials or equipment if necessary to permit the Project to be constructed by the dates of Substantial Completion and Final Completion, as established by the mutually-agreed-upon Master Schedule attached hereto.

1.5 District Representations.

A. District's Project Manager. District has either designated a District staff member to act as District's Project Manager and/or has contracted separately with a person, firm or corporation to act as District's Project Manager. The District's Project Manager has no design responsibilities of any nature. None of the activities of District's Project Manager supplant or conflict with the design, budget, or any other services and responsibilities furnished by the Contractor. All instructions by the District relating to this Agreement will be issued or made through the District's Project Manager. All communications and submittals of Contractor to the District shall be issued or made through the District's Project Manager unless the District or the District's Project Manager shall otherwise direct. The District's Project Manager shall not unreasonably withhold approval for the Contractor to communicate directly with other District officials. Throughout the term of this Agreement the District's Project Manager shall have the authority to establish procedures, consistent with this Agreement, to be followed by the Contractor and to call periodic conferences to be attended by the Contractor and the Contractor's Subcontractors.

B. Limited Project Management. None of the District's project management activities are intended to supplant or conflict with the design, budget, or any other services and responsibilities customarily furnished by the Contractor or its Subcontractors, except as otherwise specifically modified by this Agreement.

C. No Third Party Relationships. The Contractor assumes responsibility to District for the proper performance of the work of Subcontractors and any acts and omissions in connection with such performance. Nothing in the Contract Documents is intended or deemed to create any legal or contractual relationship between District and any level of Subcontractor, including but not limited to any third-party beneficiary rights. Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against the District or the Contractor.

D. Requests for Information. The District shall examine requests for information/direction submitted by the Contractor and shall render decisions thereto promptly. The District shall furnish required information and approvals and perform its responsibilities and activities in a timely manner to facilitate orderly progress of the Work (1) in cooperation with the Contractor, (2) consistent with this Agreement and (3) in accordance with the planning and scheduling requirements and budgetary restraints of the Project as determined by the District.

E. Notice to Contractor of Defect. If the District observes or otherwise becomes aware of any fault or defect in the Project or nonconformity with the Contract Documents, the District shall give written notice thereof to the Contractor.

F. Approvals. The District shall secure, submit and pay for necessary approvals, easements, assessments, permits and charges required for the Project.

G. Communication. The District, its representatives and consultants shall communicate with the Subcontractors only through the Contractor unless otherwise directed or permitted by the Contractor.

H. Notices. The District shall send to the Contractor copies of all notices and communications sent to or received by the District relating to the Contractor's Services with respect to the Project.

1.6 Contractor Representations.

A. Standards. The Contractor shall provide the design, professional management and construction services for the Project in accordance with the terms and conditions of this Agreement. The Contractor covenants with the District to furnish its skill and judgment with due care and in accordance with the highest standards of its profession and with Applicable Law in effect on the date of this Agreement or as subsequently amended.

B. Subcontractor Selection Program. In conjunction with its response to the District's RFQ, the Contractor submitted to the District a written procedure in conformance with ARIZ. REV. STAT. § 34-601 *et seq.*, as amended, for qualifications-based selection of Subcontractors to be utilized in completion of the Project (the "Subcontractor Selection Program"), which is attached hereto as Exhibit G and incorporated herein by reference. The Contractor shall conduct a telephone and correspondence campaign to attempt to create interest among Subcontractors. The Contractor shall develop and coordinate procedures to provide answers to Subcontractors' questions. The Contractor shall use best efforts to utilize minority business enterprises, woman business enterprises and local contractors or suppliers. The Contractor shall ensure that each Subcontractor has secured the required business licenses, permits, insurance and bonds. The Contractor shall be solely responsible for ensuring (1) the Subcontractor Selection Program is in conformance with Applicable Law and (2) all Subcontractors are selected in accordance with the Subcontractor Selection Program. The Contractor shall defend, indemnify and hold harmless the District, its agents, representatives, officers, directors, officials and employees for, from and against all claims, damages, losses and expenses (including, but not limited to, attorney fees, court costs and the cost of appellate proceedings) relating to, arising out of, or alleged to have resulted from the Contractor's failure to appropriately select its Subcontractors. Additionally, as part of the Contractor's submittal of any GMP Proposal under this Agreement, the Contractor shall utilize the Subcontractor Selection Program to meet its requirements under Section 3.7 below.

C. Key Personnel. The Contractor shall provide to the District a list of the proposed key project personnel of the Contractor and its Subcontractors to be assigned to the

Project. This list shall include such information on the professional background of each of the assigned individuals as may be requested by the District. Such key personnel and consultants shall be satisfactory to the District and shall not be changed except with the consent of the District. The Contractor will maintain an adequate number of competent and qualified persons, as determined by the District, to ensure acceptable and timely completion of the Services described in this Agreement. If the District objects, with reasonable cause, to any of the Contractor's staff, the Contractor will take prompt corrective action acceptable to the District and, if required, remove such personnel from the Project and replace with new personnel with qualifications acceptable to the District. Additionally, the District shall have the right to request that the Contractor personnel be removed from the Project if, in the District's sole discretion, such personnel are detrimental to the Project delivery process. Upon receipt of such request, the Contractor shall remove such personnel unless the Contractor can provide the District with sufficient documentation to prove it is commercially impractical to replace the personnel with similarly qualified personnel. The District's approval of substituted personnel shall not be unreasonably withheld.

D. Project Designers. The Contractor shall provide or procure architecture, landscape and engineering services as necessary to complete the services. Architecture, landscape and engineering services shall be (i) procured from licensed, independent design professionals retained by the Contractor or (ii) furnished by licensed employees of the Contractor and such services shall be provided as required or as permitted by the laws of the state of Arizona. The persons or entities providing architecture, landscape and engineering services shall be referred to as the "Project Designers." If the Project Designers are independent design professionals, the architectural and engineering services shall be procured pursuant to a separate agreement between the Contractor and the Project Designers.

E. Site Conditions. The Contractor represents that it has taken steps reasonably necessary to ascertain the nature and location of the Work related to the Project, and that it has investigated and satisfied itself as to the general and local conditions and constraints that are applicable to the Work such as (1) conditions bearing on transportation, disposal, handling and storage of materials, (2) the availability of labor, water, power and roads, (3) normal weather conditions, (4) observable physical conditions at the Site, (5) the surface conditions of the ground and (6) the character of equipment and facilities needed prior to and during the performance of the Work. To the extent the Contractor encounters subsurface or concealed conditions that differ materially from those which could reasonably have been determined from a Site surface investigation by the Contractor on the date of this Agreement or from those ordinarily found to exist and generally recognized as inherent in the activities of the character provided in the Contract Documents, then the Contractor shall give notice to the District promptly before conditions are disturbed and in no event later than seven Days after the first observance of the conditions if a Change Order is contemplated by the Contractor due to such conditions. Such materially different conditions, if discovered after a GMP is approved, may entitle the Contractor to an equitable adjustment in the applicable GMP or schedule pursuant to the Change Order provisions set forth in Article 8 below.

1.7 District and Subcontractors. The District will require the Contractor to contract directly with such Subcontractors as may be necessary for construction or supply of the Project. All such contracts shall be issued consistent with (A) the applicable provisions of this Agreement

and (B) Applicable Law, including, but not limited to, the requirements of ARIZ. REV. STAT. § 34-603 relating to inclusion of the Project's physical location in all subcontracts.

1.8 Data Confidentiality.

A. Data Defined. As used in this Agreement, "data" means all information, whether written or verbal, including plans, photographs, studies, investigations, audits, analyses, samples, reports, calculations, internal memos, meeting minutes, data field notes, work product, proposals, correspondence and any other similar documents or information prepared by or obtained by the Contractor in the performance of this Agreement.

B. Confidentiality. The Parties agree, subject to Arizona public records law, that all data, including originals, images, and reproductions, prepared by, obtained by, or transmitted to the Contractor in connection with the Contractor's performance of this Agreement is confidential and proprietary information belonging to the District.

C. Use of Data. The Contractor will not divulge data to any third party without prior, written consent of the District. The Contractor will not use the data for any purposes except to perform the Services required under this Agreement. These prohibitions will not apply to any of the following data, provided the Contractor has first given the required notice to the District:

1. Data that was known to the Contractor prior to its performance under this Agreement, unless such data was acquired in connection with work performed for the District.

2. Data that was acquired by the Contractor in its performance under this Agreement, and which was disclosed to the Contractor by a third party, who to the best of the Contractor's knowledge and belief, had the legal right to make such disclosure and the Contractor is not otherwise required to hold such data in confidence.

3. Data that is required to be disclosed by the Contractor by virtue of law, regulation, or court order.

D. Disclosure Notice. In the event the Contractor is required or requested to disclose data to a third party, or any other information to which the Contractor became privy as a result of any other contract with the District, the Contractor will first notify the District as set forth in this section of the request or demand for the data. The Contractor will timely give the District sufficient facts, such that the District can have a meaningful opportunity to either first give its consent or take such action that the District may deem appropriate to protect such data or other information from disclosure.

E. Return After Completion. The Contractor, unless prohibited by law, within 10 Days after completion of services for a third party on real or personal property owned or leased by the District, will promptly deliver, as set forth in this Section, a copy of all data to the District. All data will continue to be subject to the confidentiality requirements of this Agreement.

F. Contractor Responsible. The Contractor assumes all liability for maintaining the confidentiality of the data in its possession and agrees to compensate the District if any of the provisions of this Section are violated by the Contractor, its employees, agents or Subcontractors. For the purposes of seeking injunctive relief, it is agreed that a breach of this Section will be deemed to cause irreparable harm that justifies injunctive relief in court.

ARTICLE 2 PRE-CONSTRUCTION SERVICES

2.1 Environmental Investigation.

A. Discovery. Upon written notice from the District or upon the Contractor's discovery of Environmental Conditions on the Site, the Contractor shall recommend, for execution by the District, one or more contracts ("Environmental Contracts") with suitably qualified consultants and/or engineers ("Environmental Engineers"), each of which Environmental Engineer and which form of Environmental Contract shall be subject to the approval of the District, for purposes of performing an investigation and analysis of the Site prior to demolition and excavation activities, to determine the presence of any Environmental Conditions on, in or under the Site. The Environmental Contracts shall provide for a commercially reasonable scope of investigation and costs approved by the District, and may provide for conducting the investigation and testing in phases acceptable to the District. The Environmental Contracts shall also provide that the Environmental Engineers shall begin their tests and inspections at the Site as soon as the District is able to arrange access to the Site, or any portions thereof, for such purposes. The Environmental Contracts shall provide that the Contractor, acting as agent of the District, shall coordinate the activities of the Environmental Engineers with the Work.

B. Assessment; Remediation Analysis. The Environmental Contracts shall provide that the Environmental Engineers shall prepare such reports, feasibility studies and remedial plans in accordance with applicable local, state, and federal rules, regulations, and laws, including the federal "all appropriate inquiry" Standard and American Society for Testing and Materials, ASTM E1527-13 ("Environmental Assessments") as may be reasonably necessary in order to identify and explain the quantity, scope and nature of the Environmental Conditions found to exist at the Site. The Environmental Assessments shall contain a detailed analysis of the Environmental Conditions discovered, and the actions ("Remedial Actions") required for the response, removal, cleanup or remediation of such Environmental Conditions (1) that are required by Environmental Requirements, or (2) that are reasonably necessary to mitigate Environmental Damages.

C. Impact on Master Schedule. The Environmental Contracts shall provide that the Environmental Engineers shall promptly provide the District and the Contractor with a copy of each Environmental Assessment, together with any other reports and test results generated pursuant to the Environmental Contracts. The Contractor shall, promptly after receipt of the foregoing matters from the Environmental Engineers, prepare and submit to the District a written report setting forth the Contractor's understanding of whether and to what extent any

recommended Remedial Actions may result in an amendment to the Master Schedule and the progress of the Work.

D. Notice; Permitting. The Environmental Contracts shall require the Environmental Engineers to (1) give notice to the District of the presence of Environmental Conditions, (2) only upon the written consent of the District, give any necessary notice to the Federal government and the State of Arizona or other agencies of the presence of any Environmental Conditions, (3) assist the District in negotiations with Federal and Arizona agencies concerning preparation and approval of a plan for clean-up to the extent required and (3) obtain all necessary permits to perform any Remedial Actions.

E. Remediation Contractors. If so instructed by the District, based upon the results of the Environmental Assessments, the Contractor shall assist the District with obtaining bids from remediation contractors ("Remediation Contractors") suitably qualified and approved by the District to perform the Remedial Actions selected by the District. If the District elects to go forward with all or any portion of the Remedial Actions covered by the bids submitted, the District will so advise the Contractor in a written notice on or before the date that is 60 Days after receipt of the foregoing matters from the Contractor. Thereafter, the District shall execute contracts with the selected Remediation Contractors ("Remediation Contracts").

F. Coordination. Unless otherwise instructed, the Contractor, as agent for the District, shall be responsible for coordinating the work and services performed by the Remediation Contractors with the Work.

G. Payment for Remediation. The District will make all payments due under the Environmental Contracts and the Remediation Contracts directly to the Environmental Engineers and the Remediation Contractors. Such payments will be based on requisitions, which requisitions shall be approved by the Contractor prior to submission to the District. All payments due under the Environmental Contracts, the Remediation Contracts and for Environmental Damages, shall not be a part of the applicable GMP, and shall be the sole responsibility of the District, except as expressly provided otherwise.

H. Additional Discovery. If, in the course of performance of the Work, the Contractor encounters on the Site any Environmental Conditions not previously disclosed and remediated by the Environmental Engineers or the Remediation Contractors, the Contractor shall immediately suspend the Work in the area affected and promptly thereafter report the condition to the District.

I. Contractor Responsibility. Except as set forth in Subsection 2.1(L) below, it is understood and agreed that with respect to any Environmental Conditions existing on the Site, the Contractor is not, and shall not be deemed to be, a generator, arranger, owner, operator, treater, storer, transporter or disposer of, or otherwise responsible for, any such Environmental Conditions. It is understood and agreed that the Contractor shall have no right to direct the means or methods of performance of any Environmental Engineer or Remediation Contractor.

J. District Indemnity. To the extent that the Contractor or the Subcontractors are not in violation of Subsection 2.1(L) below and to the extent sufficient appropriations are

made pursuant to Section 14.18 below, the District shall indemnify, defend and hold harmless the Contractor, the Subcontractors, and the directors, officers, agents and employees of each (the "Contractor Indemnitees"), for, from and against any Environmental Damages asserted against or sustained by such parties as a result of any of the Contractor Indemnities being deemed or determined to be a generator, arranger, owner, operator, treater, storer, transporter or disposer of, or otherwise responsible for, any such Environmental Conditions.

K. Delay for Remedial Actions. The District acknowledges and agrees that the Contractor shall not commence or continue any demolition or construction activities on any portion of the Site on or in which Remedial Actions are to be performed until such Remedial Actions are to the point where construction activities will not interfere with such Remedial Actions, as evidenced by appropriate certification by the applicable Environmental Engineer and/or Remediation Contractor and any required approvals of any applicable government agencies. The Contractor agrees to use good faith efforts to adjust and reschedule its activities at the Site so as to minimize, to the extent reasonably practical, the adverse effect on the progress of the Work resulting from any Remedial Actions.

L. Hazardous Materials Prohibited. The Contractor shall not bring Hazardous Materials to the Site, and shall not include Hazardous Materials in any construction materials, unless permitted by Environmental Requirements. The Contractor shall comply, and shall cause the Subcontractors to comply, with all Environmental Requirements regarding the generation, handling, storage, treatment and disposal of Hazardous Materials.

M. Contractor Indemnity. The Contractor shall indemnify, defend and hold harmless the District, its agents, representatives, officers and employees for, from and against any Environmental Damages asserted against or sustained by such parties as a result of any violation by the Contractor or the Subcontractors of any Environmental Requirements arising out of Subsection 2.1(L) above.

2.2 Construction Documents; Design Remedies.

A. Program Evaluation. The Contractor will provide to the District a written evaluation of the District's proposed Project and Project budget, with recommendations as to the appropriateness of each, and an analysis as to how each contribute to successfully achieving the District's goal for the Project.

B. Project Design Standards.

1. The Contractor will provide, through the Project Designers, engineering and other design professional services for the preparation of the required drawings, specifications and other design submittals to permit the Contractor to complete the Work. The Contractor's design professionals shall seal with an Arizona registered professional seal all Contract Documents prepared by them for this Agreement.

2. The Contractor shall provide a schedule of the design activities within seven days after the Notice to Proceed. The schedule shall provide 14 days to be

used by the District or its designee for reviews and approvals for any interim design submissions.

3. Design activities shall commence immediately after the Contractor has provided the schedule of design activities. The Contractor shall monitor design efforts to ensure they are in accordance with the Master Schedule and shall provide adequate time for the District's review and permitting processes along with construction activities.

4. The Contractor shall be responsible for the completeness and accuracy of the plans, specifications, supporting data, and other work prepared or compiled under its obligation for this Project and shall correct, at its expense, all willful or negligent errors and omissions and that are discovered. Correction of willful or negligent errors and omissions relating to engineering plans and specifications shall be the responsibility of the Contractor. The cost of the design necessary to correct those errors attributable to the Contractor or anyone for whom the Contractor is responsible shall not be reimbursable costs to the Contractor. Any damage incurred by the District as a result of additional construction cost caused by negligent, reckless, or intentional wrongful conduct shall not be reimbursed to the Contractor to the extent that the negligent, reckless, or intentional wrongful conduct falls below the standard of care and skill that a registered professional in Arizona would exercise under similar conditions. The fact that the District has accepted or approved the Contractor's product shall in no way relieve the Contractor of any of its responsibilities.

5. Within seven days after a scheduled submission, the Contractor and the District will meet and confer about the submission, with the Contractor identifying during these meetings, among other things, the evolution of the design and any significant changes or deviations from the Contract Documents or previously submitted design submissions.

6. The Contractor shall submit and distribute 10 hard copy sets of plans and specifications and one set of plans in a format compatible with the District's Computer Aided Drafting and Design (CADD) technology.

C. Design Submittals. The District shall review and approve the interim design submissions in a time that is consistent with the turnaround times stated in the Master Schedule. The Contractor shall not cause the design to proceed beyond interim design until the District approves the interim design submissions as provided in this Section. If the Contractor allows the design to proceed without District approval, the cost of any resultant redesign is not a reimbursable cost. The District's review and approval of interim design submissions and the Construction Documents is for the purpose of mutually establishing a conformed set of Construction Documents compatible with the requirements of the Project. Neither the District's review nor approval of any interim design submissions and Construction Documents shall be considered to transfer any design liability to the District.

1. The Project design must meet all applicable Pima County and City of Tucson technical standards and specifications.

2. The Contractor shall not specify any construction materials known to be hazardous or potentially hazardous, including asbestos, lead or any derivative of them unless specifically approved in writing by the District.

3. The Contractor shall coordinate with private, public and District utilities regarding standard utility issues and incorporate pertinent information in the plans.

4. The Contractor shall be responsible for scheduling, submitting, obtaining approval and retrieving all required Construction Documents from the various required reviewing agencies.

5. Following approval by the District of the interim design documents, Contractor shall refine the Construction Documents and submit same to the District for review at such intervals as the Parties determine. The Contractor shall submit to the District Construction Documents stating in detail drawings and specifications describing the requirements for construction.

a. The Construction Documents shall be consistent with the latest set of interim design submissions; as these submissions may have been modified in a design review meeting.

b. The Contractor shall provide the drawings in a format compatible with the District's CADD technology using District layering standards.

c. The drawing format shall be a 24" x 36" sheet size unless otherwise authorized in writing by the District.

d. The Parties shall have a design review meeting to discuss, and the District shall review and approve, the Construction Documents in accordance with the procedures stated in this Article.

e. Before commencement of construction, the Contractor shall submit to the District the following:

- i. Construction Drawings in the proper electronic format on electronic media (CD-ROM or other storage device);
- ii. Five print sets of approved Construction Drawings and 10 half-size sets; and
- iii. Fifteen sets of specifications.

D. Design Document Review. The Contractor shall assist the District in reviewing the Construction Documents for clarity, consistency, constructability and coordination among the various contractors. The Contractor's first review of the Construction Documents

shall occur not later than the 30% stage of the design by Project Designer for each component of the Project as designated by the District and shall be ongoing until 100% plans are final and complete for all phases of the Project. If the Contractor recognizes that portions of the Construction Documents are (1) in violation of Applicable Law or (2) in any way inadequate to achieve the intended result of the Project, the Contractor shall immediately notify the District in writing, describing the apparent violation or inadequacy.

1. The Contractor will periodically evaluate the availability of labor, materials/equipment, building systems, cost-sensitive aspects of the design, and other factors that may impact the Cost Model, GMP Proposals and/or the Master Schedule.

2. The Contractor will identify those additional surface and subsurface investigations that are required to provide the necessary information for the Contractor to construct the Project. After completion of pre-construction services, the Contractor may provide additional investigations to improve the adequacy and completeness of the Site condition information and data made available with the Construction Documents. The Contractor will be responsible for the time and cost required to obtain such additional investigations, except as otherwise provided by specific Additional Services.

3. The Contractor will meet with the Project team as required to review designs during their development. The Contractor will thoroughly familiarize itself with the evolving documents through conceptual design, preliminary design, and development of the Construction Documents (detailed design). The Contractor will proactively advise the Project team and make recommendations on factors related to construction costs, and concerns pertaining to the feasibility and practicality of any proposed means and methods, selected materials, equipment and building systems, and, labor and material availability. The Contractor will also advise the Project team on proposed Site improvements, excavation and foundation considerations, as well as, concerns that exist with respect to coordination of the Construction Documents. The Contractor will recommend cost effective alternatives.

C. Constructability and Bidability Reviews. The Contractor will conduct constructability and bidability reviews of the Construction Documents. The reviews will attempt to identify all discrepancies and inconsistencies in the Construction Documents, especially those related to clarity, consistency, and coordination of Work of Subcontractors and suppliers. The Contractor shall provide the District with a written report containing, at a minimum, (i) a summary of the research and analysis conducted, (ii) a detailed description of any constructability issues or challenges and (iii) recommendations for correcting any constructability issues or challenges.

1. Constructability Review. The Contractor will evaluate whether (a) the Construction Documents are configured to enable efficient construction, (b) design elements are standardized, (c) construction efficiency is properly considered in the Construction Documents, (d) module/preassembly design are prepared to facilitate fabrication, transport and installation, (e) the design promotes accessibility of personnel, material and equipment and facilitates construction under adverse weather conditions,

(f) sequences of Work required by or inferable from the Construction Documents are practicable, and (g) the design has taken into consideration, efficiency issues concerning access and entrance to the Site, laydown and storage of materials, staging of Site facilities, construction parking, and other similar pertinent issues.

2. Bidability Review. The Contractor will check cross-references and complementary Project drawings and sections within the Construction Documents and evaluate whether (a) the plans and Specifications are sufficiently clear and detailed to minimize ambiguity and to reduce scope interpretation discrepancies, (b) named materials and equipment are commercially available and are performing well or otherwise, in similar installations, (c) the design provides as-built data, (d) Specifications include alternatives in the event a requirement cannot be met in the field, (e) and the Project is likely to be subject to Differing Site Conditions considering the data on subsurface conditions, physical conditions of existing surface and subsurface facilities and physical conditions of underground utilities made available by the design or resulting from conditions inherent to work similar to the Work.

3. Reports. The results of the reviews will be provided to the District in written reports clearly identifying all discovered discrepancies and inconsistencies in the Project, plans and Specifications with notations and recommendations made on the plans, Specifications and other Construction Documents. If requested by the District, the Contractor will meet with the District's Project Manager and Project Designers to discuss any findings and to review reports.

D. Notification of Variance or Deficiency. Contractor is responsible for assisting the Project Designers in ascertaining that the Construction Documents are in accordance with applicable laws, statutes, ordinances, building codes, rules and regulations. If the Contractor recognizes that portions of the Construction Documents are at variance with applicable laws, statutes, ordinances, building codes, rules and regulations it will promptly notify the Project Designers and District in writing, describing the apparent variance or deficiency.

E. Value Analysis. The Contractor shall make recommendations to the District and the Project Designers with respect to constructability, construction cost, sequence of construction, construction duration, possible means and methods of construction, time for construction and separation of the Project into contracts for various categories of the Work. Contractor shall evaluate all design options to provide value analysis services and cost savings recommendations to the District. The Contractor shall consider options most effective in first costs as well as long term operational costs and life cycle costs when evaluating each design option. The Contractor shall submit to the District and Project Designers (1) written cost studies, (2) cost-benefit evaluations of each cost studies, (3) a formal report to the design team, (4) a final written analysis study document and (5) a tracking report for the increases or decreases in Project cost due to value engineering or scope changes. The District will decide which alternatives will be incorporated into the Project. The Contractor will have full responsibility for the incorporation of the alternatives into the Contract Documents. The Contractor will include the cost of the alternatives into the Cost Model and any GMP Proposals.

F. Certification. At the completion of its review of the Construction Documents for each phase of the Project, the Contractor shall certify that the Construction Documents are sufficient and complete to build the respective portion of the Project within (1) the time available before the respective Substantial Completion date and (2) the Project budget. Nothing in this Subsection shall relieve the Project Designers of their respective responsibility for the Construction Documents.

2.3 Pre-Construction Phase General Services.

A. Personnel; Project Meetings; Project Analysis. The Contractor will meet with the District, the Project Designers and all the other Project stakeholders to fully understand the program, the Construction Documents and all other aspects of the Project. The Contractor shall attend the regularly scheduled meetings with the District and the Project Designers to advise the District on matters of Site use, improvements, selection of materials, building methods, construction details, building systems, equipment, phasing and sequencing.

1. The Contractor will provide pre-construction services, described herein, in a proactive manner and consistent with the intent of the most current Construction Documents. The Contractor will promptly notify the District in writing whenever the Contractor determines that any Construction Documents are inappropriate for the Project and or cause changes in the scope of Work requiring an adjustment in the Cost Model, Master Schedule, GMP Proposals and/or in the Contract Time for the Work, to the extent such are established.

2. The Contractor, when requested by the District or at its own initiative, if sanctioned by the District, will attend, make presentations and participate as may be appropriate in public agency and/or community meetings, germane to the Project. The Contractor will assist the Project Designers in the preparation of drawings, schedule diagrams, budget charts and other materials describing the Project, when their use is required or appropriate in any such public agency meetings.

B. Construction Management Plan.

1. Preparing Plan. The Contractor will prepare a construction management plan (the "Management Plan"), that will detail, but not necessarily be limited to, the Contractor's determinations concerning: (a) Project milestone dates and the Master Schedule, including the broad sequencing of the design and construction of the Project; (b) investigations, if any, to be undertaken to ascertain subsurface conditions and physical conditions of existing surface and subsurface facilities and underground utilities; (c) alternate strategies for fast-tracking and/or phasing the construction; (d) separate bidding documents/packages and strategies for the early procurement of long-lead equipment and/or materials; (e) the number of separate subcontracts to be awarded to Subcontractors and suppliers for the Project construction; (f) permitting strategy; (g) safety and training programs; (h) construction quality control; (i) the Project Cost Model and basis of the model; (j) a matrix summarizing each Project team member's responsibilities and roles related to the Services; and (k) construction security.

2. Maintaining Plan. The Contract Manager shall keep the Management Plan current throughout the pre-construction services phase so that the Management Plan is ready for implementation at the start of the construction phase. The update/revisions will take into account: (a) revisions in Construction Documents; (b) the Contractor's examination of the results of any additional investigatory reports of subsurface conditions, drawings of physical conditions of existing surface and subsurface facilities and documents depicting underground utilities placement and physical condition, whether obtained by the District, Project Designers or the Contractor; (c) unresolved permitting issues, and significant issues, if any, pertaining to the acquisition of land and rights-of-way; (d) the fast-tracking (if any) of the construction, or other chosen construction delivery methods; (e) the requisite number of separate bidding documents to be advertised; (f) the status of the procurement of long-lead time equipment and/or materials; and (g) funding issues identified by the District.

C. Schedule Development. In accordance with the Management Plan, the Contractor shall prepare a master schedule for the Project (the "Master Schedule"). In preparing the Master Schedule, the Contractor shall establish: (i) detailed Critical Path Method ("CPM") schedules for the pre-construction/design phase and the construction phase of the Project with concurrence of the District and the Project Designers, (ii) monitor the Project schedules during the pre-construction phase and ensure that the Master Schedule is updated as necessary and advise the District of any schedule deficiencies. The Master Schedule shall incorporate, at a minimum and without limitation, the following deadlines as set forth in Article 2.2(E) of the RFQ: (i) begin work on Ice Chiller – June 14, 2019; (ii) begin work on Ice Floor – June 24, 2019; (iii) Substantial Completion Date – September 1, 2019; and (iv) Final Completion Date – September 16, 2019. The Contractor shall utilize Microsoft Project scheduling software to prepare, provide and maintain the detailed CPM schedules unless the District requests use of a different scheduling product.

1. Each Project team member is responsible for its compliance with the Master Schedule requirements. The Contractor will update and maintain the Master Schedule on behalf of and to be used by the Project team based on input from other team members. The Master Schedule will be consistent with the most recent revised/updated Management Plan. The Master Schedule will be presented in graphical and tabular reports as agreed upon by the Project team. The Master Schedule will include all tasks and deliverables required by each member of the Project team to identify long lead items, real property transactions, utility relocation activity, permitting requirements, etc. If Project phasing as described below is required, the Master Schedule will indicate milestone dates for the phases. The Master Schedule's activities will directly correlate with the Schedule of Values (as defined in Subsection 2.3(D)(4) below). The Master Schedule shall include resource loading for manpower and cash flow. The manpower loading shall include the daily manpower required to complete the task as shown on the Master Schedule.

2. The Contractor will include and integrate in the Master Schedule the services and activities required of the District's Project Manager, Project Designers and Contractor, including all construction phase activities. The Master Schedule will detail activities to the extent required to show: (a) the coordination between conceptual

design, schematic design, and development of the Construction Documents (detailed design), (b) separate long-lead procurements, (c) permitting issues, (d) land and right-of-way acquisition, if any, (e) bid packaging strategy and awards to Subcontractors and suppliers, (f) major stages of construction, (g) start-up, and (h) occupancy of the completed Work by the District. The Master Schedule will include, by example and not limitation, proposed activity sequences and durations for design, procurement, construction and testing activities, milestone dates for actions and decisions by the Project team, preparation and processing of Shop Drawings and samples, delivery of materials or equipment requiring long-lead time procurement, milestone dates for various construction phases, total Float for all activities, relationships between the activities, District's occupancy requirements showing portions of the Project having occupancy priority, and proposed dates for Substantial Completion and when the Work would be ready for final acceptance.

3. The Master Schedule will be updated and maintained by the Contractor with assistance from the Project team throughout the pre-construction services phase such that it will not require major changes at the start of the construction phase to incorporate Contractor's plan for the performance of the construction phase Work. The Contractor will provide updates and/or revisions to the Master Schedule for use by the Project team, whenever required, but no less often than monthly; provided, however, that no such changes shall alter the date of Substantial Completion without the District's prior, written approval. The Contractor will include with such submittals a narrative describing its analysis of the progress achieved versus that planned, any concerns regarding delays or potential delays, and any recommendations regarding mitigating actions.

4. Prior to transmitting Contract Documents to Subcontractors, the Contractor shall prepare a pre-proposal construction schedule for each part of the Project and make the schedule available to the Subcontractors. The Contractor shall provide a copy of the Master Schedule to the Subcontractors. As part of the notice of award by the Contractor to each Subcontractor, the Contractor shall inform each Subcontractor of the requirements for the preparation of the Master Schedule. Each Subcontractor shall prepare its own Subcontractor construction schedule in accordance with the requirements of the Contract Documents.

D. Cost Models; Cost Estimates and Schedule of Values. The Contractor shall provide the District with detailed cost information for all aspects of the Project. Each cost model will contain a detailed estimate of the direct cost (including materials, labor and equipment) pertaining to each aspect of the Project along with the cost of the contract bonds, the cost of the Project's required insurance, the cost of all applicable taxes, Contractor's general conditions, Contractor's fee and the amount of Contractor's Contingency and shall be consistent with such requirements as determined by the District or the Project Designers. The individual aspect cost models shall be collectively referred to as the "Cost Model."

1. As soon as practical during the conceptual design phase, the Contractor will review all available information regarding the design and scope of the Project, and based on the Contractor's experience in performing similar work, develop a

Cost Model for review and approval by the District. Once approved by the District, the Cost Model will be continually updated and kept current as the design progresses throughout the pre-construction phase until a final GMP for the entire Project is established. The Cost Model will be the Contractor's best representation of the complete functional Project's construction costs. The Contractor will communicate to the Project team any assumptions made in preparing the Cost Model. The Cost Model will support the Contractor's construction cost estimates and may be broken down initially as dictated by the available information. The Cost Model will also include allowances as agreed to by the Project team, including but not limited: (a) allowances for potential additional quantities and/or additional Work that the District may require, and (b) any costs related to investigations described in Subsection 2.1.

2. After receipt of the Project Designers' most current documents from certain specified design milestones, the Contractor will provide a detailed written report to the Project team regarding the impact of and changes to the Cost Model based on the Contractor's review of Construction Documents made available at the specified design milestone. The District's Project Manager, Project Designers and the Contractor will reconcile any disagreements on the estimate to arrive at an agreed upon estimate for the construction costs based on the scope of the Project through that specified design milestone. The design milestones applicable to this paragraph are: conceptual design completion, schematic design completion, and detailed design completion at 30%, 60%, 90% and 100%. If no consensus is reached, the District will make the final determination. If the Project team requires additional updates of the Cost Model beyond that specified in this Subsection, the Contractor will provide the requested information in a timely manner.

3. If, at any point, the estimate submitted to the District exceeds previously-accepted estimates or other key aspects of the Cost Model or the District's Project budget, the Contractor will make appropriate recommendations to the District's Project Manager and Project Designers on means/methods, materials, and/or other design elements that it believes will reduce the estimated construction costs, (without altering the District's basic program) such that it is equal to or less than the established Project budget.

4. Near completion of the 60% detailed design review and included with the associated report, the Contractor will also submit to the District for review and approval a "Schedule of Values" which complies with the following requirements. The Schedule of Values will highlight significant variances from any previously submitted preliminary Schedule of Values. The Schedule of Values will be directly related to the breakdowns reflected in the Management Plan and the Contractor's Cost Model. In addition, the Schedule of Values will: (a) detail unit prices and quantity take-offs, (b) segregate Work covered by any changes to construction phase Work already in progress, (c) reconcile used and remaining Contractor's Contingency (as defined in Subsection 3.3(D)(1) below) allowance, (d) detail all other allowances and unit price Work shown and specified in the detailed Construction Documents and (e) material and equipment costs, labor costs, General Conditions costs, hourly labor rates, payment for pre-construction services and total cost. Labor costs in the Schedule of Values will include

employee benefits, payroll taxes and other payroll burdens. The total cost for any portion of the Work to be performed by Subcontractors will include Subcontractor overhead and profit.

5. The Contractor will submit to the District a final Schedule of Values based on the 100% detailed design set of Construction Documents for the entire Project or any portion thereof, which final Schedule of Values will also be included in any proposed GMP(s).

6. Upon request by the District, the Contractor will submit to the District a cash flow projection for the Project based on the current updated/revised Master Schedule and the anticipated level of payments for the Contractor during the pre-construction and construction phases. In addition, if requested by the District and based on information provided by the District, the Contractor will prepare a cash flow projection for the entire Project based on historical records for similar types of projects to assist the District in the financing process.

E. Traffic Control/Sequencing Plans. Intentionally omitted.

F. Phasing; Long Lead Procurement. The Contractor shall review the Construction Documents and make recommendations to the District with respect to the phase issuance of the Construction Documents to facilitate phased construction of the Work, if appropriate. The Contractor will take into consideration such factors as natural and practical lines of work severability, sequencing effectiveness, access and availability constraints, total time for completion, construction market conditions, labor and materials availability, and any other factors pertinent to saving time and cost. The Contractor may also recommend to the District and to the Project Designers a list and a schedule for purchasing items necessary for the Project which may require substantial lead time for procurement (the "Long Lead Items"), which may be separately procured by the District or included as a separate GMP in this Agreement, at the discretion of the District. The Contractor shall make such adjustments to the Master Schedule as necessary to accommodate the procurement process for the Long Lead Items. Upon purchase, the Contractor shall safeguard the Long Lead Items until installed as part of the Project.

G. Other Deliverables; Pre-Construction Progress Payments. The Contractor shall provide the District with written plans for the pre-qualification of Subcontractors (according to the Subcontractor Selection Program), subcontract bid packages, project safety, quality control, owner training and commissioning. The Contractor will prepare and submit monthly pay applications to the District for work performed during the specific payment period for the pre-construction phase of the Project.

ARTICLE 3

GUARANTEED MAXIMUM PRICE PROPOSAL

3.1 GMP Submittal Process. At the stage of the pre-construction phase services as determined by the District, the Contractor shall, if requested by the District, submit a GMP Proposal, which shall be the sum of the estimated Cost of the Work relating to completion of the

Scope for the Project and the Construction Fee relating to the Project based upon the most-current version of the Cost Model. Each GMP Proposal shall include, in the Cost of the Work, those taxes that are applicable at the time the GMP is established. Each GMP is the total cost of the applicable portion of the Project including the cost of labor, equipment, supplies, materials, services and allowances to complete the applicable portion of the Project. The cost data is directly correlated to the specific Construction Documents in existence at the time each GMP Proposal is prepared. The assumptions used in the preparation of the GMP Proposal shall be identified by the Contractor as part of the GMP Proposal. In submitting this proposal, Contractor represents that:

A. Document Review. Contractor has examined and carefully studied the Contract Documents for the construction phase, including all addenda.

B. Site Visit. Contractor has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, performance and furnishing of the Work.

C. Laws and Regulations. Contractor is familiar with and is satisfied as to all Applicable Laws that may affect cost, progress, performance and furnishing of the Work, including, but not limited to, ARIZ. REV. STAT. § 42-5075(P), which applies to the Project contemplated within this Agreement.

D. Reports; Subsurface Conditions. Contractor has carefully studied all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site which have been identified in the Contract Documents for the construction phase. Contractor acknowledges that such new reports may not be complete for Contractor's purposes. Contractor acknowledges that District does not assume responsibility for the accuracy or completeness of information and data shown or indicated in the Contract Documents for the construction phase with respect to underground facilities at or contiguous to the Site. Contractor has obtained and carefully studied (or assumes responsibility for having done so) all such additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and underground facilities) at or contiguous to the Site or otherwise which may affect cost, progress, performance or furnishing of the Work or which relate to any aspect of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto. Contractor does not consider that any additional examinations, investigations, explorations, tests, studies or data are necessary for the determination of this GMP Proposal for performance and furnishing of the Work in accordance with the times, price and other terms and conditions of the Contract Documents for the construction phase.

E. Work by Others. Contractor is aware of the general nature of Work to be performed by District and others at the Site that relates to Work for which the GMP Proposal is submitted as indicated in the Contract Documents for the construction phase.

F. Conditions and Plans Correlated. Contractor has correlated the information known to Contractor, information and observations obtained from visits to the site,

reports and drawings identified in the Contract Documents for the construction phase and all additional examinations, investigations, explorations, tests, studies and data with the Contract Documents for the construction phase.

G. Inconsistencies Resolved. Contractor has given Project Designers written notice of all conflicts, errors, ambiguities or discrepancies that Contractor has discovered in the Contract Documents for the construction phase and the written resolution thereof by Project Designers is acceptable to Contractor, and the Contract Documents for the construction phase are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which the GMP Proposal is submitted.

H. No Improper Actions. The proposal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Contractor has not directly or indirectly induced or solicited any person, firm or corporation to refrain from proposing; and Contractor has not sought collusion to obtain for itself any advantage over any other contractor or over the District.

3.2 Acknowledged Construction Documents. The Contractor, in preparing any GMP Proposal, will obtain from the Project Designers three sets of signed, sealed, and dated Construction Documents (including all addenda). The Contractor will prepare its GMP Proposal in accordance with the District's requirements and the most-current completed Construction Documents at that time. The Contractor will mark the face of each document of each set upon which its GMP Proposal is based. The Contractor will send one set of those documents to the District's Project Manager, keep one set and return the third set to the Project Designers.

3.3 Direct Construction Costs. Direct Construction Costs means the sum of the amounts that the Contractor actually and necessarily incurs constructing the Work in strict compliance with the Contract Documents. Direct Construction Costs include only the cost categories set forth in this Article and does not include the Pre-Construction Phase Fees or the Construction Phase Fees unless specifically noted.

A. General Conditions Costs. Contractor is entitled to receive reimbursement for the actual cost of the allowable General Conditions items incurred between issuance of the applicable Notice to Proceed and 30 days after the date scheduled for Substantial Completion. Contractor is entitled to reimbursement for General Conditions Costs incurred before receipt of the Notice to Proceed, or after Substantial Completion, only with prior written approval of the District. "Allowable General Conditions Cost Line Items" are identified below and in Exhibit H, attached hereto and incorporated herein by reference. These items shall be included in the General Conditions Cost amount shown as a line item in the applicable GMP Proposal and as detailed on the Schedule of Values. Items not specifically included below or in Exhibit H will not be allowed as a General Condition Costs.

1. Personnel costs, which include wages paid for Contractor's hourly employees and salaries of Contractor's salaried personnel when (a) stationed at the field office located at the Site and working on matters directly related to the Project, in whatever capacity employed; (b) engaged on the road expediting the production or

transportation of material and equipment; and (c) performing functions directly related to the Work from the principal or branch office. The project manager's salary may be included in the General Conditions Costs only when the project manager is directly managing the Project. Personnel costs also include the cost of all employee benefits and taxes including but not limited to, unemployment compensation, Social Security, health, welfare, retirement and other fringe benefits as required by law, labor agreements, or paid under the Contractor's standard personnel policy. All personnel costs are subject to audit to determine the actual cost of the wages, salaries and allowable employer contributions incurred by the Contractor for services performed for the Project.

2. Subject to prior written approval of the District, reasonable transportation, travel and hotel expenses of the Contractor's personnel incurred in connection with the Work.

3. Costs of long-distance telephone calls, telegrams, postage, package delivery and courier service, hardwired telephone service, and reasonable expenses of Contractor's jobsite office if incurred at the Site and directly and solely in support of the Work.

4. Costs of materials, supplies, temporary facilities, equipment, and hand tools (except those customarily owned by construction workers), supplied to the Site by Contractor, if such items are fully consumed in the construction of the Work and are included in the list of Allowable General Conditions Cost Line Items set forth in Exhibit H. Cost for used items shall be based on fair market value and may include transportation, installation, and minor maintenance costs, and removal costs. If an item is not fully consumed in the construction of the Work, its recoverable cost under this Contract shall be based on the original cost of the item less its fair market salvage value.

5. Rental charges for temporary facilities, equipment, and hand tools (except those customarily owned by construction workers), supplied to the Site by Contractor, provided they are included in the list of Allowable General Conditions Cost Line Items set forth in Exhibit H and the District has approved the rentals and the rental rates in advance and in writing. Rental rates may include transportation, installation, and minor maintenance costs, and removal costs. For tools, machinery or construction equipment rented directly from the Contractor, the rental rate, including freight and delivery costs and all operating expenses except labor, shall be approved in advance by the District and shall be in accordance with either the "Rental Rate Blue Book for Construction Mobilization Costs" published by Primedia, latest edition, or the most-recent rates provided by Equipmentwatch.com, but no higher than the prevailing competitive rates for rental of similar equipment in the Project vicinity.

6. The aggregate rental cost of any item charged to the District shall not exceed 75% of the purchase price and maintenance cost of the item. If the anticipated aggregate rental cost for an item of equipment exceeds 75% of the purchase and maintenance price, Contractor shall purchase the equipment and turn it over to the District upon final completion of the Work or, at the District's option, credit the District with the fair market resale value of the item.

7. Permit and inspection fees paid by Contractor where the District is exempt will not be reimbursed by the District.

8. Cost of premiums for normal and customary Contractor's Subcontractor default insurance at the rate of 1.25% of the cost of subcontracts and Subcontractor's liability, workman's compensation and builders risk insurance as required pursuant to Article 10 below, which shall be identified as separate line items within the applicable GMP. If the Contractor intends to utilize Subcontractor Liability Wrap-up Coverage (Z-25), it will be reimbursed at the rate of 1.5% of the Subcontract amount, and credited from the Subcontractor bids. Commercial General Liability Insurance shall be reimbursed at the rate of 1.1% of the applicable GMP amount; Builders Risk Insurance shall be reimbursed at the rate of 0.47% of the applicable GMP amount; Performance and Payment Bonds shall be reimbursed at 0.76% of the applicable GMP amount. All amounts shall be identified as separate line items within the applicable GMP.

9. Cost of bond premiums to the extent directly attributable to the Project.

10. Governmental transaction privilege sales and use taxes directly attributable to the General Conditions Items that are not subject to exemption, in the form and at the rates legally enacted on the date of the first GMP, whether such taxes are effective or scheduled to go into effect. Such taxes paid on materials or services that were entitled to tax exemption will not be reimbursed by the District as Direct Construction Costs.

B. Cost of the Work. Contractor is entitled to receive payment for the actual cost of the allowable Cost of the Work items incurred after receipt of the District's written Notice to Proceed with the Construction Phase Work through Final Completion of the Project. Contractor is not entitled to reimbursement for Cost of the Work costs incurred before receipt of the District's written Notice to Proceed. Cost of the Work includes the following:

1. Costs of materials, supplies and equipment purchased directly by the Contractor and incorporated into or consumed in the performance of the Work, including transportation charges, to the extent such costs of materials, supplies and equipment are not included in the General Conditions Costs.

2. Costs of removal and disposal in accordance with all applicable laws and regulations of Site debris, non-hazardous substances and waste materials, if not otherwise included in General Conditions.

3. Payments made by Contractor to Subcontractors and their vendors or suppliers for the subcontract work in accordance with the Construction Documents and the requirements of the subcontracts with the Subcontractors, vendors or suppliers.

4. Payments earned by Contractor for self-performed subcontract work, other than General Conditions work, in accordance with the Construction Documents and the terms of this Contract and approved by the District.

5. Fees and expenses for design services procured by the Contractor related to necessary modifications to the Construction Documents.

6. Intellectual property royalties and licenses for items specifically required by the Construction Documents which are, or will be, incorporated into the Work.

7. All costs associated with establishing, equipping, operating, maintaining and demobilizing the field office at the Site.

8. All water, power and fuel costs necessary for the Work.

9. Costs incurred due to an emergency affecting the safety of persons and/or property, excluding such costs related to the negligence or willful acts of the Contractor or any person or entity for whom the Contractor is responsible.

10. All costs directly incurred in the performance of the Work or in connection with the Project, and not included in the Contract Price as set forth in Article 7 below, which are reasonably inferable from the Contract Documents as necessary to produce the intended results, subject to the maximum price limitation established by the respective GMP.

11. Costs related to the Contractor's safety program related to the Project.

C. Exclusions from General Conditions Costs and Cost of the Work. The General Conditions Costs and Cost of the Work shall not include the following:

1. Any professional fees paid by the District to consultants retained directly by the District.

2. Any costs paid directly by the District to Subcontractors or suppliers retained directly by the District and outside the scope of all GMPs.

3. Any additional service costs as defined herein.

4. Any other costs not within the control of the Contractor or identified as being not within any GMP.

5. Any fees paid to the Contractor except those fees that may be paid to Contractor for Pre-construction Phase Services above.

D. Contractor's Contingency.

1. The GMP Proposal may include an amount (the "Contractor's Contingency") to be used to fund increases in the Direct Construction Costs of the Project identified through the refinement, development and completion of the Construction Documents or procurement of the Work. The Contractor's Contingency shall be negotiated between the Parties and it shall reflect the risk inherent in the state of completion of the Construction Documents at the time the GMP Proposal is submitted.

2. Any re-allocation of funds from the Contractor's Contingency to cover increases in the Direct Construction Costs must be approved by the District in advance and in writing, which approval shall not to be unreasonably withheld. In written requests to use the Contractor's Contingency, the Contractor shall provide detailed documentation of the scope of work affected and the basis for any increases in costs resulting in the need to use Contractor's Contingency funds.

3. As the Construction Documents are finalized and the buyout of the Work progresses the Contractor's Contingency amount shall be reduced by mutual agreement of the District and Contractor. The buyout shall occur within the first 20% of the construction duration for each Notice to Proceed issued for construction. Should savings occur after the buyout stage, such savings, and related reductions to the Contractor's Contingency amount, will be retained by the District.

E. Calculation Methods; Audits.

1. The District and the Contractor understand and agree that any GMP agreed to under this Project will be administered as a measured quantity/unit price guaranteed not-to-exceed contract. This not-to-exceed amount is defined by the individual work items and their associated competitively bid and/or negotiated unit prices plus negotiated on-site general conditions, fee structures, markups and Contractor's Contingency. Final contract price/payout will be based on field measured final completed quantities, approved unit prices and approved Change Directives and Change Orders. Furthermore, the term "actual cost" is defined as the final negotiated unit prices (costs) mutually agreed to by the District and Contractor. The District and the Contractor understand and agree that individually priced, "self-performed" items may include the cost associated with the risk of delivering the work.

2. The District and the Contractor understand and agree that the District, its authorized representatives, and/or the appropriate federal or state agencies may audit the Contractor's records to verify the accuracy and appropriateness of all pricing data, including data used to negotiate any GMP, and including, but not limited to, self-performed items, qualifications-only selected Subcontractor items, Change Orders, use of allowance funds and use of Contractor's Contingency funds. The District and its authorized representatives shall have access, during normal working hours, to all necessary Contractor and Subcontractor facilities, and shall be provided adequate and appropriate workspace, in order to conduct audits in compliance with the provisions of

this Subsection. The District shall give Contractor or Subcontractor reasonable advance notice of intended audits.

F. Discounts. All discounts for prompt payment shall accrue to the District to the extent such payments are made directly by the District. To the extent payments are made with funds of the Contractor, all cash discounts shall accrue to the Contractor. All trade discounts, rebates and refunds, and all returns from sale of surplus materials and equipment, shall be credited to the Cost of the Work.

3.4 Construction Fee. The “Construction Fee” is the maximum amount payable to the Contractor for any cost or profit expectation incurred in the performance of the Work that is not specifically identified as being eligible for reimbursement by the District elsewhere in this Agreement. The Construction Fee includes, but is not limited to, the following items.

A. Profit. All profit, profit expectations and costs associated with profit sharing plans such as personnel bonuses, incentives, and rewards; company stock options; or any other like expenses of the Contractor, which shall not exceed 7.0% of the total applicable GMP amount, excluding Contractor’s Contingency.

B. Salaries. Salaries of Contractor’s officers, project manager(s), estimators, schedulers and all other employees not stationed at the Project site and performing services directly related to the Project.

C. Overhead. Any and all overhead, labor or general expenses of any kind unless specifically allowed under General Conditions. These costs include, but are not limited to: costs for the purchase, lease, rental, allowance or maintenance of vehicles, radios/communication equipment, jobsite computers, copiers and other business equipment, specialized telephone systems and cellular/digital phones; home office operations and support staff (i.e. accounting, purchasing); trade or professional association dues; costs for hiring and/or relocation of any of the Contractor’s personnel; and travel, per diem and subsistence expense of Contractor, its officers or employees except as specifically allowed under General Conditions, which shall not exceed 5.0% of the total applicable GMP amount, excluding Contractor’s Contingency.

D. Financial Costs. Any financial costs incurred by the Contractor including the cost of capital or interest on capital, regardless of whether it is related to the Project, and costs associated with construction warranty reserves.

E. Professional Fees. Any legal, accounting, professional or other similar costs incurred by the Contractor, including costs incurred in connection with the prosecution or defense any dispute, mediation, arbitration, litigation or other such proceeding related to or arising from the Project.

F. Taxes. Any Federal and/or State income and franchise taxes paid by Contractor. Any levies, assessments, fines, penalties, sanctions or other impositions made by any governmental body against Contractor.

G. Damages and Related Costs. Any cost arising out of a breach of this Agreement or the fault, failure or negligence of Contractor, its Subcontractors, or any person or entity for whom they may be liable. These costs include, without limitation: costs to remedy defective, rejected, or nonconforming work, materials or equipment; costs due to failure to coordinate the Work or meet CPM schedule milestones; costs arising from Contractor's contractual indemnification obligations; liquidated or actual damages imposed by the District for failure to complete the Work within the Contract Time; costs due to the bankruptcy or insolvency of any Subcontractor; and damage or losses to persons or property.

H. Insurance Deductibles. The cost of any and all insurance deductibles payable by the Contractor and costs due to the failure of Contractor or any Subcontractor to procure and maintain insurance as and to the extent required by the Contract Documents.

I. Costs in Excess of GMP. Any and all costs that would cause the Guaranteed Maximum Price to be exceeded.

J. Other Unidentified Costs. Any and all costs not specifically identified as an element of the Direct Construction Costs.

3.5 Competitive Bidding and Sub-Bids.

A. Subcontractor Selection. The Contractor will develop Subcontractor interest, submit the names of a minimum of three qualified Subcontractors for each trade in the Project for approval by the District and solicit bids for the various Work categories. If there are not three qualified Subcontractors available for a specific trade, the Contractor will request approval by the District's Project Manager to submit less than three names. No change in the District approved Subcontractors will be allowed without prior written approval by the District.

B. District Objections. If, prior to receipt of sub-bids or prior to award of Subcontractors or suppliers, the District objects to any nominated Subcontractor or supplier or to any self-performed Work for good reason, the Contractor will nominate a substitute Subcontractor or supplier, preferably if such option is still available, from those who submitted sub-bids for the Work affected. Once such substitute Subcontractors and suppliers are consented to by the District, the Contractor's proposed GMP for the Work or portion thereof will be correspondingly adjusted to reflect any higher or lower costs from any such substitution.

C. Documents; Pre-bid Conference. The Contractor will distribute Construction Documents, and when appropriate, conduct a pre-bid conference with prospective Subcontractors.

D. Subcontractor Bid Submittal. The Contractor, at the required time, will close the bidding and collect all sub-bids received within the prescribed deadline for receipt of sub-bids. Promptly, after the closing of sub-bids, the Contractor will (in the presence of the District's Project Manager and Project Designers) open and read all properly and timely submitted sub-bids. The Contractor will submit a completed Sub-Bid tabulation form to the District's Project Manager within a reasonable time after the closing of the sub-bid opening proceedings.

E. Subcontractor Bid Evaluation. The Contractor, upon opening of sub-bids will evaluate them including, but not limited to, the evaluation of lower tier Subcontractors, Subcontractor qualification submittals and prospective suppliers selected by each apparent low sub-bidder. The Contractor will resolve any sub-bid withdrawal, protest or disqualification in connection with the award at no increase in the Cost of the Work.

F. Notice of Intent for Subcontracts. Within 15 Days after sub-bid opening, the Contractor will deliver to the District's Project Manager a written notice of intent to award subcontracts, itemizing the Subcontractors and suppliers selected by the Contractor. The notice of intent to award subcontracts will detail (1) for each Subcontract the amount of the sub-bid and the corresponding Subcontractor or supplier, (2) the sum of sub-bids received for all intended Subcontract, (3) trade work that the Contractor intends to self-perform, if any.

G. Pre-award Conference. Promptly after receipt of the notice of intent to award subcontracts, the District will conduct a pre-award conference with the Contractor and other Project team members. At the pre-award conference, the Contractor will (1) review the nominated slate of Subcontractors and suppliers and discuss any concerns with or objections that the District has to any nominated Subcontractor or supplier; (2) discuss District concerns relating to any proposed self-performed Work; (3) review the Contractor's proposed Contract Price for the Work during the construction phase; (4) resolve possible time frames for the commencement date of the Contract Time for the construction phase Work; (5) schedule the pre-construction conference; and (6) discuss other matters as necessary.

3.6 Submittal Requirements. The Contractor shall include with each GMP Proposal a written statement of its basis, which shall include:

A. Detailed Scope. A detailed scope of services related to the respective GMP Proposal, including a breakdown of the GMP as it relates to the applicable part of the overall Scope.

B. Documents. A list of the Construction Documents, including all addenda, that were used in preparation of the respective GMP Proposal.

C. Allowances. A list of allowances and a statement of their basis.

D. Assumptions. A list of the assumptions and clarifications made by the Contractor in the preparation of the respective GMP Proposal to supplement the information contained in the Construction Documents.

E. Substantial Completion. The Substantial Completion date, if applicable, upon which the respective GMP Proposal is based and the Master Schedule for the Work upon which the respective Substantial Completion date is based, including a clear statement of the number of rain delay days included within the Master Schedule.

- F. Alternate Prices. A schedule of applicable alternate prices.
- G. Unit Prices. A schedule of applicable unit prices.
- H. Additional Services. A statement of Additional Services included, if any.
- I. Acceptance Period. The time limit for acceptance of the GMP Proposal.

3.7 GMP Proposal Review. The Contractor shall meet with the District and the Project Designers to review each GMP Proposal. In the event that the District discovers any inconsistencies or inaccuracies in the information presented, the District shall give written notice to the Contractor, who shall make appropriate adjustments to the GMP, its basis or both.

A. Independent Estimate. Upon receipt of any GMP Proposal from the Contractor, the District may submit the same documents that were used by Contractor in developing its GMP to an independent third party for review and verification. The third party will develop an independent estimate of the Cost of the Work and review the Master Schedule for the associated scope of the GMP Proposals.

B. GMP Exceeding Independent Estimate. If the Contractor's GMP Proposal is greater than the independent third party's estimate, the District may require the Contractor to reconfirm its GMP Proposal. The Contractor will accept the independent third party's estimate for the Cost of the Work as part of its GMP or present a written request, within seven Days of receiving the estimates, to the District identifying, explaining and substantiating the differences. The Contractor may be requested to, or at its own discretion may, submit a revised GMP Proposal for consideration by the District. At that time the District may do one of the following.

1. Accept the Contractor's original or revised GMP Proposal, if within the District's budget, without comment.
2. Accept the Contractor's original or revised GMP Proposal that exceeds the District's budget, and indicate in writing to the Contractor that the Project budget has been increased to fund the differences.
3. Reject the Contractor's original or revised GMP Proposal because it exceeds either or both the District's budget and the independent third party's estimate, in which event, the District may terminate this Agreement.

C. Design Changes During Negotiation. If, during the review and negotiation of GMP Proposals, design changes are required, the Contractor will authorize and cause the Project Designers to revise the Construction Documents to the extent necessary to reflect the agreed-upon assumptions and clarifications contained in the final approved GMP Proposal. Such revised Construction Documents will be furnished to the Contractor. The Contractor will promptly notify the Project Designers and District's Project Manager if any such revised Construction Documents are inconsistent with the agreed-upon assumptions and clarifications.

3.8 No Prior Costs. Prior to the District's acceptance of a GMP Proposal, the Contractor shall not incur any cost to be reimbursed as part of the Cost of the Work related to such GMP Proposal, except as provided in this Agreement or as the District may specifically authorize in writing.

3.9 Acceptance; Effect. Upon acceptance by the District of each GMP Proposal, the GMP contained therein and its basis shall be set forth in the applicable GMP Amendment. Once established, the GMP and the corresponding Substantial Completion date shall be subject to modification only as provided in Articles 6 and 8 below. The District's approval of the GMP Amendment will include the amount of the District's Contingency. The amount of the District's Contingency will be set solely by the District and will be in addition to the Project costs included in the Contractor's GMP Proposals. Use and management of the District's Contingency is at the District's sole direction.

3.10 GMP Effective Date. Each GMP Proposal shall not become a part of this Agreement until the District accepts such GMP Proposal in writing by executing the applicable GMP Amendment, on or before the date specified in each such GMP Proposal for such acceptance.

3.11 Failure to Agree Upon GMP. If the District and the Contractor do not agree to any provisions of the GMP Proposal, including the designated Default Neutral Arbitrator, all references in this Agreement to the GMP shall not be applicable, and the Parties shall proceed on the basis of reimbursement as provided in Article 7 below.

ARTICLE 4 CONSTRUCTION SERVICES

4.1 Control of Construction. After the date any Amendment to this Agreement is executed by the District and the Contractor approving a GMP Proposal, the Contractor shall become responsible for the means, methods, sequences and procedures used in the construction of the portion of the Project related to such GMP Proposal and shall proceed with the Contractor's Construction Services related to the GMP Proposal under this Agreement.

4.2 Completeness and Accuracy of Contractor Work. The Contractor will be responsible for the completeness and accuracy of its reviews, reports, supporting data, and other pre-construction deliverables prepared or compiled pursuant to its obligations under this Agreement and will at its sole own expense correct its work or deliverables. The fact that the District has accepted or approved the Contractor's work or deliverables will in no way relieve the Contractor of any of its responsibilities under the Agreement, nor does this requirement to correct the work or deliverable constitute a waiver of any claims or damages otherwise available by law or contract to the District.

4.3 Alteration in Character of Work. In the event an alteration or modification in the character of work or deliverable materially increases or decreases the scope of service, cost of performance, or Master Schedule as determined by the District, the Work or deliverable will nonetheless be performed as directed by the District. However, before any altered or modified work begins, a Change Directive or Change Order must be approved and executed by the District

and the Contractor to address such change. Such Change Directive or Change Order will not be effective until approved by the District. Additions to, modifications to, or deletions from the Project provided herein may be made, and the compensation to be paid to the Contractor may be adjusted accordingly, only by mutual agreement of the Parties. No claim for extra work done or materials furnished by the Contractor will be allowed by the District except as provided herein, nor will the Contractor do any work or furnish any material(s) not covered by this Agreement unless such work or material is first authorized in writing by the District. Work or material(s) furnished by the Contractor without such prior, written authorization will be the Contractor's sole jeopardy, cost, and expense, and the Contractor hereby agrees that, without prior, written authorization, no claim for compensation for such work or materials furnished will be made.

4.4 Construction Phase General Services. The Contractor shall furnish any and all labor, materials, equipment, transportation, utilities, services and facilities required to perform all Work for the construction of the Project, and to completely and totally construct the same and install the material therein for the District. All Work will be performed in a good and workmanlike and substantial manner according to the standards set forth in Subsection 1.6(A) above. The Work shall be to the satisfaction of the District and strictly pursuant to and in conformity with the Project's Contract Documents, as modified and agreed to by the District. Contractor's Representative shall be reasonably available to District and shall have the necessary expertise and experience required to supervise the Work. Contractor's Representative shall communicate regularly with District but not less than once each week and shall be vested with the authority to act on behalf of Contractor. Contractor's Representative may be replaced only with the written consent of District.

A. Government Approvals and Permits.

1. The Contractor shall be primarily responsible to obtain all necessary permits, approvals and licenses required for the prosecution of the Work from any government or quasi-government entity having jurisdiction over the Project. The Contractor is specifically reminded of the need to obtain the necessary environmental permits or file the necessary environmental notices. The Contractor will be responsible for all permits.

2. Copies of the required permits and notices must be provided to the District's Representative prior to starting the permitted activity. In the case of Fire Department permits, a copy of the application for permit shall also be provided to the District's Representative. This provision does not constitute an assumption by the District of an obligation of any kind for violation of said permit or notice requirements.

B. Pre-construction Activities.

1. Prior to the commencement of any Work, the District's Representative will schedule a pre-construction conference. The purpose of this conference is to establish a working relationship between the Contractor, utility firms, various District agencies and other entities as may be appropriate or beneficial. The agenda will include critical elements of the Work and Master Schedule, submittal schedule, cost breakdown of major lump sum items, payment requests and processing,

coordination with the involved utility firms, the level of Project Record Documents required and emergency telephone numbers for all representatives involved in the course of construction. Minimum attendance at the preconstruction conference shall be the Contractor's Representative, the job superintendent, the Contractor's safety officer and the individuals deemed necessary by the District.

2. The Notice to Proceed date will be set by the District. At or after the pre-construction conference and upon delivery of the required bonds and insurance in a District-approved format or at such other time as the District may elect, a Notice to Proceed letter will be issued confirming the construction start date, the Contract Time and the Substantial Completion date. Failure by the Contractor to provide the properly executed bond and insurance forms in a timely manner may delay the construction start date; however, it will not alter the proposed Substantial Completion date nor be a basis for any time extension request or other claims.

3. The Contractor shall update the Schedule of Values based on the categories used in the buyout of the Work but not greater than the approved GMP; the update shall identify the Contractor's Contingency. The Schedule of Values will subdivide the Work into all items comprising the Work.

C. Project Management.

1. The Contractor shall refine the Management Plan for the Project. In refining the Management Plan, the Contractor shall consider the District's schedule, cost and design requirements for the Project. The Contractor shall then develop various alternatives for the sequencing and management of the Project and shall make recommendations to the District. The Management Plan shall also include a description of the various proposal packages recommended for the Project. The Management Plan shall be presented to the District for acceptance.

2. The Contractor shall conduct periodic Project meetings attended by the District's Representative, the Project Designers and other necessary parties. Such meetings shall serve as a forum for the exchange of information concerning the Project and the view of construction progress. The Contractor shall prepare and distribute minutes of these meetings to the District's Representative, the Project Designers and others in attendance.

3. The Contractor shall coordinate transmittal of documents to regulatory agencies for review and shall advise the District of potential problems in completing such reviews.

4. The Contractor shall assist the District in public relations activities and shall prepare information for and attend public meetings regarding the Project.

D. Reports.

1. The Contractor shall prepare and distribute design phase change reports monthly to the District that shall list all District-approved Change Directives and Change Orders as of the date of the report and shall state the effect of the Change Directives and Change Orders on the Project budget and the Master Schedule.

2. The Contractor shall prepare and distribute schedule maintenance reports monthly to the District comparing the actual and scheduled dates for Subcontractors' contract awards and completion of each such Subcontractor's portion of the Project.

3. The Contractor shall prepare and distribute the Project cost reports monthly to the District specifying actual award prices and construction costs for each of the individually awarded components of the Project as compared to the Project budget.

4. The Contractor shall prepare and distribute cash flow reports monthly to the District specifying actual cash flow for each of the individually awarded components of the Project as compared to the projected cash flow.

5. The requirements for filing reports set forth in this Subsection 4.4(D) shall not be deemed to meet the requirements for requests for extensions of time or requests for Change Directives and Change Orders as set forth in Section 6 and Section 8 below.

4.5 Work Management.

A. Contractor Resources. Unless otherwise provided in the Contract Documents to be the responsibility of District or a separate contractor, Contractor shall provide through itself or Subcontractors the necessary supervision, labor, inspection, testing, start-up, material, equipment, machinery, temporary utilities and other temporary facilities to permit Contractor to complete the Work according to the Contract Documents. The Contractor shall provide and maintain a management team on the Site to provide contract administration. The Contractor shall establish and implement coordination and communication procedures among the Contractor, the District, the Project Designers and Subcontractors.

B. Means, Methods and Techniques. Contractor shall perform all construction activities efficiently and with the requisite expertise, skill and competence to satisfy the requirements of the Contract Documents. Contractor shall at all times exercise complete and exclusive control over the means, methods, sequences and techniques of construction.

C. Supervisor Presence. Contractor's Representative or the Contractor's Superintendent shall be present at the Site at all times that construction activities are taking place.

1. All elements of the Work shall be under the direct supervision of a foreman or his designated representative on the Site who shall have the authority to take actions required to properly carry out that particular element of the Work.

2. In the event of noncompliance with this Subsection, the District may require the Contractor to stop or suspend the Work in whole or in part.

D. Manufacturer Requirements. Where the Contract Documents require that a particular product be installed and/or applied by an applicator approved by the manufacturer, it is the Contractor's responsibility to ensure the Subcontractor employed for such work is approved by the manufacturer.

E. Measurements. Before ordering materials or doing work, the Contractor and each Subcontractor shall verify measurements at the Site and shall be responsible for the accuracy of such measurements. No extra charge or compensation will be allowed because of differences between actual dimensions and the dimensions indicated on the plans; differences shall be submitted to the District for resolution before proceeding with the Work.

F. Field Measurements and Conditions. The Contractor shall take field measurements and verify field conditions and shall carefully compare such field measurements and conditions and other information known to the Contractor with the Construction Documents before commencing activities. Errors, inconsistencies or omissions discovered shall be reported to the District immediately.

G. Grades, Lines, Levels and Bench Marks. The Contractor shall establish and maintain all building and construction grades, lines, levels, and bench marks, and shall be responsible for accuracy and protection of same. This Work shall be performed or supervised by a civil engineer or surveyor licensed as such in the State of Arizona.

H. Proper Employee Conduct. Any person employed by the Contractor or any Subcontractor who, in the opinion of the District, does not perform his work in a proper, skillful and safe manner or is intemperate or disorderly or is otherwise found to be inappropriate due to the setting of the Site, shall, at the written request of the District, be removed from the Site by Contractor or Subcontractor employing such person, and the person shall not be employed again in any portion of Work without the written approval of the District. The Contractor or Subcontractor shall hold the District harmless from damages or claims which may occur in the enforcement of this Subsection.

I. Coordination of Activities. Contractor shall coordinate the activities of all Subcontractors. If District performs other work on the Project or at the Site with separate contractors under District's control, Contractor agrees to reasonably cooperate and coordinate its activities with those of such separate contractors so that the Project can be completed in an orderly and coordinated manner without unreasonable disruption.

J. Change Processing. The Contractor shall establish and implement procedures for expediting and processing requests for information, Shop Drawings, material and equipment sample submittals, contract schedule adjustments, Change Directives, Change Orders,

substitutes, payment requests and the maintenance of logs. The Contractor shall maintain daily job reports. The Contractor shall be the party to whom requests for information, submittals, Subcontractor schedule adjustments, substitutions, Change Directive requests, Change Order requests and payment requests shall be submitted.

K. Subcontractor Meetings. Periodically, the Contractor shall conduct meetings at the Site with each Subcontractor. The Contractor shall conduct coordination meetings with all Subcontractors. The Contractor shall record, transcribe and distribute minutes to all attendees, the District and the Project Designers.

L. Coordination of Inspections and Testing. Technical inspection and testing provided by the Project Designers or others who are not Subcontractors shall be coordinated with the Contractor. The Contractor shall be provided a copy of all inspection and testing reports on or before the next business day after the inspection or test. The Contractor is not responsible for providing, nor does the Contractor control, the actual performance of such technical inspection and testing. The Contractor is performing a coordination function and is not acting in a manner so as to assume responsibility or liability, in whole or in part, for all or any part of such inspection and testing.

M. Self-Performed Work. The Contractor shall perform, with its own forces, construction work that amounts to not less than 45% of the total Contract Price for construction of the Project. For the purposes of this paragraph, the total Contract Price for construction of the Project (1) includes the total of the GMP amounts as agreed upon by the Contractor and the District and (2) does not include the cost of preconstruction services, design services or any other related services or the costs to procure any right-of-way or other costs of condemnation.

N. No Subcontractor Reliance. Contractor shall ensure that each Subcontractor (1) has inspected the Site and has thoroughly reviewed this Agreement as the same may be revised by the District, and is not relying on any opinions or representations of the District, (2) agrees to perform and complete the Work in strict accordance with this Agreement and under the Contractor's direction, (3) agrees that any exclusions of any Work must be approved in writing by the Contractor prior to acceptance of any agreement between Contractor and a Subcontractor or same shall not be excluded hereunder, (4) is responsible for all safety precautions and programs and shall provide all protection and necessary supervision to implement said precautions and programs as set forth in Section 4.13 below, (5) shall provide all competent supervision necessary to execute all Work and any work incidental thereto in a thorough, first-class, workmanlike manner and (6) has acknowledged that it is Subcontractor's responsibility that all of the Work and any work incidental thereto conforms to, and is performed in accordance with, Applicable Law.

O. Subcontractor Change Request. The Contractor shall review the contents of a request for changes to the subcontract time or price submitted by a Subcontractor, assemble information concerning the request and endeavor to determine the cause of the requests. In instances where the Contractor's analysis reveals that the request is valid, the Contractor shall prepare a detailed report to the District for approval in accordance with Articles 6 and 8 below, as applicable. The Contractor shall also prepare and timely deliver a detailed report to the District of other such requests and requests found to be invalid and timely inform the

Subcontractor of any such determination. The Contractor shall prepare the necessary change documents for signature by the Subcontractor.

P. Quality Control. The Contractor shall establish and implement a program to monitor the quality of construction by itself and by Subcontractors. The purpose of the program shall be to protect the District against defects and deficiency in the Work of the Contractor or the Subcontractors. The Contractor shall reject the Work and transmit to the Subcontractor a notice of nonconforming work when the Contractor believes the Work does not conform to the requirements of the Contract Documents. Except for minor variations as stated herein, the Contractor is not authorized as part of this service to change, enlarge, relax, alter, or release any requirement of the Contract Documents or to approve or accept any portion of the Work not performed in accordance with the Contract Documents.

Q. Subcontractor Document Request. The Contractor shall coordinate and expedite submittals of information from the Subcontractors for record drawings and specification preparations and shall coordinate and expedite the transmittal of Project Record Documents to the District.

R. Traffic Control. Intentionally Omitted.

4.6 Control of the Work Site.

A. Debris Removal. Throughout all phases of construction, including suspension of Work, Contractor shall keep the Site reasonably free from debris, trash and construction wastes to permit Contractor to perform its Construction Services efficiently, safely and without interfering with the use of adjacent land areas. Upon Substantial Completion of the Work, or an agreed upon portion of the Work, Contractor shall remove all debris, trash, construction wastes, materials, equipment, machinery and tools arising from the Work or applicable portions thereof to permit District to occupy the Project or an agreed upon portion of the Project for its intended use.

B. Dust Control. Contractor shall take whatever steps, procedures or means necessary to prevent any dust nuisance due to construction operations. The dust control measures shall be maintained at all times to the satisfaction of the District and in accordance with the requirements of Applicable law and such other Specifications as the Parties may agree to in writing.

C. Accessibility. Contractor shall maintain “ADA” and “ANSI” accessibility requirements during construction activities in an occupied building or facility. ADA and ANSI accessibility requirements shall include, but not be limited to, parking, building access, entrances, exits, restrooms, areas of refuge, and emergency exit paths of travel. Contractor shall be responsible for the coordination of all work to minimize disruption to building occupants and facilities.

D. Material and Equipment Storage. Only materials and equipment that are to be used directly in the Work shall be brought to and stored on the Site by the Contractor.

When equipment or materials are no longer required for the Work, each shall be removed promptly from the Site.

E. Protection of Site. Protection of the Work, the Site, and construction materials and equipment stored at the Site from weather, theft, damage and all other adverse conditions is solely the responsibility of the Contractor.

4.7 Time Management.

A. Master Schedule Updates. The Contractor shall, not less than monthly, adjust and update the Master Schedule and distribute copies to the District and the Project Designers. All adjustments to the Master Schedule must be (1) made for the benefit of the Project and (2) acceptable to the District; provided, however, that such adjustments or updates shall not extend the time for performance of the Work beyond the Substantial Completion date unless such extension is requested by the Contractor and approved by the District in accordance with Section 6 below.

B. Subcontractor Schedule Verification. The Contractor shall review each Subcontractor's construction schedule and shall verify that the schedule is prepared in accordance with the requirements of the Contract Documents and that it establishes completion dates that comply with the requirements of the Master Schedule.

C. Subcontractor Progress Monitoring. The Contractor shall (1) review the progress of construction of each Subcontractor on a monthly basis, (2) evaluate the percentage completion of each construction activity as indicated in the Subcontractor's construction schedule and (3) review such percentages with the Subcontractor. This evaluation shall serve as data for input to the periodic construction schedule report that the Contractor shall prepare and distribute to the appropriate Subcontractor, the District's Representatives and the Project Designers. The report shall serve as the basis for (i) determining the actual progress compared to scheduled progress and (ii) determining the progress payment due to the Subcontractor. The Contractor shall determine and implement alternative courses of action that may be necessary to achieve contract compliance by the Subcontractor.

D. Change Evaluation. The Contractor shall, prior to the issuance of a Change Directive or Change Order, determine the effect on the Master Schedule of time extensions requested by a Subcontractor. The Contractor may require a Subcontractor to prepare and submit a recovery schedule in the event the Subcontractor fails to meet the Master Schedule.

E. Minor Schedule Revisions. The Master Schedule shall be revised as required by conditions and progress of the Work, but such revisions shall not relieve the Contractor of its obligations to complete the Work within the Contract Time, as such dates may be adjusted in accordance with the Contract Documents.

F. Payment Requests. An updated Master Schedule shall be submitted monthly to the District as part of the Payment Request.

1. The Contractor shall provide District with a monthly status report for the Master Schedule detailing the progress of the Work, including (a) if the Work is proceeding according to schedule, (b) any discrepancies, conflicts, or ambiguities found to exist in the Contract Documents that require resolution, and (c) other items that require resolution so as not to jeopardize ability to complete the Work as presented in the applicable GMP and within the Contract Time.

2. With each schedule submittal the Contractor shall include a transmittal letter including the following:

- a. Description of problem tasks (referenced to field instructions and requests for information), as appropriate.
- b. Current and anticipated delays including:
 - i. Cause of the delay.
 - ii. Corrective action and schedule adjustments to correct the delay.
 - iii. Known or potential impact of the delay on other activities, milestones, and the Substantial Completion date.
- c. Changes in construction sequence.
- d. Pending items and status thereof including but not limited to:
 - i. Time Extension requests.
 - ii. Other items.
- e. Substantial Completion date status:
 - i. If ahead of schedule, the number of Days ahead.
 - ii. If behind schedule, the number of Days behind.
- f. Other project or scheduling concerns.

G. District Review. District's review of and response to the Master Schedule is only for general conformance with the scheduling requirements of the Contract Documents. The review shall not: (1) relieve the Contractor from (a) compliance with the requirements of the Contract Documents or (b) the time extension request process set forth in Section 6 below; or (2) be construed as relieving the Contractor of its complete and exclusive control over the means, methods, sequences and techniques for executing the Work.

H. CPM Diagram. The updated Master Schedule shall include a CPM diagram schedule that shows the sequence of activities, the interdependence of each activity and indicate the Critical Path.

1. The CPM diagram schedule shall be in Days and indicate duration, earliest and latest start and finish dates for all activities, and total Float times for all activities except critical activities. The CPM diagram shall be presented in a time scaled graphical format for the Project as a whole.

2. The CPM diagram schedule shall indicate all relationships between activities.

3. The activities making up the Master Schedule shall be in sufficient detail to ensure that adequate planning has been done for proper execution of the Work and such that it provides an appropriate basis for monitoring and evaluating the progress of the Work.

4. The CPM diagram schedule shall be based upon activities that coincide with the Schedule of Values.

5. The CPM diagram schedule shall show all submittals associated with each Work activity and the review time for each submittal.

6. The schedule shall show milestones, including milestones for District-furnished information, and shall include activities for District-furnished equipment and furniture when those activities are interrelated with the Contractor activities.

7. The schedule shall include a Critical Path activity that reflects anticipated rain and weather delay during the performance of the Agreement. The duration shall reflect the average climatic range and usual industrial conditions prevailing in the locality of the Site. Weather data shall be based on information provided by the National Weather Services or other source approved in writing by the District.

I. Occupancy Consideration. The Master Schedule shall consider the District's occupancy requirements showing portions of the Project having occupancy priority.

J. Float Time. Float time shall be as prescribed below:

1. The total Float within the overall Master Schedule is not for the exclusive use of either the District or the Contractor, but is jointly owned by both and is a resource available to and shared by both Parties as needed to meet contract milestones and the Project completion dates.

2. The Contractor shall not sequester shared Float through such strategies as extending activity duration estimates to consume available Float, using

preferential logic, or using extensive crew/resource sequencing. Float time within the schedule is jointly owned; no time extensions will be considered or granted nor delay damages considered or paid until a delay occurs that extends the Work beyond the Substantial Completion date.

3. District-caused delays on the Project may be offset by District-caused time savings (i.e., Critical Path submittals returned in less time than anticipated by the Master Schedule; approval of substitution requests and credit changes which result in savings of time to the Contractor). In such an event, the Contractor shall not be entitled to have considered or receive a time extension or delay damages until all District-caused time savings are exceeded, and the Substantial Completion date is also exceeded.

K. Occupancy/Use Plan. The Contractor shall prepare an occupancy plan for the Project. This plan shall be provided to the District not later than 60 Days prior to the scheduled Substantial Completion date.

4.8 Cost Management.

A. Subcontract Schedule of Values. The Contractor shall, in participation with the Subcontractors, determine a Schedule of Values for each of the construction subcontracts. The Schedule of Values shall be the basis for the allocation of the Contract Price to the activities shown on the Subcontractors' construction schedule. The District shall approve the subcontract Schedule of Values before acceptance for progress billings.

B. Contract Price Allocation Each Subcontractor's construction schedule shall have the applicable portions of the Contract Price allocated among the Subcontractor's scheduled activities so that each of the Subcontractor's activities shall be allocated a price and the sum of the prices of the activities shall equal to or less than the total Contract Price. The Contractor shall review the Contract Price allocations and verify that such allocations are made in accordance with the requirements of the Contract Documents. Progress payments to a Subcontractor and Contractor shall be based on the Subcontractor's percentage of completion of the scheduled activities as set out in each Subcontractor's construction schedule report and the Subcontractor's compliance in accordance with the Contract Documents.

C. Additional Information. In instances where a lump sum or unit price is not determined prior to performing Work described in a request for changes to the Contract Price, the Contractor shall request from the Subcontractor records for the cost of payroll, materials and equipment and the amount of payments to its Subcontractors, if any, incurred by the Subcontractor in performing the Work.

D. Trade-off Studies. The Contractor shall provide trade-off studies for various minor construction components. The results of the trade-off studies shall be in report form and distributed to the District's Representative and the Project Designers.

E. Payment Applications. In consultation with the Project Designers, the Contractor shall review the payment applications submitted by each Subcontractor and determine whether the amount requested reflects the progress of the Subcontractor's work. The Contractor

shall make appropriate adjustments to each payment application and shall prepare and forward a progress payment report to the District. The progress payment report shall state the total Contract Price, payments to date, current payment requested, retainage and actual amounts owed for the current period. Included in this report shall be a certificate for payment that shall be signed by the Contractor and delivered to the District. The Contractor shall keep the Project and the Site free and clear of all liens and claims from its Subcontractors, suppliers or materialmen.

4.9 Shop Drawings, Product Data and Samples.

A. Purpose. Shop Drawings, product data, samples and similar submittals are not Contract Documents. The purpose of their submittal is to demonstrate for those portions of the Work for which submittals are required the way the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents.

B. Review. The Contractor shall review, approve, verify, and submit to the Project Designers five copies of each Shop Drawing, product data, sample, and similar submittal required by the Contract Documents as to cause no delay in the Work or in the activities of the District or of separate contractors. Submittals made by the Contractor that are not required by the Contract Documents may be returned without action.

C. Project Designer Approval. The Contractor shall perform no portion of the Work requiring submittal and review of Shop Drawings, product data, samples, or similar submittals until the respective submittal has been approved by the Project Designers. Such Work shall be in accordance with approved submittals.

D. Contractor Verification. By approving, verifying and submitting Shop Drawings, product data, samples and similar submittals, the Contractor represents that the Contractor has determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.

E. No Deviation Approval; Errors. The Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by the Project Designer's approval of Shop Drawings, product data, samples or similar submittals unless the Contractor has specifically informed the Project Designer in writing of such deviation at the time of submittal and the Project Designer has given written approval to the specific deviation. The Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, product data, samples, or similar submittals by the Project Designer's approval thereof.

F. Highlight Changes. The Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, product data, samples, or similar submittals, to revisions other than those requested by the Project Designers on previous submittals.

G. Informational Submittals. Informational submittals upon which the Project Designer is not expected to take responsive action may be so identified in the Contract Documents.

H. Other Certifications. When professional certification of performance criteria of materials, systems or equipment is required by the Contract Documents, the Project Designer shall be entitled to rely upon the accuracy and completeness of such calculations and certifications.

4.10 Quality Control, Testing and Inspection.

A. New Materials. All materials used in the Work shall be new and unused, unless otherwise noted, and shall meet all quality requirements of the Contract Documents.

B. Inspection and Approval. All construction materials to be used in the Work or incorporated into the Work, equipment, plant, tools, appliances or methods to be used in the Work may be subject to the inspection and approval or rejection by the District. Any material rejected by the District shall be removed immediately and replaced in an acceptable manner.

C. Test Methods. The procedures and methods used to sample and test material will be determined by the Project Designers.

D. Testing Facility. The Contractor will select a pre-qualified independent testing laboratory and will pay for initial District acceptance testing.

1. When the first and subsequent tests indicate noncompliance with the Contract Documents, the cost associated with that noncompliance and retesting will be paid for by the Contractor. Contractor's Contingency cannot be utilized for the cost of re-testing.

2. When the first and subsequent tests indicate noncompliance with the Contract Documents, all retesting shall be performed by the same testing agency.

E. Cooperation. The Contractor will cooperate with the selected testing laboratory and all others responsible for testing and inspecting the Work and shall provide the laboratory's employees or agents access to the Work at all times.

F. At-source Approval. At the option of the District, materials may be approved at the source of supply before delivery.

G. Code Compliance. Code compliance testing and inspections required by codes or ordinances, or by a plan approval authority shall be the responsibility of and shall be paid by the Contractor, unless otherwise provided in the Contract Documents.

H. Responsibility. Contractor's quality control testing and inspections shall be the sole responsibility of the Contractor and shall be paid solely by the Contractor.

4.11 Trade Names and Substitutions.

A. Substitutions. Substitute or alternate items to Contract Document references to equipment, materials or patented processes by manufacturer, trade name, make or catalog number may be permitted, unless indicated that no substitutions are permitted, and if permitted are subject to the following:

1. The substitution shall be submitted by Contractor in writing to the District, including sufficient detail to properly analyze the request.

2. The Contractor and the Project Designer shall certify that the substitution will perform the functions and achieve the results called for by the general design, be similar and of equal substance, and be suited to the same use as that specified.

3. The submittal shall outline any required changes in the Contract Documents to adapt the design to the proposed substitution.

4. The submittal shall contain an itemized estimate of all costs and credits that will result directly and indirectly from the acceptance of such substitution, including cost of design, license fees, royalties, and testing. Also, the submittal shall include any request for adjustment in the Contract Time created by the substitution.

B. Samples; Additional Information. The Contractor, if requested by the District, shall submit samples or any additional information that may be necessary to evaluate the acceptability of the substitution.

C. District Determination. The District will make the final decision and will notify the Contractor in writing as to whether the substitution has been accepted or rejected.

D. Presumed Rejection. If the District does not respond in a timely manner, the Contractor shall continue to perform the Work in accordance with the Contract Documents and the substitution will be considered rejected.

4.12 Project Record Documents.

A. Redline Prints. During the construction period, the Contractor shall maintain at the Site a set of redline, blue line or blackline prints of the Construction Documents and Shop Drawings for Project Record Document purposes. The Contractor will certify that these documents are up to date when it submits its monthly pay application. The Contractor shall also:

1. Mark these drawings to indicate the actual installation where the installation varies appreciably from the original Construction Documents and give particular attention to information regarding concealed elements that would be difficult to identify or measure and record later. Items required to be marked include, but are not limited to:

- Dimensional changes to the drawings.

- Revisions to details shown on drawings.
- Depths of foundations below first floor.
- Locations and depths of underground utilities.
- Revisions to routing of piping and conduits.
- Revisions to electrical circuitry.
- Actual equipment locations.
- Duct size and routing.
- Locations of concealed internal utilities.
- Changes made by Change Order or Change Directive.
- Details not on original Contract Documents.
- Similar deviations, variations and modifications.

2. Mark completely and accurately Project Record Documents or Shop Drawings, whichever is the most capable of indicating the actual physical condition. Where Shop Drawings are marked, show cross-reference on the Construction Documents.

3. Mark Project Record Document sets with red erasable colored pencil.

4. Note Change Order or Change Directive numbers, as required to identify the source of the change to the Construction Documents.

5. As a condition of Substantial Completion, submit Project Record Documents and Shop Drawings to the District Representative for review and comment.

B. Corrections. Upon receipt of the reviewed Project Record Documents from the District, the Contractor shall correct any deficiencies and/or omissions to the drawings and prepare the following for submission to the District within 14 Days:

1. A complete set of electronic Project Record Documents prepared in AutoCAD format compatible with District CADD technology. The Contractor shall cause the Project Designers to revise and update the electronic drawing files. Each drawing shall be clearly marked with "As-Built Document."

2. The original copy of the Project Record Documents (including all redline mark-ups).

4.13 Project Safety. Contractor recognizes the importance of performing the Work in a safe manner so as to prevent damage, injury or loss to (i) all individuals at the Site, whether working or visiting, (ii) the Work, including materials and equipment incorporated into the Work or stored on-Site or off-Site, and (iii) all other property at the Site or adjacent thereto.

A. Responsibility. Contractor assumes responsibility for implementing and monitoring all safety precautions and programs related to the performance of the Work.

B. Safety Representative. Contractor shall, prior to commencing construction, designate a safety representative with the necessary qualifications and experience to supervise the implementation and monitoring of all safety precautions and programs related to the Work. Unless otherwise required by the Contract Documents, Contractor's safety representative shall be an individual stationed at the Site who may have other responsibilities on the Project in addition to safety.

C. Daily Inspections. The safety representative shall make routine daily inspections of the Site and shall hold weekly safety meetings with Contractor's personnel, Subcontractors and others as applicable. Contractor shall provide the District copies of daily inspection reports and weekly safety meeting minutes, with the monthly payment applications.

D. Legal Requirements. Contractor and Subcontractors shall comply with Applicable Law relating to safety, as well as any District-specific safety requirements set forth in the Contract Documents, provided that such District-specific requirements do not violate Applicable Law. If Contractor believes a District-specific requirement violates Applicable Law, the Contractor shall notify the District of such violation within 24 hours of discovery.

E. Reporting. Contractor will immediately report in writing any safety-related injury, loss, damage or accident arising from the Work to District's Representative and, to the extent mandated by Applicable Law, to all government or quasi-government authorities having jurisdiction over safety-related matters involving the Project or the Work.

F. Subcontractor Responsibility. Contractor's responsibility for safety under this Section is not intended in any way to relieve Subcontractors of their own contractual and legal obligations and responsibility for (1) complying with Applicable Law, including those related to health and safety matters, and (2) taking all necessary measures to implement and monitor all safety precautions and programs to guard against injury, losses, damages or accidents resulting from their performance of the Work.

4.14 Substantial Completion. When the Contractor considers that the Work has reached Substantial Completion, it shall submit a request to the District's Project Manager for a certificate of Substantial Completion. Substantial Completion must occur not later than the date set forth in the applicable GMP Amendment, subject to modification by changes in the Contract Time according to Article 6 below. A prerequisite for Substantial Completion, over and above the extent of construction completion required, is receipt by the District of acceptable documentation that Contractor has successfully tested and demonstrated all systems for their intended uses. The District shall determine when the Project and the Contractor's Work is

substantially complete. The Substantial Completion date shall be confirmed by a Certificate of Substantial Completion signed by the District and Contractor. The Certificate of Substantial Completion shall state the respective responsibilities of the District and the Contractor for security, maintenance and damage to the work and insurance. The Certificate of Substantial Completion shall also include the Punch List as created by the Contractor and modified by the Project Designers in consultation with the District and establish the time for completion and correction of all Punch List items. The Contractor shall proceed promptly to complete and correct Punch List items. Failure to include an item on the Punch List does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents. If the District and the Contractor cannot agree as to the appropriate Substantial Completion date, such issue shall be submitted for dispute resolution in accordance with the procedures set forth in Article 13 below. Notwithstanding such disagreement, the Contractor shall diligently proceed with completion of the Punch List items. Warranties required by the Contract Documents shall commence on the Substantial Completion date or designated portion thereof unless otherwise provided in the Contract Documents.

4.15 Final Completion. The District shall determine when the Project and the Contractor's Work has reached Final Completion. Final Completion must occur not later than 15 Days after the Substantial Completion date, subject to modification by changes in the Contract Time in Article 6 below. Final Completion shall be achieved only upon the District's written acceptance of (A) the construction, (B) all testing, (C) demonstration by the Contractor that the Work functions as required by the Contract Documents and meets all Contract Document requirements, (D) resolution of all outstanding system deficiencies and Punch List items, if any, (E) delivery of all as-built documentation, drawings, completed Project Record Documents (with revisions made after Substantial Completion), annotated submittals and design document deliverables, (F) submittal, acceptance, and delivery of the 100% complete O&M manuals, (G) delivery of warranties, inspection certificates, bonds and all other required documents, (H) all pre-requisites for final payment and (I) submittal of Contractor's request for final payment and acceptance enclosing all required documentation. Upon Final Completion the District shall issue a Certificate of Final Completion to the Contractor on behalf of the District. Following receipt of payment from the District, the Contractor shall make all payments due to the Subcontractors.

4.16 Correction of Defective Work.

A. During the Work. During the Work, Contractor shall take meaningful steps to commence correction of such nonconforming Work as notified by the District. This includes the correction, removal or replacement of the nonconforming Work and any damage caused to other parts of the Work affected by the nonconforming Work.

B. During Warranty Period. Contractor agrees to correct any Work that is found to not be in conformance with the Contract Documents within the warranty period described in Subsection 5.6(A) below, or within such longer period to the extent required by the Contract Documents or as may be allowed by law. A progress payment, or partial or entire use or occupancy of the Project by the District, shall not constitute acceptance of Work not in accordance with the Contract Documents.

C. Commencement by Contractor. Contractor shall take meaningful steps to commence correction of nonconforming Work subject to Subsections 4.16(A) and (B) above within seven Days of receipt of written notice from the District. This includes correction, removal or replacement of the nonconforming Work and any damage caused to other parts of the Work affected by the nonconforming Work. If Contractor fails to commence the necessary steps within such seven-Day period, the District, in addition to any other remedies provided under the Contract Documents or allowed by law, may provide Contractor with written notice that the District will commence correction of such nonconforming Work with its own forces. If the District corrects such nonconforming Work with its own forces, the GMP will be adjusted to deduct the cost to the District. If the District performs corrective Work after final payment, Contractor shall be responsible for all reasonable costs incurred by the District in performing such correction.

D. Emergencies. In the event nonconforming Work creates an emergency requiring an immediate response, the Contractor will respond and initiate corrections within 24 hours.

E. No Effect on Limitations Period. The two-year period referenced in Subsection 5.6(A) below applies only to Contractor's obligation to correct nonconforming Work as provided in this Section and is not intended to constitute a period of limitations for any other rights or remedies the District may have regarding Contractor's obligations under the Contract Documents or as may be allowed by law.

4.17 Additional Services. Any Additional Services must be authorized in advance by the District in writing; the Contractor shall furnish or obtain from others such authorized services. The Contractor shall be paid for these Additional Services by the District as herein provided to the extent they exceed reasonably inferable obligations of the Contractor under this Agreement. Potential Additional Services include:

A. Planning. Providing additional planning surveys or alternative site evaluations other than as required or reasonably inferred in this Article 4.

B. Future/Outside of Project Design. Providing design services relative to future facilities, systems and equipment that are not intended to be constructed as part of the Project, other than general planning and master planning for future work as indicated by the District's Project program. Providing design and engineering of any work outside the Site if said work is not expressly identified and included in the Scope.

C. Major Document Revisions/Additional Documents. Making major revisions in the construction documents, or other documents when such revisions are inconsistent with written approvals or instructions previously given by the District or are due to causes beyond the control and without the fault and negligence or partial fault or negligence of the Contractor or its consultants or agents. Preparing additional documents for alternate, separate, or sequential bids or providing services in connection with bidding, negotiation, or construction prior to the completion of the construction phase, other than as required or reasonably inferred in this Article 4. Making revisions to Construction Documents after the District has approved them

when revisions are due to causes beyond the control and not the fault or partial fault of the Contractor.

D. Advanced Soils Analysis. Providing additional soils sampling, classification, and analysis other than as required or reasonably inferred in the foregoing sections of Article 4. Contractor is entitled to rely upon the soils analysis and recommendations as provided by a geotechnical consultant; however, Contractor is responsible for interpretation of such data for the purpose of establishing the means and methods of construction and such interpretation shall not be considered Additional Services during the design phase or the construction phase.

E. Expert Testimony. Preparing to serve or serving as an expert witness for the District in connection with any public hearing, arbitration proceeding, or legal proceeding wherein the Contractor or Subcontractor of the Contractor is not a party or allegedly at fault; provided, however, preparing to serve or serving as a fact witness for the District or rendering testimony necessary to secure governmental approval for the Project shall not constitute an additional service.

F. Survey. Providing surveying services such as platting, mapping, subdivision agreements, or recording subdivision plats other than as required or reasonably inferred in this Article 4.

G. Additional Travel. Providing Additional Services and costs necessitated by out-of-town travel required of and approved in writing by the District other than visits to the Project and other than for travel required to accomplish the Work.

H. Unrelated Services. Providing any other services not otherwise included in this Agreement, not reasonably inferred by this Agreement or not customarily furnished in accordance with generally accepted contractual practices consistent with the term of this Agreement.

I. Replacement Work. Providing consultation concerning replacement of Work damaged by fire or other causes and not due in whole or in part to Contractor's action or inaction during construction, or furnishing services required in connection with the replacement of such work.

J. Special Studies. Providing additional special surveys, environmental studies, and submissions required for approvals of governmental authorities or others having jurisdiction over the Project, other than as required or reasonably inferred in this Article 4.

K. O&M Analysis. Providing analyses of operating and maintenance costs other than as required for value analysis in Subsection 2.2(E) above, unless provided for in the Scope.

L. Assisting with District-Performed Work. Designing, and providing other services supporting the procurement of materials to be obtained, or work, if any, to be performed by the District, that are not a part of the Work.

ARTICLE 5

POST-CONSTRUCTION PHASE

5.1 Final Accounting and Close-out. At the conclusion of the Project, the Contractor shall prepare final Project accounting and close-out reports.

5.2 Occupancy Plans. The Contractor shall prepare and distribute reports as necessary associated with the occupancy plan.

5.3 Certificates. The Contractor shall secure required certificates of inspection, testing or approval and deliver them to the District.

5.4 Manufacturer Manuals and Warranties. The Contractor shall require the Subcontractors to provide manufacturers' operations and maintenance manuals, warranties and guarantees for materials and equipment installed in the Project. Prior to Final Completion of the Project, the Contractor shall compile such manuals, warranties and guarantees, bind same in an organized manner and deliver the bound materials to the District; the District shall not be required to issue the final payment to the Contractor pursuant to Section 9.6 below until after the compiled manuals, warranties and guarantees have been delivered to the District. At the discretion of the District, electronic records may be substituted for the bound materials required in this section.

5.5 Inspection and Testing. With the assistance of the District's maintenance personnel, the Contractor shall direct the inspection of utilities and operations of systems and equipment for readiness, and assist in their initial start-up and testing.

5.6 Warranties.

A. Warranty for the Work. Contractor or its assignee shall give to the District a two-year warranty against deficiencies in material and workmanship for all Work on the Project or other such warranty as required by the District Engineer, which warranty shall begin on the Substantial Completion date. Any material deficiencies in material or workmanship identified by District staff during the two-year warranty period shall be brought to the attention of the Contractor and its assignee that provided the warranty, which both shall promptly remedy or cause to be remedied such deficiencies to the reasonable satisfaction of the District Engineer. Continuing material deficiencies in a particular portion of the Work shall be sufficient grounds for the District to require (1) an extension of the warranty for an additional two-year period and (2) the proper repair of or the removal and reinstallation of, that portion of the Work that is subject to such continuing deficiencies. Regardless of whether the applicable warranty period has expired, the Contractor agrees to repair any damage to the Work caused by construction activities on the Site. Nothing contained herein shall prevent the District or the Contractor from seeking recourse against any other third party for damage to the Work caused by such third party.

B. New Materials. The Contractor warrants that all materials and equipment furnished under construction phase(s) of this Agreement are (1) new unless otherwise specified

and approved by the District, (2) of good quality, (3) in conformance with the Contract Documents and (4) free from defective workmanship, defective materials and Hazardous Materials. Warranties shall commence on the date of Substantial Completion of the Work or of a designated portion if the warranted items are fully installed, operational and available for use and if not, at such time after the date of Substantial Completion as they are fully installed, operational and available for use.

C. Actions by Others. Contractor's warranty obligation excludes defects caused by abuse, alterations, or failure to maintain the Work by persons other than Contractor or anyone for whose acts Contractor may be responsible and/or liable.

D. No Limitation on Other Warranties. Nothing in this warranty is intended to limit any manufacturer's warranty that provides District with greater warranty rights than set forth in this Section or the Contract Documents.

E. No Limitation on Legal Remedies. Nothing in this warranty is intended to limit any other remedy at law that may be available to the District.

ARTICLE 6 CONTRACT TIME

6.1 Progress and Completion. The District and the Contractor agree the time limits stated in the District's Request for Qualifications and the Contract Documents, as the same may be amended and updated by the Parties, are of the essence of this Agreement.

6.2 Commencement of the Work. The Work, except for the (A) environmental investigation services set forth in Section 2.1 above, (B) review of Construction Documents and design remedies services set forth in Section 2.2 above, and (C) Pre-Construction Phase General Services set forth in Section 2.3 above, shall commence on the Notice to Proceed date of the applicable GMP Amendment, and shall proceed in general accordance with the Schedule for the Work set forth therein. Each GMP Amendment shall establish a separate Notice to Proceed date, Substantial Completion date and portion of the Contract Time applicable to that GMP. The Substantial Completion dates may be sequential or may run consecutively.

6.3 Prosecution of the Work. The Contractor shall prosecute the Work so that the portion of the Work completed at any point in time shall be not less than as required by the Master Schedule. If the delay is an Inexcusable Delay, as defined below, the Contractor shall prepare a recovery schedule for the District's review and approval, showing how the Contractor will compensate for the delays and achieve Substantial Completion by the date shown on the Master Schedule. If the Contractor is unable to demonstrate how it will overcome Inexcusable Delays, the District may order the Contractor to employ such extraordinary measures as are necessary to bring the Work into conformity with the date of Substantial Completion set forth therein, the costs of which shall be included as part of the Cost of the Work. If the delay is an Excusable Delay, as defined below, the District shall either (A) authorize an equitable extension in the Master Schedule to account for such delay, and equitably adjust the GMP on account of such delay or (B) request that the Contractor prepare a recovery schedule showing how (if possible) the Contractor can achieve Substantial Completion by the date shown on the Master

Schedule, and equitably adjust the applicable GMP in accordance with the Change Order provisions of this Agreement related to any extraordinary activities required of the Contractor on account of such recovery schedule.

6.4 Critical Path Activities. To the extent the Contractor completes activities on the Critical Path earlier than scheduled, the savings in time on account thereof shall belong solely to the Contractor.

6.5 Construction Activities. At such time as the Construction Documents, or any portion thereof, are complete, the Contractor shall submit a revised Master Schedule to the District for incorporation into the Contract Documents, which will expand the Master Schedule approved to date, but which will not, in and of itself, change the Substantial Completion date for the Project. This revised Master Schedule shall be based upon a CPM and shall show in complete detail starting and completion time of detail activities, the sequence of the Work and all significant activities.

6.6 Extensions of Time.

A. Limited to Excusable Delay. An extension in the scheduled Substantial Completion date will only be granted in the event of Excusable Delays affecting Work activities on the Critical Path. The Contractor shall be entitled to general condition costs and extra costs related to the Excusable Delay for idle labor, equipment inefficiency and lost productivity of the performance of the Work; however, the Contractor must submit evidence reasonably satisfactory to the District substantiating such costs. Such adjustment to the contract sum and Substantial Completion date shall be issued in an amendment to this Agreement.

B. Excusable Delays. To the extent any of the following events results in an actual delay in the Work affecting activities on the Critical Path, such shall constitute an “Excusable Delay” (to the extent not set forth below, a delay will be considered an “Inexcusable Delay”):

1. Delays resulting from Force Majeure events. The term “*Force Majeure*” means an occurrence that is beyond the control of the Party affected and occurs without its fault or negligence. Without limiting the foregoing, Force Majeure includes acts of God, acts of the public enemy, war, riots, strikes, mobilization, labor disputes, civil disorders, fire, floods, lockouts, injunctions-intervention-acts or failures or refusals to act by government authority, and other similar occurrences beyond the control of the Party declaring Force Majeure which such Party is unable to prevent by exercising reasonable diligence. The Force Majeure shall be deemed to commence when the Party declaring Force Majeure notifies the other Party, in accordance with Subsection 14.6, of the existence of the Force Majeure and shall be deemed to continue as long as the results or effects of the Force Majeure prevent the Party from resuming performance in accordance with this Agreement. Force Majeure shall not include: (a) late delivery of equipment or materials caused by congestion at a manufacturer’s plant or elsewhere, an oversold condition of the market, inefficiencies or similar occurrences, or (b) late performance by a Subcontractor unless the delay arises out of a Force Majeure occurrence in accordance with this Subsection 6.6(B). Any delay or failure in

performance by either Party hereto shall not constitute default hereunder or give rise to any claim for damages or loss of anticipated profits if, and to the extent that such delay or failure is caused by Force Majeure. The delayed Party shall cause such delay to cease as soon as practicable and shall notify the other Party in writing. The time of Substantial Completion or Final Completion shall be extended by written amendment for a period of time equal to the time that the results or effects of such delay prevent the delayed Party from performing in accordance with this Agreement.

2. Differing, unusual or concealed Site conditions that could not reasonably have been anticipated by the Contractor in preparing the Master Schedule, including, without limitation, archaeological finds and unusual soil conditions (including rock or other geological conditions), underground foundations, abandoned or not properly identified utility lines and water conditions.

3. Delays resulting from the existence or discovery of Hazardous Materials on the Site not brought to the Site by or on behalf of the Contractor.

4. Delays resulting from changes in Applicable Law occurring after the date of execution of this Agreement.

5. Delays occurring due to the acts or omissions of the District and those within the control of the District.

6. Delays occurring due to the acts or omissions of a utility, so long as Contractor has coordinated with the utility causing the delay and the delay occurs despite reasonable steps taken by Contractor to avoid the delay.

7. Delays resulting from weather conditions that make it unreasonable to perform the Work in accordance with the Master Schedule.

C. Process for Requesting Extension of Time. In order to obtain an extension of time due to an Excusable Delay, the Contractor must comply with the following requirements: The Contractor shall notify the District of the Excusable Delay as soon as practicable, but in no event more than seven Days after the Contractor becomes aware of the occurrence of the Excusable Delay. Such notice shall describe the Excusable Delay and shall state the approximate number of Days the Contractor expects to be delayed. After the cessation of the Excusable Delay, the Contractor shall notify the District of the number of Days the Contractor believes that its activities were in fact delayed by the Excusable Delay. In the event that the delay arises as a result of a Change Order request by the District, the request for an extension of time contained in the resulting Change Order proposal or amendment to this Agreement, as applicable, shall be deemed sufficient for purposes of this Subsection.

D. District Determination. Within 10 Days after cessation of an event giving rise to either an Excusable Delay or Inexcusable Delay, the Parties will use good faith efforts to agree on the extent to which the Work has been delayed and whether the delay is an Excusable Delay or an Inexcusable Delay. In the absence of agreement between the Parties as to the then-current status of Excusable Delays and Inexcusable Delays, the District will provide the

Contractor with written notice of District's determination of the number of Days of Excusable Delay and/or Inexcusable Delay within 10 Days after receipt by the District of the Contractor's written request for such determination. The Contractor shall not, however, deem an issuance by the District of such a determination to be a concurrence with any matters set forth in the Contractor's request. The Contractor may invoke the dispute resolution procedures set forth in Article 13 below with respect to such determination.

6.7 Concurrent Delays. To the extent the Contractor may be entitled to an extension of time due to an Excusable Delay, but the performance of the Work would have been suspended, delayed or interrupted by the fault or neglect of the Contractor or by an Inexcusable Delay, the Contractor shall not be entitled to any additional costs for the period of such concurrency.

6.8 Weather Delays. The Contractor shall include and clearly identify an appropriate number of Days of weather-related delays within (A) the aggregate Master Schedule for the Work and within the portions of the Master Schedule submitted with each GMP Proposal relating to any phase of the Project and (B) each GMP Amendment. If the Contractor experiences additional weather-related delays beyond the number of Days set forth in the Master Schedule and the GMP Amendment, the Contractor shall be entitled to commensurate extension of time and reimbursement of costs associated with such delay; provided such requests for extensions of time are submitted and approved according to the process set forth in Section 6.6 above. If the Contractor fails to include an appropriate number of Days of weather-related delays within the applicable GMP Proposal for any portion of the Project, the Contractor shall not be eligible for any extension of time or reimbursement of costs related to otherwise Excusable Delays relating to weather for the applicable GMP Proposal.

6.9 Liquidated Damages.

A. Established. The Contractor and the District acknowledge that in the event that the Contractor fails to achieve Substantial Completion or Final Completion of the Project by the dates established therefore in the applicable GMP Amendment, as adjusted, the District will incur substantial damages and the extent of such damages shall be incapable of accurate measurement. Nonetheless, the Parties acknowledge that on the date of this Agreement, the amount of liquidated damages set forth below represents a good faith estimate as to the actual potential damages that the District would incur as a result of late Substantial Completion or Final Completion of the Project. Such liquidated damages shall be the sole and exclusive remedy of the District for late completion of the Project, and the District hereby waives all other remedies available at law or in equity with respect to losses resulting from late completion. The amount of the liquidated damages calculated hereunder does not include any penalty.

B. Amount of Liquidated Damages.

1. If the Contractor fails to achieve Substantial Completion of for that portion of the Work applicable to a particular GMP Proposal on or before the Substantial Completion date set forth in the applicable GMP Proposal, as adjusted, for any reason other than Excusable Delays, the Contractor shall pay to the District liquidated damages in the amount per Day as determined by the Maricopa Association of Governments

specifications existing on the date this Agreement is approved by the District Council (the “MAG Specifications”) for each Day Substantial Completion is delayed beyond the Substantial Completion date set forth in the applicable GMP Amendment.

2. If the Contractor fails to achieve Final Completion of for that portion of the Work applicable to a particular GMP Proposal on or before the Final Completion date, as adjusted, for any reason other than Excusable Delays, the Contractor shall pay to the District liquidated damages in the amount per Day as determined by MAG Specifications for each Day Final Completion is delayed beyond the Final Completion date established according to the applicable GMP Amendment.

3. In no case may the amount of liquidated damages due under this Subsection 6.9(B) for any single Day of delay exceed the highest amount, as determined according to MAG Specifications, that would be charged for any single Inexcusable Delay existing on such Day.

4. Payment of liquidated damages is to be made contemporaneously with any required payment to the Contractor, and such payments may be offset against each other.

ARTICLE 7 CONTRACT PRICE

7.1 Pre-construction Phase Compensation.

A. Project Designers’ Services Included. The cost of services performed directly by the Project Designers are included in the Contractor’s compensation.

B. Amount. The District shall pay the Contractor an amount not to exceed **\$115,577.06** for services performed during the Pre-construction Phase, as set forth in Article 2 above, and construction administration services as set forth in Article 4.5, as more particularly described in the Pre-Construction cost summary, attached hereto as Exhibit I and incorporated herein by reference, including all cost items, allowances and reimbursable expenses.

C. Equitable Adjustment. Compensation of Pre-construction Services shall be equitably adjusted if such services extend beyond May 28, 2019, for reasons beyond the reasonable control and not the fault or partial fault of the Contractor or as provided in Section 8.2 below. For changes in Pre-construction Services, compensation shall be adjusted as mutually agreed upon by the District and the Contractor at the time of such extended services.

D. Payments. Payments for Pre-construction Services shall be due and payable within 30 Days following approval of the Contractor’s monthly invoice by the District. Payments due the Contractor that are unpaid for more than 30 Days from the due date of the invoice shall bear interest at the statutory rate.

7.2 Construction Phase Compensation. The portion of Contract Price applicable to the Construction Services shall be the aggregate of all approved GMP Amendments.

A. GMP. The Guaranteed Maximum Price is composed of the Direct Construction Costs and the Construction Fee. The Contractor is at risk to cover any additional Project costs. To the extent the combined total of the Direct Construction Costs and the Construction Fee at the conclusion of the Project is less than the GMP, the difference shall be retained by the District.

B. GMP Adjustment. If a GMP requires an adjustment due to changes in the Work, the cost of such changes is determined subject to Article 8. The markups permitted on such changes shall be no greater than the markups delineated in the approved GMP.

C. District's Contingency. District's Contingency funds are to be used at the discretion of the District to cover any increases in Project costs that result from District-directed changes or unforeseen Site conditions. District's Contingency will be approved in conjunction with the applicable GMP Amendment but will not be included in the full Contract Price. Markups for Construction Fee and taxes will be applied by the Contractor at the time that District's Contingency is used. The amount of contingency for each GMP amendment will be negotiated separately.

D. Payment Data. The Contractor shall submit to the District, upon request, all payrolls, reports, estimates, records and any other data concerning the Work performed or to be performed or concerning materials supplied or to be supplied, as well as Subcontractor or Consultant payment applications or invoices and such Subcontractor's or Consultant progress payment checks. The requirements of this Section shall be included in all contracts between the Contractor and its Subcontractors and Consultants. The District may exercise its rights under this Section as often as reasonably necessary in the District's sole judgment to ensure the District has a complete and accurate understanding of all Project costs.

7.3 Adjustment in the Contract Price. Adjustment to the respective components of the Contract Price shall be made as follows:

A. Changes in the Work. For changes in the Work as provided in Article 8 below, the applicable Contract Price shall be adjusted as mutually agreed by the Parties, in writing, prior to commencement of any work pursuant to such changes.

B. Delays in the Work. For delays in the Work not caused, in whole or in part, by the Contractor, Subcontractors, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, there will be an equitable adjustment in the Contract Price to compensate the Contractor for increased expenses due to unforeseeable circumstances, according to the requirements of Article 6 above.

C. Replacement Work. If the Contractor is placed in charge of managing the replacement of an insured or uninsured loss not caused by or the fault of the Contractor or other parties identified in Subsection 7.3(B) above, the Contractor shall be paid an additional fee in the same proportion that the applicable portion of the Contract Price bears to the estimated applicable Cost of the Work, or as otherwise agreed to by the Parties.

ARTICLE 8 CHANGES IN THE WORK

8.1 Prescribed Methods for Changes. Changes in Contractor's Services shall only be made by a written Change Directive or Change Order to this Agreement signed by the District and the Contractor. Changes involving (A) a change in the lump sum for the Pre-Construction Services set forth in Section 7.1 above or (B) a change in any GMP, shall be considered a Change Order and must be approved as an amendment to this Agreement and executed by the District and the Contractor. The Contractor shall not (A) perform any additional Services or (B) eliminate any duties included in the Services until a written amendment addressing the Change Order has been properly approved and executed by both Parties. The Contractor shall proceed to perform the Services required by the Change Order only after receiving written notice from the District directing the Contractor to proceed.

8.2 Change Control System. The Contractor shall establish and implement a change control system. All proposed changes shall first be described in detail in writing by the requesting party. The requesting party shall submit detailed information to the Contractor for evaluation concerning the costs and time adjustments, if any, necessary to perform the proposed changed work. The Contractor shall discuss the proposed change with the appropriate Subcontractor and endeavor to determine the Subcontractor's basis for the cost to perform the work and the effect, if any, on the applicable GMP. The Contractor shall make a recommendation to the District pursuant to this Article 8 prior to the District's acceptance of all change requests.

8.3 Change Directives; Change Orders; GMP Adjustments. Changes in the Work that are within the general scope of this Agreement may be accomplished by Change Directive without invalidating this Agreement; provided, however, that any change in the Work that will result in an increase to a GMP or extension of the Substantial Completion date shall be pursuant to a Change Order approved by a written amendment to this Agreement clearly delineating the amounts attributable to compensation for the General Conditions Costs, the Construction Fee and other Cost of the Work.

8.4 Determination of Cost. An increase or decrease in a GMP resulting from a change in the Work shall be determined by one or more of the following methods:

- A. Unit prices set forth in this Agreement or as subsequently agreed.
- B. Mutually accepted, itemized lump sum.
- C. Costs determined as defined in Article 3 above.

D. If an increase or decrease cannot be agreed to as set forth in Subsections 8.4(A) and (B) and the District issues a written order for the Contractor to proceed with the change, the cost of the change in the Work shall be determined by the reasonable expense or savings of the performance of the Work resulting from the change.

8.5 No Obligation to Perform. The Contractor shall not be obligated to perform changed Work until a Change Directive or a Change Order/amendment to this Agreement, as applicable, has been executed by the District and the Contractor, except as provided in Subsection 8.4(D) above.

8.6 Adjustment of Unit Prices. If a proposed change alters original quantities to a degree that application of previously agreed to unit prices would be inequitable to either the District or the Contractor, the unit prices shall be equitably adjusted and, if the result is an increase to a GMP, an amendment to this Agreement shall be executed.

8.7 Unknown Conditions. If, in the performance of the Work, the Contractor or its Subcontractor finds latent, concealed or subsurface physical conditions that (A) differ from the conditions the Contractor or its Subcontractor should have reasonably anticipated, (B) differ substantially from available soils reports or (C) differ substantially and materially from those normally encountered and generally recognized as inherent in the kind of work provided for in this Agreement at this location (occurrence of shifting and expansive soils, including clay soils and sandstone expressly noted as commonly occurring in the Project area), then the applicable GMP compensation and/or the Substantial Completion date may be equitably adjusted only if the Contractor notifies the District within seven Days after the conditions are first observed in accordance with Article 6 above.

8.8 Emergencies. In any emergency affecting the safety of persons and/or property, the Contractor shall act, at its discretion, to prevent threatened damage, injury or loss. Any change in a GMP, compensation for Pre-construction Services, the Contract Price and/or extension of the Substantial Completion date on account of emergency work shall be determined as provided in this Agreement.

ARTICLE 9 PAYMENT

9.1 Progress Payments.

A. Submittal Process. On or before the 15th day of each month after the construction phase has commenced, the Contractor shall submit to the District an “Application for Payment” consisting of the Cost of the Work performed up to the end of the prior month, including the cost of material stored on the Site or at other locations approved by the District, along with a proportionate share of the Construction Fee. For the purpose of audit, prior to submission of the next Application for Payment, the Contractor shall make available at the request of the District a statement accounting for the disbursement of funds received under the previous Application. The form and extent of such statement shall be as agreed upon between the District and Contractor.

B. District’s Payment. Within seven Days after approval of each monthly Application for Payment, the District shall pay directly to the Contractor the appropriate amount for which Application for Payment is made, less amounts (1) previously paid by the District, (2) sufficient to pay expenses the District reasonably expects to incur in correcting deficiencies that

are set forth in writing and provided to the Contractor and (3) any retainage as set forth in Section 9.2 below.

C. No Liens. The Contractor warrants and guarantees that the title to all Work, materials and equipment covered by an Application for Payment, whether incorporated in the Project or not, will pass to the District upon receipt of such payment by the Contractor free and clear of all liens, claims, security interests or encumbrances.

D. Non-Conforming Work. The District's progress payment, occupancy or use of the Project, whether in whole or in part, shall not be deemed as acceptance of any Work not conforming to the requirements of this Agreement or the Contract Documents.

E. Unfinished Items. Upon Substantial Completion of the Work, the District shall pay the Contractor the unpaid balance of the Cost of the Work, General Conditions Costs and the Construction Fee, less a sum equal to the Contractor's estimated cost of completing any unfinished items as agreed to between the District and the Contractor as to extent and time for completion. The District thereafter shall pay the Contractor monthly the amount retained for unfinished items as each item is completed.

9.2 Retainage.

A. Exceptions to Retainage Requirement. No retainage shall be withheld with respect to gross receipts tax and premiums for bonds and insurance.

B. Amount Retained. With respect to the Work, the District shall retain 10% of the amount of each estimate until Final Completion and acceptance of all material, equipment and work covered by the Contract Documents.

1. Any securities submitted by Contractor in lieu of retainage as may be allowed by law, shall be deposited in an escrow account by the District. The District shall be listed as payee or multiple payee with Contractor on all such securities.

2. When the Work is 50% completed, one-half of the amount retained including any securities substituted pursuant to Subsection 9.2(B)(1) shall be paid to the Contractor upon the Contractor's request, provided the Contractor is making satisfactory progress on the Work and there is no specific cause or claim requiring a greater amount to be retained. After the construction Work is 50% completed, no more than 5% of the amount of any subsequent progress payments made under the Contract Documents may be retained, provided the Contractor is making satisfactory progress on the Project. If, at any time, the District determines satisfactory progress is not being made, 10% retention shall be reinstated for all progress payments made under the Contract Documents after the determination.

9.3 Payment for On-site and Off-site Stored Materials. Payment shall be made on account of materials and equipment delivered and suitably stored at the Site for subsequent incorporation in the Work. Payment may similarly be made for materials and equipment suitably stored off the Site, conditioned upon the Contractor furnishing evidence to the Owner that (A)

title to the materials and equipment will pass to the District upon payment therefore, (B) the materials and equipment are adequately insured and (C) such other matters as the District may reasonably request in order to protect its interests.

9.4 Title to Construction Work. The Contractor warrants that title to all Work covered by an Application for Payment shall pass to the District no later than the time of payment. The Contractor further warrants that, upon submittal of an Application for Payment, all Work for which Applications for Payment have been previously issued and payments received from the District shall be free and clear of liens, claims, security interests or encumbrances in favor of the Contractor, Subcontractors, material suppliers, or other persons or entities making a claim by reason of having provided labor, materials and equipment relating to the Work.

9.5 Offset.

A. Offset for Damages. In addition to all other remedies at law or equity, the District may offset against any money due to the Contractor any amounts Contractor owes to the District for damages resulting from breach or deficiencies in performance or breach of any obligation under this Agreement.

B. Offset for Delinquent Fees or Taxes. The District may offset against any money due to the Contractor any amounts Contractor owes to the District for delinquent fees, transaction privilege use taxes and property taxes, including any interest or penalties.

9.6 Final Payment.

A. Fully Completed Work. Final payment, consisting of the unpaid balance of (1) the Cost of the Work, (2) compensation for Pre-Construction Services and (3) the Construction Fee, shall be due and payable when the Work is fully completed and accepted by the District. Before issuance of final payment, the District may request satisfactory evidence that all payrolls, materials bills and other indebtedness connected with the Work have been paid or otherwise satisfied.

B. Waiver of Claims. In making final payment, the District waives all claims against the Contractor except for:

1. Outstanding liens.
2. Improper workmanship or defective materials.
3. Work not in conformance with the Contract Documents or work not completed.
4. Terms of any special warranties required by the Contract Documents.

5. Delivery to District of all warranties, operation and maintenance manuals, record drawings and other documents as required by the Contract Documents.

6. Right to audit Contractor records for a period of three years.

7. Claims previously made in writing that remain unsettled.

C. Acceptance as Waiver. Acceptance of final payment by the Contractor shall constitute a waiver of affirmative claims by the Contractor against the District, its employees, elected officials and agents, except those previously made in writing and identified as unsettled at the time of final payment.

9.7 Payments to Subcontractors.

A. The Contractor shall pay its Subcontractors or suppliers within seven Days of receipt of each progress payment from the District and as required by Arizona law. The Contractor shall pay for the amount of Work performed or materials supplied by each Subcontractor or Supplier as accepted and approved by the District with each progress payment. In addition, any reduction of retention by the District to the Contractor shall result in a corresponding reduction to Subcontractors or suppliers who have performed satisfactory work. The Contractor shall pay Subcontractors or suppliers the reduced retention within 14 Days of the payment of the reduction of the retention to the Contractor. No Contract between the Contractor and its Subcontractors and suppliers may materially alter the rights of any Subcontractor or supplier to receive prompt payment and retention reduction as provided herein or by Arizona law.

B. Failure to Timely Pay. The Contractor agrees that if it fails to make payments in accordance with these provisions, the District may take any one or more of the following actions:

1. Hold the Contractor in default under this Agreement.

2. Withhold future payments, including retention, until proper payment has been made to Subcontractors or suppliers in accordance with these provisions.

3. Reject all future offers to perform work for the District from the Contractor for a period not to exceed one year from Substantial Completion date of this Project.

4. Terminate this Agreement.

5. Make a claim against the bonds required pursuant to Article 11.

C. No Waiver. Should the District fail or delay in exercising or enforcing any right, power, privilege, or remedy under this Section, such failure or delay shall not be

deemed a waiver, release, or modification of the requirements of this Section or of any of the terms or provisions thereof.

D. Inclusion in Subcontracts. The Contractor shall include these prompt payment provisions in every subcontract, including procurement of materials and leases of equipment for this Agreement.

9.8 Record Keeping and Finance Controls.

A. Retention Requirement. Records of the Contractor's direct personnel payroll, reimbursable expenses pertaining to this Project and records of accounts between the District and the Contractor shall be kept on a generally recognized accounting basis and shall be available for three years after Final Completion of the Project.

B. Audit Rights. The District, its authorized representative, and/or the appropriate federal agency, reserve the right to audit the Contractor's records to verify the accuracy and appropriateness of all pricing data, including data used to negotiate Contract Documents and any Change Orders.

C. Pricing Data Inaccuracies. The District reserves the right to decrease Contract Price and/or payments made on this Agreement, in an amount determined by the District in its sole discretion, if, upon audit of the Contractor's records, the audit discloses the Contractor has provided false, misleading, or inaccurate cost and pricing data.

D. Inclusion in Subcontracts. The Contractor shall include a similar provision in all of its agreements with Subconsultants and Subcontractors providing services under the Contract Documents to ensure the District, its authorized representative, and/or the appropriate federal agency, has access to the Subconsultants' and Subcontractors' records to verify the accuracy of cost and pricing data.

E. District Remedies. The District reserves the right to decrease Contract Price and/or payments made under this Agreement, in an amount determined by the District in its sole discretion, if the above provision is not included in Subconsultant's and Subcontractor's contracts, and one or more Subconsultants and/or Subcontractors do not allow the District to audit their records to verify the accuracy and appropriateness of pricing data.

ARTICLE 10 INSURANCE AND INDEMNITY

10.1 Insurance Representations and Requirements.

A. General.

1. Insurer Qualifications. Without limiting any obligations or liabilities of the Contractor, the Contractor shall purchase and maintain, at its own expense, hereinafter stipulated minimum insurance with insurance companies authorized to do business in the State of Arizona pursuant to ARIZ. REV. STAT. § 20-206, as

amended, with an AM Best, Inc. rating of A- or above with policies and forms satisfactory to the District. Failure to maintain insurance as specified herein may result in termination of this Agreement at the District's option.

2. No Representation of Coverage Adequacy. By requiring insurance herein, the District does not represent that coverage and limits will be adequate to protect the Contractor. The District reserves the right to review any and all of the insurance policies and/or endorsements cited in this Agreement but has no obligation to do so. Failure to demand such evidence of full compliance with the insurance requirements set forth in this Agreement or failure to identify any insurance deficiency shall not relieve Contractor from, nor be construed or deemed a waiver of, its obligation to maintain the required insurance at all times during the performance of this Agreement.

3. Additional Insured. All insurance coverage, except Workers' Compensation insurance and Professional Liability insurance, if applicable, shall name, to the fullest extent permitted by law for claims arising out of the performance of this Agreement, the District, its agents, representatives, officers, directors, officials and employees as Additional Named Insured as specified under the respective coverage sections of this Agreement.

4. Coverage Term. All insurance required herein shall be maintained in full force and effect until all work or services required to be performed under the terms of this Agreement are satisfactorily performed, completed and formally accepted by the District, unless specified otherwise in this Agreement.

5. Primary Insurance. Contractor's insurance shall be primary insurance with respect to performance of this Agreement and in the protection of the District as an Additional Insured.

6. Claims Made. In the event any insurance policies required by this Agreement are written on a "claims made" basis, coverage shall extend, either by keeping coverage in force or purchasing an extended reporting option, for three years past completion and acceptance of the services. Such continuing coverage shall be evidenced by submission of annual Certificates of Insurance and necessary endorsements citing applicable coverage is in force and contains the provisions as required herein for the three-year period.

7. Waiver. All policies, excluding Professional Liability but including Workers' Compensation insurance, shall contain a waiver of rights of recovery (subrogation) against the District, its agents, representatives, officials, officers and employees for any claims arising out of the work or services of Contractor. Contractor shall arrange to have such subrogation waivers incorporated into each policy via formal written endorsement thereto.

8. Policy Deductibles and/or Self-Insured Retentions. The policies set forth in these requirements may provide coverage that contains deductibles or self-insured retention amounts. Such deductibles or self-insured retention shall not be

applicable with respect to the policy limits provided to the District. Contractor shall be solely responsible for any such deductible or self-insured retention amount.

9. Use of Subcontractors. If any work under this Agreement is subcontracted in any way, Contractor shall execute written agreements with its subcontractors containing the indemnification provisions set forth below and insurance requirements set forth herein protecting the District and Contractor. Contractor shall be responsible for executing any agreements with its subcontractors and obtaining certificates of insurance verifying the insurance requirements.

10. Evidence of Insurance. Prior to commencing any work or services under this Agreement, Contractor will provide the District with suitable evidence of insurance in the form of certificates of insurance and a copy of the declaration page(s) of the insurance policies as required by this Agreement, issued by Contractor's insurance insurer(s) as evidence that policies are placed with acceptable insurers as specified herein and provide the required coverages, conditions and limits of coverage specified in this Agreement and that such coverage and provisions are in full force and effect. Confidential information such as the policy premium may be redacted from the declaration page(s) of each insurance policy, provided that such redactions do not alter any of the information required by this Agreement. The District shall reasonably rely upon the certificates of insurance and declaration page(s) of the insurance policies as evidence of coverage but such acceptance and reliance shall not waive or alter in any way the insurance requirements or obligations of this Agreement. If any of the policies required by this Agreement expire during the life of this Agreement, it shall be Contractor's responsibility to forward renewal certificates and declaration page(s) to the District 30 Days prior to the expiration date. All certificates of insurance and declarations required by this Agreement shall be identified by referencing this Agreement. A \$25.00 administrative fee shall be assessed for all certificates or declarations received without a reference to this Agreement. Additionally, certificates of insurance and declaration page(s) of the insurance policies submitted without referencing this Agreement will be subject to rejection and may be returned or discarded. Certificates of insurance and declaration page(s) shall specifically include the following provisions:

a. The District, its agents, representatives, officers, directors, officials and employees are Additional Insureds as follows:

i. Commercial General Liability – Under Insurance Services Office, Inc., (“ISO”) Form CG 20 10 03 97 or equivalent.

ii. Auto Liability – Under ISO Form CA 20 48 or equivalent.

iii. Excess Liability – Follow Form to underlying insurance.

b. Contractor's insurance shall be primary insurance with respect to performance of this Agreement.

c. All policies, except for Professional Liability, including Workers' Compensation, waive rights of recovery (subrogation) against District, its agents, representatives, officers, officials and employees for any claims arising out of work or services performed by Contractor under this Agreement.

d. ACORD certificate of insurance form 25 (2014/01) is preferred. If ACORD certificate of insurance form 25 (2001/08) is used, the phrases in the cancellation provision "endeavor to" and "but failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents or representatives" shall be deleted. Certificate forms other than ACORD form shall have similar restrictive language deleted.

11. Endorsements. Contractor shall provide the District with the necessary endorsements to ensure District is provided the insurance coverage set forth in this Article.

B. Required Insurance Coverage.

1. Commercial General Liability. Contractor shall maintain "occurrence" form Commercial General Liability insurance with an unimpaired limit of not less than \$1,000,000 for each occurrence, \$2,000,000 Products and Completed Operations Annual Aggregate and a \$2,000,000 General Aggregate Limit. The policy shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal injury and advertising injury. Coverage under the policy will be at least as broad as ISO policy form CG 00 010 93 or equivalent thereof, including but not limited to, separation of insured's clause. To the fullest extent allowed by law, for claims arising out of the performance of this Agreement, the District, its agents, representatives, officers, officials and employees shall be cited as an Additional Insured under ISO, Commercial General Liability Additional Insured Endorsement form CG 20 10 03 97, or equivalent, which shall read "Who is an Insured (Section II) is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" for that insured by or for you." If any Excess insurance is utilized to fulfill the requirements of this Subsection, such Excess insurance shall be "follow form" equal or broader in coverage scope than underlying insurance.

2. Vehicle Liability. Contractor shall maintain Business Automobile Liability insurance with a limit of \$1,000,000 each occurrence on Contractor's owned, hired and non-owned vehicles assigned to or used in the performance of the Contractor's work or services under this Agreement. Coverage will be at least as broad as ISO coverage code "1" "any auto" policy form CA 00 01 12 93 or equivalent thereof. To the fullest extent allowed by law, for claims arising out of the performance of this Agreement, the District, its agents, representatives, officers, directors, officials and employees shall be cited as an Additional Insured under ISO Business Auto policy Designated Insured Endorsement form CA 20 48 or equivalent. If any Excess insurance

is utilized to fulfill the requirements of this Subsection, such Excess insurance shall be “follow form” equal or broader in coverage scope than underlying insurance.

3. Professional Liability. If this Agreement is the subject of any professional services or work, or if the Contractor engages in any professional services or work in any way related to performing the work under this Agreement, the Contractor shall maintain Professional Liability insurance covering negligent errors and omissions arising out of the Services performed by the Contractor, or anyone employed by the Contractor, or anyone for whose negligent acts, mistakes, errors and omissions the Contractor is legally liable, with an unimpaired liability insurance limit of \$2,000,000 each claim and \$2,000,000 annual aggregate.

4. Workers’ Compensation Insurance. Contractor shall maintain Workers’ Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction over Contractor’s employees engaged in the performance of work or services under this Agreement and shall also maintain Employers Liability Insurance of not less than \$500,000 for each accident, \$500,000 disease for each employee and \$1,000,000 disease policy limit.

5. Builder’s Risk Insurance. Unless expressly waived by the District in a written amendment to this Agreement, the Contractor shall be responsible for purchasing and maintaining insurance to protect the Project from perils of physical loss. The insurance shall provide for the full cost of replacement for the entire Project at the time of any loss. The insurance shall include as named insureds the District, the Contractor, and the Contractor’s Subcontractors and shall insure against loss from the perils of fire and all-risk coverage for physical loss or damage due to theft, vandalism, collapse, malicious mischief, transit, flood, earthquake, testing, resulting loss arising from defective design, negligent workmanship or defective material. The Contractor shall increase the coverage limits as necessary to reflect changes in the estimated replacement cost.

C. Cancellation and Expiration Notice. Insurance required herein shall not expire, be canceled, or be materially changed without 30 Days’ prior written notice to the District.

10.2 Indemnity. To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the District and each council member, officer, employee or agent thereof (the District and any such person being herein called an “Indemnified Party”), for, from and against any and all losses, claims, damages, liabilities, costs and expenses (including, but not limited to, reasonable attorneys’ fees, court costs and the costs of appellate proceedings) to which any such Indemnified Party may become subject, under any theory of liability whatsoever (“Claims”) to the extent that such Claims (or actions in respect thereof) are caused by the negligent acts, recklessness or intentional misconduct of the Contractor, its officers, employees, agents, or any tier of subcontractor in connection with Contractor’s work or services in the performance of this Agreement. The amount and type of insurance coverage requirements set forth below will in no way be construed as limiting the scope of the indemnity in this Section.

ARTICLE 11

BONDS

11.1 Performance Bond. After the District and the Contractor have agreed to a GMP but prior to commencing the Construction Services attributable to such GMP, the Contractor shall be required to furnish the District with an irrevocable security binding the Contractor to provide faithful performance of the Agreement in the amount of 100% of the percentage of the GMP attributable to the Construction Services, payable to the District and shall not include the cost of any design services, preconstruction services, finance services, maintenance services, operations services or any other related services. Performance security shall be in the form of a performance bond, certified check or cashier's check. If the Contractor fails to execute the security document as required, the Contractor may be found in material default of this Agreement, permitting the District to terminate this Agreement for cause as set forth in Section 12 below. In case of default the District reserves all rights. All performance bonds shall be executed on the form attached hereto as Exhibit J, duly executed by the Contractor as Principal and having as Surety thereon a Surety company approved by the District and holding a Certificate of Authority issued by the Arizona Department of Insurance to transact surety business in the State of Arizona. Individual sureties are unacceptable. All Insurers and Sureties shall have at the time of submission of the proposal an A.M. Best's Key Rating Guide of "A-" or better as currently listed in the most recent Best Key Guide, published by the A.M. Best Company.

11.2 Payment Bond. After the District and the Contractor have agreed to a GMP but prior to commencing the Construction Services attributable to such GMP, the Contractor shall be required to furnish the District with an irrevocable security for the protection of all claimants supplying labor or materials to the Contractor or any Subcontractor in the prosecution of the construction and not for the protection of persons providing any design services, preconstruction services, finance services, maintenance services, operations services or other related services related to the Agreement. Payment security shall be in the amount of 100% of the portion of the GMP attributable to the Construction Services and be payable to the District. Payment security shall be in the form of a payment bond, certified check or cashier's check. If the Contractor fails to execute the security document as required, the Contractor may be found in material default of this Agreement, permitting the District to terminate this Agreement for cause as set forth in Section 12 below. All payment bonds shall be executed on a the form attached hereto as Exhibit K, duly executed by the Contractor as Principal and having as Surety thereon a Surety company approved by the District and holding a Certificate of Authority issued by the Arizona Department of Insurance to transact surety business in the State of Arizona. Individual sureties are unacceptable. All Insurers and Sureties shall have at the time of submission of the proposal an A.M. Best's Key Rating Guide of "A-" or better as currently listed in the most recent Best Key Guide, published by the A.M. Best Company.

ARTICLE 12

TERMINATION AND SUSPENSION

12.1 Termination by the Contractor.

A. Procedure. Upon 30 Days' written notice to the District of one of the reasons set forth below, and if the District fails to cure or initiate reasonable action to cure within 30 Days of receipt of said notice, the Contractor may terminate this Agreement for any of the following:

1. If the Work has been stopped for a 60-Day period:
 - a. Under court order or order of other governmental authorities having jurisdiction; or
 - b. As a result of the declaration of a national emergency or other governmental act during which, through no act or fault of the Contractor, materials are not available.
2. If the Work is suspended by the District for more than 60 Days.
3. If the District materially delays the Contractor in the performance of the Work.
4. If the District otherwise materially breaches this Agreement.

B. Payment to Contractor. Upon termination by the Contractor in accordance with Subsection 12.1(A) above, the Contractor shall be entitled to recover from the District payment for all Work completed to the date of termination plus reasonable demobilization costs, subcontract and purchase order termination costs, reasonable overhead, extended general conditions and profit on the Work performed. The District may subtract reasonable estimates of costs for deficient work from the payments noted above.

12.2 Termination by the District for Cause.

A. Contractor Default. If the Contractor refuses or fails, except in cases for which extension of time is provided, to supply sufficient properly skilled staff or proper materials, or disregards laws, ordinances, rules, regulations, or orders of any public authority jurisdiction, or otherwise substantially violates or materially breaches any term or provision of this Agreement, and such nonperformance or violation continues without cure for 15 Days after the Contractor receives written notice of such nonperformance or violation from the District, then the District may, without prejudice to any right or remedy otherwise available to the District, terminate this Agreement.

B. Contractor Insolvency. Upon the appointment of a receiver for the Contractor, or if the Contractor makes a general assignment for the benefit of creditors, the District may terminate this Agreement, without prejudice to any right or remedy otherwise

available to the District, upon giving three Days' written notice to the Contractor. If an order for relief is entered under the bankruptcy code with respect to the Contractor, the District may terminate this Agreement by giving three Days' written notice to the Contractor unless the Contractor or the trustee does all of the following:

1. Promptly cures all breaches within such three-Day period.
2. Provides adequate assurances of future performance.
3. Compensates the District for actual pecuniary loss resulting from such breach(es).
4. Assumes the obligations of the Contractor within the established time limits.

C. Failure to Agree on a GMP. If the District and the Contractor fail, after good faith efforts, to agree upon a GMP, this Agreement may be terminated upon 15 Days' notice from either Party to the other. In the event of a termination for failure to agree on a GMP, the Contractor's sole and exclusive right and remedy shall be to be paid for all Work performed and to receive equitable adjustment for all Work performed through the date of termination plus reasonable demobilization costs, subcontract and purchase order termination costs, reasonable overhead and profit on the Work performed. The Contractor shall not be entitled to be paid any amount as profit for unperformed Work or Services or consideration for the termination under this Subsection.

12.3 Termination by the District for Convenience. The District may, upon 30 Days' written notice to the Contractor, terminate this Agreement, in whole or in part, for the convenience of the District, without prejudice to any right or remedy otherwise available to the District. Upon receipt of such notice, the Contractor shall immediately discontinue all services affected unless such notice directs otherwise. In the event of a termination for convenience of the District, the Contractor's sole and exclusive right and remedy shall be to be paid for all Work performed and to receive equitable adjustment for all Work performed through the date of termination plus reasonable demobilization costs, subcontract and purchase order termination costs, reasonable overhead and profit on the Work performed. The Contractor shall not be entitled to be paid any amount as profit for unperformed Work or Services or consideration for the termination of convenience by the District.

12.4 Set Off. Upon termination of this Agreement by the District, the District shall be entitled to furnish or have furnished the Services to be performed hereunder by the Contractor by whatever method the District may deem expedient. Also, in such case, the Contractor shall not be entitled to receive any further payment until completion of the Work and the total compensation to the Contractor under this Agreement shall be the amount that is equitable under the circumstances. If the District and the Contractor are unable to agree on the amount to be paid under the foregoing sentence, the District shall fix an amount, if any, that it deems appropriate in consideration of all of the circumstances surrounding such termination, and shall make payment accordingly. The Contractor may dispute the District's assessment of the termination amount by the method of dispute resolution under Article 13 of this Agreement.

12.5 Suspension by the District for Convenience.

A. Procedure. The District may order the Contractor in writing to suspend, delay or interrupt all or any part of the Work without cause for such period of time as the District may determine to be appropriate for its convenience, but not in abrogation of the rights given Contractor in Section 12.1 above.

B. Adjustments to GMP and Schedule. Adjustments caused by suspension, delay or interruption shall be made for increases in the applicable GMP and/or the applicable Substantial Completion date. No adjustment shall be made if the Contractor is or otherwise would have been responsible for the suspension, delay or interruption of the Work, or if another provision of this Agreement is applied to render an equitable adjustment.

**ARTICLE 13
DISPUTE RESOLUTION**

13.1 Scope. Notwithstanding anything to the contrary provided elsewhere in the Contract Documents, except for Subsection 13.4 (G) below, the alternative dispute resolution (“ADR”) process provided for herein shall be the exclusive means for resolution of claims or disputes arising under, relating to or touching upon the Agreement, the interpretation thereof or the performance or breach by any party thereto, including but not limited to original claims or disputes asserted as cross claims, counterclaims, third party claims or claims for indemnity or subrogation, in any threatened or ongoing litigation or arbitration with third parties, if such disputes involve parties to agreements containing this ADR provision.

13.2 Neutral Evaluator, Arbitrators. The District will select a Neutral Evaluator to serve as set forth in this ADR process. The District and Contractor shall each select an arbitrator to serve as set forth in this ADR process. Each arbitrator selected shall be a member of the State Bar of the State of Arizona and shall have experience in the field of construction law. None of the arbitrators nor any of the arbitrator’s firms shall have presently, or in the past, represented any party to the arbitration.

13.3 Neutral Evaluation Process. If the Parties have been unable to resolve the disputes after discussions and partnering, the following neutral evaluation process shall be used to resolve any such dispute.

A. Notification of Dispute. The District shall notify the Neutral Evaluator in writing of the existence of a dispute within 10 Days of the District or the Contractor declaring need to commence the neutral evaluation process.

B. Non-Binding Informal Hearing. The Neutral Evaluator shall schedule a non-binding informal hearing of the matter to be held within seven Days from receipt of notification of the existence of a dispute. The Neutral Evaluator may conduct the hearing in such manner as he deems appropriate and shall notify each party of the hearing and of its opportunity to present evidence it believes will resolve the dispute. Each party to the dispute shall be notified by the Neutral Evaluator that it shall submit a written outline of the issues and evidence intended

to be introduced at the hearing and the proposed resolution of the dispute to the Neutral Evaluator before the hearing commences. Arbitrators shall not participate in such informal hearing or proceedings process. The Neutral Evaluator is not bound by the rules of evidence when admitting evidence in the hearing and may limit the length of the hearing, the number of witnesses or any evidence introduced to the extent deemed relevant and efficient.

C. Non-Binding Decision. The Neutral Evaluator shall render a non-binding written decision as soon as possible, but not later than five Days after the hearing.

13.4 Binding Arbitration Procedure. The following binding arbitration procedure, except as provided in Subsection 13.4(G) below, shall serve as the exclusive method to resolve a dispute if any party chooses not to accept the decision of the Neutral Evaluator. The party requesting binding arbitration shall notify the Neutral Evaluator in writing within three Days of receipt of the Neutral Evaluator's decision of a request for arbitration. If the Contractor requests arbitration it shall post a cash bond with the Neutral Evaluator in an amount agreed upon by the Parties or, in the event of no agreement, the Neutral Evaluator shall establish the amount of the cash bond to defray the cost of the arbitration as set forth in Subsection 13.4(M) and the proceeds from the bond shall be allocated in accordance with Subsection 13.4(M) by the Arbitration Panel.

A. Arbitration Panel. The Arbitration Panel shall consist of three arbitrators: the District's appointed arbitrator, the Contractor's appointed arbitrator and a third arbitrator (or "Neutral Arbitrator") who shall be selected by the Parties' arbitrators as set forth in Subsection 13.4(B) below. If one or more Subcontractor(s) is (are) involved in a dispute, the Subcontractors shall agree on an appointee to serve as arbitrator on behalf of all such Subcontractors. The Neutral Evaluator shall not participate in the proceedings.

B. Selection of Neutral Arbitrator. The Parties' arbitrators shall choose the Neutral Arbitrator within five Days of receipt of notification of a dispute from the Neutral Evaluator. The Neutral Arbitrator shall have the same qualifications as those of the arbitrators set forth in Section 13.2 above. In the event that the selected arbitrators cannot agree on the Neutral Arbitrator as set forth above, the Neutral Arbitrator shall be the "Default Neutral Arbitrator." The Default Neutral Arbitrator shall be selected as follows: the District and the Contractor shall each submit two names to the presiding judge of the Pima County Superior Court, who shall select one person to serve as the Default Neutral Arbitrator.

C. Expedited Hearing. The Parties have structured this procedure with the goal of providing for the prompt, efficient and final resolution of all disputes falling within the purview of this ADR process. To that end, any Party can petition the Neutral Evaluator to set an expedited hearing. If the Neutral Evaluator determines that the circumstances justify it, the Neutral Evaluator shall contact the selected Arbitration Panel and arrange for scheduling of the arbitration at the earliest possible date. In any event, the hearing of any dispute not expedited will commence as soon as practical but in no event later than 20 Days after notification of request for arbitration having been submitted. This deadline can be extended only with the consent of all the Parties to the dispute, or by decision of the Arbitration Panel upon a showing of emergency circumstances.

D. Procedure. The Arbitration Panel will select a chairman and will conduct the hearing in such a manner that will resolve disputes in a prompt, cost-effective manner giving regard to the rights of all parties. Each Party shall supply to the Arbitration Panel a written pre-hearing statement which shall contain a brief statement of the nature of the claim or defense, a list of witnesses and exhibits, a brief description of the subject matter of the testimony of each witness who will be called to testify, and an estimate as to the length of time that will be required for the arbitration hearing. The Arbitration Panel shall review and consider the Neutral Evaluator decision. The chairman shall determine the nature and scope of discovery, if any, and the manner of presentation of relevant evidence consistent with deadlines provided herein, and the Parties' objective that disputes be resolved in a prompt and efficient manner. No discovery may be had of any materials or information for which a privilege is recognized by Arizona law. The chairman, upon proper application, shall issue such orders as may be necessary and permissible under law to protect confidential, proprietary or sensitive materials or information from public disclosure or other misuse. Any Party may make application to the Pima County Superior Court to have a protective order entered as may be appropriate to confirm such orders of the chairman.

E. Hearing Days. In order to effectuate Parties' goals, the hearing once commenced, will proceed from Day to Day until concluded, absent a showing of emergency circumstances.

F. Award. The Arbitration Panel shall, within 10 Days from the conclusion of any hearing, by majority vote issue its award. The award shall include an allocation of fees and costs pursuant to Subsection 13.4(M) below. The award is to be rendered in accordance with this Agreement and the laws of the State of Arizona.

G. Scope of Award. The Arbitration Panel shall be without authority to award punitive damages, and any such punitive damage award shall be void. The Arbitration Panel shall be without any authority to issue an award against any individual Party in excess of 20% of the original Agreement amount, but in no event shall any award exceed \$2,000,000, exclusive of interest, arbitration fees, costs and attorneys' fees. If an award is made against any individual Party in excess of \$100,000, exclusive of interest, arbitration fees, costs and attorneys' fees, it must be supported by written findings of fact, conclusions of law and a statement as to how damages were calculated. Any claim in excess of 20% of the original Agreement amount or in excess \$2,000,000 shall be subject to the jurisdiction of the Superior Court of Arizona, Pima County. Any Party may contest the validity of the amount claimed if an action is filed in the Superior Court.

H. Jurisdiction. The Arbitration Panel shall not be bound for jurisdictional purposes by the amount asserted in any Party's claim, but shall conduct a preliminary hearing into the question of jurisdiction upon application of any Party at the earliest convenient time, but not later than the commencement of the arbitration hearing.

I. Entry of Judgment. Any Party can make application to the Pima County Superior Court for confirmation of an award, and for entry of judgment on it.

J. Severance and Joinder. To reduce the possibility of inconsistent adjudications, the Neutral Evaluator or the Arbitration Panel, may: (1) at the request of any Party, join and/or sever Parties, and/or claims arising under other contracts containing this ADR provision and (2) the Neutral Evaluator, on his own authority, or the Arbitration Panel may, on its own authority, join or sever Parties and/or claims subject to this ADR process as they deem necessary for a just resolution of the dispute, consistent with the Parties' goal of the prompt and efficient resolution of disputes; provided, however, that the Contractor, the Project Designers and other Project professionals shall not be joined as a Party to any claim made by a Subcontractor. Nothing herein shall create the right by any Party to assert claims against another Party not germane to the Agreement or not recognized under the substantive law applicable to the dispute. Neither the Neutral Evaluator nor the Arbitration Panel is authorized to join to the proceeding Parties not in privity with the District. The Contractor cannot be joined to any pending arbitration proceeding, without the Contractor's express written consent, unless the Contractor is given the opportunity to participate in the selection of the non-District appointed arbitrator.

K. Appeal. Any party may appeal (1) errors of law by the Arbitration Panel if, but only if, the errors arise in an award in excess of \$100,000, (2) the exercise by the chairman or Arbitration Panel of any powers contrary to or inconsistent with this Agreement or (3) on the basis of any of the grounds provided in ARIZ. REV. STAT. § 12-3023(A). Appeals shall be to the Pima County Superior Court within 15 Days of entry of the award. The standard of review in such cases shall be that applicable to the consideration of a motion for judgment notwithstanding the verdict, and the Pima County Superior Court shall have the authority to confirm, vacate, modify or remand an award appealed under this Section, but not to conduct a trial, entertain the introduction of new evidence or conduct a hearing *de novo*.

L. Uniform Arbitration Act. Except as otherwise provided herein, binding arbitration pursued under this provision shall be governed by the Uniform Arbitration Act as codified in Arizona in ARIZ. REV. STAT. § 12-3001, *et seq.*

M. Fees and Costs. Each Party shall bear its own fees and costs in connection with any informal hearing before the Neutral Evaluator. All fees and costs associated with any arbitration before the Arbitration Panel, including without limitation the Arbitration Panelists' fees, and the prevailing Party's reasonable attorneys' fees, expert witness fees and costs, will be paid by the non-prevailing Party, except as provided for herein. In no event shall any Arbitrator's hourly fees be awarded in an amount in excess of \$200 per hour and (1) costs shall not include any travel expenses in excess of mileage at the rate paid by the District, not to exceed a one way trip of 150 miles, and (2) all travel expenses, including meals, shall be reimbursed pursuant to the travel policy of the District in effect at the time of the hearing. The determination of prevailing and non-prevailing Parties, and the appropriate allocation of fees and costs, will be included in the award by the Arbitration Panel. Fees for the Neutral Evaluator shall be paid by the District.

N. Confidentiality. Any proceeding initiated under ADR shall be deemed confidential to the maximum extent allowed by Arizona law and no Party shall, except for disclosures to a Party's attorneys or accountants, make any disclosure related to the disputed matter or to the outcome of any proceeding except to the extent required by law, or to seek

interim equitable relief, or to enforce an agreement reached by the Parties or an award made hereunder.

O. Equitable Litigation. Notwithstanding any other provision of ADR to the contrary, any Party can petition the Pima County Superior Court for interim equitable relief as necessary to preserve the status quo and prevent immediate and irreparable harm to a Party or to the Project pending resolution of a dispute pursuant to ADR provided herein. No court may order any permanent injunctive relief except as may be necessary to enforce an order entered by the Arbitration Panel. The fees and costs incurred in connection with any such equitable proceeding shall be determined and assessed in ADR.

P. Change Order. Any award in favor of the Contractor against the District or in favor of the District against the Contractor shall be reduced to a Change Order amendment to this Agreement and executed by the Parties in accordance with the award and the provisions of this Agreement.

Q. Merger and Bar. Any claim asserted pursuant to this ADR process shall be deemed to include all claims, demands, and requests for compensation for costs and losses or other relief, including the extension of the Agreement performance period which reasonably should have or could have been brought against any Party that was or could have been brought into this ADR process, with respect to the subject claim. The Arbitration Panel shall apply legal principles commonly known as merger and bar to deny any claim or claims against any Party regarding which claim or claims recovery has been sought or should have been sought in a previously adjudicated claim for an alleged cost, loss, breach, error, or omission.

R. Inclusion in Other Contracts. The Contractor shall cooperate with the District in efforts to include this ADR provision in all other Project subcontracts. The Contractor agrees that any modification to this ADR provision that is included in the construction or other subcontracts shall also apply to the Contractor. It is the intent of the Parties that any changes to this ADR provision in later contracts will be evolutionary and designed to incorporate the terms of this ADR provision without material changes to the substance or procedure of this ADR provision.

ARTICLE 14 ADDITIONAL PROVISIONS

14.1 Confidentiality. The Contractor shall not disclose or permit the disclosure of any confidential information except to its agents, employees and Subcontractors who need such confidential information in order to properly perform their duties relative to this Agreement.

14.2 Limitation and Assignment. The District and the Contractor each bind themselves, their successors, assigns and legal representatives to the terms of this Agreement. Neither the District nor the Contractor shall assign or transfer its interest in this Agreement without the written consent of the other, except that the Contractor may assign accounts receivable to a commercial bank for securing loans without approval of the District. Nothing contained in this Section shall prevent the Contractor from employing such consultants,

associates or Subcontractors as the Contractor may deem appropriate to assist in performance of the Services hereunder.

14.3 Entire Agreement. This Agreement represents the entire and integrated agreement between the District and the Contractor and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both the District and the Contractor. Nothing contained in this Agreement is intended to benefit any third party. Subcontractors, if any, and the Project Designers are not intended third-party beneficiaries of this Agreement.

14.4 Severability. If any provision of this Agreement is held as a matter of law to be unenforceable by a court of competent jurisdiction, the remainder of this Agreement shall be enforceable without such provision.

14.5 Meaning of Terms. References made in the singular shall include the plural and the masculine shall include the feminine or neuter.

14.6 Notices and Requests. Any notice or other communication required or permitted to be given under this Agreement shall be in writing and shall be deemed to have been duly given if (A) delivered to the Party at the address set forth below, (B) deposited in the U.S. Mail, registered or certified, return receipt requested, to the address set forth below, (C) given to a recognized and reputable overnight delivery service, to the address set forth below, or (D) sent by e-mail transmission to the e-mail address(es) set forth below, with Delivery Receipt and Read Receipt requested:

If to the District:	Rio Nuevo Multipurpose Facilities District 400 West Congress, Suite 152 Tucson, Arizona 85701 Attn: District Chairman fjmccusker@gmail.com
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With copy to:	Gust Rosenfeld P.L.C. One South Church Avenue, Suite 1900 Tucson, Arizona 85701 Attn: Mark Collins mcollins@gustlaw.com
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If to Contractor:	Lloyd Construction Company, Inc. 2180 N Wilmot Road Tucson, Arizona 85712 Attn: Brad Lloyd brad@lloydconstruction.com
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or at such other address, and to the attention of such other person or officer, as any Party may designate in writing by notice duly given pursuant to this Section. Notices shall be deemed received (A) when delivered to the Party, (B) three business days after being placed in the U.S.

Mail, properly addressed, with sufficient postage,(C) the following business day after being given to a recognized overnight delivery service, with the person giving the notice paying all required charges and instructing the delivery service to deliver on the following business day, or (D) upon the sender's receipt of delivery confirmation from the sender's e-mail service provider. If a copy of a notice is also given to a Party's counsel or other recipient, the provisions above governing the date on which a notice is deemed to have been received by a Party shall mean and refer to the date on which the Party, and not its counsel or other recipient to which a copy of the notice may be sent, is deemed to have received the notice.

14.7 Governing Law. This Agreement shall be governed by the laws of the State of Arizona and venue shall be in Pima County.

14.8 No Waiver of Performance. The failure of either Party to insist, in any one or more instances, on the performance of any of the terms, covenants or conditions of this Agreement, or to exercise any of its rights, shall not be construed as a waiver or relinquishment of such term, covenant, condition right with respect to further performance.

14.9 Headings. The headings given to any of the provisions of this Agreement are for ease of reference only and shall not be relied upon or cited for any other purpose.

14.10 Asbestos Free Materials. The Project is to be constructed by the Contractor with asbestos free materials. A written, notarized statement on company letterhead shall be submitted to the District by the Contractor with the final payment request certifying that the Contractor has incorporated no asbestos material into the Project. Final payment shall be withheld until such statement is submitted. The Contractor shall agree that if materials containing asbestos are subsequently discovered at any future time to have been included in the construction done by the Contractor or any of its Subcontractors or agents and were not specified in the design or required by the Contract Documents, the Contractor shall be liable for all costs related to the abatement of such asbestos and damages or claims against the District notwithstanding any statute of limitations or other legal bar to any claim by the District.

14.11 Cancellation. This Agreement may be cancelled by the District pursuant to ARIZ. REV. STAT. § 38-511.

14.12 Survival of Representations and Warranties. Notwithstanding any other provision of this Agreement, the representations, warranties and covenants herein shall survive termination of this Agreement.

14.13 Endangered Hardwoods Prohibited. Contractor shall ensure that products containing endangered wood species shall not be utilized in the construction of the Project unless exempted pursuant to ARIZ. REV. STAT. § 34-201(J), as amended.

14.14 Records and Audit Rights. Contractor's and its Subcontractor's books, records, correspondence, accounting procedures and practices, and any other supporting evidence relating to this Agreement, including the papers of any Contractor and its Subcontractors' employees who perform any work or Services pursuant to this Agreement to ensure that the Contractor and its Subcontractors are complying with the warranty under Subsection 14.15 below (all the

foregoing hereinafter referred to as “Records”), shall be open to inspection and subject to audit and/or reproduction during normal working hours by the District, to the extent necessary to adequately permit (A) evaluation and verification of any invoices, payments or claims based on Contractor’s and its Subcontractors’ actual costs (including direct and indirect costs and overhead allocations) incurred, or units expended directly in the performance of work under this Agreement and (B) evaluation of the Contractor’s and its Subcontractors’ compliance with the Arizona employer sanctions laws referenced in Subsection 14.15 below. To the extent necessary for the District to audit Records as set forth in this Subsection, Contractor and its Subcontractors hereby waive any rights to keep such Records confidential. For the purpose of evaluating or verifying such actual or claimed costs or units expended, the District shall have access to said Records, even if located at its Subcontractors’ facilities, from the effective date of this Agreement for the duration of the work and until three years after the date of final payment by the District to Contractor pursuant to this Agreement. Contractor and its Subcontractors shall provide the District with adequate and appropriate workspace so that the District can conduct audits in compliance with the provisions of this Subsection. The District shall give Contractor or its Subcontractors reasonable advance notice of intended audits. Contractor shall require its Subcontractors to comply with the provisions of this Subsection by insertion of the requirements hereof in any subcontract pursuant to this Agreement.

14.15 E-verify Requirements. To the extent applicable under ARIZ. REV. STAT. § 41-4401, the Contractor and its Subcontractors warrant compliance with all federal immigration laws and regulations that relate to their employees and compliance with the E-verify requirements under ARIZ. REV. STAT. § 23-214(A). Contractor’s or its Subcontractor’s failure to comply with such warranty shall be deemed a material breach of this Agreement and may result in the termination of this Agreement by the District.

14.16 Israel. Consultant certifies that it is not currently engaged in, and agrees for the duration of this Agreement that it will not engage in, a boycott of Israel, as that term is defined in ARIZ. REV. STAT. § 35-393.

14.17 Independent Contractor. The Contractor is and will be an independent contractor and whatever measure of control the District exercises over the work or deliverable pursuant to the Contract will be as to the results of the work only. No provision in this Agreement will give or be construed to give the District the right to direct the Contractor as to the details of accomplishing the work or deliverable. These results will comply with all applicable laws and ordinances.

14.18 Agreement Subject to Appropriation. The District is obligated only to pay its obligations set forth in this Agreement as may lawfully be made from funds appropriated and budgeted for that purpose during the District’s then-current fiscal year. The District’s obligations under this Agreement are current expenses subject to the “budget law” and the unfettered legislative discretion of the District concerning budgeted purposes and appropriation of funds. Should the District Council elect not to appropriate and budget funds to pay its Agreement obligations, this Agreement shall be deemed terminated at the end of the then-current fiscal year term for which such funds were appropriated and budgeted for such purpose and the District shall be relieved of any subsequent obligation under this Agreement. The Parties agree that the District has no obligation or duty of good faith to budget or appropriate the payment of

the District's obligations set forth in this Agreement in any budget in any fiscal year other than the fiscal year in which this Agreement is executed and delivered. The District Council shall be the sole judge and authority in determining the availability of funds for its obligations under this Agreement. The District shall keep Contractor informed as to the availability of funds for this Agreement. The obligation of the District to make any payment pursuant to this Agreement is not a general obligation or indebtedness of the District. Contractor hereby waives any and all rights to bring any claim against the District from or relating in any way to the District's termination of this Agreement pursuant to this Section.

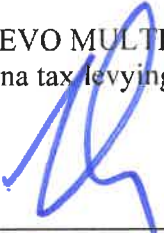
14.19 Fair Interpretation. All Parties have been represented by counsel, or have had the opportunity to be represented by counsel, in the negotiation and drafting of this Agreement. This Agreement will be construed according to the fair meaning of its language. The rule of construction that ambiguities will be resolved against the Party who drafted a provision will not be employed in interpreting this Agreement.

[SIGNATURES ON FOLLOWING PAGES]

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the date first set forth above.


"District"

RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT,
an Arizona tax levying public improvement district



Fletcher McCusker, Chairman

ATTEST:

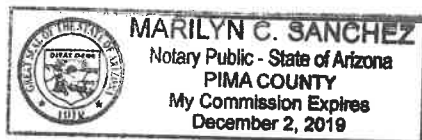


Mark Irvin, Secretary

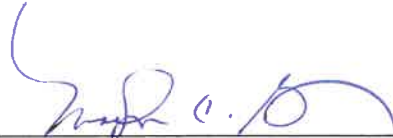
(ACKNOWLEDGMENT)

STATE OF ARIZONA)
) ss.
COUNTY OF PIMA)

On February 28, 2019, before me personally appeared Fletcher McCusker, the Chairman of Rio Nuevo Multipurpose Facilities District, an Arizona tax levying public improvement district, whose identity was proven to me on the basis of satisfactory evidence to be the person who she claims to be, and acknowledged that she signed the above document, on behalf of the District.



(Affix notary seal here)

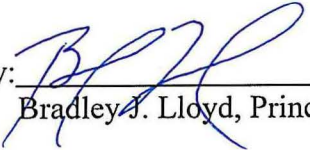


Notary Public

[SIGNATURES CONTINUE ON FOLLOWING PAGE]

“Contractor”

LLOYD CONSTRUCTION COMPANY, INC.,
an Arizona corporation

By: 
Bradley J. Lloyd, Principal in Charge

(ACKNOWLEDGMENT)

STATE OF Arizona)
) ss.
COUNTY OF Pima)

On February 13, 2019, before me personally appeared Bradley J. Lloyd, the Principal in Charge of Lloyd Construction Company, Inc., an Arizona corporation, whose identity was proven to me on the basis of satisfactory evidence to be the person who he/she claims to be, and acknowledged that he/she signed the above document on behalf of the Lloyd Construction Company, Inc.




Notary Public

(Affix notary seal here)

EXHIBIT A
TO
DESIGN - BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY

[Construction Documents]

See following pages.

EXHIBIT B
TO
DESIGN - BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY

[Amendments]

See following pages.

EXHIBIT C
TO
DESIGN - BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY

[GMP Proposals]

See following pages.

EXHIBIT D
TO
DESIGN - BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY

[Master Schedule]

See following pages.

EXHIBIT E
TO
DESIGN - BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY

[The District's RFQ without Exhibit B]

See following pages.



REQUEST FOR STATEMENTS OF QUALIFICATIONS

Rio Nuevo Multipurpose Facilities District
400 West Congress, Suite 152
Tucson, Arizona 85701

SOLICITATION INFORMATION AND SELECTION SCHEDULE

District Solicitation Number:	RN TCC 2018-12-19
District Solicitation Title:	Tucson Convention Center Ice Rink Refrigeration System Renovation Design-Build
Release Date:	December 20, 2018
NON-MANDATORY Pre-Submittal Conference:	January 3, 2019 10:00 a.m. Tucson Convention Center Apache/Cochise Meeting Rooms 260 South Church Avenue Tucson, Arizona 85701
Final Date for Inquiries:	January 8, 2019
SOQ Due Date and Time:	January 15, 2019 4:00 p.m. (local time, Tucson, Arizona)
Letters to Final Listed Firms:	January 18, 2019
Oral Interviews:	Week of January 21, 2019
Anticipated Agreement Start Date:	January 28, 2019
Procurement Administrator:	Brandi Haga-Blackman brandihb@rionuevo-tucson.org 520-623-7336

* The District reserves the right to amend the solicitation schedule as necessary.

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PART I. RFQ PROCESS; AWARD OF AGREEMENT

1.1 Purpose; Scope of Work. The Rio Nuevo Multipurpose Facilities District (the “District”) is issuing this Request For Qualifications (this “RFQ”) seeking statements of qualifications (“SOQ”) from qualified, licensed firms (“Vendors”) interested in providing professional design-build services for the Tucson Convention Center (the “Facility”) ice rink refrigeration system renovation (hereinafter referred to as the “Services” or the “Project”), as more particularly described in the Scope of Work attached hereto as Exhibit A and incorporated herein by reference. This will be a one-step, qualifications-based process as authorized by ARIZ. REV. STAT. § 34-601 *et. seq.* A separate Request for Proposal will not be issued. In accordance with the District’s Procurement Code, the District will accept sealed SOQ for the Services specified in the Scope of Work.

1.2 Preparation/Submission of SOQ. Vendors are invited to participate in the competitive selection process for the Services outlined in this RFQ. Responding parties shall review their SOQ submissions to ensure the following requirements are met.

A. Irregular or Non-responsive SOQ. The District may consider as “irregular” or “non-responsive” and reject any SOQ not prepared and submitted in accordance with this RFQ, or any SOQ lacking sufficient information to enable the District to make a reasonable determination of compliance to the minimum qualifications. Unauthorized conditions, limitations, or provisions may be cause for rejection. An SOQ may be deemed non-responsive at any time during the evaluation process if, in the sole opinion of the District, any of the following are true:

(1) Vendor does not meet the minimum required skill, experience or requirements to perform or provide the Services.

(2) Vendor has a past record of failing to fully perform or fulfill contractual obligations.

(3) Vendor cannot demonstrate financial stability.

(4) Vendor’s SOQ contains false, inaccurate or misleading statements that, in the opinion of the District Manager or authorized designee, are intended to mislead the District in its evaluation of the SOQ.

B. Submittal Quantities. Interested Vendors must submit **one original and four copies (nine total submittals)** of the SOQ. In addition, interested parties must submit **one PDF copy** of the Proposal on a CD-ROM or similar electronic storage device. Failure to adhere to the submittal quantity criteria shall result in the SOQ being considered non-responsive.

C. Required Submittal. The SOQ shall be a maximum of **12** pages to address the SOQ criteria (excluding cover letter, resumes and the Vendor Information Form, but including the materials necessary to address Project understanding, general information, organizational chart, photos, tables, graphs, and diagrams). Each page side (maximum 8 1/2” x 11”) with criteria information shall be counted. However, one page may be substituted with an 11” x 17” sheet of

paper, folded to 8 1/2" x 11", showing a proposed Project schedule or organizational chart and only having information on one side. Cover, back, table of contents and tabs may be used and shall not be included in the page count, unless they include additional project-specific information or SOQ criteria responses. The minimum allowable font for the SOQ is **11 pt, Arial or Times New Roman**. Failure to adhere to the page limit, size and font criteria and shall result in the SOQ being determined non-responsive. Each SOQ shall be submitted with the documents necessary to meet all of the requirements of this solicitation, including the information required in Part II and the following:

- (1) Cover letter with an **original ink signature** by a person authorized to bind the Vendor. Proposals submitted without a cover letter with an **original ink signature** by a person authorized to bind the Vendor shall be considered non-responsive.
- (2) Vendor Information Form, with **original ink signature**.
- (3) References.
- (4) Project Schedule.
- (5) Resumes, Licenses and Certifications (if required).
- (6) Acknowledgment page, with an **original ink signature**, for any Addendum received.

D. Vendor Responsibilities. All Vendors shall (1) examine the entire RFQ, (2) seek clarification of any item or requirement that may not be clear, (3) check all responses for accuracy before submitting an SOQ and (4) submit the entire SOQ by the official SOQ Due Date and Time. A late SOQ will not be accepted. A Vendor submitting a late SOQ shall be so notified. Negligence in preparing an SOQ shall not be good cause for withdrawal after the SOQ Due Date and Time.

E. Sealed Submittals. All SOQ shall be sealed and clearly marked with the SOQ number and title, **(RN TCC 2018-12-19) Tucson Convention Center Ice Rink Refrigeration System Renovation Design-Build**, on the lower left hand corner of the mailing envelope. A return address must also appear on the outside of the sealed SOQ. The District is not responsible for the pre-opening of, post-opening of, or the failure to open, any SOQ not properly addressed or identified.

F. Address. All SOQ shall be directed to the following address: Rio Nuevo Multipurpose Facilities District, 400 West Congress, Suite 152, Tucson, Arizona 85701. Proposals must be received in the District Clerk's office by the SOQ Due Date and Time indicated on the cover page of this RFQ. Telegraphic (facsimile), electronic (e-mail) or mailgram SOQ will not be considered.

G. Amendment/Withdrawal of SOQ. At any time prior to the specified SOQ Due Date and Time, a Vendor (or designated representative) may amend or withdraw its SOQ.

Any erasures, interlineations, or other modifications in the SOQ shall be initialed in **original ink** by the authorized person signing the SOQ. Facsimile, electronic (e-mail) or mailgram SOQ amendments or withdrawals will not be considered. No SOQ shall be altered, amended or withdrawn after the specified SOQ Due Date and Time.

1.3 Cost of SOQ Preparation. The District does not reimburse the cost of developing, presenting or providing any response to this solicitation. An SOQ submitted for consideration should be prepared simply and economically, providing adequate information in a straightforward and concise manner. The Vendor is responsible for all costs incurred in responding to this RFQ. All materials and documents submitted in response to this RFQ become the property of the District and will not be returned.

1.4 Inquiries.

A. Written/Verbal Inquiries. Any question related to the RFQ, including any part of the Scope of Work, shall be directed only to the RFP Administrator whose name appears on the cover page of this RFQ. Questions shall be submitted in writing, via e-mail or hard copy by the date indicated on the cover page of this RFQ. Any inquiries related to this RFQ shall refer to the number and title, page and paragraph. However, the Respondent should not place the RFQ number and title on the outside of any envelope containing questions, because such an envelope may be identified as a Submittal and may not be opened until after the RFQ Deadline. Any Vendor found to be communicating with any member of District staff about this solicitation shall be prohibited from submitting a SOQ, or if a SOQ is received, such SOQ shall be deemed non-responsive.

B. Inquiries Answered. All inquiries must be directed to the RFQ Administrator. Verbal or telephone inquiries **will not be answered** and Vendors attempting to do so will be directed to submit written inquiries. Verbal or telephone inquiries directed to District staff **will not be answered**. Within two business days following the Final Date for Inquiries listed on the cover page of this RFQ, the RFQ Administrator shall provide a compilation of all questions received in writing with official answers that will be mailed, sent via facsimile and/or e-mailed to all parties who obtained an RFQ package from the District and who legibly provided a mailing address, facsimile and/or e-mail address to the District. No questions, submitted in any form, will be answered after the Final Date for Inquiries.

C. Pre-Submittal Conference. A Pre-Submittal Conference may be held. If scheduled, the date and time of this conference will be indicated on the cover page of this RFQ. If the Pre-Submittal Conference is designated as mandatory, failure to attend shall render that Vendor's SOQ non-responsive. Vendors are strongly encouraged to attend the Pre-Submittal Conference, even if designated as non-mandatory. The purpose of this conference will be to clarify the contents of this RFQ in order to prevent any misunderstanding of the District's requirements. Any doubt as to the requirements of this RFQ or any apparent omission or discrepancy should be presented to the District at this conference. The District may issue a written amendment or addendum to this RFQ. Oral statements or instructions are provided for informational purposes only and do not become a part of this RFQ. Any change to the RFQ shall be made in the form of an addendum.

1.5 Addenda. Any addendum issued as a result of any change in this RFQ shall become part of the RFQ and must be acknowledged in the SOQ submittal. Failure to indicate receipt of any addendum may result in the SOQ being rejected as non-responsive. It shall be the Vendor's responsibility to check for addenda issued to this RFQ. Any addendum issued by the District with respect to this RFQ will be available at:

Rio Nuevo Multipurpose Facilities District
400 West Congress, Suite 152
Tucson, Arizona 85701
Rio Nuevo website at: www.rionuevo.org

1.6 Public Record. All SOQ shall become the property of the District and shall become a matter of public record available for review, subsequent to the award notification, in accordance with the District's Procurement Code.

1.7 Confidential Information. If a Vendor believes that an SOQ or protest contains information that should be withheld from the public record, a statement advising the District Representative of this fact shall accompany the submission and the information shall be clearly identified. The information identified by the Vendor as confidential shall not be disclosed until the District Representative makes a written determination. The District Representative shall review the statement and information with the District Attorney and shall determine in writing whether the information shall be withheld. If the District Attorney determines that it is proper to disclose the information, the District Representative shall inform the Vendor in writing of such determination.

1.8 Vendor Licensing and Registration. Prior to the award of the Agreement, the successful Vendor shall be registered with the Arizona Corporation Commission and authorized to do business in Arizona. The Vendor shall provide licensure information with the SOQ. Corporations and limited liability entities must be able to provide a Certificate of Good Standing from the Arizona Corporation Commission.

1.9 Certification. By submitting an SOQ, the Vendor certifies:

A. No Collusion. The submission of the SOQ did not involve collusion or other anti-competitive practices.

B. No Discrimination. It shall not discriminate against any employee or applicant for employment in violation of Federal Executive Order 11246.

C. No Gratuity. It has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip favor or service to a District employee, officer or agent in connection with the submitted SOQ. It (including the Vendor's employees, representatives, agents, lobbyists, attorneys, and subcontractors) has refrained, under penalty of disqualification, from direct or indirect contact for the purpose of influencing the selection or creating bias in the selection process with any person who may play a part in the selection process, including the Selection Committee, elected officials,

the District Manager, Assistant District Managers, Department Heads, and other District staff, unless such person is designated as a District Representative. All contact must be addressed to the District's Procurement Agent, except for questions submitted as set forth in Section 1.4 (Inquiries) above. Any attempt to influence the selection process by any means shall void the submitted SOQ and any resulting Agreement.

D. Financial Stability. It is financially stable, solvent and has adequate cash reserves to meet all financial obligations including any potential costs resulting from an award of the Agreement.

E. No Signature/False or Misleading Statement. The signature on the cover letter of the SOQ and the Vendor Information Form is genuine, and the person signing has the authority to bind the Vendor. Failure to sign the cover letter and the Vendor Information Form, or signing either with a false or misleading statement, shall void the submitted SOQ and any resulting Agreement.

F. Design - Build Agreement. In addition to reviewing and understanding the submittal requirements, it has reviewed the attached sample Design - Build Agreement and agrees to be bound by its terms.

1.10 Award of Agreement.

A. Evaluation; Selection. A Selection Committee composed of representatives from the District will conduct the selection process according to the schedule on the cover page of this RFQ. The Selection Committee will create a final ranking of the Vendors based upon its evaluation of (1) the SOQ, (2) information provided by references and (3) criteria outlined in this RFQ. The Selection Committee may select up to three finalists that will be invited for oral interviews with the Selection Committee. The District will conduct the oral interviews with the selected Vendors and upon completion of the final tabulation of points for scored components, will create a final list, in order of preference, of the three most qualified Vendors. The RFQ Administrator will enter into negotiations with the highest scoring Vendor from the final list.

B. Form of Agreement. The selected Vendor will be required to execute the District's standard Design - Build Agreement in a form acceptable to the District Attorney. A sample of the Design - Build Agreement is included with this RFQ. The District reserves the right to terminate the selection process at any time.

C. Waiver; Rejection; Reissuance. Notwithstanding any other provision of this RFQ, the District expressly reserves the right to: (1) waive any immaterial defect or informality, (2) reject any or all SOQ or portions thereof and (3) cancel or reissue an RFQ.

D. Protests. Any Vendor may protest this RFQ, the proposed award of an Agreement, or the actual award of an Agreement. All protests will be considered in accordance with the District Procurement Code.

1.11 Offer. An SOQ submittal is an offer to contract with the District based upon the terms, conditions and specifications contained in this RFQ, including the sample Design - Build Agreement, and the Vendor's responsive SOQ, unless any of the terms, conditions, or specifications are modified by a written addendum or agreement amendment. Provided, however, that no contractual relationship shall be established until the Vendor has signed, and the District has approved, a Design - Build Agreement between the District and the Vendor in the form acceptable to the District Attorney.

PART II. STATEMENT OF QUALIFICATIONS FORMAT; SCORING

2.1 Evaluation Process. Each submittal will be reviewed for compliance with the submittal requirements and scored by the Selection Committee.

2.2 Proposal Format and Scoring. The SOQ shall be organized and submitted in the format as outlined below. Failure to conform to the designated format, standards and minimum requirements shall result in a determination that the SOQ is non-responsive. Additionally, the Selection Committee will evaluate and award points to each SOQ based upon the evaluation criteria as outlined in this document. Points listed below are the maximum number of points possible for each criteria.

A. General Information - 5 pts.

(1) One-page cover letter as described in Subsection 1.2(C) (Required Submittal).

(2) Provide Vendor identification information. Explain the Vendor's legal organization including the legal name, address, identification number and legal form of the Vendor (e.g., partnership, corporation, joint venture, limited liability company, sole proprietorship). If a joint venture, identify the members of the joint venture and provide all of the information required under this section for each member. If a limited liability company, provide the name of the member or members authorized to act on the company's behalf. If the Vendor is a wholly owned subsidiary of another company, identify the parent company. If the corporation is a nonprofit corporation, provide nonprofit documentation. Provide the name, address and telephone number of the person to contact concerning the SOQ.

(3) Identify the location of the Vendor's principal office and the local work office, if different from the principal office, and the percent of work expected to be done locally. Include any documentation that supports the Vendor's authority to provide services in Arizona.

(4) Provide a general description of the Vendor that is proposing to provide the Services, including years in business.

(5) Identify any contract or subcontract held by the Vendor or officers of the Vendor that has been terminated within the last five years. Briefly describe the circumstances and the outcome.

(6) Identify any claims arising from a contract that resulted in litigation or arbitration within the last five years. Briefly describe the circumstances and the outcome.

(7) Provide the Arizona professional and contractor license numbers held by the Vendor and the key personnel who will be assigned to this Project; please indicate if the individual or the firm holds the license.

(8) Vendor Information Form, with an **original ink signature** (may be attached as separate appendix).

(9) Vendors selected as finalists for this Project will be required to provide a statement from a surety company licensed to do business in Arizona with an A.M. Best rating of not less than A- to verify the Vendor's bonding capacity.

B. Experience and Qualifications of the Vendor - 30 pts.

(1) List at least five comparable design-build projects completed. For each project, provide:

- (a) Project description. Include details about how your project is similar to the one described in this RFQ.
- (b) A description of the roles of each of the team members.
- (c) The project's original contracted construction cost and final construction cost.
- (d) The project's original completion date and final completion date.
- (e) The project's owner.
- (f) Project references, including telephone number and email address.

These references will be checked, and it is Vendor's responsibility to ensure that all information is accurate and current. Vendor authorizes the RFQ Administrator to verify all information from these references and releases all those concerned from any liability in connection with the information they provide. Inability of the District to verify references may result in the SOQ being considered non-responsive.

(2) List all Arizona projects, whether completed, ongoing, or selected, but not yet under contract, where the Vendor/team provided either builder in a design-build project, construction manager at risk or general construction services in the last three years.

(3) Describe the Vendor's experience in the construction of ice rink refrigeration systems.

(4) The District's representative may conduct any investigation deemed necessary to determine the Vendor's ability to perform the Project. Vendors may be requested to submit additional documentation within 72 hours (or as specified) to assist the District in its evaluation.

C. Key Positions - 20 pts.

(1) Provide an organizational chart showing key personnel to be involved in this Project and Vendor affiliation. At a minimum, identify the following:

- (a) Project designers.
- (b) Manager for preconstruction services.
- (c) Project Manager during construction.
- (d) Construction Engineer.
- (e) Superintendent.
- (f) Other key personnel as desired.

(2) Identify the home office location of key personnel, length of time with the firm and the percent of work to be done locally.

(3) If a subcontractor will be used for all work of a certain type, include information on this subcontractor. A detailed plan for providing supervision must be included.

(4) Attach a résumé and evidence of certification, if any, for each key personnel member and/or subcontractor to be involved in this Project, including experience in design-build projects. At a minimum, the listed projects should include two comparable projects, the project name, project owner, location, key person's role, reference information and brief description of the work. Résumés should be attached together as a single appendix at the end of the SOQ and will not count toward the SOQ page limit. However, each resume shall not exceed two pages in length.

D. Project Understanding and Approach - 25 pts.

(1) Discuss your understanding of this Project. Include major issues your firm/team has identified and how you intend to address those issues.

(2) Describe your approach to performing the required Services in the Scope of Work in Exhibit A, including the following processes:

- (a) Designing.
- (b) Planning.
- (c) Estimating.
- (d) Scheduling.
- (e) Cost controls.
- (f) Project management and team organization during design and construction phase services.
- (g) Bid package management.
- (h) Management of overhead costs.
- (i) Managing subcontractors.
- (j) Quality control.
- (k) Safety.
- (l) Dispute resolution.

(3) Include diagram(s)/drawing(s) of how you envision the final Project will look. (This will not count toward the SOQ page limit.)

(4) Include a list of all of the major items of equipment including, but not limited to, the refrigeration equipment. (This will not count toward the SOQ page limit.)

(5) Submit a subcontractor selection plan that meets ARIZ. REV. STAT. § 34-601 *et seq.* requirements. Discuss the benefits that your selection provides to the Project.

E. Project Schedule - 20 pts.

Provide a project schedule showing key project milestones and deliverables. The schedule shall demonstrate Vendor's ability to meet the designated milestones as listed below. Assumptions used in developing the schedule shall be identified and at a minimum the proposed schedule shall include the following dates:

- (1) Contract Award & Notice to Proceed Date: January 28, 2019
- (2) Proposed Kick-Off Meeting: January 29, 2019
- (3) Begin Work on Ice Chiller: June 14, 2019
- (4) Begin Work on Ice Floor: June 24, 2019
- (5) Substantial Completion Date: September 1, 2019*
- (6) Final Completion Date: September 16, 2019.

* This is the date that the District has the full beneficial use of all aspects of the Project and the process of commissioning the ice system has commenced.

Total Possible Points for SOQ Submittal: 100

PART III. ORAL INTERVIEWS; SCORING

Three Vendors may be selected for oral interviews. The selected Vendors will be invited to participate in discussions with the Selection Committee on the date indicated on the cover page of this RFQ and awarded points based upon the criteria as outlined below. Vendors may be given additional information for these oral interviews.

Oral Interview

20	Experience and Qualifications of the Vendor
40	Key Positions
<u>40</u>	Project Approach
100	Total Possible Points for Oral Interview

Total Points Possible for this RFQ: 200

PART IV. VENDOR INFORMATION FORM

By submitting your Statement of Qualifications, the submitting Vendor certifies that it has reviewed the administrative information and draft of the Design - Build Agreement's terms and conditions and, if awarded the Agreement, agrees to be bound thereto.

VENDOR SUBMITTING SOQ

FEDERAL TAX ID NUMBER

PRINTED NAME AND TITLE

AUTHORIZED SIGNATURE

ADDRESS

TELEPHONE

FAX #

CITY STATE ZIP

DATE

WEB SITE: _____

EMAIL ADDRESS: _____

MINORITY/WOMEN-OWNED SMALL BUSINESSES (check appropriate item):

- _____ Disadvantaged Business Enterprise (DBE)
_____ Women-Owned Business Enterprise (WBE)
_____ Minority Business Enterprise (MBE)
_____ Small Business Enterprise (SBE)

Has your firm been certified by any jurisdiction in Arizona as a minority or woman owned business enterprise?

If yes, please provide details and documentation of the certification.

EXHIBIT A
TO
REQUEST FOR STATEMENTS OF QUALIFICATIONS
FOR
TUCSON CONVENTION CENTER
ICE RINK REFRIGERATION SYSTEM RENOVATION DESIGN/BUILD

[Scope of Work]

See following pages.

Scope of Work

Tucson Convention Center Ice Rink Refrigeration System Renovation

Contractor shall prepare all designs, drawings and schedules to perform the construction necessary to accomplish all of the following requirements within the Project Schedule set forth in this RFQ:

1. Phase I – Demolition. These areas of demolition and construction are to be provided in advance of having access to the rink floor.
 - 1.1 Reclaim and dispose of the existing R22 primary refrigerant charge. Documentation that the charge has been properly removed shall be provided.
 - 1.2 Remove and properly dispose of the existing calcium chloride charge in the system.
 - 1.3 Remove and dispose of the existing refrigeration system including, but not limited to the following: The R22 chiller, surge drum, three screw compressors, the high-pressure receiver, the shell and tube water cooled condenser, the suction accumulator, the brine pumps, the water-cooled condenser pumps and all associated piping. The only unit remaining is the newer ice bond breaker flat plate heat exchanger. Piping to and from this unit can remain as desired.
 - 1.4 Electrical power wiring. Remove and store existing 1200 main feed to the existing motor control center. Remove and dispose of the existing motor control center and all power feeds from this unit with the equipment. Remove all unused conduits from the room with the wiring removal.
 - 1.5 Remove all control wiring and controls on the walls and conduits as required so no existing controls or conduits remain. Existing leak detection system to be removed also.
 - 1.6 Remove, if required, any of the existing isolated housekeeping pads under the equipment. It is the hope that these pads can be reused in the new system; however, if they cannot, a plan for removal and any additional pads should be submitted for review.
 - 1.7 Cut and remove all brine piping running from the mechanical room through the loading dock area and adjacent to the entry overhead door where the piping goes underground to the rink floor.
 - 1.8 Cut and remove the concrete slabs over the piping running underground from adjacent to the entry overhead door to the rink.
 - 1.9 Excavate and remove the piping that runs underground in item 1.8. The existing drawings show the piping at approximately 2'-10" below the finish floor.

- 1.10 All costs for disposal are the responsibility of the Vendor and evidence of proper disposal is required.

2. Phase II – Mechanical Room Installation.

- 2.1 Supply and install a new ammonia/brine refrigeration system utilizing the following:
- A. Supply and install three each ammonia operating compressors with capacities that are at a minimum of what is installed currently. Current compressors are 69 tons each at 1-degree evaporating and 95-degree condensing temperature. Supply and install pressure gauges and thermometers to allow visual monitoring of compressors, as well as listed below in the control system.
 - B. Supply and install a single flooded ammonia to calcium chloride chiller of matching capacity and flow as the existing system, or the capacity of the system provided. Chiller to have surge drum and multiple connections to each compressor suction inlet. Chiller to have a minimum of two sight glasses for chiller level indication. The inlet from high pressure receiver to be always regulated by a Hansen Vari-Level column and probe connected to the Hansen MCV type modulating valve controlled by a PXVC controller to maintain the desired level of ammonia in the chiller. Supply and install pressure gauges and thermometers on the inlet and outlet sides of the chiller brine piping to allow visual monitoring of chiller, as well as what is listed below in the control system. All ammonia piping to be seamless piping. Any piping smaller than 2" shall be schedule 80 seamless. All threaded fittings to be 3000# fittings.
 - C. Supply and install a single shell and tube water cooled condenser to meet the design and capacity of the new ice system. Pipe from each compressor discharge to the inlet of the condenser. Condenser pressure to be set by the operator and modulate the flow through the condenser to maintain a constant head pressure under all conditions. Supply and install pressure gauges and thermometers on the inlet and outlet of the water of the condenser, as well as what is listed below in the control system.
 - D. Supply and install a high-pressure receiver. Receiver to be sized for the entire refrigerant ammonia charge during pump down and have capacity for expansion of refrigerant during off season.
 - E. Supply and install two each brine pumps to circulate brine through the chiller and rink floor to maintain flow of brine through the system. It is preferable that the pumps are operated by VFD drives for each, but only one will operate at any time. Each pump is sized for full flow. Supply and install pressure gauges on the inlet and outlet of each brine pump.

- F. Supply and install two each water pumps to circulate water from the main building water feed and circulate through the water-cooled condenser and back to the building water loop. Supply and install pressure gauges for each pump's inlet and outlet.
- G. Provide refrigerant dual relief valves on chiller, high pressure receiver and water-cooled condenser. Provide refrigerant relief valves on all other relief requiring vessels on the package. Relief valves to have rupture discs with activation gauges to notify operator if a high pressure has occurred the system. Relief valves to be sized for specific vessel.
- H. Supply and install relief surge tank in the room. Tank to be sized with enough capacity as called for by amount of refrigerant in the system. Tank to have water level indication and allow all relief valve to be piped to a single relief pipe going to within 1' of the bottom of the tank. A vent pipe is to be installed from the top of the tank to the outside of the room and piped away from door, walkways and building air inlets per code.
- I. Supply and install new motor control center for all supplied equipment and controls. Motor control center to be fed from disconnected 1200 service into the new motor control center and all loads to have disconnects and be distributed from this central electrical point. New motor control center to be mounted in the location that it currently sits in the room. Contractor to verify current wiring will reach new motor control center and provide new wires from main feed if they install the motor control center in a different location. Compressor starters to be soft start type reduced voltage starting. VFD's for brine pumps can be installed on the wall separately or in the motor control center. Motor control center to have 7.5 KW step down transformer, with breaker, to feed an integral control panel that will be used to feed all system controls. Control panel to have enough breakers to feed all system controls.
- J. All brine piping in the mechanical room and piping from the mechanical room and above ground to be steel and sized for the flow of the brine. Provide butterfly isolation valves, suction diffusers and triple duty valves on each pump. Chiller to have butterfly isolation valves on the inlet and outlet. Supply and return brine lines to have isolation valves at 5' above ground for isolating the rink floor if necessary. Supply and install brine fill valves on the supply and return lines for proper filling of the system. Supply and install automatic air vents as appropriate to remove air from the system.
- K. Supply and install an ASME rated expansion tank with sight glass and air control valves on the return brine line from the rink floor outside of the mechanical room, at the highest point of the system. Tank to be a minimum of 200 gallons and insulated with 1" rubber type insulation.

- L. Provide insulation on all cold temperature piping and components of the refrigeration system. Insulation to be covered with a pvc jacket. Pumps and valves can be insulated with 1-1/2" of rubber type insulation in two layers.
- M. Provide painting and labeling of all components and piping when completed.
- N. Provide testing of steel brine piping, pumps and fitting to 80 psi for 24 hours. Provide testing of all ammonia steel piping and components to 230# for at least 48 hours. Provide evacuation of ammonia portion of the system to 500 microns.
- O. Provide system connections as required for the control system outlined below.

2.2 Optional. Install reverse osmosis system to clarify the water.

3. Phase III – Rink Floor Demolition.

- 3.1 The District will remove, and store, the existing dashboards and ice dam that is around the rink.
- 3.2 Upon removal the Vendor shall construct an as-built of the existing ice dam anchors that the Vendor will need to provide and install during the construction phase of the rink floor.
- 3.3 The Vendor shall provide a survey of the existing rink surrounding slab to determine the existing elevation differences of the surrounding concrete slab. It is critical to determine the surround slab elevation to set a bench mark for the construction of the ice piping and ultimately the rink floor concrete. Differences in the ice slab elevation to the surround slab elevations must be blended to the perimeter concrete to allow for multiple use in the arena. Upon review of the surrounding slab, a permanent bench mark elevation shall be established for the construction of the rink floor.
- 3.4 The new rink header system shall be located at the rink centerline and new concrete demolition and excavation is required from the rink edge to the rink center going along under the players boxes. Final rink piping shall come into the side of the rink and tie directly into the new header system. Demolition of the exterior slab shall be run at approximately the same elevation as the original piping run to the rink and rise up to meet the new center header system.
- 3.5 Sawcut, remove and dispose of the existing 6" thick rink floor ice slab. Remove existing header piping in the thickened portion of slab and any required additional piping outside of the rink slab to allow construction of the new ice slab.

- 3.6 Remove 3" and dispose of existing rink insulation located under ice slab. Care must be taken to not damage the existing structural slab located directly below the insulation.
- 3.7 Sawcut and remove a portion of the existing structural slab to allow the construction of the new rink headers across the center of the rink.
- 3.8 Excavate approximately 9" of existing ground under the sawcut across the rink. This excavation will allow for a structural slab to be placed under the rink header.

Phase IV – Rink Floor Construction.

- 4.1 Supply and install insulated HDPE SDR11 supply and return lines from the steel overhead lines to the rink centerline. HDPE lines are to be tested with air to 50 psi for a minimum of 24 hours. Lines are to be tested to the butterfly valves installed where the lines change to steel and go overhead. Insulation shall be a minimum of 2-1/2" thick and have a heavy HDPE outer covering. (.20 mil pvc jacketing is not acceptable.)
- 4.2 Backfill lines with existing soils if acceptable otherwise place sand around lines prior other backfill.
- 4.3 Pour a concrete cover over HDPE lines going to rink edge. Cover thickness to match existing concrete thickness at a minimum.
- 4.4 Pour a concrete structural slab across the rink floor with reinforcing steel bars and threaded anchors. Structural slab shall provide anchoring and leveling for new rink header system going across the rink floor. Anchors in slab to be every 6' across and have a minimum of two anchors with all thread rod extended up from the structural slab. Other anchoring systems can be acceptable if submitted and approved to allow leveling and anchoring of headers going across the rink. Rink concrete will not be poured until a satisfactory system that both levels headers and anchors them during the concrete pour. Header elevations must be taken every 6' across and verify level prior rink pour.
- 4.5 Supply and install 3" of 25 psi rink insulation throughout the ice rink floor and down the sides of the rink header trench, for a completely insulated underfloor below the rink system concrete.
- 4.6 Supply and install additional insulation under the excavated header trench from the original installation. It is approved to pour a leveling concrete and 3" of insulation or add additional insulation to provide the proper elevation for the rink floor.
- 4.7 Supply and install 6 mil poly vapor barrier over rink floor insulation.

- 4.8 Supply and install a maximum of 1" wide expansion joint material around the rink.
- 4.9 Supply and install combination rebar chair/tubing spacers across the rink at a minimum of 3' on center. Overlap chair two pipes at each intersection.
- 4.10 Supply and install reverse return type, HDPE SDR 11, center rink header with tubing connections 3-1/2" on center. The top of the tubing in the rink floor shall be 1-3/8" below finish floor and bench mark. Elevation of tubing shall be +/- 1/4" tolerance throughout the rink floor.
- 4.11 Supply and install reinforcing steel bars throughout the rink floor. Bars must fit into combination spacers and be 10-1/2" on center for the long and bottom bar, and 12" on center for the top bars going across the rink. Top bars to also provide support for the rink tubing. Bars should be installed in the center rink header location both ways to show ample reinforcing through the center trench.
- 4.12 Supply and install dasherboard ice dam anchors around the rink per the as-built drawing to match existing ice dam.
- 4.13 Supply and install goal inserts and circus inserts as required in the rink floor. Level all inserts to -1/8" below finish floor bench mark.
- 4.14 Supply and install HDPE SDR11 tubing throughout the ice rink. Tubing must be placed in spacers at 3-1/2" on centers and have perimeter loop pipe that sits adjacent to the dasherboard ice dam anchors, to ensure piping and ice up under the dasherboards.
- 4.15 Vendor shall tie tubing to the tubing spacers to prevent tubing from floating during ice rink pour. Tubing should be tied completely down every other row so it is every other 6'.
- 4.16 Tubing to be 1-3/8" below finish floor, +/- 1/4" overall. Contractor shall conduct 8' survey of floor to ensure tubing is at the correct elevation.
- 4.17 Supply and install reinforcing steel mesh over the rink tubing throughout the rink floor. Mesh to be tied every 1' at seams and overlaps, and every 2' everywhere else. Mesh to be tied to the reinforcing steel bars below and not to the rink tubing.
- 4.18 Supply, place and level 6" thick rink concrete floor. Concrete mix design shall be submitted to the District a minimum of one month prior to the rink pour. Rink concrete shall be a minimum of 4500 psi, and not have a higher than .40 water to cement ratio.
- 4.19 Supply and install a 2-week wet cure over leveled concrete. Maintain during 2-week cure.

4.20 Supply and install the movable top of the expansion joint around the rink.

5. Phase V – Rink Control System. Provide compressor control, water cooled condenser pump and rink circulation pump controls. Provide complete monitoring of temperature, pressure and universal inputs as described below. Vendor shall provide and install control system to control outputs as described below.

5.1 Control System Inputs. At a minimum provide the following inputs:

A. Temperature.

1. Glycol Return Temperature – From Rink
2. Glycol Supply Temperature – Leaving Chiller
3. Outdoor Air Temperature
4. Each Compressor Discharge Temperature (3 each)
5. Each Compressor Oil Temperature (3 each)
6. Each Compressor Suction Temperature (3 each)
7. Rink Ice Temperature – #1 in the floor
8. Rink Ice Temperature – #2 in the floor

B. Pressure.

1. Common Discharge Temperature
2. Each Compressor Discharge Pressure (3 each)
3. Each Compressor Suction Pressure (3 each)
4. Each Compressor Oil Pressure (3 each)

C. Universal Inputs.

1. Glycol Pump #1 Status (amps)
2. Glycol Pump #2 Status (amps)
3. Glycol Flow Switch Status – Flow or No Flow through chiller
4. Compressor #1 Status (amps)
5. Compressor #2 Status (amps)
6. Compressor #3 Status (amps)
7. Condenser Pump #1 Status (amps)
8. Condenser Pump #2 Status (amps)
9. Ammonia Leak Detector Status
10. Stop Status
11. Compressor #1 General Alarm
12. Compressor #2 General Alarm
13. Compressor #3 General Alarm
14. Techni-Level Refrigerant Level Feed

D. Design and construction shall meet UL requirements and shall have labels appropriately affixed.

- E. Wiring shall comply with the National Electrical Code current version.

5.2 Ice Plant Process Monitoring System.

- A. Ice plant control system to also include pressure gauges and thermometers to match control system readings. The gauges and thermometers shall be installed adjacent to the control system pipe tapings, which will allow calibration and verification of the control system readings. These points will also allow the operators to see the system's vital readings at the point they are taken on the system.

5.3 Ice Plant Operation Narrative.

- A. The ice plant operation is designed for maintaining ice by maintaining an operator-desired brine temperature. The compressors are to stagger in operation to maintain the desired ice temperature. The Vendor shall supply and install VFD's on each rink pump to vary the flow to the ice sheet if desired by the operator.
- B. Ice plant control system shall automatically vary the ammonia condensing pressure and temperature by use of a VFD on the condenser water pump to maintain a constant pressure under all conditions and loads.
- C. Ice plant control system shall provide readings on the control screen for each input or status point. The number of screens or graphics provided is up to the Vendor.
- D. Ice plant control system shall provide ongoing charting history of the temperature and pressure inputs. It shall also provide history of the system events including the compressors on and off events and any alarm events.

5.4 Ice Plant Leak Detection System. Supply and install a leak detection system manufactured by Calibration Technologies, Inc., and include the following components and devices:

- A. The control panel shall be a GG-6 control panel. This panel shall be mounted directly outside the main entrance of the room.
- B. The remote display GG-RD panel. This panel shall be mounted at a location outside of the room in a location selected by the District. If an additional door is added, this panel will be mounted directly outside of this door. Otherwise the panel will be mounted in the security or engineering office located near the mechanical room.

- C. The ammonia detection sensors shall be three each, GG-NH3 – 250 sensors. Sensors are to be mounted in the mechanical room at 5' above the floor in the main areas where ammonia could possibly leak from the system. Vendor shall submit locations for verification prior to installation.
 - D. The leak indication horn/strobes shall be four each, SHA – 24. Two horn strobes shall be mounted in the mechanical room and two horn strobes shall be mounted outside the mechanical room doors.
 - E. The system shut down emergency stops, shall be two each, SB – ES1, and shall be mounted directly outside of the mechanical room doors.
 - F. System shall provide horn/strobe activation at programmed level, emergency exhaust fan operation at programmed level and system shut down at programmed level. All leak detection system components and functions must meet state and local codes. Exhaust fan contacts are to be provided with the above controller; however, the exhaust fan wiring shall be provided by others.
6. Phase VI – Other Included Items. Supply and a complete Jet Ice manufactured PS-MACH 6 10,800 Pro Ice Demineralizer system. The system shall include twin, alternating 16" diameter water softeners and duplex carbon filter assemblies. The system shall have 850-gallon water storage tank, a brine tank and pump. The system shall be piped and installed per the manufacturer's installation requirements for a fully function system.
7. Phase VII – Commissioning, Training, Warranties and As-builts.
- 7.1 Provide initial flush of secondary side of system using water, filling the system and operating the main brine pumps for a minimum of four hours each after air has been removed. Remove the water from the system and clean the suction diffusers on each pump inlet. Remove start up screens on each pump.
 - 7.2 Supply and install inhibited calcium chloride brine to the refrigeration system in the mechanical room, all piping and the rink floor. Operate the brine pump for a minimum of two days at room temperature and remove air in the system. Use the expansion tank to monitor brine level in the system and remove air from the top of the tank.
 - 7.3 Install refrigerant-grade ammonia in the system after passing pressure tests and evacuation of the system.
 - 7.4 Commission compressor, add oil to compressors and after compressors are charged with oil, provide an additional 20 gallons of oil for the District.
 - 7.5 Provide system start up and slowly lower rink floor temperature approximately three degrees per hour, or slower, until ice slab is at ice making temperature.

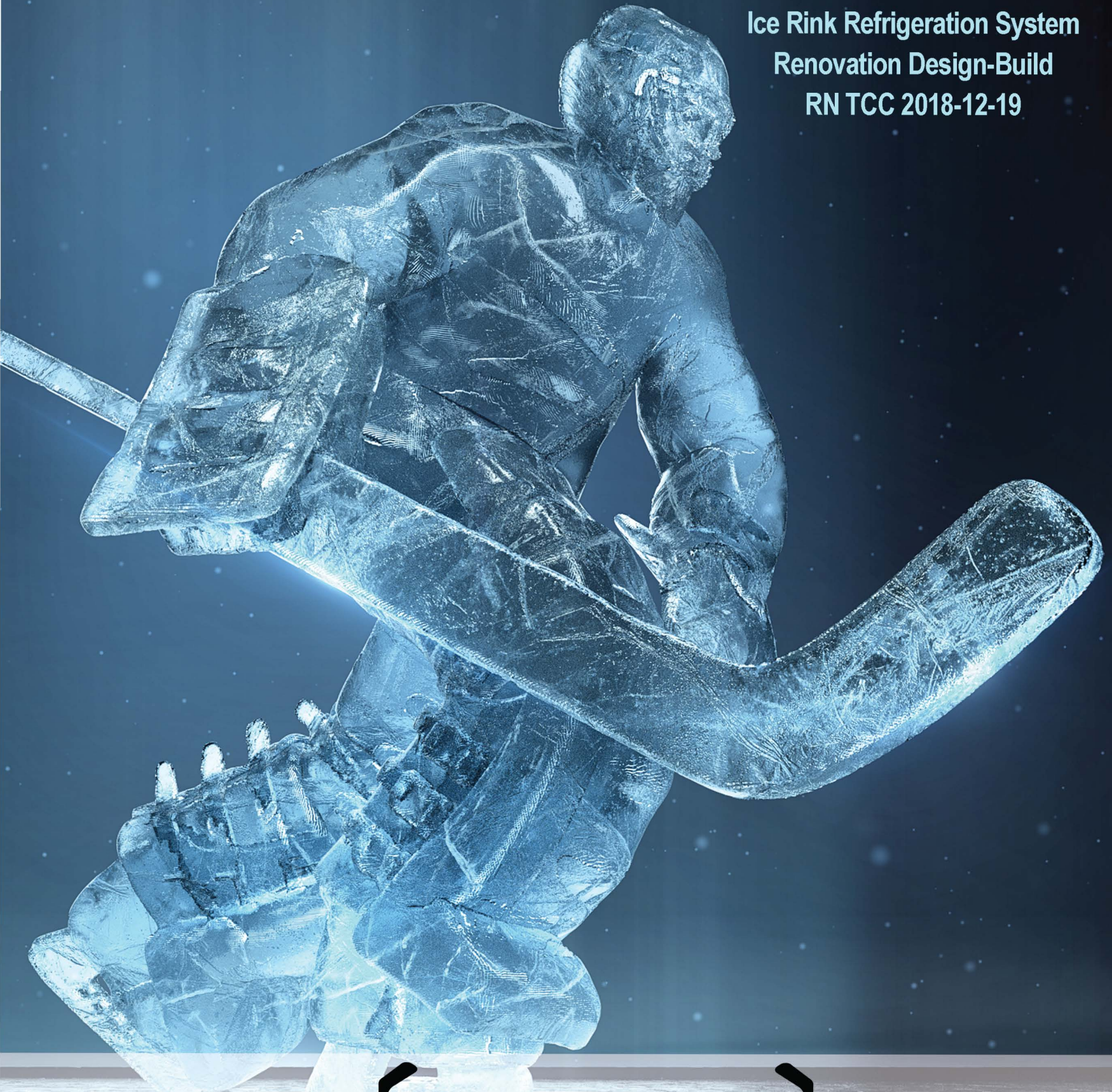
- 7.6 Provide four hours of instruction to the District on three separate occasions for refrigeration system training. Provide additional training on the system controls.
- 7.7 Provide system warranties of not less than two years on material and one year on labor.
- 7.8 Provide mechanical and electrical system as-built drawings.
- 8. Fees and Submittals.
 - 8.1 Vendor is responsible for all associated fees, permits and taxes associated with this Project. (Note: The District will provide third- party material testing.)
 - 8.2 Vendor shall produce submittal documents for all supplied equipment and material.
 - 8.3 Vendor shall provide mechanical engineered stamped drawings for the supplied installed system.

EXHIBIT F
TO
DESIGN - BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY

[Contractor's Response to the RFQ]

See following pages.

Tucson Convention Center
Ice Rink Refrigeration System
Renovation Design-Build
RN TCC 2018-12-19



GLHN
ARCHITECTS & ENGINEERS, INC

 **LLOYD**
CONSTRUCTION COMPANY, INC.

CIMCO

January 15, 2019

Mr. Fletcher McCusker
Rio Nuevo Multipurpose Facilities District
District Clerk's office
400 West Congress, Suite 152
Tucson, Arizona 85701



**RE: RN TCC 2018-12-19) Tucson Convention Center Ice Rink Refrigeration
System Renovation Design-Build**

Dear Mr. McCusker and Members of the Selection Committee:

Rio Nuevo is experiencing unprecedented success in its redevelopment of downtown Tucson. The Tucson Convention Center (TCC) is a primary focus of this work. Community expectations are high and use of the arena has only increased since the arrival of the Roadrunners Hockey Team. Ensuring optimal playing conditions is paramount to the success of both the Roadrunners and the UA Wildcat Hockey Team.

In order to increase attendance and therefore revenue, it's imperative that this job be done right to support future plans and commitments with public money. We have put together a stellar team comprised of Lloyd Construction Company, Inc., GLHN Architects and Engineers and CIMCO Refrigeration, Inc. The Lloyd/GLHN/CIMCO Team has the skills, knowledge and expertise to help Rio Nuevo build yet another success story!

- Lloyd Construction Company, Inc. is a trusted general contractor with 50-years of quality, LOCAL construction. We have strong design-build (db) experience with such clients as the City of Tucson and The University of Arizona. We recently completed the AC Hotel Tucson, a db project in the Rio Nuevo Multipurpose Facilities District. Additionally, in partnership with GLHN, we completed the City of Tucson Central Plant Upgrades at the Tucson Convention Center. All phases of the project were completed on time and under budget.
- GLHN provides integrated architecture and engineering and has been Engineer of Record for much of the recent renovation work at the TCC including the arena renovations, breezeway and lobby improvements and locker room upgrades.
- CIMCO is a specialty consultant that provides ice rink systems across the United States and Canada. They bring unmatched expertise to this project having installed over 6,000 ice surfaces worldwide including 80%+ of the NHL facilities. Their knowledge and past lessons learned will ensure this important feature is designed and built correctly and on time. They further bring the advantage of manufacturing their own systems. Immediately upon selection, they can place the equipment order, eliminating the long lead time that other third party manufacturers are likely to have.

We acknowledge receipt of Addendum #1 dated December 20th, 2018, addendum #2 regarding submittal quantities dated January 9th, as well as the Addendum entitled Responses to Additional Inquires on RFQ RN TCC 2018-12-19 dated January 9th, 2019. As Vice President of Lloyd Construction Company, I, Bradley J. Lloyd, am authorized to bind our company in regards to RN TCC 2018-12-19) Tucson Convention Center Ice Rink Refrigeration System Renovation Design-Build. We appreciate the opportunity to submit our qualifications and look forward to hearing from you.

Sincerely,

A handwritten signature in blue ink, appearing to read 'BJL', is written over a horizontal line.

Bradley J. Lloyd
Vice President/Principal in Charge
Lloyd Construction Company
520.884.9821 | brad@lloydconstruction.com



GENERAL INFORMATION

(1) One-page cover letter as described in Subsection 1.2(C) (Required Submittal).

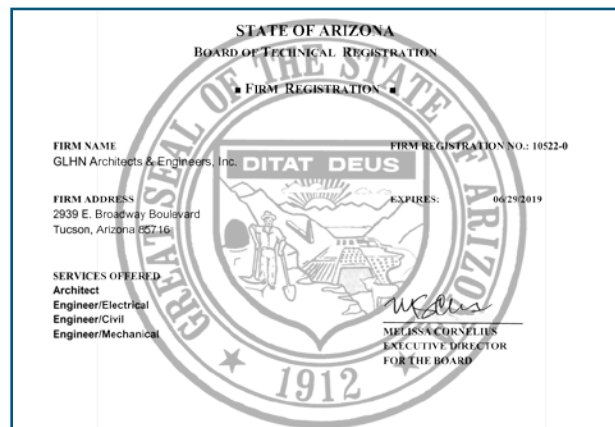
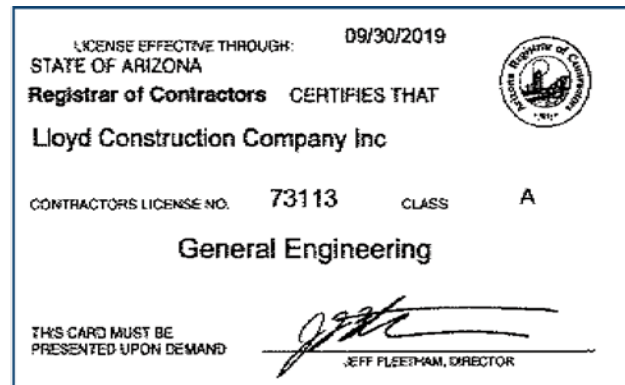
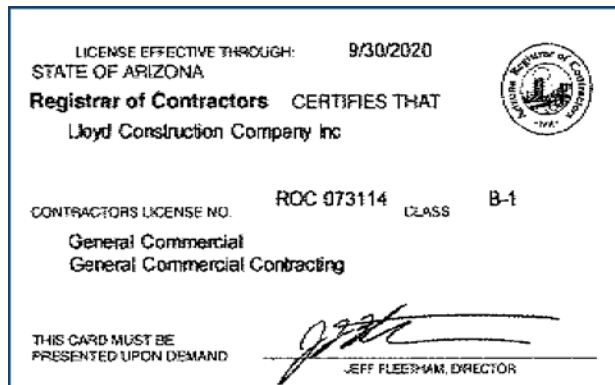
Please see our cover letter preceding this page of the SOQ.

(2) Provide Vendor identification information. Lloyd Construction Company, Inc. is the legal entity submitting our qualifications for the Tucson Convention Center Ice Rink Refrigeration System Renovation Design-Build. We do this in partnership with GLHN Architects & Engineers and CIMCO Refrigeration for whom we will be responsible for under the Design-Build Agreement.

Legal Name	Address	Identification #	Legal Form of Vendor
Lloyd Construction Company, Inc.	2180 N. Wilmot St. Tucson, AZ 85712	86-0255215	Corporation
Person to Contact Regarding SOQ	Address of Contact Person	Telephone Number of Contact Person	
Paul Pena	2180 N. Wilmot St. Tucson, AZ 85712	520-886-1474 paul@lloydconstruction.com	

(3) Identify the location of the Vendor's principal office and the local work office, if different from the principal office, and the percent of work expected to be done locally. Include any documentation that supports the Vendor's authority to provide services in Arizona.

Lloyd Construction maintains a single office at the address provided in the above table. We expect 75% or more of the work will be done locally, as both Lloyd Construction and GLHN are local companies that utilize local subcontractors as frequently as possible. CIMCO Refrigeration is an international company whose US headquarters are in Mobile, AL. They have dozens of offices throughout the US and Canada. Because of their specialized experience in ice rink refrigeration systems, they will be responsible for a fair portion of the work with their superintendent in Tucson for 100% of the construction phase. Please see our licenses below as documentation of our authority to provide services in Arizona.





GENERAL INFORMATION

(4) Provide a general description of the Vendor that is proposing to provide the Services, including years in business.

Lloyd Construction Company, Inc. has been serving Tucson and Southern Arizona for 50 years. More than a general contractor, we are a team of BUILDERS. Bill and Brad Lloyd are second generation, owner-operators of Lloyd Construction. They maintain the Lloyd legacy that their father, Bill Lloyd Sr., established in 1969. Bill Sr. instilled strong values within his sons at an early age. He encouraged them to establish long term relationships with their customers by always acting honestly, ethically and by providing them best value. Our 50-year history of always acting in the best interest of the owner by providing a quality build, on time and fully aligned to the owner's budget and expectations has earned us our reputation for Integrity, Passion and Excellence. These values are what sets Lloyd apart from all other firms.

As leaders in the Southern AZ construction market, Lloyd Construction offers a vast breadth of in-house expertise including but not limited to architecture, preconstruction and estimating services, LEED Accredited Professionals, highly experienced construction project managers and superintendents, warranty services personnel, support staff and over 100 skilled laborers and craftsman. Choosing Lloyd as your partner for this project brings an experienced and high caliber subcontractor team. By ensuring safe working conditions, prompt pay, and superior project planning, we have earned a reputation for being a preferred General Contractor. This is a real asset to this project in the current environment, which is experiencing a shortage of qualified labor and tradesman. To further mitigate the labor shortage, Lloyd is able to self perform in many areas. Typically we utilize our own manpower to reinforce our subcontractors' efforts. In the current environment, it has sometimes become a necessity to self perform certain scopes of work due to the labor shortage. As an example, we recently solicited bids from 16 companies for a single trade. We received only one inflated response. We were able to save the owner money and stay on schedule by utilizing our own manpower to complete the scope. We only self-perform when it is in the best interest of the owner and we are always transparent, seeking the owner's approval prior to proceeding.

(5) Identify any contract or subcontract held by the Vendor or officers of the Vendor that has been terminated within the last five years. Briefly describe the circumstances and the outcome.

There have been no contracts or subcontracts held by Lloyd Construction Company, Inc. or their officers that have been terminated within the last five years.

(6) Identify any claims arising from a contract that resulted in litigation or arbitration within the last five years. Briefly describe the circumstances and the outcome.

As the general contractor, Lloyd Construction built a project known as the Mini Time Machine which was finished in 2009. A lawsuit was filed in May of 2017 against Lloyd Construction, the architect of record and the mechanical engineer alleging that the humidifiers were the wrong type and size. Lloyd Construction did not decide the type or size of the humidifiers, it followed the plans and specifications provided by the owner. Discovery commenced and although none of the defendants admitted liability the matter was recently settled and is in the process of being dismissed.

(7) Provide the Arizona professional and contractor license numbers held by the Vendor and the key personnel who will be assigned to this Project; please indicate if the individual or the firm holds the license.

Please see copies of our licenses on the previous page. Lloyd Construction Company, Inc. holds a Class B-1 General Commercial Contracting license ROC #073114 and a Class A General Engineering license ROC #73113. GLHN Architects & Engineers, Inc. holds a State of AZ Board of Technical Registration #10522 and CIMCO Refrigeration Inc's holds a Class C-49 Commercial Industrial Refrigeration license ROC #286898.

(8) Vendor Information Form, with an original ink signature (may be attached as separate appendix).

Please see the completed and signed Vendor Information Form in the Appendix Section.

(9) Vendors selected as finalists for this Project will be required to provide a statement from a surety company licensed to do business in Arizona with an A.M. Best rating of not less than A- to verify the Vendor's bonding capacity.

Upon selection as a finalist for this project, we will supply a letter from our surety company, Lovitt & Touche, demonstrating our A++ rating and providing our bonding capacity.

(1) List at least five comparable design-build projects completed. For each project, provide:

Project Name: Tucson District Heating/Cooling Plant**(a) Project description:** This project shares many similarities with the Ice Rink Refrigeration System Remodel such as:

- The Tucson District Heating/Cooling Plant was a complex mechanical/electrical equipment change out project.
- There were many stakeholders in this project including TCC, Police Headquarters, MOMA, Leo Rich Theater, Music Hall and Fire Station 1.
- Extensive coordination of all construction activities and switch-overs were required. Work included off hours and weekends in order to keep the aforementioned stakeholders operational and without heating and cooling system disruptions.
- This phased project had tight timelines at all phases.

We are pleased to say that the Lloyd Construction/GLHN Team delivered all phases on time and under budget, returning contingency funds to the City of Tucson as each phase was completed. The City invested nearly all of the contingency funds in betterments, with the balance being returned to the City, which now enjoys an ongoing savings due to the efficiency of the systems and equipment installed in the plant.

(b) A description of the roles of each of the team members:

Brad Lloyd, Project Executive

William Koller, PE, Project Manager - Design

Paul Pena, Pre-Construction Manager and Project Manager

Jon Ziegler, PE, Mechanical Engineer

(c) Original contracted construction cost: \$7,183,363**Final construction cost:** \$7,154,666**(d) The project's original completion date:** Ph 1: 12/09
Ph 2 & 3: 06/12**Final completion date:** Ph 1: 12/09
Ph 2 & 3: 06/12**(e) The project's owner:** City of Tucson**(f) Project reference:****Telephone number:** **Email address:**

Vinnie Hunt - Administrator, Architecture and Engineering

Retired - n/a

n/a

Project Name: University of Arizona Health Services Building 201

(a) Project description: This was a Design-Build (DB) project by Lloyd Construction and GLHN. As part of the University of Arizona/Banner Health initiative, a number of UAHS departments need to be relocated. To facilitate this phased relocation effort, existing space on multiple levels in Building 201 needed to be renovated to provide the administrative and ancillary support associated with UAHS departments. The incoming UAHS departments needed to be functional by April, 2018. Unable to access the space until January 8th, 2018, the Lloyd/GLHN team was able to turn several floors over early and completed the project on time and under budget. As a result, we have been selected to begin phase 2. Similarities shared to the ice rink refrigeration renovation project include:

- Extremely tight deadline with no leeway on the date needed for occupancy.
- Many stakeholders involved
- Occupied facility
- Minimal space for staging and layout

(b) A description of the roles of each of the team members:

Brad Lloyd, Project Executive

William Koller, PE, Mechanical Engineer

Paul Pena, Pre-Construction Manager

Gilbert Alabado, AIA, Architect

(c) Original contracted construction cost: \$8,540,357**Final construction cost:** \$7,191,347**(d) The project's original completion date:** 04/18**Final completion date:** 04/18**(e) The project's owner:** The University of Arizona**(f) Project reference:****Telephone number:** **Email address:**

Dana Sylvester - Project Manager

520.626.8793

danas@email.arizona.edu

Project Name: UA Veterinary Science Building 90 (Deferred Maintenance)

(a) Project description: The team of GLHN and Lloyd Construction are currently working with the University on this design-build, deferred maintenance project. The building is home to the School of Animal & Comparative Biomedical Sciences and is a mix of labs, classrooms and offices. The project is still under way, however the scope of work includes:

- 100% asbestos abatement
- Complete removal and replacement of mechanical, plumbing and electrical systems
- Removal and replacement of lab gases
- Removal and replacement of reverse osmosis system
- Removal and replacement of fume hoods and autoclaves
- Upgrades to current building code standards
- Life safety upgrades including accessibility, fire partitions and paths of egress
- General improvements to signage, millwork, fixtures, and finishes
- Repair non structural concrete cracks, apply epoxy system to withstand lab activities

Similarities include:

- Intense focus on mechanical, plumbing and electrical systems
- Fast-track schedule
- Multiple stakeholders requiring extensive communication and coordination

(b) A description of the roles of each of the team members:

Brad Lloyd, Project Executive

Paul Pena, Pre-Construction Manager and Project Manager

Gilbert Alabado, AIA, Architect

Brandon Wilson, Electrical Designer

(c) Original contracted construction cost: \$18,000,000

Final construction cost: In progress and tracking on budget

(d) The project's original completion date: 01/19

Final completion date: In progress and tracking on schedule

(e) The project's owner: The University of Arizona

(f) Project reference

Steve Mikitish - Senior Project Manager

Telephone number

520.626.6880

Email address

smikitish@email.arizona.edu

Project Name: University of Arizona Residence Life Renewal

(a) Project description: Lloyd Construction and GLHN have teamed on extensive utility infrastructure, building envelope and common space renovations to 11 University of Arizona Residence Halls during the 75-day summer breaks, completing as much as \$7 million in interior upgrades in this short time span. Together, Lloyd/GLHN have a decade of experience working closely together on these fast-track renovations having an aggregate value of over \$50 million. In the interest of space, we have selected one summer's work, La Paz & Apache/Santa Cruz Residence Halls, to demonstrate cost/schedule information.

- Extremely tight deadline with no leeway on the date needed for occupancy.
- Communication/coordination was paramount
- Occupied facility
- Minimal space for staging and layout

(b) A description of the roles of each of the team members:

Brad Lloyd, Project Executive

Paul Pena, Pre-Construction Manager

Tim Shute, Project Superintendent

William Koller, PE, Mechanical Engineer

Gilbert Alabado, AIA, Architectural Job Captain

Brandon Wilson, Electrical Designer

(c) Original contracted construction cost: \$8,335,890

Final construction cost: \$7,154,693

(d) The project's original completion date: 08/09

Final completion date: 08/09

(e) The project's owner: University of Arizona

(f) Project reference

Brian Dolan - Facilities Project Manager

Telephone number:

520.621.1805

Email address:

bfdolan@u.arizona.edu

B.

EXPERIENCE AND QUALIFICATIONS OF VENDOR

Project Name: City National Arena

(a) Project description: This Project was a complete design-build ice rink for an NHL/AHL level team. The solution that was designed and installed was a centralized ammonia / glycol indirect system which is very similar to what is being proposed for the TCC with an HDPE, fusion welded ice rink floor. CIMCO was responsible for the package manufacturing, controls and the central plant for the rink providing heating and cooling for most of the building.

(b) A description of the roles of each of the team members:

Ben Blankenship, Project Manager
 Terry Norris, Onsite Supervisor
 Drew Perryman, Project Account Manager

(c) Original contracted construction cost: \$2,100,000 **Final construction cost:** \$2,900,000*

(d) The project’s original completion date: 09/17 **Final completion date:** 09/17

*Owner requested change of scope.

(e) The project’s owner: Vegas Golden Knights

(f) Project reference: **Telephone number:** **Email address:**
 Darren Gillett, President, Gillet Construction, LLC 702.795.3398 dgillett@gillettconstruction.com

(2) List all Arizona projects, whether completed, ongoing, or selected, but not yet under contract, where the Vendor/ team provided either builder in a design-build project, construction manager at risk or general construction services in the last three years.

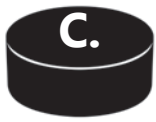
Due to the limited number of pages allowed, we have summarized the requested information in the table below. The full list may be found on page 17 of the appendix section.

Contract Type	Design-Build			CMAR			General Construction		
Status	Selected	Ongoing	Completed	Selected	Ongoing	Completed	Selected	Ongoing	Completed
# of Projects	0	3	2	1	2	11	2	4	20
Subtotal	5			14			26		
Total	45 projects in the last three years.								

(3) Describe the Vendor’s experience in the construction of ice rink refrigeration systems.

As ice rinks are not a common occurrence in Southern Arizona, we have teamed with CIMCO Refrigeration Inc., the premier manufacturer, designer, installer and service company in the industry. CIMCO is the world’s largest ice rink contractor. Serving North America and International markets, CIMCO has installed over 6,000 ice surfaces worldwide. *Their credibility can be confirmed by the fact that they have installed 80%+ of the NHL facilities and have worked with many high profile clients such as the International Olympic Committee, AHL, OHL, CHL and others.* A list of applicable projects can be found on pages 18-19 of the appendix section.





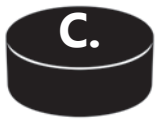
KEY POSITIONS

(1) Provide an organizational chart showing key personnel to be involved in this Project and Vendor affiliation. At a minimum, identify the following:

- (a) Project designers.
- (b) Manager for preconstruction services.
- (c) Project Manager during construction.
- (d) Construction Engineer.
- (e) Superintendent.
- (f) Other key personnel as desired.

Below is the organizational chart denoting key team members.





KEY POSITIONS

(2) Identify the home office location of key personnel, length of time with the firm and the percent of work to be done locally.

Key Personnel	Company	Home Office	Length of Time with Firm	% of Work to be Done Locally
Brad Lloyd	Lloyd Construction Company, Inc.	Tucson, AZ	23 years	100%
Paul Pena, LEED AP	Lloyd Construction Company, Inc.	Tucson, AZ	9 years	100%
Tim Shute	Lloyd Construction Company, Inc.	Tucson, AZ	48 years	100%
William Koller, PE, CEM, CBCP	GLHN Architects & Engineers	Tucson, AZ	11 years	100%
Jon Ziegler, PE, LEED AP, BESA, CxT	GLHN Architects & Engineers	Tucson, AZ	13 years	100%
Brandon Wilson	GLHN Architects & Engineers	Tucson, AZ	8 years	100%
Gilbert Alabado, AIA	GLHN Architects & Engineers	Tucson, AZ	34 years	100%
Tyler Rodriguez	GLHN Architects & Engineers	Tucson, AZ	1 years	100%
Ben Blankenship	CIMCO Refrigeration, Inc.	Mobile, AL	5 years	15%
Terry Norris	CIMCO Refrigeration, Inc.	Mobile, AL	10 years	100%
Drew Perryman	CIMCO Refrigeration, Inc.	Toronto, OT	8 years	10%

(3) If a subcontractor will be used for all work of a certain type, include information on this subcontractor. A detailed plan for providing supervision must be included.

The design-build team of Lloyd/GLHN/CIMCO does not propose any pre-selected consultants or subcontractors for this project. Consultants and subcontractors will be selected at a later date through a combination of qualifications and price. We will work with Rio Nuevo, Swaim Associates and all owner stakeholders to review the data and make the most appropriate selections based on the needs of the project, including budget and timeline. Because of the specialized nature of the work, CIMCO has provided the names of several highly qualified concrete installers that they feel confident can do the required concrete work. They have worked with these companies on similar projects in the past. The suggested contractors are

DJ Rossetti, Inc.
518-470-8150

Merlo Construction
248-640-2144

Rodgers Incorporated
614-207-3940

As with all subcontractors, we will use Army Corp of Engineer's 3-Step Quality Control Process, detailed in section **D(i) Managing subcontractors**, to manage the work of the selected concrete contractor.

(4) Attach a résumé and evidence of certification, if any, for each key personnel member and/or subcontractor to be involved in this Project, including experience in design-build projects. At a minimum, the listed projects should include two comparable projects, the project name, project owner, location, key person's role, reference information and brief description of the work. Résumés should be attached together as a single appendix at the end of the SOQ and will not count toward the SOQ page limit. However, each resume shall not exceed two pages in length.

As requested, we have included resumes for all key personnel in the appendix section.





PROJECT UNDERSTANDING AND APPROACH

(1) Discuss your understanding of this Project. Include major issues your firm/team has identified and how you intend to address those issues.

The Lloyd/GLHN/CIMCO design-build team understands the following to be the current situation at the Tucson Convention Center. This refrigeration system was originally installed in 1998 with an Ammonia primary and CaCl brine secondary system. At some point, this was changed over to an R22 primary and CaCl brine secondary system.

Due to environmental considerations of refrigerant leakages, R22 has a pending phase out date of 2020, making this changeover very timely. The goal for the facility in replacing this refrigeration system is to move to a primary refrigerant solution which provides efficiency gains over the current system, and protects it against any future EPA regulations related to potential refrigerant phase outs. An ammonia system has been requested which is a great solution for accomplishing both of these goals.

The current ice rink floor is having temperature, flow and leakage issues which is causing concern for the AHL affiliate team that uses this facility. Our understanding is that the temperature split on the floor is nearing 6+dF which is much higher than typical design, especially of a high end facility, typically targeting between 2dF and 3dF temperature split to the floor. We also understand there are some leaking issues of the secondary refrigerant out in the floor. The new floor construction, using ALL HDPE fusion welded piping will solve this issue, even with CaCl maintained as the secondary refrigerant.

Our team fully understands the very sensitive timeline on this project as well. We understand the current schedule is beginning the chiller demolition on June 14th, 2019 and the floor demolition on June 24th, 2019, with a completion date of September 1st substantially and having ice in and done by September 15th, 2019 and these dates cannot change. We understand the start date is tied to programming and might be able to begin earlier, but the schedule prepared reflects the worst case scenario start date. We have provided the schedule that matches this very important timeline in MS project attached.

Team member, CIMCO, has many ice rink installation crew members. They work only with their most vetted and experienced subcontractors to ensure that key timelines for installation are met. Because CIMCO manufactures their own ice rink equipment (packages, MCC, controls etc...), they are able to streamline and expedite this to ensure this date is absolutely held. To summarize, we understand the importance of quality ice to this facility and that the September 1st, 2019 date must absolutely be met. CIMCO has the trust of the NHL, having completed the vast majority of their facilities.

(2) Describe your approach to performing the required Services in the Scope of Work in Exhibit A, including the following processes:

(a) Designing. Partners, GLHN and CIMCO, will take the lead on engineering and design. We will approach the project to produce solutions tailored to the needs of this project, including functional requirements and the practical aspects of operations and maintenance. We will engage with the Owner's Operation and Maintenance staff early, as they are essential team members that can provide insights and recommendations for materials. Our mechanical engineers will coordinate closely with the architects to assure energy efficient integration of the refrigeration systems. Good design involves detailed investigation of climatic conditions and life-cycle analyses to yield cost-effective solutions and reliable commissioning to ensure accurate installation. Our electrical engineering staff will work within the same model to design systems that enhance the built environment, adhere to local codes and promote safety and efficiency. The design team will assist the construction team in maintaining the project cost model that will be used at each step of the design process to validate the budget. It is imperative that we have a solid understanding of the owner's "must have" objectives and provide the graphic, narrative and oral communication necessary to translate these largely qualitative objectives into quantitative costs.

(b) Planning. Planning will begin immediately upon notice to proceed. We will hold a stakeholder meeting with the design-build team, Swaim Associates, all owner stakeholders and key subcontractors. At this meeting, we review the entire scope of work, the schedule, any project specific safety protocols and the project specific quality control plans. As a team, we answer and resolve any questions, working to eliminate gaps and gray areas. Holding these meetings brings the subcontractors on board and establishes an open line of communication between all parties. We firmly believe the communal knowledge of the



PROJECT UNDERSTANDING AND APPROACH

group is a true asset to the project. The totality of everyone's experience can bring about brainstorming and solutions that help achieve the project goals at the best value. This type of collaboration leads to stronger team interactions that produce the best end results for the project.

As part of our preconstruction services, we will help determine the most efficient way to utilize and protect the project site. Consideration will be made for vehicle and pedestrian routing and protection, emergency egress, construction access and delivery, utility continuity, construction staging areas, parking, noise and dust control, equipment locations, site security, and recycling. Careful planning of the construction process will ensure a smooth transition from preconstruction to construction. We will develop a detailed site logistics plan, project phasing plan, safety plan, security requirements, and a quality control program specifically for the TCC Ice Rink Refrigeration System Renovation project.

(c) Estimating. Estimating for the TCC Ice Rink Refrigeration System Renovation will move swiftly. With a solid understanding of the project needs, CIMCO will be able to provide accurate numbers for the unit packages and installation. With the information supplied by CIMCO we will use a process that combines manual take-offs and quantities and compares them to information extracted from building information modeling (BIM). The dialog between these two methods formulate our cost model which has proven to be very successful in providing quick, highly accurate costing, as early as the conceptual design phase. Onsite investigations combined with the BIM model then translates to a constructability review. By providing accurate estimates early in the design process, we save both time and money. This allows the Owner Stakeholders to make informed decisions based on accurate projections of construction costs.

(d) Scheduling. The greatest challenge to this project is the tight schedule, primarily because of the specialized equipment associated with ice rink refrigeration systems. We will utilize a fast-track delivery method with phased GMPS to overcome this challenge. The advantage our team offers is that immediately upon notice to proceed, CIMCO will begin manufacturing the solution system. We have no need to rely on a 3rd party vendors. As the premier manufacturer, designer and installer in the industry, CIMCO already has a good idea of the packages and layout necessary to complete the project on schedule.

In regards to creating the overall project schedule, we will employ the Lean Construction Institute's The Last Planner® method, a production planning system designed to produce predictable work flow in order to optimize the value of the project for the owner. This collaborative approach includes input from our subcontractors, the design-build team and the owner's representatives and stakeholders. By having the entire team involved, we are able to evaluate alternative approaches, in order to choose the approach with the greatest advantages for all the trades.

(e) Cost controls. Our cost control measures start in the design phase and continues throughout the project. *Maximizing your budget is always at the forefront of what we do.* Upon selection, we hold a stakeholders meeting to reach agreement on magnitude. Once consensus is reached, the design-build team will immediately get to work. Because of our shared history and excellent working relationships, we collaborate to develop the design documents, details and specs and ensure completeness and accuracy of all drawings at the time of development. Ensuring constructability and functionality in the early design phases, allows us to address any concerns, allowing the DB Team to eliminate gaps and gray areas. *It also allows us to design for maximum value from the start - there is no need to value engineer later.*

From the design stage, we analyze the initial and life cycle cost of building systems. We can then identify and discuss options for materials that provide the design intent at the best value. The communication and collaboration during the pre-construction phase results in accurate design documents that allow construction to progress at an accelerated pace. The design team remains engaged throughout, ensuring that construction is completed to the design intent. This system of checks and balances results in the highest quality and best value.

(f) Project management and team organization during design and construction phase services. We take a very proactive approach to the organization and management of our preconstruction/construction process. The team will remain consistent throughout all project phases, eliminating errors that can occur in the transition from design to construction. Our team remains engaged throughout the entire process.



PROJECT UNDERSTANDING AND APPROACH

A major deliverable of our project management approach is the construction management plan. This plan will document and track, where applicable the following:

- Schedule w/ highlighted milestone dates
- Onsite investigations
- Alternate phasing/fast-track options
- Bid packages to support fast-track options and long-lead items
- Subcontracts
- Permitting strategy
- Safety management plan/inspections
- Quality assurance/quality control
- Cost model
- Role & responsibility matrix
- Site security

This paves the way for the smooth and expedient development of a project management plan specifically tailored to the needs, budget and time-line of the project.

(g) Bid package management. Our Plan for this project is to have 3 not-to-exceed Guaranteed Maximum Price deliveries that capture the total scope of the project:

1. Preconstruction GMP: Construction manager, design professionals, design consultants
2. GMP 1: Demolition and long lead item Procurement
 - Phase I- Demolition
 - Phase III- Rink Demolition
 - Long lead items
 - Permitting
3. GMP 2: Installations
 - Phase II - Mechanical Room Installation
 - Phase IV - Rink Floor Construction
 - Phase V - Rink Control Systems
 - Phase VI - Other items
 - Phase VII - Commissioning, Training, Warranties, As-Built, and closeout

(h) Management of overhead costs. Our overhead requirements will be developed and reviewed for approval by the project team as part of our Construction Management Plan. We will maintain the Design-Builder overhead at 5% or less and the overhead of our subcontracts at a target range of 10% overhead and 5% profit. All cost estimates and proposals will be presented in a unit cost format to maintain an open book process. In addition only cost used will be allowed to bill to the project with backup every pay application.

(i) Managing subcontractors. Because we have a long history of working with a majority of the quality subcontractors in Arizona, we are aware of each firm's capabilities and limitations. Therefore most quality issues are addressed at the outset by selecting subcontractors with the appropriate skills and a history of meeting our quality expectations. We believe our success over the last 50 years is due, in large part, to the high quality that we demand on all of our projects. The subcontractors we typically work with understand that we have a reputation for demanding this level of quality. It is because of this that we enjoy a high rate of repeat clients. During construction, we use the Army Corp of Engineer's 3-Step Quality Control Process to manage our staff and subcontractors.

1. Preparatory Phase: Before work starts, we review submittals, standards, codes, materials, and drawings with subcontractors. At the start of each definable feature of work, we perform a preparatory inspection which involves the following:

2. Initial Phase: As work begins, we review requirements, workmanship and controls, as well as check for omissions to ensure our quality requirements are being met. This is done throughout the day, so any required corrective action can be implemented immediately. Our superintendent will stop any unsatisfactory work immediately.

Our superintendents will work with the vendor to resolve the issue and ensure the work meets our quality expectations. If the vendor can't or won't meet our quality expectations, they will be released from the project and we will either self-perform the required work or seek an alternate tradesman/vendor.



PROJECT UNDERSTANDING AND APPROACH

3. Follow up Phase: As work is completed; we review it with each subcontractor to ensure that the quality standards have been met. This involves the following:

(j) Quality control. Our quality control program starts long before we break ground. It begins in preconstruction. We provide detailed constructability reviews. We evaluate risks and create solutions to avoid them. We evaluate and select highly qualified subcontractors. During construction we implement continuous construction inspections to ensure all quality measures are being met or exceeded. Finally, we do a post construction inspection. This process is implemented throughout each stage of construction. Should any warranty related items arise, we will be the single point of contact and we will resolve the issue to your satisfaction.

We are known for our quality construction. We have very high expectations and stringent quality control procedures. Our project superintendents are responsible for enforcing our quality control standards, and our subcontractors know that those standards must always be met. In order to manage our subcontractors and self-performing personnel, we implement the Army Corp of Engineer's 3-Step Quality Control Process discussed in the previous section.

(k) Safety. Health and safety is a culture for us. Many people say it but we prove it. In addition to our already rigorous safety standards, we have applied for the ADOSH Voluntary Protection Program (VPP). This program promotes effective worksite-based safety and health. It can take up to 2 years for ADOSH to formally approve an organization into this program. As a step towards that approval process, we have enrolled in the ADOSH Safety and Health Achievement Recognition Program (SHARP). We are the first Arizona General Contractor to enroll in this program. Both programs demonstrate our commitment to safety. A safe, clean site, expedites the construction schedule and controls the budget.

To ensure everyone onsite exhibits the same caution, our subs receive and must sign a copy of several safety forms, including a form verifying they have received, reviewed and will adhere to Lloyd Construction's Workplace Safety & Health Management Plan. These signed forms must be included with their signed contract. We have a no tolerance policy and will discipline, including termination of employees and/or subs, if there is an infraction.

(l) Dispute resolution. We have been highly successful in avoiding disputes by using a proactive approach. We accomplish this by utilizing clear contracts with precise terms and conditions both with the owner and with our subcontractors. By setting expectations early in the project, hosting weekly meetings and having continuous open dialogue with all parties we are able to resolve issues before they become disputes. In the unlikely event that a dispute should occur that can not be resolved by direct communication, we would turn to mediation.

(3) Include diagram(s)/drawing(s) of how you envision the final Project will look.

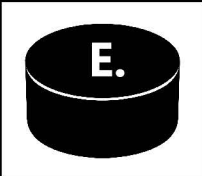
We have included the requested diagram on page 12 of the appendix section.

(4) Include a list of all of the major items of equipment including, but not limited to, the refrigeration equipment.

We have included a list of major equipment with product details on pages 13-16 of the appendix section.

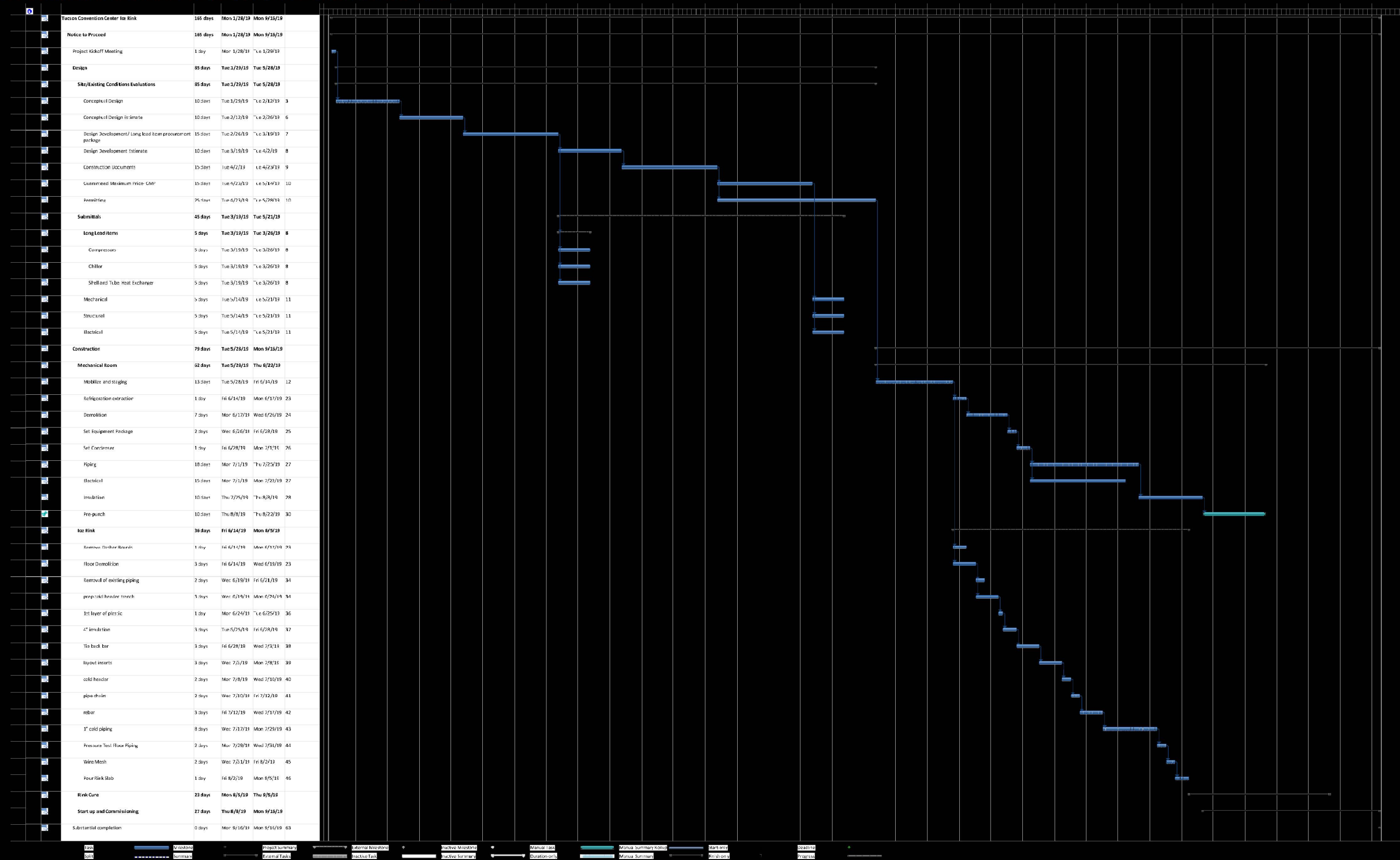
(5) Submit a subcontractor selection plan that meets ARIZ. REV. STAT. § 34-601 et seq.

The subcontractors we select are instrumental in a project's successful outcome. 50 years of building locally, has provided us with extensive knowledge and experience in pricing and scheduling in the Southern Arizona construction market. We have an established network of quality, reliable and cost-effective subcontractors. We are not only familiar with each subcontractor's capabilities, but also their particular strengths and weaknesses. One of our key responsibilities is to ensure we select subcontractors that demonstrate financial solvency, the ability and willingness to perform, as part of a cohesive team and who maintain the highest degree of workmanship. We always select subcontractors on a combined basis of qualifications and price. Our process meets ARIZ. REV. STAT. § 34-601.



PROJECT SCHEDULE

Provide a project schedule showing key project milestones and deliverables.



PART IV. VENDOR INFORMATION FORM

By submitting your Statement of Qualifications, the submitting Vendor certifies that it has reviewed the administrative information and draft of the Design - Build Agreement's terms and conditions and, if awarded the Agreement, agrees to be bound thereto.

Lloyd Construction Company, Inc.
VENDOR SUBMITTING SOQ

86-0255215
FEDERAL TAX ID NUMBER

Bradley J. Lloyd, Vice President
PRINTED NAME AND TITLE


AUTHORIZED SIGNATURE

2180 North Wilmot Road
ADDRESS

520-886-1474 520-884-1761
TELEPHONE FAX #

Tucson AZ 85712
CITY STATE ZIP

01/03/2019
DATE

WEB SITE: www.lloydconstruction.com

EMAIL ADDRESS: brad@lloydconstruction.com

MINORITY/WOMEN-OWNED SMALL BUSINESSES (check appropriate item):

- ☐ Disadvantaged Business Enterprise (DBE)
☐ Women-Owned Business Enterprise (WBE)
☐ Minority Business Enterprise (MBE)
☐ Small Business Enterprise (SBE)

Has your firm been certified by any jurisdiction in Arizona as a minority or woman owned business enterprise? No, Lloyd Construction is not certified as a minority or woman owned business enterprise.

If yes, please provide details and documentation of the certification.



BRADLEY J. LLOYD

Principal/Vice President

Brad is a second generation owner/operator for Lloyd Construction Company, Inc. Raised in the industry, Brad learned the construction business from his dad at an early age. He would accompany his father to the job site and listen and learn as his father explained what was happening in each stage of construction. When he was old enough, Brad joined the work crews out in the field and learned a variety of trades. Eventually Brad made his way into the office and has served as lead estimator, project engineer and project manager. In 1993 Brad became co-owner and Vice President of Lloyd Construction, alongside his brother Bill, who is President. Together they carry on the family tradition of delivering award winning, high quality, value driven projects to the Southern Arizona market.

EDUCATION:

BS, Western New Mexico
University

PROJECT ROLE:

Principal in Charge

FIRM:

Lloyd Construction Company, Inc.

YEARS WITH FIRM:

23

ACCREDITATION:

- American Concrete Institute
Masters Training
- Project Management, Fred Pryor
Seminars

CURRENT RESIDENCE:

Tucson, AZ

PROJECT EXPERIENCE:

Tucson District Heating/Cooling Plant at Tucson Convention Center City of Tucson, Tucson, AZ

Lloyd Construction was the general contractor for major upgrades to the City of Tucson District Heating/Cooling Plant located at the Tucson Convention Center. The central plant provides heated and chilled water to the TCC and the surrounding City owned properties. Scope included installation of new cooling towers; replacement of boilers and heating/hot water system; and replacement of chillers and the chilled water system. Brad was the Principal in Charge for this project.

*Reference: Vinnie Hunt, Administrator, Architecture and Engineering
(retired)*

Arizona Health Sciences Center (UAHS) Building 201 University of Arizona/Banner Health, Tucson, AZ

This fast track project converted 4 floors of a 1970 vintage concrete frame building from outpatient clinics into administrative offices. Design time was 3.5 months and construction time was 3.5 months to meet furniture set-up and move in date. Paul was pre-construction manager.

*Reference: Dana Sylvester, Project Manager
(520) 626-8793 or danas@email.arizona.edu*

Residence Life Renewal - La Paz & Apache/Santa Cruz Residence Halls University of Arizona, Tucson, AZ

Apache/Santa Cruz is just one of many Residence Life projects we have completed for the University of Arizona in conjunction with GLHN. This project had us completing over \$7 million of renovation work on two three-story dorms for a total of 831 beds. Work was completed over a 75-day summer break. Upgrades included modernizing bathroom facilities, converting group sleeping areas into private or double rooms, and converting outdated areas to increase bed count or to accommodate other uses. Brad was the Principal in Charge on this project.

*Reference: Brian Dolan, Facilities Project Manager
(520) 621-1805 or bfdolan@u.arizona.edu*



PAUL PENA, LEED AP

Pre-construction Services Manager/Project Manager

Paul has over 16 years of experience in architecture and construction. He received his Bachelors in Architecture from the University of Arizona and is a LEED Accredited Professional. He joined Lloyd Construction in 2010 and serves, depending on the project, as pre-construction manager, lead estimator and/or project manager. He has been the Pre-Con Manager/Lead Estimator on \$82 million and Project Manager on over \$20 million worth of Lloyd's construction projects. Paul's combined history of design and construction, plus his previous experience working with GLHN and at the Tucson Convention Center make him an excellent choice for the TCC Ice Rink Renovation project. Paul will work hand in hand with the design team, so that costing can be done in sync with the drawings. Paul is a skilled communicator who specializes in creative thinking with a focus on effective cost management and sustainability.

EDUCATION:

Bachelor of Architecture,
University of Arizona, 2006

PROJECT ROLE:

Pre-construction Services Manager/
Project Manager

FIRM:

Lloyd Construction Company, Inc.

YEARS WITH FIRM:

9

ACCREDITATION:

- LEED AP
- MSHA

CURRENT RESIDENCE:

Tucson, AZ

PROJECT EXPERIENCE:

Tucson District Heating/Cooling Plant at Tucson Convention Center City of Tucson, Tucson, AZ

Lloyd Construction was the general contractor for major upgrades to the City of Tucson District Heating/Cooling Plant located at the Tucson Convention Center. The central plant provides heated and chilled water to the TCC and the surrounding City owned properties. Scope included installation of new cooling towers; replacement of boilers and heating/hot water system; and replacement of chillers and the chilled water system. Paul was the pre-construction services manager and project manager.

*Reference: Vinnie Hunt, Administrator, Architecture and Engineering
(retired)*

Veterinary Science Building 90 Renovation University of Arizona, Tucson, AZ

Paul is the pre-construction services manager for the renovation of this 60,000 SF building originally built in 1966 and suffering from years of deferred maintenance. The scope of work involves the removal and replacement of outdated mechanical, plumbing and electrical systems, as well as outdated lab equipment. The renovation will include upgrades to current building code standards, life safety upgrades and general improvements to signage, millwork, fixtures, and finishes.

*Reference: Steve Mikitish, Senior Project Manager
(520) 626-6880 or smikitis@email.arizona.edu*

Arizona Health Sciences Center (UAHS) Building 201 University of Arizona/Banner Health, Tucson, AZ

This fast track project converted 4 floors of a 1970 vintage concrete frame building from outpatient clinics into administrative offices. Design time was 3.5 months and construction time was 3.5 months to meet furniture set-up and move in date. Paul was pre-construction manager.

*Reference: Dana Sylvester, Project Manager
(520) 626-8793 or danas@email.arizona.edu*



TIM SHUTE

Project Superintendent

Tim has 51 years of construction experience, 48 of them with Lloyd Construction. His rigor and attention to detail, complimented by his extensive knowledge and experience give him a tremendous ability to tackle large, complex projects. Tim was chosen for this project because of his skills in all things construction, including logistics, safety, security and his ability to get the most out of his subcontractors.. His familiarity with USACE Quality and Scheduling requirements will be an asset to the project, ensuring delivery of the highest caliber—delivered on budget and on time.

PROJECT EXPERIENCE:

Residence Life Renewal - La Paz & Apache/Santa Cruz Residence Halls University of Arizona, Tucson, AZ

Apache/Santa Cruz is just one of many Residence Life projects we have completed for the University of Arizona in conjunction with GLHN. This project had us completing over \$7 million of renovation work on two three-story dorms for a total of 831 beds. Work was completed over a 75-day summer break. Upgrades included modernizing bathroom facilities, converting group sleeping areas into private or double rooms, and converting outdated areas to increase bed count or to accommodate other uses. Tim was the Superintendent on this project.

*Reference: Brian Dolan, Facilities Project Manager
(520) 621-1805 or bfdolan@u.arizona.edu*

Truly Nolen Corporate Campus and Training Center Truly Nolen, Tucson, AZ

The project scope involved the redevelopment of a 3.88 acre site in Williams Centre for new Corporate Campus for Truly Nolen. Project includes a new site development package, two new buildings totaling 11,700 SF for training and corporate gatherings and the remodel of three existing buildings totaling 27,700 SF for new offices, fitness rooms, conference spaces, and a server room. Project features outdoor gathering spaces, drought tolerant landscaping, new parking and site lighting. Tim was the Superintendent on this project.

*Reference: Bob Hartley, Vice President
(520) 322-4060 or rw.hartley@trulymail.net*

CDO High School Additions and Renovations Amphitheater Public Schools, Tucson AZ

The administration building, the kitchen, student commons, and all restrooms were completely rebuilt over the summer break. At the same time, the football field was re-crowned, new sod installed, and a new track was placed along with new facilities for field events. Existing IT infrastructure had become inadequate as the demand for data in classrooms has expanded. During the same break, new exterior fiber-optic pathways were placed to serve all 21 buildings on campus and new data drops and electrical fixtures were prepared for nearly every room on campus.

*Reference: Chris Louth, Bonds Project Manager
(retired)*

EDUCATION:

Superintendent Training,
Association of General Contractors/
Pima Community College

PROJECT ROLE:

Project Superintendent

FIRM:

Lloyd Construction Company, Inc.

YEARS WITH FIRM:

48

CERTIFICATION:

- USACE CQM – C Certification
- Instrument/Survey Instructor for Carpenter's Apprenticeship, Soils Engineering and Test Training

CURRENT RESIDENCE:

Tucson, AZ



WILLIAM KOLLER, PE, CEM, CBCP

Engineer in Charge

Recently promoted to Department Manager of Mechanical Engineering, Bill oversees an enthusiastic team of engineers and designers who thrive when solving complex design problems. Bill continues to manage many of our central plant projects where he is involved throughout the design and construction process to ensure successful start up of all systems. In addition to central plants, Bill contributes his expertise to facility condition assessments, building heat load analysis, HVAC design, utility distribution systems and construction administration.

PROJECT EXPERIENCE:

EDUCATION:

Bachelor of Science,
Mechanical Engineering,
Rochester Institute of Technology
2007

PROJECT ROLE:

Engineer in Charge

FIRM:

GLHN Architects & Engineers

REGISTRATION:

Arizona 52324

YEARS WITH FIRM:

11

CURRENT RESIDENCE:

Tucson, AZ

Tucson District Heating/Cooling Plant at Tucson Convention Center City of Tucson, Tucson, AZ

Bill was mechanical engineer for GLHN's analysis of the existing system and design for upgrades to the central plant. The plant provides heated and chilled water to the TCC and the surrounding City owned properties. All shutdowns and construction had to be scheduled around the TCC schedule. New cooling towers were installed the boilers and the heating/hot water system were replaced during the non-heating season. Chillers and the chilled water system were replaced during the non-cooling season. The end result was a gain in efficiency of the plant.

*Reference: Vinnie Hunt, Administrator, Architecture and Engineering
(retired)*

Arizona Health Sciences Center (UAHS) Building 201 University of Arizona/Banner Health, Tucson, AZ

This fast track project converted 4 floors of a 1970 vintage concrete frame building from outpatient clinics into administrative offices. Design time was 3.5 months and construction time was 3.5 months to meet furniture set-up and move in date. Bill was mechanical engineer responsible for upgrades to the aging MEP infrastructure.

*Reference: Dana Sylvester, Project Manager
(520) 626-8793 or danas@email.arizona.edu*

Residence Life Renewal, University of Arizona, Tucson, AZ

GLHN worked with Lloyd Construction to complete major renovations to 11 residence halls. All work was completed over summer breaks over the course of 11 years with a total construction cost of \$50M. Various upgrades included modernizing bathroom facilities, converting group sleeping areas into private or double rooms, and converting outdated areas, such typing rooms, to increase bed count or to accommodate other uses. Bill was mechanical engineer for several of the buildings, responsible for HVAC improvements.

*Reference: Debra Johnson, Assistant Director, Design
(520) 626-2420 or debraj@email.arizona.edu*



JON ZIEGLER, PE, LEED AP, BESA, CXT

Senior Mechanical Engineer/Analyst

Jon Ziegler has been with GLHN since 2006 and is responsible for the study and analysis of existing mechanical systems and the design of system extensions to accommodate facility strategic growth. His tasks include system simulations and design, field tests, and generating reports. Jon often serves as project manager and has significant experience in presenting reports and visual presentations to clients.

PROJECT EXPERIENCE:

Tucson District Heating/Cooling Plant at Tucson Convention Center City of Tucson, Tucson, AZ

GLHN provided engineering design for major upgrades to the City of Tucson District Heating/Cooling Plant located at the Tucson Convention Center. The central plant provides heated and chilled water to the TCC and the surrounding City owned properties. Scope included installation of new cooling towers; replacement of boilers and heating/hot water system; and replacement of chillers and the chilled water system. Jon was mechanical engineer.

Reference: Vinnie Hunt, Administrator, Architecture and Engineering (retired)

Veterinary Science Building 90 Renovation University of Arizona, Tucson, AZ

Jon was design project manager for renovation of this 60,000 SF building originally built in 1966 and suffering from years of deferred maintenance. GLHN performed a condition assessment of all architectural and MEP systems and is working with the DB team to needed upgrades.

*Reference: Steve Mikitish, Senior Project Manager
(520) 626-6880 or smikitis@email.arizona.edu*

Residence Life Renewal University of Arizona, Tucson, AZ

GLHN worked with Lloyd Construction to complete major renovations to 11 residence halls. All work was completed over summer breaks over the course of 11 years with a total construction cost of \$50M. Various upgrades included modernizing bathroom facilities, converting group sleeping areas into private or double rooms, and converting outdated areas, such typing rooms, to increase bed count or to accommodate other uses. Jon was mechanical engineer for several of the buildings.

*Reference: Debra Johnson, Assistant Director, Design
(520) 626-2420 or debraj@email.arizona.edu*

EDUCATION:

Bachelor of Science,
Mechanical Engineering
Northern Arizona University
2006

PROJECT ROLE:

Mechanical Engineer/Analyst

FIRM:

GLHN Architects & Engineers

REGISTRATION:

Arizona 52126

YEARS WITH FIRM:

13

CURRENT RESIDENCE:

Tucson, AZ



BRANDON WILSON

Electrical Designer

Brandon joined GLHN in 2010 as a CADD Technician and has since advanced to an electrical engineering designer with a focus on low voltage, power and lighting design. He brings a passion for architecture and a strong background in construction which allows him to understand complex systems and coordinate them with other in-house disciplines. As the BIM/Revit developer for the Electrical Department, Brandon creates modeling content and calculations used by other designers and engineers. Brandon works closely with senior staff in project design and the construction document preparation for both renovation and new construction projects. He also partners with in-house mechanical staff in the design of central plants and campus infrastructure.

EDUCATION:

Associate of Applied Science
Computer Aided Drafting,
Pima Community College

PROJECT ROLE:

Electrical Designer

FIRM:

GLHN Architects & Engineers

YEARS WITH FIRM:

8

CURRENT RESIDENCE:

Tucson, AZ

PROJECT EXPERIENCE:

Tucson Convention Center Renovations

City of Tucson, Tucson, AZ

Brandon provided electrical engineering design for improvements to the TCC funded by Rio Nuevo. The scope included the main arena as well as the ground floor lobby and breezeway. Both lighting and power systems were upgraded to be more attractive and functional.

*Reference: Elaine Becherer, Assistant to City Manager
(520) 837-4066 or elaine.becherer@tucsonaz.gov*

On Call Electrical Contract

City of Tucson, Tucson, AZ

Brandon is electrical designer for more than 50 as-needed assignments from the City. Project types include park lighting and electrical safety improvements, upgrades at Tucson Water generators and booster pumps, lighting park and ride lots, and renovations to an assortment of exhibits at the Reid Park Zoo.

*Reference: Robert Just, Project Manager
(520) 837-8037 or robert.just@tucsonaz.gov*

Veterinary Science Building 90 Renovation

University of Arizona, Tucson, AZ

Brandon was electrical designer for renovation of this 60,000 SF building originally built in 1966 and suffering from years of deferred maintenance. GLHN performed a condition assessment of all architectural and MEP systems and is working with the DB team to needed upgrades.

*Reference: Steve Mikitish, Senior Project Manager
(520) 626-6880 or smikitis@email.arizona.edu*



GILBERT ALABADO, AIA

Project Architect

Gilbert has been with GLHN since 1984 and is one of our most respected project managers. His attention to detail and thorough documentation have earned him a loyal client following. Gilbert served as Architectural Job Captain on the \$50+ million University of Arizona Residence Life Building Renewal project that renovated 11 residence halls over an 11 year period. Gilbert's resume also includes significant projects for the City of Tucson including Patrick K. Hardesty Midtown Multi-Service Center and SunTran Administration and Bus Maintenance Facility.

PROJECT EXPERIENCE:

EDUCATION:

Bachelor of Architecture
University of Arizona, 1984

PROJECT ROLE:

Project Architect

FIRM:

GLHN Architects & Engineers

REGISTRATION:

Arizona 57978

YEARS WITH FIRM:

34

CURRENT RESIDENCE:

Tucson, AZ

Arizona Health Sciences Center (UAHS) Building 201

University of Arizona/Banner Health, Tucson, AZ

This fast track project converted 4 floors of a 1970 vintage concrete frame building from outpatient clinics into administrative offices. Design time was 3.5 months and construction time was 3.5 months to meet furniture set-up and move in date. Gilbert was project architect.

Reference: Dana Sylvester, Project Manager

(520) 626-8793 or danas@email.arizona.edu

Veterinary Science Building 90 Renovation

University of Arizona, Tucson, AZ

Gilbert was project architect for renovation of this 60,000 SF building originally built in 1966 and suffering from years of deferred maintenance. GLHN performed a condition assessment of all architectural and MEP systems and is working with the DB team to needed upgrades. Architectural upgrades included improvements to signage, millwork, fixtures and finishes. He was also responsible for meeting current building code standards.

Reference: Steve Mikitish, Senior Project Manager

(520) 626-6880 or smikitis@email.arizona.edu

Residence Life Renewal,

University of Arizona, Tucson, AZ

GLHN worked with Lloyd Construction to complete major renovations to 11 residence halls. All work was completed over summer breaks over the course of 11 years with a total construction cost of \$50M. Old building systems were replaced to extend the useful life of the facilities and interior architectural modifications were made in accordance with updated ADA requirements. Gilbert was architectural job captain for the majority of the residence halls.

Reference: Debra Johnson, Assistant Director, Design

(520) 626-2420 or debraj@email.arizona.edu



TYLER RODRIGUEZ

BIM/CAD Technician

After a successful architecture internship with GLHN, Ty joined the firm full time in 2018 as a BIM/CAD Technician. He has worked on a wide variety of project types including municipal, healthcare, education and residential. While he participates in the conceptual and programmatic phases of the work, Ty particularly enjoys the technical aspects of these projects and focuses on ensuring the details come together correctly. In fact, Ty won a student design competition for MEP integration into design. Working predominantly in REVIT, Ty is also well versed with the Adobe Suite to develop renderings that assist clients and stakeholders in visualization of the completed project. Ty is passionate about the integration of architecture into the natural environment and believes in minimizing the separation between the two through thoughtful design.

EDUCATION:

Bachelor of Science in
Architecture, University of
Arizona, 2018

PROJECT ROLE:

BIM/CAD Technician

FIRM:

GLHN Architects & Engineers

YEARS WITH FIRM:

1

CURRENT RESIDENCE:

Tucson, AZ

PROJECT EXPERIENCE:

Catalina Foothills High School Restoration and Field Improvements Catalina Foothills School District, Tucson, AZ

GLHN is providing a multi-discipline team of architects and engineers to assist the Catalina Foothills School District with the restoration of the Catalina Foothills High School. The scope of work includes interior and exterior improvements including the Music Hall Lobby, Music Hall and Little Theater lighting, library lighting, building re-keying, stadium field renovation or replacement, practice field lighting, ADA access to tennis courts, and stadium bleacher improvements. To avoid impacting students and teachers, all construction is to be completed during summer breaks. Ty is BIM/CAD Technician.

***Reference: Douglas Huie, Director of Facilities and Transportation
(520) 209-8508 or dhuie@cfsd16.org***

College of Pharmacy Renovation and Addition University of Arizona, Tucson, AZ

Based on a concept plan prepared by GLHN, the project entails a two-story addition to the existing building, totaling approximately 19,000 SF of new research lab, support, and office space. The existing building renovations total approximately 12,000 SF and include existing lab, support, and office space. GLHN is the Architect of Record with Shepley Bulfinch as Design Architect. Ty is BIM/CAD Technician.

***Reference: Ralph Banks, Director of Engineering Design and Construction
(520) 621-3326 or rabanks@email.arizona.edu***



PHILIP BLANKENSHIP

United States Construction Manager

With 20 years of industry experience, Phillip has a strong background in the supervision of large, complex projects. He possess an in depth knowledge of building practices and regulatory compliance issues. Phillip has extensive experience in reviewing and evaluating bid documents, estimating costs, providing chart projections and leading cross-functional project teams. He is adept at effectively coordinating activities with responsible parties ensuring scope is kept in check.

EDUCATION:

Associate Degree: Limestone County Vocational Technical School 1997

Major: Building Construction Engineer

PROJECT ROLE:

US Construction Manager

FIRM:

CIMCO Refrigeration, Inc.

YEARS WITH FIRM:

5

CERTIFICATION:

- Blueprint reading. Project cost estimation.
- Residential/Commercial building code compliance.
- USACE Construction Quality Management certification
- OSHA 40-Hour Certified
- Hazwoper 40-Hour Certified
- Twic Card

CURRENT RESIDENCE:

Mobile, AL

PROJECT EXPERIENCE:

Dickies Arena

City of Fort Worth, Fort Worth, TX

14,000 seat multipurpose arena constructed in Fort Worth, TX. CIMCO was involved in the design and construction of this large venue facility with a centralized ammonia/glycol refrigeration system. Philip ensured all project personnel and resources were made available to successfully complete this project.

*Reference: Craig Martin, Superintendent, The Beck Group
(214) 460-4772 or CraigMartin@beckgroup.com*

T-Mobile Arena

AEG and MGM Resorts International, Las Vegas, NV

20,000 seat multipurpose arena used for the NHL's Vegas Golden Knights. CIMCO was involved in the complete design and construction of this 300TR ammonia/glycol refrigeration system. Terry was the onsite construction manager for this project. Philip ensured all project personnel and resources were made available to successfully complete this project.

*Reference: William Deiter, Project Manager Stadium Structure, AECOM
(714) 940-9002 or william.deiter@aecom.com*

City National Arena

Vegas Golden Knights, Las Vegas, NV

CIMCO was the refrigeration design lead on this design-build project for the Vegas Golden Knights practice facility. This is a centralized ammonia/glycol system where the cooling plant is also used for heating and cooling the ice rink outside of the rink area. Terry was the onsite construction manager for this project. Philip ensured all project personnel and resources were made available to successfully complete this project.

*Reference: Darren Gillett, President, Gillett Construction LLC
(702) 795-3398 or dgillett@gillettconstruction.com*



TERRY NORRIS

Ice Rink Site Construction Supervisor

Terry joined CIMCO Refrigeration, Inc. in 2008 and has been one of our most reliable and become one of our most experienced ice rink construction supervisors during his time. Terry reports directly to Ben Blankenship in all of the day to day site activities, ensures the engineered design is being installed properly and oversees the activities of all of our subcontractors. Terry has been involved in some of CIMCO's more complex designs as a site supervisor and is well trained on all of our most current technologies

PROJECT EXPERIENCE:

PROJECT ROLE:

Ice Rink Site Construction Supervisor

FIRM:

CIMCO Refrigeration, Inc.

YEARS WITH FIRM:

10

CURRENT RESIDENCE:

Mobile, AL

Dickies Arena

City of Fort Worth, Fort Worth, TX

14,000 seat multipurpose arena constructed in Fort Worth, TX. CIMCO was involved in the design and construction of this large venue facility with a centralized ammonia/glycol refrigeration system. Philip ensured all project personnel and resources were made available to successfully complete this project.

***Reference: Craig Martin, Superintendent, The Beck Group
(214) 460-4772 or CraigMartin@beckgroup.com***

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(714) 940-9002 or william.deiter@aecom.com***

City National Arena

Vegas Golden Knights, Las Vegas, NV

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***Reference: Darren Gillett, President, Gillett Construction LLC
(702) 795-3398 or dgillett@gillettconstruction.com***



DREW PERRYMAN

Account Manager, USA Recreation Projects

Drew joined CIMCO Refrigeration, Inc. in 2011 and worked with our service ice rink clients to develop preventive maintenance schedules, capital equipment replacement and service agreements. Since 2014, Drew has been with CIMCO's capital ice rink projects group in the United States, working with General Contractors, Consultants, Suppliers and End-Users to develop new construction ice rinks, R22 replacement plans and major capital replacements for ice rink floors and refrigeration systems all over the United States.

PROJECT EXPERIENCE:

EDUCATION:

Business and Marketing Major

PROJECT ROLE:

Account Manager, USA Recreation Projects

FIRM:

CIMCO Refrigeration, Inc.

YEARS WITH FIRM:

8

CURRENT RESIDENCE:

Toronto, Ontario, Canada

Dickies Arena

City of Fort Worth, Fort Worth, TX

14,000 seat multipurpose arena constructed in Fort Worth, TX. CIMCO was involved in the design and construction of this large venue facility with a centralized ammonia/glycol refrigeration system. Philip ensured all project personnel and resources were made available to successfully complete this project.

***Reference: Craig Martin, Superintendent, The Beck Group
(214) 460-4772 or CraigMartin@beckgroup.com***

T-Mobile Arena

AEG and MGM Resorts International, Las Vegas, NV

20,000 seat multipurpose arena used for the NHL's Vegas Golden Knights. CIMCO was involved in the complete design and construction of this 300TR ammonia/glycol refrigeration system. Terry was the onsite construction manager for this project. Philip ensured all project personnel and resources were made available to successfully complete this project.

***Reference: William Deiter, Project Manager Stadium Structure, AECOM
(714) 940-9002 or william.deiter@aecom.com***

City National Arena

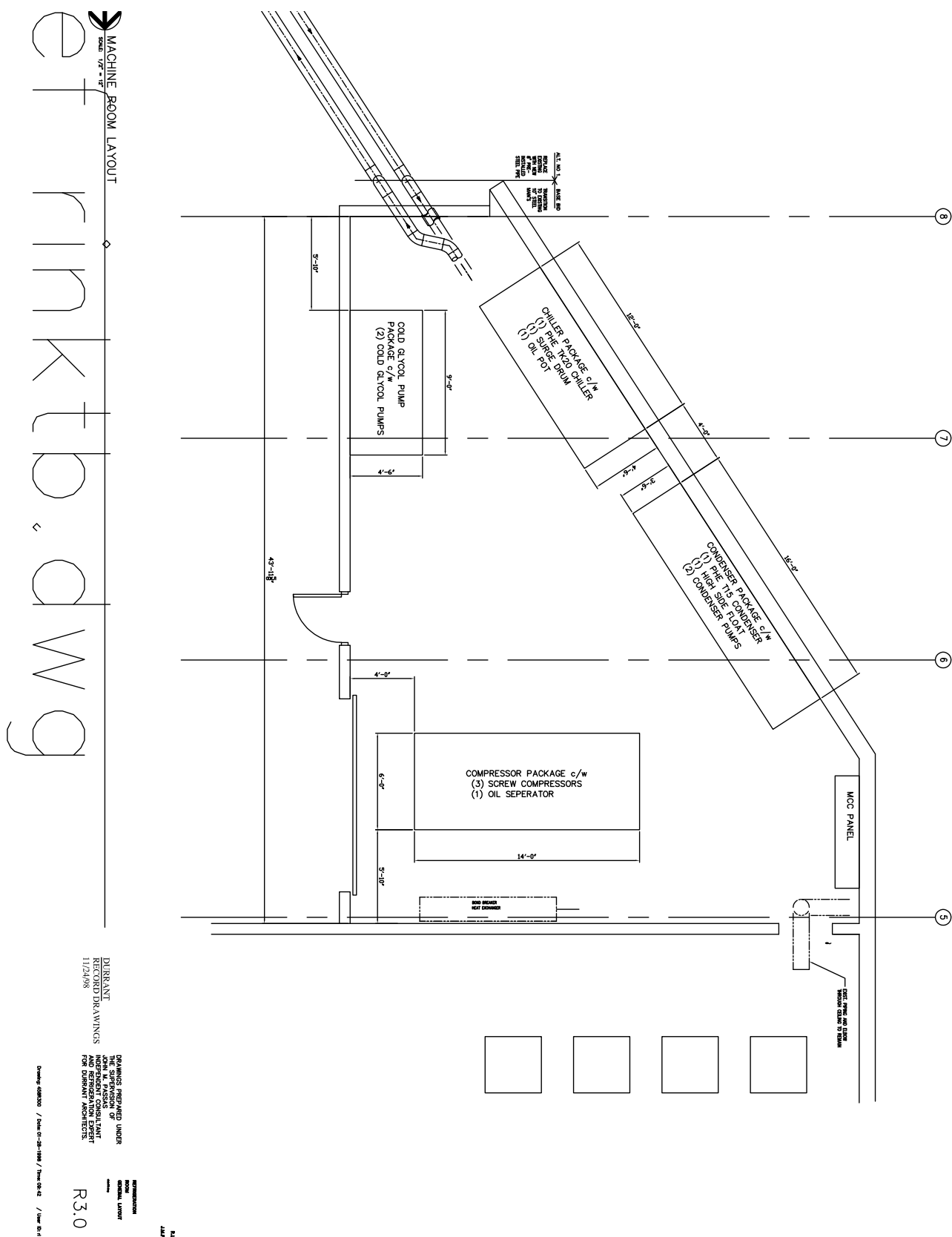
Vegas Golden Knights, Las Vegas, NV

CIMCO was the refrigeration design lead on this design-build project for the Vegas Golden Knights practice facility. This is a centralized ammonia/glycol system where the cooling plant is also used for heating and cooling the ice rink outside of the rink area. Terry was the onsite construction manager for this project. Philip ensured all project personnel and resources were made available to successfully complete this project.

***Reference: Darren Gillett, President, Gillett Construction LLC
(702) 795-3398 or dgillett@gillettconstruction.com***

(3) Include diagram(s)/drawing(s) of how you envision the final Project will look.

Please see the diagram below for how we envision the final layout.





APPENDIX

(4) Include a list of all of the major items of equipment including, but not limited to, the refrigeration equipment.

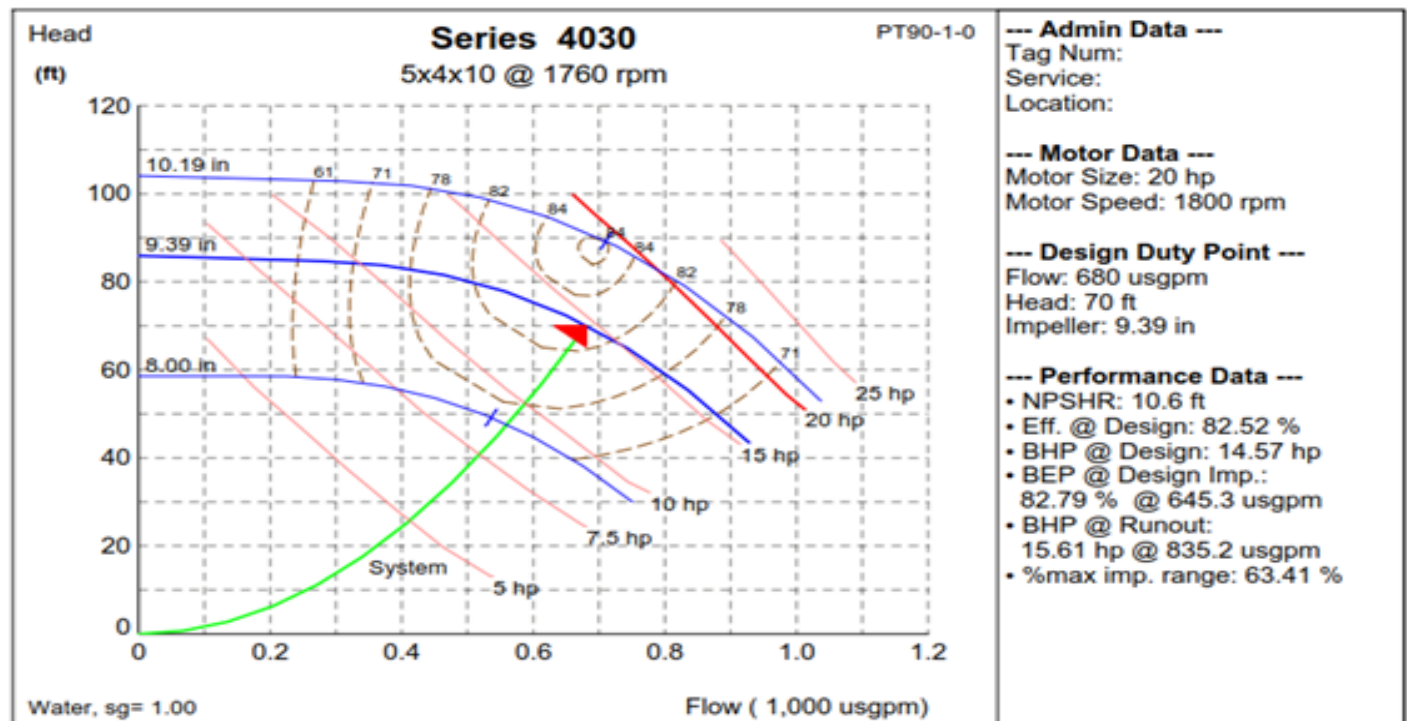
The following pages list major equipment proposed for installation, along with product information. **Note: The equipment below is to establish a baseline, this is approximate and will be verified by our mechanical engineer assigned to this design-build project.*

- **Brine Pump (x 2) one for 100% redundancy**
Armstrong 4030-6x5x11.5- 40HP
1937 USGPM

10	210	7.71	2	2	B	4030-6x5x11.5-30	10.39	30	2120
					B	4030-6x5x11.5-30	10.39	30	
11	210	7.71	2	2	A	4030-6x5x11.5-25	9.78	25	2120
					C	4030-6x5x11.5-40	11.37	40	
12	210	7.71	3	3	A	4030-6x5x11.5-25	9.78	25	2120
					A	4030-6x5x11.5-25	9.78	25	
					A	4030-6x5x11.5-25	9.78	25	

- **Condenser water pump (x 2) one for 100% redundancy**

ARMSTRONG Series 4030 5x4x10 Centerline Disc. End Suction Basemounted Pump





APPENDIX

- Screw compressors x 3 69.7 TR each to match existing system capacity

PERFORMANCE SINGLE STAGE (BOOSTER)

MODEL : i160S-M

REFRIGERANT : AMMONIA

RECOMMENDED PORT :		M
BOOSTER :		N
COMPRESSION RATIO :	[-]	6,49
CAPACITY :	[kBTU/H]	835,8
CAPACITY :	[TR]	69,7
ABSORBED POWER :	[HP]	117,7

DRIVE SHAFT SPEED :	[rpm]	3550
COMPRESSOR SPEED :	[rpm]	3550
INDICATOR POSITION :	[%]	100
CONDENSING TEMP. :	[F]	100
EVAPORATIVE TEMP. :	[F]	3,00
SUCTION SUPERHEAT :	[F]	0,00
LIQUID SUBCOOLING :	[F]	0,00
SUCTION TEMP. :	[F]	3,00
OIL SUPPLY TEMP. :	[F]	122
SUCTION PRESS. :	[PSIA]	32,7
DISCHARGE PRESS. :	[PSIA]	212
OIL SUPPLY PRESS. :	[PSIA]	212
SUCTION PRES. DROP :	[PSI]	0,0
DISCHARGE PRES. DROP :	[PSI]	0,0

- Shell and tube water cooled condenser

Heat Exchanger Specification Sheet

1	Design By: CIMCO Division of Toromont Industries Ltd.					Our Reference: 19TM004			
2	For: CIMCO Manufacturing		Your Reference: Tucson						
3	Service: Ammonia Water Cooled Condenser								
4	Item No.: TBA								
5	Rev. No.: 0A [5F Approach]								
6	Size	24--168	in	Type	BEM	Hor	Connected in	1 parallel	1 series
7	Surf/unit(eff.)	1334.7	ft²	Shells/unit	1		Surf/shell (eff.)	1334.7	ft²
8	PERFORMANCE OF ONE UNIT								
9	Fluid allocation			Shell Side			Tube Side		
10	Fluid name			Ammonia			Water		
11	Fluid quantity, Total			lb/h			7911		
12	Vapor (In/Out)			lb/h			7911		
13	Liquid			lb/h			0		
14	Noncondensable			lb/h			0		
15									
16	Temperature (In/Out)			°F			95		
17	Dew / Bubble point			°F			95		
18	Density Vapor/Liquid			lb/ft³			0.611 /		
19	Viscosity			cp			0.0105 /		
20	Molecular wt, Vap						17.03		
21	Molecular wt, NC								
22	Specific heat			BTU/(lb F)			0.6161 /		
23	Thermal conductivity			BTU/(ft h F)			0.018 /		
24	Latent heat			BTU/lb			483.9		
25	Pressure (abs)			psi			193.39		
26	Velocity			ft/s			7.34		
27	Pressure drop, allow./calc.			psi			1		
28	Fouling resistance (min)			ft² h F/BTU			0.0005		
29	Heat exchanged			BTU/h			3829586		
30	Transfer rate, Service			Dirty			354.85		
31				Clean			583.7		
32									
33									
34									
35									
36									
37									
38									
39									
40	Tube No. 494			OD 0.75			Tks-Avg 0.065		
41				in			Length 14		
42							ft Pitch 0.9062		
43							in		
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									



APPENDIX

- Flooded ammonia / CaCl chiller

Quotation Ref. CASC0AA-2495, US rink

Semi Welded Plate Heat Exchanger Technical Specification



NOTE: If the application is refrigeration, ring gasket material stated below must be checked for compatibility with compressor oil that is intended to be used.

Customer: Cimco Refrigeration
Item: 210 TR chiller
Model: TK20BW-FD

	Hot Side	Cold Side
Fluid	21.0% CaCl ₂	Ammonia
Mass flow rate	lb/h 1167000 (1937 GPM)	5966
Fluid condensed/evaporated	lb/h	4474
Inlet temperature	°F 16.0	4.0
Outlet temperature	°F 13.0	4.0
Operating pressure (in/out)	psia	33.6/33.2
Pressure drop	psi 15.0	0.440
Velocity Connection (In/Out)	ft/s 12.8/12.8	0.120/31.6
Heat exchanged	kBtu/h 2520	
Mean Temperature Difference	°F 10.4	
Heat transfer coefficient (clean/service)	Btu/ft ² ·h, °F 541.9/349.1	
Relative direction of fluids	Cocurrent	
Number of passes	1	1
Number of plates	156	
Extension capacity	10	
Plate material / thickness	Ti / 0.60 mm	
Sealing material	NBRP ClipGrip™	Welded
Ring gasket		CR Clip-on
Connection liner material	Titanium	Titanium
Connection diameter	in 8	8
Nozzle orientation	S2 -> S1	S3 -> S4
Pressure vessel code	ASME	
Design pressure	psi 150.0	250.0
Test pressure	psi 195.0	325.0
Design temperature (max/min)	°F 120.0/-0.0	120.0/-0.0
Overall length x width x height	in 61 x 31 x 60	
Liquid volume	ft ³ 3.8	3.9
Net weight, empty / operating / flooded	lb 3140 / 3460 / 3580	



APPENDIX

(2) List all Arizona projects, whether completed, ongoing, or selected, but not yet under contract, where the Vendor/ team provided either builder in a design-build project, construction manager at risk or general construction services in the last three years.

Below is a table listing all 45 projects that Lloyd Construction was the builder in a design-build project, the construction manager at risk or the general contractor over the last three years.

Project Name	Contract Type	Status	Project Name	Contract Type	Status
Benson K-4 Addition	GC	Selected	911 Call Center	CMAR	Selected
USO Fort Huachuca TI	GC	Selected	The Oasis Bird Sanctuary	GC	Ongoing
Holiday Inn Remodel	GC	Ongoing	UA Deferred Maintenance Bldg 90	DB	Ongoing
Oro Valley Police Department	GC	Ongoing	El Rio South East II Medical Center	CMAR	Ongoing
Monier Apartments	GC	Ongoing	Oro Valley Veterinary Medicine Facility	CMAR	Ongoing
UAHS Bldg 201 - Phase II	DB	Ongoing	Esmond Station Addition	CMAR	Completed
Tucson Ear Nose & Throat Westside Clinic	GC	Completed	Costa Vida Restaurant (Broadway) – TI	GC	Completed
Sierra Cycles	GC	Completed	Copper Queen Community Hospital – Free Standing Emergency Dpt	GC	Completed
UAHS Bldg 201	DB	Completed	Truly Nolen – Phase II, Bldg 432	GC	Completed
Candlewood Suites – TI	GC	Completed	Mission Gardens	CMAR	Completed
Reid Park Zoo Animal Health Center	CMAR	Completed	Handmaker Renovations Phase II	DB	Completed
Pima Air & Space Museum Restoration Hangar Canopy Addition	GC	Completed	Copper Ridge Elementary School	CMAR	Completed
AC Tucson Downtown Hotel	DB	Completed	McClelland Hall Additions	CMAR	Completed
El Corredor Retail Pad #4	GC	Completed	Andrada Polytechnic Expansion & Renovation	CMAR	Completed
Kappa Kappa Gamma House	GC	Completed	Residence Life – Yavapai Hall Renovation	GC	Completed
UA Student Recreation Center-Locker Room Renovation	CMAR	Completed	Truly Nolen – Phase 1, Corporate Headquarters	GC	Completed
Maricopa Hall – UA	GC	Completed	Handmaker Adult Daycare Facility	CMAR	Completed
Salvation Army – New Hospitality House	CMAR	Completed	Department of Child Safety	GC	Completed
Tucson Botanical Gardens – Mixed Use Small Campus	GC	Completed	Oschmann Employee Screening Services – TI Relocation	GC	Completed
Copper Queen Hospital – Hospital Addition	GC	Completed	Vail Christian Church – New Church	CMAR	Completed
Costa Vida Restaurant (Campbell) – TI	GC	Completed	Ventana Medical Systems – Combined Projects	GC	Completed
Johns Manville – Combined Projects	GC	Completed	Amphitheater Public School – Keeling Bus Bay	GC	Completed
TMC Cooling Tower – Phase 2	CMAR	Completed			



APPENDIX

(3) Describe the Vendor's experience in the construction of ice rink refrigeration systems.

Below is a list of CIMCO's NHL Arena Projects

NHL Arena	Location	Team
<i>Gila River Arena</i>	<i>Glendale, Arizona</i>	<i>Arizona Coyotes</i>
TD Garden	Boston, Massachusetts	Boston Bruins
KeyBank Center	Buffalo, New York	Buffalo Sabres
Scotiabank Saddledome	Calgary, Alberta	Calgary Flames
PNC Arena	Raleigh, North Carolina	Carolina Hurricanes
United Center	Chicago, Illinois	Chicago Blackhawks
Nationwide Arena	Columbus, Ohio	Columbus Blue Jackets
American Airlines Center	Dallas, Texas	Dallas Stars
Little Caesars Arena	Detroit, Michigan	Detroit Red Wings
Rogers Place	Edmonton, Alberta	Edmonton Oilers
BB&T Center	Sunrise, Florida	Florida Panthers
Staples Center	Los Angeles, California	Los Angeles Kings
Xcel Energy Center	Saint Paul, Minnesota	Minnesota Wild
Bell Centre	Montreal, Quebec	Montreal Canadiens
Prudential Center	Newark, New Jersey	New Jersey Devils
Barclays Center	Brooklyn, New York	New York Islanders
Canadian Tire Center	Ottawa, Ontario	Ottawa Senators
Wells Fargo Center	Philadelphia, Pennsylvania	Philadelphia Flyers
Enterprise Center	St. Louis, Missouri	St. Louis Blues
Scotiabank Arena	Toronto, Ontario	Toronto Maple Leafs
Rogers Arena	Vancouver, British Columbia	Vancouver Canucks
T-Mobile Arena	Paradise, Nevada	Vegas Golden Knights
Bell MTS Place	Winnipeg, Manitoba	Winnipeg Jets

Please see additional projects on the following page.



APPENDIX

Below is a partial list of CIMCO's Multipurpose Arena Projects. We also have dozens of University & College Ice Rinks, Major Interanational IceRinks and Community & Practice Ice Rinks

Multi-Purpose Arenas	Seats	Multi-Purpose Arenas	Seats
AMWAY CENTER NBA ORLANDO FL 240TR NH3	NEW 18000 Seats	JACKSONVILLE COLISEUM JACKSONVILLE FL 210TR R22	RETROFIT 10000 Seats
COX ARENA OKLAHOMA OK 300TR NH3	RETROFIT 16000 Seats	MOBILE CIVIC CENTER MOBILE AL 210TR R22	RETROFIT 10000 Seats
CEDAR PARK EVENT CENTER CEDAR PARK TX 216TR R22	NEW 11000 Seats	THE CAJUN DOME LAFAYETTE LA 210TR NH3	RETROFIT 11000 Seats
ALLEN EVENT CENTER ALLEN TX 288TR NH3	NEW 6000 Seats	LONG BEACH ARENA (GAS EN- GINES) LONG BEACH CA 210TR Nat, Gas	RETRO- FIT-12000-Seats
INDEPENDENCE EVENT CENTER INDEPENDENCE MO 278TR NH3	NEW 8000 Seats	PENSACOLA CIVIC CENTER PEN- SACOLA FL 210TR-R22	RETROFIT 8000 Seats
SEDGWICK COUNTY ARENA WICHITA KS 210TR NH3	RETROFIT 11000 Seats	IRVING J NUTTER CENTER DAY- TON OH 210TR NH3	RETROFIT 9000 Seats
CITIZENS BANK ARENA ONTARIO CA 230TR R22	NEW 8000 Seats	MISSISSIPPI COAST COLISEUM BILOXI MS 210TR-R22	RETROFIT 8000 Seats
TULSA ARENA TULSA OK 210TR R22	NEW 16000 Seats	ALAMEDA COUNTY COLISEUM OAKLAND CA 240TR-R22	RETROFI 18000 Seats
ALLENTOWN ARENA ALLENTOWN PA 210TR NH3	NEW-11,000- SEATS	BALTIMORE ARENA BALTIMORE MD 240TR-R22	RETROFIT 16000 Seats
SIOUX FALLS SD ARENA SIOUX FALLS SD 210TR NH3	NEW 9,000 SEATS	COMPAQ CENTER HOUSTON TX 240TR-R22	RETROFIT 18000 Seats
PEPSI CENTER I NDIANAPOLIS IN 270TR NH3	NEW/85X200 RET- ROFIT	AUGUSTA-RICHMOND CT. COLISEUM AUGUSTA GA 210TR-R22	RETROFIT 10000 Seats
FULTON ARENA CORPUS CHRISTI TX 210TR NH3	NEW 10000 Seats	LONDON ARENA LONDON ENGLAND	RETROFIT
STOCKTON ARENA STOCKTON CA 220TR R22	NEW 8000 Seats	THE KOHL CENTER MADISON WI 210TR-R22	NEW 15000 Seats
ORLEANS ARENA LAS VEGAS NV 220TR R22	RETROFIT 18000 Seats	BI-LO CENTER GREENVILLE SC 210TR- R22	NEW 14000 Seats
RIO RANCHO ARENA RIO RANCH NM 210TR R22	NEW 4000 Seats	NORTH CHARLESTON COLISEUM N. CHARLESTON SC 210TR-R22	RETROFIT 10000 Seats
TIM'S TOYOTA CENTER PRESCOTT VALLEY AZ 210TR NH3	NEW 4000 Seats	CUMBERLAND COUNTY COLISEUM FAYETTEVILLE NC 210TR-R22	NEW 10000 Seats
ROSEMOUNT HORIZON CENTER CHICAGO ILL 210TR R22	RETRO-FIT-16000- Seats	ST CHARLES FAMILY ARENA ST CHARLES MO 210TR-R22	NEW 8000 Seats
TALLAHASSEE CIVIC CENTER TALLAHASSEE FL 210TR R22	RETROFIT 12000 Seats	FORD CENTER OKLAHOMA CITY 300TR-R22	NEW 18000 Seats
THE LAKELAND CENTER LAKELAND FL 210TR NH3	RETROFIT 10000 Seats	SAVE MART CENTER FRESNO CA 211TR-R22	NEW 16500 Seats



ARCHITECTS & ENGINEERS, INC
2939 E Broadway Blvd
Tucson, AZ 85716
520.881.4546
www.glhn.com



CONSTRUCTION COMPANY, INC.
2180 N. Wilmot Rd.
Tucson, AZ 85712
520.884.9821
www.lloydconstruction.com



2502 Commercial Park Drive
Mobile, AL 36606
800.267.1418
www.cimcorefrigeration.com

EXHIBIT G
TO
DESIGN - BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY

[Subcontractor Selection Program]

See following pages.

EXHIBIT H
TO
DESIGN - BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY

[Allowable General Conditions Cost Line Items]

See following pages.

ALLOWABLE GENERAL CONDITIONS COST LINE ITEMS

On-Site Project Management Staff

- Safety Coordinator/Assistant(s)
- Project Executive
- Office Engineer(s)
- Project Expeditor(s)
- Assistant Superintendent(s)

- CPM Scheduler
- Superintendent(s)
- Project Manager(s)
- Project Support Staff
- Out-of-State Project Specific Travel*

Bonds and Insurance

- Builder's Risk Insurance
- General Liability Insurance
- Payment and Performance Bonds
- Other Project Insurance as Required by Contract

Temporary Project Utilities

- Non-LEED Recycling Dumpsters
- Project Electricity
- Monthly Telephone / Internet Service
- Intentionally Omitted
- Fencing and Covered Walkways
- Site Erosion Control (BMP) and Project Entrance(s)

- Temporary Toilets
- Temporary Fire Protection
- Telephone / Internet System Installation
- Temporary Water Distribution and Meters
- Temporary Electrical Distribution and Meters
- Project Water, Ice and Supplements to Prevent Dehydration

Field Offices & Office Supplies

- Partnering Costs
- Job Photos/Videos
- Project Specific Signage
- Postage/Special Shipping
- Project/As-Built (Record) Drawings
- Project Milestone Event(s)*
- Move-In/Out and Office Setup
- Employee Identification System
- Small Tools and Storage Trailers
- Monthly Office Trailer Rental Costs
- Mobilization and Demobilization (Equipment Only)

- First Aid Supplies
- Reproduction Services
- Monthly Office Supplies
- Remote Parking Expenses
- Project Reference Manuals
- Security System/Watchman
- Safety Material and Equipment
- Drinking Water and Accessories (Including Ice)
- Office Clean-Up/Janitorial Services
- Field Engineering

* Specific justification and all estimated costs shall be submitted and approved by the District prior to any travel or event.

EXHIBIT I
TO
DESIGN - BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY

[Pre-Construction Cost Summary]

See following pages.



CONSTRUCTION COMPANY, INC.

January 31, 2019

Mr. Mark Collins
Gust Rosenfeld P.L.C.
One South Church Avenue, Suite 1900
Tucson, AZ 85701-1627
mcollins@gustlaw.com

Re: **Project No. RN TCC 2018-12-19**

*Rio Nuevo Tucson Convention Center Ice Rink Refrigeration System Renovation Design Build
Preconstruction Proposal*

Dear Mr. Collins,

Lloyd Construction Company, Inc. and our partners GLHN Architects and Engineers and CIMO Refrigeration thank you and selection committee for your vote of confidence in selecting us as the Design-Build Team to be part of this exciting and important project. In accordance with the Standard form of Agreement between Owner and Design-Builder we hereby submit our fee proposal for professional services.

Lloyd Preconstruction Services	\$21,598.96
Design Services Fee	\$93,978.10

Total Professional Services Preconstruction/Design: \$115,577.06

Pre- Construction Phase scope: Programing verification, conceptual design, schematic design, and construction documentation of the mutually- agreed design solution; site surveying, constructability reviews, building system review and recommendation, construction scheduling, cost estimating, value engineering, recommendations for efficient project delivery, prequalify and solicit subcontractors, and preparation of a Guaranteed Maximum Price (GMP).

Please feel free to contact me should you have any questions at 520.903.7600 or paul@lloydconstruction.com. Thank you again for the opportunity to submit our pre-construction services proposal on this project.

Respectfully,

A handwritten signature in blue ink, appearing to read 'P. Pena', with a stylized flourish at the end.

Paul Pena, Director, Lloyd Construction

ec: Brad Lloyd, Principal in Charge

2180 N. WILMOT ROAD
P.O. BOX 30190
TUCSON, AZ 85751
T (520) 884-9821
F 884-1761
www.lloydconstruction.com

ROC073113A
ROC073114B-01



Rio Nuevo

Tucson Convention Center Ice Rink Refrigeration System Renovation Design Build RN TCC 2018-12-19

	Units	Rate	Total	Break Outs
Professional Services: Preconstruction Fee				
Schematic Design- Project kickoff, Design Build meetings as needed, review and define scope, meet with project stake holders, begin project management plan, review design issues, material selections, create initial estimate, create initial schedule. Includes design service fee for programming, conceptual design, and schematic design.				
Project Management				
Lead P.M.-Paul Pena	25	\$ 77.84	\$ 1,946.00	
Constructability review-Tim Shute	5	\$ 76.01	\$ 380.05	
Field Investigations- Tim Shute/Paul Pena	5	\$ 72.82	\$ 364.10	
				\$ 2,690.15
Estimating				
Estimator-Paul Pena	20	\$ 79.01	\$ 1,580.20	
Consultants-				\$ 1,580.20
Clerical/Office				
Clerical-processing	4	\$ 33.42	\$ 133.68	
Internal reproductions-Lump Sum	1	\$ 750.00	\$ 750.00	
Meeting coordination	4	\$ 30.00	\$ 120.00	
				\$ 1,003.68
				\$ 5,274.03

Design Development- Bi weekly Design Build meetings, side meetings to review specific issues or design assist items, update project management plan, update estimate, update schedule, constructability reviews, identify material issues or details, refine scope. Includes design service fee for Design Development.				
Project Management				
Lead P.M.-Paul Pena	30	\$ 77.84	\$ 2,335.20	
Constructability review-Tim Shute	10	\$ 76.01	\$ 760.10	
Field Investigations- Tim Shute/Paul Pena	5	\$ 72.82	\$ 364.10	
				\$ 3,459.40
Estimating				
Estimator-Paul Pena	35	\$ 79.01	\$ 2,765.35	
Consultants-				\$ 2,765.35
Clerical/Office				
Clerical-processing	2	\$ 33.42	\$ 66.84	
Internal reproductions-Lump Sum	1	\$ 750.00	\$ 750.00	
Meeting coordination	6	\$ 30.00	\$ 180.00	
				\$ 996.84
				\$ 7,221.59

Construction Documents- Bi-weekly Design Build meetings, review and develop current documents, refine project management plan, side meetings to review specific issues or design assist items, update estimate, update schedule, constructability reviews, subcontractor bid list, develop scope abstracts. Solicit proposals, meet with subcontractors, refine and issue scope abstracts, qualify all bids, assemble GMP documents, review with team. Includes Design fee for GMP setting.				
Project Management				
Lead P.M.-Paul Pena	30	\$ 77.84	\$ 2,335.20	
Constructability review-Tim Shute	10	\$ 76.01	\$ 760.10	
Field Investigations- Tim Shute/Paul Pena	5	\$ 72.82	\$ 364.10	
				\$ 3,459.40
Estimating				
Estimator-Paul Pena	40	\$ 79.01	\$ 3,160.40	
Consultants-				\$ 3,160.40
Clerical/Office				
Clerical-processing	6	\$ 33.42	\$ 200.52	
Internal reproductions-Lump Sum	1	\$ 750.00	\$ 750.00	
Meeting coordination	4	\$ 30.00	\$ 120.00	
				\$ 1,070.52
				\$ 7,690.32
			Subtotal	\$ 20,185.94
			Lloyd Construction Fee (7%)	\$ 1,413.02
			Subtotal Preconstruction Fee	\$ 21,598.96

Design Professionals and Consultants

Design Professional and Consultants				
GLHN	1	\$ 35,520.00	\$ 35,520.00	
CIMO	1	\$ 30,000.00	\$ 30,000.00	
				\$ 65,520.00
Construction Administration				
GLHN	1	\$ 22,310.00	\$ 22,310.00	
				\$ 22,310.00
			Subtotal	\$ 87,830.00
			Lloyd Construction Fee (7%)	\$ 6,148.10
			Subtotal Design Services fee	\$ 93,978.10

Total Design Build Preconstruction Fee \$ 115,577.06

AN ESOP COMPANY

BRIAN G. HAGEDON, AIA
HENRY W. JOHNSTONE, PE
JOHN C. MCGANN, PE
THEODORE C. MOELLER, PE
ROBERT M. LAMB, PE
R. DOUGLAS STINGELIN, PE

January 31, 2019

LLOYD CONSTRUCTION COMPANY, INC.
2180 N. Wilmont Road
Tucson, AZ 85712

Attention: Paul Pena

Reference: Tucson Convention Center Ice Rink Refrigeration System Renovation
Design Build
GLHN #19011.00

Subject: Design and Construction Administration Services Fee Proposal

Dear Paul,

Below is the scope of work and associated fees that **GLHN** Architects & Engineers, Inc. (**GLHN**) proposes for the Rio Nuevo TCC Ice Rink Refrigeration System Renovation project. It is our understanding that **GLHN**, Lloyd Construction, and CIMCO will be partners in this Design Build project with Lloyd Construction being the contract holder. The specific scopes of work are identified within the Rio Nuevo RFQ document, pages 14 through 24 of 122. We understand that the scope of work is somewhat flexible but the major **GLHN** items include:

- A. Review existing as-built documentation and perform site investigation.
 - a. It is assumed that as-built documentation in the form of PDFs or DWG files are available and will be provided to **GLHN** for utilization in this project.
 - b. Onsite investigation by **GLHN** Architectural, Mechanical and Electrical disciplines will be required to verify relevant as-built documentation and obtain any necessary field data.
 - c. Review of the existing machinery room construction will occur and determination of any code driven improvements will be made and incorporated into the construction documents.
- B. Provide Architectural, Mechanical, and Electrical demolition and new design drawings with sheet specifications.
 - a. **GLHN** will work with CIMCO Refrigeration to provide a design for the new Ice Rink and refrigeration equipment serving the rink.
 - b. **GLHN** will incorporate CIMCO Refrigeration's details into an overall package of design documents sealed by registrants of the State of Arizona.
 - c. The RFQ Scoping document will be utilized as a guide. Any deviations will be vetted with the team.
 - d. A new electrical MCC will be designed to serve the loads of the new equipment.
 - e. All design will be in accordance with the 2018 series of International Codes with COT Amendments, 2017 National Electric Code, and good engineering practices.
 - f. The RFQ document provide by Rio Nuevo identifies a series of submittals, in 30% increments. To meet the accelerated project schedule, **GLHN** proposes an immediate jump to a 75% design drawing and specification package for

review and comment by all team members. It is anticipated that this design will be completed per the team proposal schedule of mid-March 2019.

- g. Once comments are received, a 100% final package will be provided. It is anticipated that the final design will be completed per the team proposal schedule of mid-April 2019.

C. Construction Administration Services.

- a. A walkthrough of the sealed plans at the City of Tucson Plan check.
- b. Integration of any City of Tucson building permit comments.
- c. Interpret design documents and issue modifications as necessary.
- d. Review of contractor provided construction submittals.
- e. Review and resolution of any contractor Requests for Information.
- f. Assistance in the resolution of design and construction issues.
- g. **GLHN** will provide representation for weekly onsite construction meetings during the construction period. It is anticipated that this duration will be approximately 16 weeks. Periodic Field Observation Reports will be issued.
- h. (1) Onsite visit for the preparation of a punch list.
- i. Provide record As-Built Documents based upon contractor's redline record set.

Proposed Scope of Work Fee

To accomplish the proposed scope of work, the following fees will be required.

Design Services.....	\$35,520
Construction Administration Services.....	<u>\$22,310</u>
Total GLHN Fees.....	\$57,830

Monthly invoices will be submitted to Lloyd Construction corresponding to the work completed to date.

Exclusions and Assumptions:

- All design drawings will be in AutoCAD 2-D format.
- All design submittals to Lloyd Construction will be provided in electronic format only. Paper copies can be provided at additional cost.
- Project will not be certified/rated by LEED or other agency and basic services do not include calculations & documentation for LEED or other similar programs – no report generation will be required.
- Modifications to any mechanical or electrical equipment located within or associated with the TCC Central Plant (adjacent building to the refrigeration machinery room) other than connections to the new equipment is specifically excluded from this scope of work.
- It is assumed that the new refrigeration equipment is similar in size and weight as the existing equipment to be demolished. Structural modifications to the existing equipment pads is specifically excluded from this scope of work.
- It is assumed that the new brine piping that runs between the refrigeration machinery room and the Arena will be of similar size and weight as the existing to be demolished and analysis of the structure is excluded from this scope of work.
- Adequate electrical service is available to accommodate the proposed new equipment. Any major electrical upgrades other than what is identified within the RFQ Scope of Work, are excluded from this proposal.
- Any costs associated with fees including permit fees, plan review costs, special inspections, test and balance, etc. are specifically excluded.
- Commissioning Services are excluded.

- Structural/Civil engineering, low voltage technology, and fire alarm/suppression are specifically excluded from the scope of work.

Should a condition arise that requires scope other than described above, additional services fees would be required.

Please do not hesitate to call with questions or concerns. We appreciate this opportunity to once again work with Lloyd Construction.

Sincerely,

GLHN Architects & Engineers, Inc.



Bill Koller, P.E., CEM, CBCP
Department Manager
Mechanical Engineering
bkoller@glhn.com



Visit us at: www.cimcorefrigeration.com

January 30th, 2019

Paul Pena, Director of Preconstruction Services

Lloyd Construction Company Inc.

2180 N. Wilmot Road

PO Box 30190

Tucson, AZ

85751

RE: Tucson Convention Center / Rio Nuevo Project – Preconstruction / GMP development costs

Mr. Pena,

CIMCO Refrigeration, Inc. (CIMCO) is pleased to submit the following pricing for preconstruction services and GMP development for the Tucson Convention Center / Rio Nuevo Project per "Article #2 in original RFQ document".

Scope of services:

- Develop complete project GMP based on specifications provided in original RFQ
- Provide detailed submittals on major equipment
- Develop ice system drawings to the point of permitting
- Coordinating as-built drawings with GLHN when they time comes

Scope not included (will be part of equipment and installation finalized numbers later in the process):

- Engineering time related to site meetings (site supervision and quality assurance)
- Engineering quality assurance during package production
- Engineering time and resources to order and coordinate other equipment in the scope
- Engineering time to coordinate and answer any questions throughout installation

Proposed pricing: \$30,000 USD

Once CIMCO has the authority to move forward with engineering, one of our engineering team members will be assigned to this project and an internal CIMCO kick off meeting will occur before introducing them to the Lloyd Construction / GLHN project team.

We look forward to working with Lloyd Construction Company Inc. on this exciting project. If any further information is required, please don't hesitate to contact me directly at the details below:

Drew Perryman – Project Account Manager (Cimco Refrigeration, Inc.)

616-745-6473 / dperryman@toromont.com

Tel: (251) 471-2425 • Fax: (251) 476-7337

EXHIBIT J
TO
DESIGN - BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY

[Performance Bond]

See following page.

PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS:

THAT, _____ (hereinafter called Principal), as Principal, and _____, a corporation organized and existing under the laws of the State of _____, with its principal office in the District of _____ (hereinafter called the Surety), as Surety, are held and firmly bound unto the Rio Nuevo Multipurpose Facilities District (hereinafter called the Obligee) in the amount of _____ (Dollars) (\$ _____), for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written Contract with the Obligee, dated the _____ day of _____ 20____, for the material, service or construction described as _____ is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal faithfully performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of the Contract during the original term of the Contract and any extension of the Contract, with or without notice to the Surety, and during the life of any guaranty required under the Contract, and also performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of all duly authorized modifications of the Contract that may hereafter be made, notice of which modifications to the surety being hereby waived, the above obligation is void. Otherwise it remains in full force and effect.

PROVIDED, however, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the extent as if it were copied at length in this agreement.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the Court.

Witness our hands this _____ day of _____ 20____.

Principal Seal

By: _____

Surety Seal

By: _____

Agency of Record

EXHIBIT K
TO
DESIGN - BUILD AGREEMENT
BETWEEN
RIO NUEVO MULTIPURPOSE FACILITIES DISTRICT
AND
LLOYD CONSTRUCTION COMPANY

[Payment Bond]

See following page.

PAYMENT BOND

KNOW ALL PERSONS BY THESE PRESENTS:

THAT, _____ (hereinafter called Principal), as Principal, and _____, a corporation organized and existing under the laws of the State of _____, with its principal office in the District of _____ (hereinafter called the Surety), as Surety, are held and firmly bound unto the Rio Nuevo Multipurpose Facilities District (hereinafter called the Obligee) in the amount of _____ (Dollars) (\$ _____), for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written Contract with the Obligee, dated the _____ day of _____, 20____, for the material, service or construction described as _____ which Contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal promptly pays all monies due to all persons supplying labor or materials to the Principal or the Principal's Subcontractors in the prosecution of the Work provided for in the Contract, this obligation is void. Otherwise it remains in full force and effect.

PROVIDED, however, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if they were copied at length in this agreement.

The prevailing party in a suit on this bond shall recover as a part of the judgment reasonable attorney fees that may be fixed by a judge of the Court.

Witness our hands this _____ day of _____, 20____.

Principal Seal

By: _____

Surety Seal

By: _____

Agency of Record