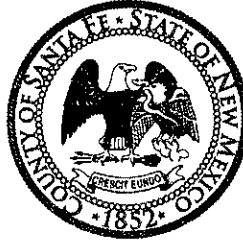


Daniel "Danny" Mayfield
Commissioner, District 1

Virginia Vigil
Commissioner, District 2

Robert A. Anaya
Commissioner, District 3



Kathy Holian
Commissioner, District 4

Liz Stefanics
Commissioner, District 5

Katherine Miller
County Manager

Memorandum

Date: 30 August 2011

To: Board of County Commissioners

From: Paul Olafson, Projects and Facilities Division, Public Works Department

Cc: Mark Hogan, Director, Projects and Facilities Division, Public works Department

Re: **Second Public Hearing for Discussion and Adoption of Santa Fe County's Infrastructure and Capital Improvement Plan (ICIP) for Fiscal Year 2013-2017**

Background:

The New Mexico Department of Finance Administration (DFA) has initiated the annual Infrastructure and Capital Improvements Plan (ICIP) process for Fiscal Years 2013-2017. The DFA requires that each county submit an ICIP to the state by September 30, 2011.

Staff is currently compiling a spreadsheet that outlines the requests received for capital projects via community input meetings along with County staff recommendations for capital projects. The list will be submitted to the Board under separate cover prior to the August 30th Board meeting. If approved by the Board, the list of projects will be entered into the DFA database and submitted as part of the 2013-2017 Santa Fe County ICIP. Projects listed on the County's ICIP will be eligible for legislative funding through the 2012 legislative session.

Additionally, DFA requires that the County rank five projects as top priorities for consideration of funding. Staff will generate a summary list of the previous year's top 5 requests and potential projects for consideration for the 2013-2017 plan and submit to the Board under separate cover prior to the August 30 Board meeting.

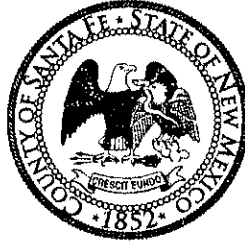
Action Requested:

Staff requests that the Board of County Commissioners adopt the proposed list of capital projects for inclusion in the FY 2013-2017 ICIP plan to be submitted to the New Mexico Department of Finance and Administration. Additionally, staff requests that the Board rank 5 projects for priority ranking for the 2013-2017 ICIP.

Daniel "Danny" Mayfield
Commissioner, District 1

Virginia Vigil
Commissioner, District 2

Robert A. Anaya
Commissioner, District 3



Kathy Holian
Commissioner, District 4

Liz Stefanics
Commissioner, District 5

Katherine Miller
County Manager

Memorandum

Date: 30 August 2011

To: Board of County Commissioners

From: Paul Olafson, Projects and Facilities Division, Public Works Department

Cc: Mark Hogan, Director, Projects and Facilities Division, Public works Department

Re: **A Resolution Authorizing And Supporting An Infrastructure Capital Improvements Plan For Santa Fe County**

Background:

The New Mexico Department of Finance Administration (DFA) has initiated the annual Infrastructure and Capital Improvements Plan (ICIP) process for Fiscal Years 2013-2017. The DFA requires that each county submit an ICIP to the state by September 30, 2011.

Additionally, DFA requires that the County adopt the plan via a resolution. The attached resolution will be submitted to DFA along with the previously approved ICIP for Fiscal Years 2013-2017.

Action Requested:

Staff requests that the Board of County Commissioners approve a Resolution authorizing and supporting an Infrastructure Capital Improvements Plan for Santa Fe County for Fiscal Years 2013-2017.

SANTA FE COUNTY

Resolution No. 2011 –

**A RESOLUTION AUTHORIZING AND SUPPORTING AN INFRASTRUCTURE
CAPITAL IMPROVEMENTS PLAN FOR
SANTA FE COUNTY**

WHEREAS, Santa Fe County recognizes that the financing of public capital projects has become a major concern in New Mexico and nationally; and

WHEREAS, in times of scarce resources, it is necessary to find new financing mechanisms and maximize the use of existing resources; and

WHEREAS, systematic capital improvements planning is an effective tool for communities to define their development needs, establish priorities and pursue concrete actions and strategies to achieve necessary project development; and

WHEREAS, the process contributes to local and regional efforts in project identification and selection in short and long range capital planning efforts; and

WHEREAS, the Infrastructure Capital Improvements Plan (ICIP) has been developed from citizen input through a series of community meetings, County staff and Elected Officials from various levels of government.

NOW THEREFORE BE IT RESOLVED that the Board of County Commissioners hereby authorizes and adopts the attached list of capital projects for inclusion in the Santa Fe County FY 2013-2017 Infrastructure Capital Improvements Plan (ICIP).

BE IT FURTHER RESOLVED that the Board of County Commissioners ranks Projects No. 1, 2, 3, 4 and 5 as the priority ranking for the FY 2013-2017 ICIP.

APPROVED, ADOPTED AND PASSED this 30th day of August, 2011.

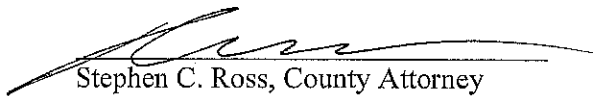
BOARD OF COUNTY COMMISSION

Virginia Vigil, Chairperson

Attest:

Valerie Espinoza, County Clerk

Approved as to form:

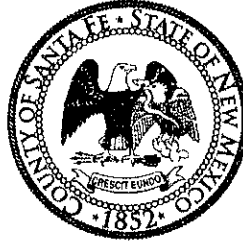


Stephen C. Ross, County Attorney

Daniel "Danny" Mayfield
Commissioner, District 1

Virginia Vigil
Commissioner, District 2

Robert A. Anaya
Commissioner, District 3



Kathy Holian
Commissioner, District 4

Liz Stefanics
Commissioner, District 5

Katherine Miller
County Manager

Memorandum

Date: August 30, 2011
To: Board of County Commissioners
From: Joseph Gutierrez, Director, Community Services Department
Mark Hogan, Director, Projects and Facilities Division, Public Works Department
Re: **Request Approval To Enter Into An Agreement With Intera Incorporated For Environmental Services For The 1st Judicial Courthouse Project In The Amount of \$286,914.62.**

Background:

Santa Fe County has initiated the construction of the new First Judicial District Courthouse facility in Santa Fe. The project has required remediation of petroleum contamination that has migrated onto the County's property from adjacent properties. To date, the remediation process has been successfully completed as planned. One aspect of the remediation is the monitoring of the site and the facility to measure and document the effectiveness of the remediation and environmental conditions at the site. The County issued a Request For Proposals (RFP #2011-0224-CSD/MS) for this on-going remediation work and received an affirmative response from Intera, Inc. to conduct these services.

Staff is recommending that the Board of County Commissioners approve an agreement with Intera, Inc. for environmental remediation and monitoring services for the First judicial Courthouse project. Specifically, the scope of services will provide for the following:

- Design, permitting, administration and oversight of on-going remediation and monitoring activities for the Courthouse project.
- Air quality and groundwater monitoring at the site.
- Design and installation of a soil vapor conveyance system for the facility.
- Additional study, documentation and reporting per regulatory requirements and completion of Voluntary Remediation Program documentation and report submittals.

The total cost for the environmental remediation and monitoring services for the project for the first year will be \$286,914.62, inclusive of gross receipts taxes. The agreement has an option for renewal for up to three additional years of services with an additional cost of \$237,739.67, inclusive of gross receipts taxes. The determination of extension of services will be at the County's discretion. The determination to request additional services beyond the first year of the agreement will be based on the findings of the monitoring services and evaluation of the project needs following the first year of monitoring and remediation services.

Action Requested:

Staff recommends the approval to enter into an agreement with Intera, Inc. for environmental services for the First Judicial Courthouse project in the amount of \$286,914.62, inclusive of gross receipts taxes.

**SANTA FE COUNTY
PROFESSIONAL SERVICES AGREEMENT
WITH INTERA INC.
TO PROVIDE ENVIRONMENTAL REMEDIATION SERVICES FOR THE
STEVE HERRERA COURTHOUSE COMPLEX
CONSTRUCTION PROJECT**

THIS AGREEMENT is made and entered into this _____ day of _____, 2011, by and between Santa Fe County, hereinafter referred to as “the County,” and INTERA Inc., a Texas corporation, registered to do business in the State of New Mexico, with a corporate address 6000 Uptown Blvd. NE #100, Albuquerque, NM, 87110, hereinafter referred to as “the Contractor.”

WHEREAS, the County is committed to the environmental safety and health of the citizens of the City of Santa Fe and Santa Fe County. The County’s goal is to protect air quality and prevent the release of petroleum products into the environment and ensure that air and ground contamination is handled and disposed of without harming natural resources;

WHEREAS, in accordance with Section 13-1-112 NMSA 1978, the County issued a Request for Proposal (RFP No. 2011-0224-CSD/MS) for environmental remediation services;

WHEREAS, Contractor is a qualified full service environmental engineering and consulting firm and is capable of providing remediation services at the Steve Herrera Courthouse Complex construction site;

WHEREAS, the County requires the services of the Contractor and the Contractor is willing to perform the Scope of Work indicated in the RFP and as provided in this Agreement;

NOW THEREFORE, in consideration of the premises and mutual obligations herein, the parties hereto do mutually agree as follows:

1. SCOPE OF WORK

A. General

1. Contractor will provide environmental remediation services to Santa Fe County in connection with the construction of the Steve Herrera Courthouse Complex Project.
2. Contractor will assist the County in implementing the previously completed report titled “Final Petroleum Contaminated Soil Excavation Work Plan” for the Steve Herrera Courthouse Complex Project.
3. Contractor will furnish all equipment, labor and tools required to perform the Scope of Work. Contractor will provide competent supervision and skilled personnel to perform the Scope of Work.

4. Contractor will comply with all local, state and federal laws including the U.S. Environmental Protection Act (EPA), governing safety, health and sanitation and shall provide all safeguards, safety devices and protective equipment to ensure the health and safety of all employees and the public during the performance of the Scope of Work.

B. Work Plan for Remediation Services

Contractor will submit to the County for its review and approval a detailed Work Plan for this Scope of Work. The Work Plan shall include:

1. detailed description of the Contractor's plan to operate and maintain the existing remediation systems at the site;
2. a description of the Contractor's plan for record keeping, reporting and tasks to be undertaken to ensure that day-to-day operations of the remediation systems are sustained;
3. descriptions of the remediation work to be completed and identify any remediation issues that Contractor will address.

C. Project Management

Contractor shall:

1. Manage the remediation of the site during construction as necessary.
2. Manage the remediation systems' operation, maintenance and monitoring requirements.
3. As requested by the County, provide project planning and conduct meetings with the County and New Mexico Environment Department representatives.
4. Conduct and complete site specific field sampling.
5. As requested by the County, attend weekly construction meetings and brief team members on environmental regulatory and technical issues affecting construction. Contractor will attend two meetings per month from July to December 2011, and one meeting per month from January 2012 to July 2013.

D. Document Review

1. Perform document review of New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) Reports for the regional remediation systems operating at adjoining properties.
2. Review quarterly ground water monitoring and soil vapor extraction systems. O&M Reports are scheduled to be generated quarterly until approximately January 2013. Contractor shall provide quarterly written report of salient findings and issues of interest to the County.

E. Ground Water Monitoring

1. Operations and Maintenance

Contractor will provide monthly O&M for the remediation system at the Steve Herrera Courthouse Complex. O&M tasks include maintenance of all equipment and all services required to accomplish the quarterly site monitoring.

2. Quarterly Groundwater Sampling

Quarterly groundwater sampling will be conducted for the next two (2) years from July 2011 to July 2013. The Contractor will gauge and sample all thirteen (13) ground monitoring wells (SFCMW-01, SFCMW-02, SFCMW-03, SFCMW-06, SFCMW-07, SFCMW-08, SFCMW-09, SFCMW-09D, SFCMW-10, SFCMW-11, SFCMW-12, TMW-06, TMW-06D) and one test well for comparison purposes, at the Steve Herrera Courthouse Complex. Groundwater samples will be analyzed for analyze samples for the following constituents: BTEX, EDC, total naphthalene, and MTBE via EPA Method 8260, EDB via EPA Method 504.1, TPH GRO and DRO via EPA Method 8015, and lead via EPA Method 6010.

Once the quarterly groundwater sampling is completed for the first two years, monitoring will continue with semi-annual monitoring for 2 years (January 2014, June 2014, January 2015, and June 2015).

3. As requested by the County, Contractor will meet with Santa Fe County representatives, per event, to report the results.

4. Conduct Air Quality Monitoring

The Contractor will conduct air quality monitoring for the Santa Fe County District Attorney building (DA Building) located on the northeast corner of the site to ensure compliance with federal and state regulations to include the National Ambient Air Quality Standard (NAAQS) based on state and federal requirements. The current air quality monitoring consists of the use of government-furnished equipment (GFE) which includes an ion photo-ionization sensor. Six (6) ION VOC Sensors permanently placed with four (4) in the DA Building and two (2) outside near the construction site. The work must be performed by a Certified Industrial Hygienist to monitor the air quality in the DA Building. The monitoring will include bi-monthly events from July 2011 through December 2012.

Contractor will be responsible for monitoring activities on at least a quarterly basis for a minimum of two years following a baseline event within the Steve

Herrera Judicial Complex building expected to begin in December 2012 (December 2012 to December 2014). The indoor air samples will be analyzed for gasoline-constituents. Quarterly reports will be prepared for the County outlining the results of all sampling and provide the County with recommendations for any additional activities based on the findings.

F. Install Soil Vapor Conveyance Piping

1. Contractor will install soil vapor conveyance piping within the subsurface surrounding the two-level parking garage. Approximately 600 feet of 4-inch conveyance piping will be buried approximately 3-feet below ground surface and will exit the subsurface near the northeast corner of the site. The piping will be connected to 28 perimeter monitoring wells previously installed. The piping will be completed with surface vents and act as a passive venting system initially with the potential to be converted to an active venting system if determined necessary.

G. Recomplete Two Monitoring Wells

1. Contractor will re-complete two previously installed monitoring wells (TMW-06 and TMW-06D). These wells will need to be extended to the surface and completed with traffic-rated well heads within the subsurface parking garage, below the Courthouse Complex building.

H. River Study Sampling Report

1. Contractor will utilize existing information to complete a River Study Sampling Report consisting of collection of eight (8) soil samples within the bed of the Santa Fe River near the storm sewer outfall located near the Sandoval Street bridge. The soil samples will be collected from river sediments and analyzed for total petroleum hydrocarbons (TPH), gasoline range organics (GRO) and diesel range organics (DRO) by Environmental Protection Agency (EPA) Method 8015B and for volatile organic compounds (VOCs) including benzene, toluene, ethyl benzene, and total xylene (BTEX) by EPA Method 8260B, and the Resource Conservation and Recovery Act (RCRA) metals by EPA Method 6010/6020/7470.

I. Voluntary Remediation Activities

1. Contractor shall perform various Voluntary Remediation activities including a Voluntary Remediation Completion Report (VRCR) which will be submitted to the NMED Voluntary Remediation Program (VRP) by December 2011. The VRCR will summarize the previous remediation activities completed at the Courthouse Complex as well as discuss the results of the initial air and ground water monitoring activities. In addition to the VRCR, the Contractor will prepare quarterly reports summarizing air and ground water monitoring results will be required to be submitted to the NMED VRP from July 2011 until July 2013.

J. Deliverables

1. Any As-Built Reports for remediation systems installed at the site within 60 days from start up. The As-Built Reports shall be comprehensive descriptions of all activities conducted at the site under this Agreement. The As-Built Report shall also contain the remediation systems' as-built drawings, start up data, etc.
2. Based on all laboratory data collected to date, the Contractor shall discuss in a written report the migration of contamination and any impact or potential impact to sensitive environments or public and private water supplies, vapor impacts, etc. Such report will discuss how the remedial implementation will mitigate these existing or potential impacts.
3. Contractor shall describe in detail in a written report the installation of remedial systems utilized to address soil and ground water contamination.
4. Contractor shall discuss in detail any modifications to, or variances from the remedial design which were necessary for installation of Contractor's remedial systems. All variances must be approved by the County in writing.
5. Contractor shall discuss in detail the system start up; identifying and explaining operational adjustments made for optimum system performance.
6. Contractor shall discuss actual system operation and effectiveness as compared to expected parameters used for the remedial design. The Contractor shall describe the observed performance of the remedial systems. Describe and discuss handling, treatment, or disposal of by-products generated by the remedial method implemented; e.g., vapor and fluid effluent from the remedial process. Discuss the remedial system's effectiveness relative to performance criteria.
7. Contractor shall describe any modifications to the remedial design for the free product recovery system necessary for installation.
8. If applicable, Contractor shall discuss the observed effectiveness of the free product recovery system and provide the rate of product recovery.
9. If applicable, Contractor shall describe how the free product is handled, stored on-site, and the method and frequency of its disposal.
10. If applicable, Contractor shall describe how wastes are handled including types of waste generated, quantity of waste generated, storage methods, and laboratory analyses of waste.

11. Provide a written description of any additional services that maybe required and indicate Contractor's fixed hourly rate(s) for such services, a description of materials necessary for such services, costs of the materials, and the estimated number of work days required to perform such additional services.

2. COMPENSATION, INVOICING AND SET-OFF

- A. In consideration of its obligations under this Agreement the Contractor shall be compensated as follows:
 1. County shall pay Contractor for Tasks described in the Scope of Work at the following hourly rates at the following rates. See Exhibit A.
 2. County shall pay Contractor for additional work or services to be performed at the following hourly rates and costs: (Not applicable.)
 3. **Not-To-Exceed Amount for Year One.** In no event shall the total compensation paid to Contractor for services provided during Year One of the term of this Agreement exceed Two Thousand Sixty-Eight One Hundred Forty-Four Dollars and Fifty Cents (\$268,144.50) exclusive of gross receipts tax. Any New Mexico gross receipts tax levied on the amounts payable under this Agreement shall be paid by the County to the Contractor.
- B. The Contractor shall submit a written request for payment to the County when payment is due under this Agreement. Upon the County's receipt of the written request, the County shall issue a written certification of complete or partial acceptance or rejection of the contractual items or services for which payment is sought. The Contractor acknowledges and agrees that the County may not make any payment hereunder unless and until it has issued a written certification accepting the items and/or services. Within thirty (30) days of the issuance of a written certification accepting items and services, the County shall tender payment for the accepted items and services. In the event the County fails to tender payment within thirty (30) days of the written certification accepting the items or services, the County shall pay late payment charges of one and one-half percent (1.5%) per month, until the amount due is paid in full.
- C. In the event the Contractor breaches this Agreement, the County may, without penalty, withhold any payments due the Contractor for the purpose of set-off until such time as the County determines the exact amount of damages it suffered as a result of the breach.
- D. Payment under this Agreement shall not foreclose the right of the County to recover excessive or illegal payment.

3. EFFECTIVE DATE AND TERM

This Agreement shall, upon execution by all parties, become effective as of the date of signature by the County and shall terminate one year from the effective date, unless terminated earlier pursuant to Section 4 (Termination) or 6 (Appropriations and Authorizations). Subject to the express approval of the Santa Fe County Manager, the County has the unilateral option to extend the term of this Agreement at the same hourly rate(s) and terms and conditions for periods of one (1) year. The County may exercise this option by providing written notice to the Contractor at least sixty (60) days prior to expiration of this Agreement. Under no circumstances shall the term of this Agreement be more than four (4) years.

4. TERMINATION

- A. Termination of Agreement for Cause. Either party may terminate the Agreement based upon any material breach of this Agreement by the other party. The non-breaching party shall give the breaching party written notice of termination specifying the grounds for the termination. The termination shall be effective thirty (30) days from the breaching party's receipt of the notice of termination, during which time the breaching party shall have the right to cure the breach. If, however, the breach cannot with due diligence be cured within thirty (30) days, the breaching party shall have a reasonable time to cure the breach, provided that, within thirty (30) days of its receipt of the written notice of termination, the breaching party began to cure the breach and advised the non-breaching party in writing that it intended to cure.
- B. Termination for Convenience of the County. The County may, in its discretion, terminate this Agreement at any time for any reason by giving the Contractor written notice of termination. The notice shall specify the effective date of termination, which shall not be less than fifteen (15) days from the Contractor's receipt of the notice. The County shall pay the Contractor for acceptable work, determined in accordance with the specifications and standards set forth in this Agreement, performed before the effective date of termination but shall not be liable for any work performed after the effective date of termination.

5. INDEPENDENT CONTRACTOR

The Contractor, its agents, employees and any approved subcontractor(s) are independent contractors and are not employees or agents of the County. Accordingly, the Contractor and its agents and employees shall not accrue leave, participate in retirement plans, insurance plans, or liability bonding, use the County vehicles, or participate in any other benefits afforded to employees of the County. Except as may be expressly authorized elsewhere in this Agreement, the Contractor has no authority to bind, represent, or otherwise act on behalf of the County and agrees not to purport to do so.

6. ASSIGNMENT

The Contractor shall not assign or transfer any interest in this Agreement or assign any claims for money due or to become due under this Agreement without the advance written approval of the County. Any attempted assignment or transfer without the County's advance written approval shall be null and void and without any legal effect.

7. SUBCONTRACTING

The Contractor shall not subcontract or delegate any portion of the services to be performed under this Agreement without the advance written approval of the County. Any attempted subcontracting or delegating without the County's advance written approval shall be null and void and without any legal effect.

8. INDEMNITY

- A. The Contractor shall defend, indemnify, and hold harmless the County and its Elected Officials, agents, and employees from any losses, liabilities, damages, demands, suits, causes of action, judgments, costs or expenses (including but not limited to court costs and attorneys' fees) resulting from or directly or indirectly arising out of the Contractor's performance or non-performance of its obligations under this Agreement, including but not limited to the Contractor's breach of any representation or warranties made herein.
- B. The Contractor agrees that the County shall have the right to control and participate in the defense of any such demand, suit, or cause of action concerning matters that relate to the County and that such suit will not be settled without the County's consent, such consent not to be unreasonably withheld. If a conflict exists between the interests of the County and the Contractor in such demand, suit, or cause of action, the County may retain its own counsel to represent the County's interest.
- C. The Contractor's obligations under this section shall not be limited by the provisions of any insurance policy the Contractor is required to maintain under this Agreement.

9. RECORDS AND INSPECTIONS

- A. To the extent its books and records relate to (i) its performance of this Agreement or any subcontract entered into pursuant to it or (ii) cost or pricing data (if any) set forth in this Agreement or that was required to be submitted to the County as part of the procurement process, the Contractor agrees to (i) maintain such books and records during the term of this Agreement and for a period of three (3) years from the date of

final payment under this Agreement; (ii) allow the County or its designee to audit such books and records at reasonable times and upon reasonable notice; and (iii) to keep such books and records in accordance with generally accepted accounting principles ("GAAP").

- B. To the extent its books and records relate to (i) its performance of this Agreement or any subcontract entered into pursuant to it or (ii) cost or pricing data (if any) set forth in this Agreement or that was required to be submitted to County as part of the procurement process, the Contractor also agrees to require any subcontractor it may hire to perform its obligations under this Agreement to (i) maintain such books and records during the term of this Agreement and for a period of six (6) years from the date of final payment under the subcontract; (ii) to allow the County or its designee to audit such books and records at reasonable times and upon reasonable notice; and (iii) to keep such books and records in accordance with GAAP.

10. APPROPRIATIONS AND AUTHORIZATIONS

This Agreement is contingent upon sufficient appropriations and authorizations being made for performance of this Agreement by the Board of County Commissioners of the County and/or, if state funds are involved, the Legislature of the State of New Mexico. If sufficient appropriations and authorizations are not made in this or future fiscal years, this Agreement shall terminate upon written notice by the County to the Contractor. Such termination shall be without penalty to the County, and the County shall have no duty to reimburse the Contractor for expenditures made in the performance of this Agreement. The County is expressly not committed to expenditure of any funds until such time as they are programmed, budgeted, encumbered and approved for expenditure by the County. The County's decision as to whether sufficient appropriations and authorizations have been made for the fulfillment of this Agreement shall be final and not subject to challenge by the Contractor in any way or forum, including a lawsuit.

11. PERMITS, FEES, AND LICENSES

The Contractor shall procure all permits and licenses, pay all charges, fees, and royalties, and give all notices necessary and incidental to the due and lawful performance of its obligations hereunder.

12. RELEASE

Upon its receipt of all payments due under this Agreement, the Contractor releases the County, its Elected Officials, officers, agents and employees from all liabilities, claims, and obligations whatsoever arising from or under or relating to this Agreement.

13. CONFIDENTIALITY

Any confidential information provided to or developed by the Contractor in the performance of this Agreement shall be kept confidential and shall not be made available to any individual or organization by the Contractor without prior written approval of the County.

14. PUBLICATION, REPRODUCTION, AND USE OF MATERIAL; COPYRIGHT

- A. The County has the unrestricted right to publish, disclose, distribute and otherwise use, in whole or in part, any reports, data, or other material prepared under or pursuant to this Agreement.
- B. The Contractor acknowledges and agrees that any material produced in whole or in part under or pursuant to this Agreement is a work made for hire. Accordingly, to the extent that any such material is copyrightable in the United States or in any other country, the County shall own any such copyright.

15. CONFLICT OF INTEREST

The Contractor represents that it has no and shall not acquire any interest, direct or indirect, that would conflict in any manner or degree with the performance of its obligations under this Agreement.

16. NO ORAL MODIFICATIONS; WRITTEN AMENDMENTS REQUIRED

This Agreement may not be modified, altered, changed, or amended orally but, rather, only by an instrument in writing executed by the parties hereto. The Contractor specifically acknowledges and agrees that the County shall not be responsible for any changes to Section 1, "SCOPE OF WORK," of this Agreement unless such changes are set forth in a duly executed written amendment to this Agreement. No change in the Scope of Work, Contract Time or Contract Sum shall be valid and effective unless approved by the Santa Fe Board of County Commissioners or the Santa Fe County Manager.

The parties agree that the Scope of Work may be amended or modified if the County requires Contractor to provide additional and necessary remediation services as set forth in Contractor's Work Plan. If additional services are required, Contractor's compensation for such additional services shall be at the hourly rates and costs set forth in Paragraph 2.A.2 above.

17. ENTIRE AGREEMENT; INTEGRATION

This Agreement incorporates all the agreements, covenants, and understandings between the parties hereto concerning the subject matter hereof, and all such agreements, covenants and understandings have been merged into this written Agreement. No prior or contemporaneous agreement, covenant or understandings, verbal or otherwise, of the parties or their agents shall be valid or enforceable unless embodied in this Agreement.

18. EQUAL OPPORTUNITY COMPLIANCE

- A. The Contractor agrees to abide by all Federal, State, and local laws, ordinances, and rules and regulations pertaining to equal opportunity and unlawful discrimination. Without in any way limiting the foregoing general obligation, the Contractor specifically agrees not to discriminate against any person with regard to employment with the Contractor or participation in any program or activity offered pursuant to this Agreement on the grounds of race, age, religion, color, national origin, ancestry, sex, physical or mental handicap, serious medical condition, spousal affiliation, sexual orientation, or gender identity.
- B. The Contractor acknowledges and agrees that failure to comply with this Section shall constitute a material breach of this Agreement.

19. SEVERABILITY

If any term or condition of this Agreement shall be held invalid or non-enforceable by any court of competent jurisdiction, the remainder of this Agreement shall not be affected and shall be valid and enforceable to the fullest extent of the law.

20. COMPLIANCE WITH APPLICABLE LAW; CHOICE OF LAW

- A. In performing its obligation hereunder, the Contractor shall comply with all applicable laws, County ordinances and other policies or regulations as required by this Agreement.
- B. This Agreement shall be construed in accordance with the substantive laws of the State of New Mexico, without regard to its choice of law rules. The Contractor and the County agree that the exclusive forum for any litigation between them arising out of or related to this Agreement shall be the State District Court of New Mexico, located in Santa Fe County.

21. NOTICE OF PENALTIES

The Procurement Code, NMSA 1978, Section 13-1-28 through 13-1-199, imposes civil and criminal penalties for its violation. In addition, New Mexico criminal statutes impose felony penalties for bribes, gratuities, and kickbacks.

22. NO THIRD-PARTY BENEFICIARIES

This Agreement was not intended to and does not create any rights in any persons not a party

hereto.

23. FACSIMILE SIGNATURES

The parties hereto agree that a facsimile signature has the same force and effect as an original for all purposes.

24. LIMITATION OF LIABILITY

The County's liability to the Contractor for any breach of this Agreement by the County shall be limited to direct damages and shall not exceed the maximum amount of potential compensation specified in Section 2 of this Agreement. In no event shall the County be liable to the Contractor for special or consequential damages, even if the County was advised of the possibility of such damages prior to entering into this Agreement.

25. NEW MEXICO TORT CLAIMS ACT

No provision of this Agreement modifies or waives any sovereign immunity or limitation of liability enjoyed by the County or its "public employees" at common law or under the New Mexico Tort Claims Act, NMSA 1978, § 41-4-1, et seq.

26. INSURANCE AND BONDING

- A. General Conditions. The Contractor shall submit evidence of insurance as is required herein. Policies of insurance shall be written by companies authorized to write such insurance in New Mexico.
- B. General Liability Insurance, Including Automobile. The Contractor shall procure and maintain during the life of this Agreement a comprehensive general liability and automobile insurance policy with liability limits in amounts not less than \$1,050,000 combined single limits of liability for bodily injury, including death, and property damage for any one occurrence. Said policies of insurance shall include coverage for all operations performed for the County by the Contractor; coverage for the use of all owned, non-owned, hired automobiles, vehicles and other equipment, both on and off work; and contractual liability coverage under which this Agreement is an insured contract. The County of Santa Fe shall be a named additional insured on the policy.
- C. Workers' Compensation Insurance. The Contractor shall comply with the provisions of the Workers' Compensation Act.
- D. Increased Limits. If, during the life of this Agreement, the Legislature of the State of

New Mexico increases the maximum limits of liability under the Tort Claims Act (NMSA 1978, Sections 41-4-1 through 41-4-29, as amended), the Contractor shall increase the maximum limits of any insurance required herein.

- E. Professional Liability, Malpractice/Errors and Omissions Insurance. Contractor shall procure and maintain during the life of this Agreement professional liability (errors and omissions) insurance in amounts not less than \$1,500,000 per occurrence, \$2,500,000 per aggregate.

F. BONDS FOR CONSTRUCTION WORK

Contractor shall furnish performance and payment bonds for any duties within the Scope of Work or Contractor's Work Plan that constitute "construction" as this term is defined at § 13-1-40 NMSA 1978 of the Procurement Code. The bonds shall be for the faithful performance of construction within the Scope of Work and/or Contractor's Work Plan and the payment by Contractor for any construction performed under this Agreement. The performance and payment bonds shall be in effect until one year after the County issues payment to the Contractor for any construction work. All bonds shall be executed by such sureties as are named in the list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. If the surety on the Contractor's performance or payment bonds is declared bankrupt or becomes insolvent or ceases to meet the requirements stated herein, Contractor shall immediately notify the County and provide another bond and surety that is approved by the County.

27. CONTRACTOR'S REPRESENTATIONS AND WARRANTIES

The Contractor hereby represents and warrants that:

- A. It is a [*corporation/LLC/sole proprietorship*] duly organized and in good standing under the laws of the State of New Mexico.
- B. This Agreement has been duly authorized by the Contractor, the person executing this Agreement has authority to do so, and, once executed by the Contractor, this Agreement shall constitute a binding obligation of the Contractor.
- C. This Agreement and the Contractor's obligations hereunder do not conflict with the Contractor's articles of incorporation or by-laws or any corporate resolution adopted by the Contractor.
- D. It will maintain throughout the life of this Agreement, its registration, licensure to conduct business in the State of New Mexico, and its status of "good standing" with the New Mexico Public Regulation Commission.

E. WARRANTIES OF WORKMANSHIP AND MATERIALS

Contractor shall complete the Scope of Work required under this Agreement in a professional and workmanlike manner. Contractor shall provide a warranty that materials and equipment installed shall be free of all defects and fully functional and serving the purpose intended for a period of no less than three (3) years following completion of installation. Any defects or functional problems will be addressed immediately and without cost to the County during the three (3) year warranty period. The warranty shall include required maintenance, repair, part replacement, labor, service calls, travel and expenses. This warranty begins on the date of acceptance of the Work by the County.

If materials or equipment incorporated into the systems required by this Agreement has a manufacturer's warranty which is of shorter duration than the warranty period described herein, any such equipment shall nevertheless be subject to the warranty required of the Contractor herein. Defects or repairs to any equipment that fails during the three (3) years warranty provided herein, shall be the responsibility of the Contractor.

Contractor warrants that all products and items in their unaltered form which are provided under this Agreement will perform in accordance with the manufacturer's published specifications.

Contractor warrants that all materials and equipment provided under this Agreement will be compatible with existing systems or materials. Compatibility means the ability to function or operation without error. This warranty includes the situation where one piece of equipment is used with another piece of equipment whether the equipment was produced by one manufacturer or multiple manufacturers. Any incompatibility of equipment selected by the Contractor or incompatibility of existing equipment left in place shall not affect or nullify the Contractor's warranty or any of the warranties of the manufacturers.

Contractor warrants that all materials or equipment purchased under this Agreement will be new and undamaged and free from defect in material and workmanship.

28. CAMPAIGN CONTRIBUTION DISCLOSURE FORM

The Contractor agrees to compute and submit simultaneous with execution of this Agreement a Campaign Contribution Disclosure Form approved by the County.

29. NOTICES

All notices required to be given to the County under this Agreement shall be mailed (pre-postage paid) to:

Santa Fe County
102 Grant Avenue
P.O. Box 276
Santa Fe, NM 87504-0276

All notices required to be given to the Contractor under this Agreement shall be mailed (pre-postage paid) to:

Cynthia P. Ardito
Vice President INTERA Inc.
6000 Uptown Blvd, NE
Suite 220
Albuquerque, NM 87110

Agent for Service: CT Corporation
123 E Marcy Street
Santa Fe, NM 87501

30. SURVIVAL

The provisions of following paragraphs shall survive termination of this Contract; INDEMNITY, RECORDS AND INSPECTION, RELEASE, CONFIDENTIALITY, COPYRIGHT, COMPLIANCE WITH APPLICABLE LAW; CHOICE OF LAW, NO THIRD-PARTY BENEFICIARIES, NEW MEXICO TORT CLAIMS ACT, INSURANCE, WARRANTIES, AND SURVIVAL.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first written above.

SANTA FE COUNTY

Virginia Vigil, Chair
Santa Fe County Board of Commissioners


Date: _____

ATTEST TO:

Valerie Espinoza
Santa Fe County Clerk

Date: _____

APPROVED AS TO FORM



Stephen C. Ross
Santa Fe County Attorney

8/23/11

Date

FINANCE DEPARTMENT

Teresa C. Martinez
Santa Fe County Finance Director

Date

CONTRACTOR

Cynthia P. Ardito, Vice President
INTERA Inc.

Date

(Print name and title)

FEDERAL IDENTIFICATION NUMBER: 743010638

Stephen C. Ross
Santa Fe County Attorney


Date

FINANCE DEPARTMENT

Teresa C. Martinez
Santa Fe County Finance Director

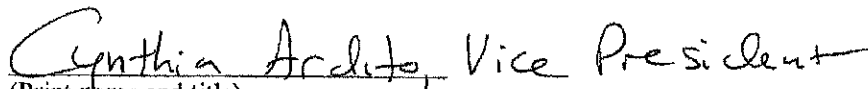
Date

CONTRACTOR



Cynthia P. Ardito, Vice President
INTERA Inc.

8-24-11
Date


(Print name and title)

FEDERAL IDENTIFICATION NUMBER: 743010638

INTERA COST ESTIMATE - RFP# 2011-0224-CSD/MS

July 21, 2011

YEAR 1

Task 1					
Subtotal Labor					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$ 150.00 /HOUR	\$	0.00
SMA Senior Scientist/Engineer II (McKlrick)	HOURS	@	\$ 135.00 /HOUR	\$	0.00
Senior Scientist/Engineer II (Galemore)	HOURS	@	\$ 132.50 /HOUR	\$	0.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	@	\$ 110.00 /HOUR	\$	0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	HOURS	@	\$ 102.50 /HOUR	\$	0.00
SMA Staff Scientist IVE/IT (Bode, Earthman)	HOURS	@	\$ 79.00 /HOUR	\$	0.00
Scientist/Engineer II (Dalton, Romessor)	HOURS	@	\$ 79.00 /HOUR	\$	0.00
Senior Technician (Clark)	HOURS	@	\$ 77.00 /HOUR	\$	0.00
Senior CADD/Graphics (Biggs)	HOURS	@	\$ 65.00 /HOUR	\$	0.00
Senior Technical Editor (Serrano)	HOURS	@	\$ 75.00 /HOUR	\$	0.00
Project Associate (Hernandez)	HOURS	@	\$ 55.00 /HOUR	\$	0.00
Subtotal Labor					
Direct Costs					
Truck Rental	DAYS	@	\$ 55.00 /DAY	\$	0.00
Mileage	MILES	@	\$ 0.55 /MILE	\$	0.00
Per Diem (Meals)	DAYS	@	\$ 35.00 /DAY	\$	0.00
Miscellaneous Field Supplies	EVENT	@	\$ 150 /EVENT	\$	0.00
Subtotal Direct Costs					
Other Services					
Hall Environmental	EVENT	@	\$ /EVENT	\$	0.00
ACME	EVENT	@	\$ /EVENT	\$	0.00
WayJohn Surveying, Inc.	EVENT	@	\$ /EVENT	\$	0.00
EnviroWorks	EVENT	@	\$ /EVENT	\$	0.00
Subcontract Fee	10 PERCENT			\$	0.00
Subtotal Subcontracted Services					
Subtotal Task 1					

Task 2					
Subtotal Labor					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$ 150.00 /HOUR	\$	0.00
SMA Senior Scientist/Engineer II (McKlrick)	HOURS	@	\$ 135.00 /HOUR	\$	0.00
Senior Scientist/Engineer II (Galemore)	4 HOURS	@	\$ 132.50 /HOUR	\$	530.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	@	\$ 110.00 /HOUR	\$	0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	16 HOURS	@	\$ 102.50 /HOUR	\$	1,640.00
SMA Staff Scientist IVE/IT (Bode, Earthman)	HOURS	@	\$ 79.00 /HOUR	\$	0.00
Scientist/Engineer II (Dalton, Romessor)	24 HOURS	@	\$ 79.00 /HOUR	\$	1,896.00
Senior Technician (Clark)	HOURS	@	\$ 77.00 /HOUR	\$	0.00
Senior CADD/Graphics (Biggs)	HOURS	@	\$ 65.00 /HOUR	\$	0.00
Senior Technical Editor (Serrano)	HOURS	@	\$ 75.00 /HOUR	\$	0.00
Project Associate (Hernandez)	HOURS	@	\$ 55.00 /HOUR	\$	0.00
Subtotal Labor					
Direct Costs					
Truck Rental	DAYS	@	\$ 55.00 /DAY	\$	0.00
Mileage	MILES	@	\$ 0.55 /MILE	\$	0.00
Subtotal Direct Costs					
Other Services					
Hall Environmental	EVENT	@	\$ /EVENT	\$	0.00
Subcontract Fee	10 PERCENT			\$	0.00
Subtotal Subcontracted Services					
Subtotal Task 2					

Task 3a					
Subtotal Labor					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$ 150.00 /HOUR	\$	0.00
SMA Senior Scientist/Engineer II (McKlrick)	HOURS	@	\$ 135.00 /HOUR	\$	0.00
Senior Scientist/Engineer II (Galemore)	HOURS	@	\$ 132.50 /HOUR	\$	0.00
SMA Senior Scientist/Engineer I (Eschenbacher)	26 HOURS	@	\$ 110.00 /HOUR	\$	2,860.00
Senior Scientist/Engineer IV (Tracy, Joseph)	104 HOURS	@	\$ 102.50 /HOUR	\$	10,660.00
SMA Staff Scientist IVE/IT (Bode, Earthman)	HOURS	@	\$ 79.00 /HOUR	\$	0.00
Scientist/Engineer II (Dalton, Romessor)	HOURS	@	\$ 79.00 /HOUR	\$	0.00
Senior Technician (Clark)	HOURS	@	\$ 77.00 /HOUR	\$	0.00
Senior CADD/Graphics (Biggs)	HOURS	@	\$ 65.00 /HOUR	\$	0.00
Senior Technical Editor (Serrano)	HOURS	@	\$ 75.00 /HOUR	\$	0.00
Project Associate (Hernandez)	HOURS	@	\$ 55.00 /HOUR	\$	0.00
Subtotal Labor					
Direct Costs					
Mileage	2,080 MILES	@	\$ 0.55 /MILE	\$	1,144.00
Per Diem (Meals)	DAYS	@	\$ 35.00 /DAY	\$	0.00
Miscellaneous Field Supplies	0 EVENTS	@	\$ 150 /EVENT	\$	0.00
Subtotal Direct Costs					
Other Services					
Hall Environmental	EVENT	@	\$ /EVENT	\$	0.00
Subcontract Fee	10 PERCENT			\$	0.00
Subtotal Subcontracted Services					
Subtotal Task 3a					



INTERA COST ESTIMATE - RFP# 2011-0224-CSD/MS

July 21, 2011

YEAR 1

Task 3b					
Labor					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKittrick)	HOURS	@	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Galemore)	18 HOURS	@	\$	132.50 /HOUR	\$ 2,120.00
SMA Senior Scientist/Engineer I (Eschenbacher)	28 HOURS	@	\$	110.00 /HOUR	\$ 2,860.00
Senior Scientist/Engineer IV (Tracy, Joseph)	104 HOURS	@	\$	102.50 /HOUR	\$ 10,660.00
SMA Staff Scientist I/VEIT (Bode, Earhman)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Scientist/Engineer II (Dallon, Romessor)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Senior Technician (Clark)	HOURS	@	\$	77.00 /HOUR	\$ 0.00
Senior CADD/Graphics (Biggs)	HOURS	@	\$	65.00 /HOUR	\$ 0.00
Senior Technical Editor (Serrano)	HOURS	@	\$	75.00 /HOUR	\$ 0.00
Project Associate (Hernandez)	HOURS	@	\$	55.00 /HOUR	\$ 0.00
Subtotal Labor					\$ 15,640.00
Direct Costs					
Mileage	520 MILES	@	\$	0.55 /MILE	\$ 286.00
Per Diem (Meals)	DAYS	@	\$	35.00 /DAY	\$ 0.00
Miscellaneous Field Supplies	EVENTS	@	\$	150 /EVENT	\$ 0.00
Subtotal Direct Costs					\$ 286.00
Other Services					
Hall Environmental	EVENTS	@	\$	/EVENT	\$ 0.00
Subcontract Fee	10 PERCENT				\$ 0.00
Subtotal Subcontracted Services					\$ 0.00
Subtotal Task 3b					\$ 15,926.00

Task 4					
Labor					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKittrick)	HOURS	@	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Galemore)	8 HOURS	@	\$	132.50 /HOUR	\$ 1,080.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	@	\$	110.00 /HOUR	\$ 0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	16 HOURS	@	\$	102.50 /HOUR	\$ 1,640.00
SMA Staff Scientist I/VEIT (Bode, Earhman)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Scientist/Engineer II (Dallon, Romessor)	8 HOURS	@	\$	79.00 /HOUR	\$ 632.00
Senior Technician (Clark)	HOURS	@	\$	77.00 /HOUR	\$ 0.00
Senior CADD/Graphics (Biggs)	HOURS	@	\$	65.00 /HOUR	\$ 0.00
Senior Technical Editor (Serrano)	8 HOURS	@	\$	75.00 /HOUR	\$ 600.00
Project Associate (Hernandez)	HOURS	@	\$	55.00 /HOUR	\$ 0.00
Subtotal Labor					\$ 3,952.00
Direct Costs					
Truck Rental	DAYS	@	\$	65.00 /DAY	\$ 0.00
Mileage	MILES	@	\$	0.55 /MILE	\$ 0.00
Per Diem (Meals)	DAYS	@	\$	35.00 /DAY	\$ 0.00
Miscellaneous Field Supplies	EVENTS	@	\$	150 /EVENT	\$ 0.00
Subtotal Direct Costs					\$ 0.00
Other Services					
Hall Environmental	EVENT	@	\$	/EVENT	\$ 0.00
Subcontract Fee	10 PERCENT				\$ 0.00
Subtotal Subcontracted Services					\$ 0.00
Subtotal Task 4					\$ 3,952.00



INTERA COST ESTIMATE - RFP# 2011-0224-CSD/MS

July 21, 2011

YEAR 1

Task 5 - Groundwater Monitoring					
Labor (Fieldwork)					
Senior Scientist/Engineer I (Sigda)	HOURS	⊗	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKibrick)	HOURS	⊗	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Gafemora)	HOURS	⊗	\$	132.50 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	⊗	\$	110.00 /HOUR	\$ 0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	8 HOURS	⊗	\$	102.50 /HOUR	\$ 820.00
SMA Staff Scientist I/IE/II (Bode, Earthman)	160 HOURS	⊗	\$	79.00 /HOUR	\$ 12,640.00
Scientist/Engineer II (Dalton, Romessor)	160 HOURS	⊗	\$	79.00 /HOUR	\$ 12,640.00
Senior Technician (Clark)	HOURS	⊗	\$	77.00 /HOUR	\$ 0.00
Senior CADD/Graphics (Biggs)	HOURS	⊗	\$	65.00 /HOUR	\$ 0.00
Senior Technical Editor (Serrano)	HOURS	⊗	\$	75.00 /HOUR	\$ 0.00
Project Associate (Hernandez)	HOURS	⊗	\$	55.00 /HOUR	\$ 0.00
Subtotal Labor (Fieldwork)					\$ 26,100.00
Labor (Reporting)					
Senior Scientist/Engineer I (Sigda)	HOURS	⊗	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKibrick)	HOURS	⊗	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Gafemora)	8 HOURS	⊗	\$	132.50 /HOUR	\$ 1,060.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	⊗	\$	110.00 /HOUR	\$ 0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	16 HOURS	⊗	\$	102.50 /HOUR	\$ 1,640.00
SMA Staff Scientist I/IE/II (Bode, Earthman)	68 HOURS	⊗	\$	79.00 /HOUR	\$ 4,424.00
Scientist/Engineer II (Dalton, Romessor)	58 HOURS	⊗	\$	79.00 /HOUR	\$ 4,424.00
Senior Technician (Clark)	HOURS	⊗	\$	77.00 /HOUR	\$ 0.00
Senior CADD/Graphics (Biggs)	16 HOURS	⊗	\$	65.00 /HOUR	\$ 1,040.00
Senior Technical Editor (Serrano)	16 HOURS	⊗	\$	75.00 /HOUR	\$ 1,200.00
Project Associate (Hernandez)	16 HOURS	⊗	\$	55.00 /HOUR	\$ 880.00
Subtotal Labor (Reporting)					\$ 14,868.00
Direct Costs					
Truck Rental	DAYS	⊗	\$	55.00 /DAY	\$ 0.00
Mileage	2,080 MILES	⊗	\$	0.55 /MILE	\$ 1,144.00
Per Diem (Meals)	DAYS	⊗	\$	35.00 /DAY	\$ 0.00
Level C or D Health & Safety supplies (per person)	32 DAYS	⊗	\$	10.00 /DAY	\$ 320.00
Decontamination Supplies	16 DAYS	⊗	\$	7.00 /DAY	\$ 112.00
YSI 556 Multiparameter Meter	16 DAYS	⊗	\$	100.00 /DAY	\$ 1,600.00
Heron Interface Probe	16 DAYS	⊗	\$	35.00 /DAY	\$ 560.00
Monsoon Pump (Dedicated to SFCJC)	1 UNIT	⊗	\$	175.00 /EACH	\$ 175.00
Bladder Pump	4 EVENTS	⊗	\$	220.00 /WEEK	\$ 880.00
Replacement Bladders	72 UNITS	⊗	\$	7.00 /EACH	\$ 504.00
Water Tubing (3/8"OD x 1/4"ID)	4 EVENTS	⊗	\$	75.00 /EVENT	\$ 300.00
Air Tubing (1/4"OD x 0.17"ID)	4 EVENTS	⊗	\$	45.00 /EVENT	\$ 180.00
Air Compressor	16 DAYS	⊗	\$	28.00 /DAY	\$ 448.00
High Capacity Filters	72 UNITS	⊗	\$	13.75 /EACH	\$ 990.00
Miscellaneous Field Supplies	4 EVENTS	⊗	\$	150.00 /EVENT	\$ 600.00
Subtotal Direct Costs					\$ 7,813.00
Other Services					
Hill Environmental	4 EVENTS	⊗	\$	4,410.00 /EVENT	\$ 17,640.00
AES	4 EVENTS	⊗	\$	1,828.00 /EVENT	\$ 7,310.00
Subcontract Fee	10 PERCENT				\$ 2,495.00
Subtotal Subcontracted Services					\$ 27,445.00
Subtotal Task 5					\$ 78,028.00



INTERA COST ESTIMATE - RFP# 2011-0224-CSD/MS

July 21, 2011

YEAR 1

Task 6 - Air Quality Monitoring					
Labor (Fieldwork)					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKittick)	HOURS	@	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Galemore)	HOURS	@	\$	132.50 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	@	\$	110.00 /HOUR	\$ 0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	12 HOURS	@	\$	102.50 /HOUR	\$ 1,230.00
SMA Staff Scientist II/EIT (Bode, Earthman)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Scientist/Engineer II (Dalton, Romessor)	12 HOURS	@	\$	79.00 /HOUR	\$ 948.00
Senior Technician (Clark)	HOURS	@	\$	77.00 /HOUR	\$ 0.00
Senior CADD/Graphics (Biggs)	HOURS	@	\$	65.00 /HOUR	\$ 0.00
Senior Technical Editor (Serrano)	HOURS	@	\$	75.00 /HOUR	\$ 0.00
Project Associate (Hernandez)	HOURS	@	\$	55.00 /HOUR	\$ 0.00
Subtotal Labor (Fieldwork)					\$ 2,178.00
Labor (Reporting)					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKittick)	HOURS	@	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Galemore)	HOURS	@	\$	132.50 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	@	\$	110.00 /HOUR	\$ 0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	13 HOURS	@	\$	102.50 /HOUR	\$ 1,332.50
SMA Staff Scientist II/EIT (Bode, Earthman)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Scientist/Engineer II (Dalton, Romessor)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Senior Technician (Clark)	HOURS	@	\$	77.00 /HOUR	\$ 0.00
Senior CADD/Graphics (Biggs)	HOURS	@	\$	65.00 /HOUR	\$ 0.00
Senior Technical Editor (Serrano)	26 HOURS	@	\$	75.00 /HOUR	\$ 1,950.00
Project Associate (Hernandez)	HOURS	@	\$	55.00 /HOUR	\$ 0.00
Subtotal Labor (Reporting)					\$ 3,282.50
Direct Costs					
Truck Rental	DAY	@	\$	55.00 /DAY	\$ 0.00
Mileage	130 MILES	@	\$	0.55 /MILE	\$ 71.50
Per Diem (Meals)	DAY	@	\$	35.00 /DAY	\$ 0.00
Level C or D Health & Safety supplies (per person)	1 DAY	@	\$	10.00 /DAY	\$ 10.00
Decontamination Supplies	1 DAY	@	\$	7.00 /DAY	\$ 7.00
Air Sample Pump	1 DAY	@	\$	35.00 /DAY	\$ 35.00
MiniRae PID	1 DAY	@	\$	50.00 /DAY	\$ 50.00
Miscellaneous Field Supplies	1 EVENT	@	\$	25 /EVENT	\$ 25.00
Subtotal Direct Costs					\$ 198.50
Other Services					
ACME (DA Building Sept 2011 - Aug 2012)	1 PROJECT	@	\$	21,504 /PROJECT	\$ 21,504.00
ACME (Judicial Complex - Baseline 2-Story Garage)	1 PROJECT	@	\$	2,430 /PROJECT	\$ 2,430.00
ACME (Judicial Complex - Baseline Building)	1 PROJECT	@	\$	/PROJECT	\$ 0.00
ACME (Judicial Complex - Quarterly Monitoring)	1 PROJECT	@	\$	/PROJECT	\$ 0.00
Subcontract Fee	10 PERCENT				\$ 2,393.40
Subtotal Subcontracted Services					\$ 26,327.40
Subtotal Task 6					\$ 31,968.40



INTERA COST ESTIMATE - RFP# 2011-0224-CSD/MS

July 21, 2011

YEAR 1

Task 7 Soil Vapor Conveyance Piping					
Labor (Design and Fieldwork)					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKittrick)	HOURS	@	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Galemore)	HOURS	@	\$	132.50 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	@	\$	110.00 /HOUR	\$ 0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	24 HOURS	@	\$	102.50 /HOUR	\$ 2,460.00
SMA Staff Scientist I/EIT (Bode, Earthman)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Scientist/Engineer II (Dalton, Romessor)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Senior Technician (Clark)	90 HOURS	@	\$	77.00 /HOUR	\$ 6,930.00
Senior CADD/Graphics (Biggs)	16 HOURS	@	\$	65.00 /HOUR	\$ 1,040.00
Senior Technical Editor (Serrano)	HOURS	@	\$	75.00 /HOUR	\$ 0.00
Project Associate (Hernandez)	HOURS	@	\$	55.00 /HOUR	\$ 0.00
Subtotal Labor (Design and Fieldwork)					\$ 10,436.00
Labor (Reporting)					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKittrick)	HOURS	@	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Galemore)	HOURS	@	\$	132.50 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	@	\$	110.00 /HOUR	\$ 0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	40 HOURS	@	\$	102.50 /HOUR	\$ 4,100.00
SMA Staff Scientist I/EIT (Bode, Earthman)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Scientist/Engineer II (Dalton, Romessor)	24 HOURS	@	\$	79.00 /HOUR	\$ 1,896.00
Senior Technician (Clark)	HOURS	@	\$	77.00 /HOUR	\$ 0.00
Senior CADD/Graphics (Biggs)	16 HOURS	@	\$	65.00 /HOUR	\$ 1,040.00
Senior Technical Editor (Serrano)	8 HOURS	@	\$	75.00 /HOUR	\$ 600.00
Project Associate (Hernandez)	HOURS	@	\$	55.00 /HOUR	\$ 0.00
Subtotal Labor (Reporting)					\$ 7,636.00
Direct Costs					
Truck Rental	DAYS	@	\$	55.00 /DAY	\$ 0.00
Mileage	1,170 MILES	@	\$	0.55 /MILE	\$ 643.50
Per Diem (Meals)	DAYS	@	\$	35.00 /DAY	\$ 0.00
Level C or D Health & Safety supplies (per person)	9 DAYS	@	\$	10.00 /DAY	\$ 90.00
Decontamination Supplies	9 DAYS	@	\$	7.00 /DAY	\$ 63.00
Miscellaneous Field Supplies	9 DAYS	@	\$	25 /DAY	\$ 225.00
Subtotal Direct Costs					\$ 1,021.50
Other Services					
EnviroWorks	1 PROJECT	@	\$	66,465 /PROJECT	\$ 66,465.00
Subcontract Fee	10 PERCENT				\$ 6,848.50
Subtotal Subcontracted Services					\$ 73,313.50
Subtotal Task 7					\$ 84,389.00

Task 8 Groundwater Remediation					
Labor					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKittrick)	HOURS	@	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Galemore)	HOURS	@	\$	132.50 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	@	\$	110.00 /HOUR	\$ 0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	2 HOURS	@	\$	102.50 /HOUR	\$ 205.00
SMA Staff Scientist I/EIT (Bode, Earthman)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Scientist/Engineer II (Dalton, Romessor)	8 HOURS	@	\$	79.00 /HOUR	\$ 632.00
Senior Technician (Clark)	8 HOURS	@	\$	77.00 /HOUR	\$ 616.00
Senior CADD/Graphics (Biggs)	HOURS	@	\$	65.00 /HOUR	\$ 0.00
Senior Technical Editor (Serrano)	HOURS	@	\$	75.00 /HOUR	\$ 0.00
Project Associate (Hernandez)	HOURS	@	\$	55.00 /HOUR	\$ 0.00
Subtotal Labor					\$ 1,453.00
Direct Costs					
Truck Rental	DAY	@	\$	55.00 /DAY	\$ 0.00
Mileage	130 MILES	@	\$	0.55 /MILE	\$ 71.50
Per Diem (Meals)	DAYS	@	\$	35.00 /DAY	\$ 0.00
Level C or D Health & Safety supplies (per person)	2 DAYS	@	\$	10.00 /DAY	\$ 20.00
Bentonite Chips	4 UNITS	@	\$	8.85 /EACH	\$ 35.40
Curcrete Concrete	10 UNITS	@	\$	8.00 /EACH	\$ 80.00
4" Traffic Rated Well Vault	2 UNITS	@	\$	56.85 /EACH	\$ 113.70
Miscellaneous Field Supplies (PVC Casing)	1 EVENT	@	\$	50 /EVENT	\$ 50.00
Subtotal Direct Costs					\$ 354.60
Other Services					
WayJohn Surveying, Inc.	1 PROJECT	@	\$	2,000 /PROJECT	\$ 2,000.00
Subcontract Fee	10 PERCENT				\$ 200.00
Subtotal Subcontracted Services					\$ 2,200.00
Subtotal Task 8					\$ 4,007.60



INTERA COST ESTIMATE - RFP# 2011-0224-CSD/MS

July 21, 2011

YEAR 1

Task 9 - River Study Sampling Report					
Labor (Fieldwork)					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKirtick)	HOURS	@	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Galemore)	HOURS	@	\$	132.50 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	@	\$	110.00 /HOUR	\$ 0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	2 HOURS	@	\$	102.50 /HOUR	\$ 205.00
SMA Staff Scientist II/EIT (Bode, Earthman)	8 HOURS	@	\$	79.00 /HOUR	\$ 632.00
Scientist/Engineer II (Dalton, Romessor)	8 HOURS	@	\$	79.00 /HOUR	\$ 632.00
Senior Technician (Clark)	HOURS	@	\$	77.00 /HOUR	\$ 0.00
Senior CADD/Graphics (Biggs)	HOURS	@	\$	65.00 /HOUR	\$ 0.00
Senior Technical Editor (Serrano)	HOURS	@	\$	75.00 /HOUR	\$ 0.00
Project Associate (Hernandez)	HOURS	@	\$	55.00 /HOUR	\$ 0.00
Subtotal Labor (Fieldwork)					\$ 1,469.00
Labor (Reporting)					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKirtick)	HOURS	@	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Galemore)	HOURS	@	\$	132.50 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	@	\$	110.00 /HOUR	\$ 0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	4 HOURS	@	\$	102.50 /HOUR	\$ 410.00
SMA Staff Scientist II/EIT (Bode, Earthman)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Scientist/Engineer II (Dalton, Romessor)	24 HOURS	@	\$	79.00 /HOUR	\$ 1,896.00
Senior Technician (Clark)	HOURS	@	\$	77.00 /HOUR	\$ 0.00
Senior CADD/Graphics (Biggs)	2 HOURS	@	\$	65.00 /HOUR	\$ 130.00
Senior Technical Editor (Serrano)	2 HOURS	@	\$	75.00 /HOUR	\$ 150.00
Project Associate (Hernandez)	2 HOURS	@	\$	55.00 /HOUR	\$ 110.00
Subtotal Labor (Reporting)					\$ 2,696.00
Direct Costs					
Truck Rental	DAY	@	\$	55.00 /DAY	\$ 0.00
Mileage	130 MILES	@	\$	0.55 /MILE	\$ 71.50
Per Diem (Meals)	DAYS	@	\$	35.00 /DAY	\$ 0.00
Level C or D Health & Safety supplies (per person)	2 DAYS	@	\$	10.00 /DAY	\$ 20.00
Decontamination Supplies	2 DAYS	@	\$	7.00 /DAY	\$ 14.00
Miscellaneous Field Supplies	1 EVENTS	@	\$	50.00 /EVENT	\$ 50.00
Subtotal Direct Costs					\$ 185.50
Other Services					
Half Environmental	1 EVENT	@	\$	2,970.00 /EVENT	\$ 2,970.00
Subcontract Fee	10 PERCENT				\$ 297.00
Subtotal Subcontracted Services					\$ 3,267.00
Subtotal Task 9					\$ 7,587.50

Task 10 - River Study Sampling Report					
Labor					
Senior Scientist/Engineer I (Sigda)	HOURS	@	\$	150.00 /HOUR	\$ 0.00
SMA Senior Scientist/Engineer II (McKirtick)	HOURS	@	\$	135.00 /HOUR	\$ 0.00
Senior Scientist/Engineer II (Galemore)	12 HOURS	@	\$	132.50 /HOUR	\$ 1,590.00
SMA Senior Scientist/Engineer I (Eschenbacher)	HOURS	@	\$	110.00 /HOUR	\$ 0.00
Senior Scientist/Engineer IV (Tracy, Joseph)	40 HOURS	@	\$	102.50 /HOUR	\$ 4,100.00
SMA Staff Scientist II/EIT (Bode, Earthman)	HOURS	@	\$	79.00 /HOUR	\$ 0.00
Scientist/Engineer II (Dalton, Romessor)	80 HOURS	@	\$	79.00 /HOUR	\$ 6,320.00
Senior Technician (Clark)	HOURS	@	\$	77.00 /HOUR	\$ 0.00
Senior CADD/Graphics (Biggs)	20 HOURS	@	\$	85.00 /HOUR	\$ 1,700.00
Senior Technical Editor (Serrano)	24 HOURS	@	\$	75.00 /HOUR	\$ 1,800.00
Project Associate (Hernandez)	8 HOURS	@	\$	55.00 /HOUR	\$ 440.00
Subtotal Labor					\$ 18,580.00
Direct Costs					
Truck Rental	DAYS	@	\$	55.00 /DAY	\$ 0.00
Mileage	MILES	@	\$	0.55 /MILE	\$ 0.00
Per Diem (Meals)	DAYS	@	\$	35.00 /DAY	\$ 0.00
Miscellaneous Field Supplies	EVENTS	@	\$	25.00 /EVENT	\$ 0.00
Subtotal Direct Costs					\$ 0.00
Other Services					
Half Environmental	EVENTS	@	\$	EVENT	\$ 0.00
Subcontract Fee	10 PERCENT				\$ 0.00
Subtotal Subcontracted Services					\$ 0.00
Subtotal Task 10					\$ 18,580.00

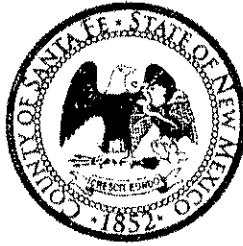
SUBTOTAL ALL TASKS					\$ 288,744.50
MARKUP (7.00%)					\$ 20,212.12
TOTAL ALL TASKS					\$ 308,956.62



Daniel "Danny" Mayfield
Commissioner, District 1

Virgina Vigil
Commissioner, District 2

Robert A. Anaya
Commissioner, District 3



Kathy Holian
Commissioner, District 4

Liz Stefanics
Commissioner, District 5

Catherine Miller
County Manager

MEMORANDUM

Date: August 30, 2011

To: Santa Fe County Board of County Commissioners

From: Colleen Baker, Open Space and Trails Program Manager, CSD

CC: Joseph Gutierrez, Director, Community Services Department

Re: *Request approval to award Contract #2011-0148-CSD/PL to Meridian Contracting, Inc. for construction services for the Santa Fe River Trail at El Camino Real Park in the amount of \$989,119.00 exclusive of GRT*

Issue:

The Santa Fe County Community Services Department/ Open Space & Trails Division requests authorization to enter into a contract with Meridian Contracting, Inc. for construction services for the Santa Fe River Trail at El Camino Real Park project. The construction includes approximately 5,300 feet of finished trail, including a parking area at the trailhead and two pedestrian steel truss bridges spanning the river.

Background:

In 2002 Santa Fe County purchased a Right-of-Way Easement from the NM State Land Office along the Santa Fe River northeast of the intersection of Airport Rd. and NM 599 under its Open Space and Trails Program for the purpose of protecting the floodplain as open space and developing a public trail along the river. In 2003 the City of Santa Fe, acting as the fiscal agent for the Camino Real River Connection (CRRC), a coalition of non-profit organizations, associations and public entities including the City and County of Santa Fe and the New Mexico State Land Office, received a grant from the Federal Highway Administration Scenic Byway Program to construct a trail within the County's Right-of-Way as part of a major trail network the City and County are collaborating on along the Santa Fe River.

The County entered into a Memorandum of Understanding with the City for the expenditure of the grant funding on the project. The Scenic Byway Program grant was \$151,352 with the City contributing an additional \$37,838 in matching funds for a total of \$189,190. The City has contributed \$69,263.25 to the design of the project. There is \$119,926.75 remaining on the grant that the City will contribute to the cost of the construction of the project. The balance of the funding for construction will come from the Joint Regional GRT funds budgeted for the Santa Fe River Trail.

The Purchasing and the Open Space & Trails Divisions solicited bids for the construction services for the trail. The solicitation was advertised in two newspapers, posted on the County Website and e-mailed to

twelve companies. A total of nineteen (19) companies attended the mandatory pre-bid conference and site visit. Four bids were received from the following construction companies:

Meridian Contracting, Inc.
AS Horner
Star Paving Company
Universal Contractor, Inc.

All bids were reviewed by the Purchasing staff and Meridian Contracting, Inc. was the lowest, responsive bidder.

Action Requested:

The Purchasing and Open Space & Trails Divisions request authorization to enter into a contract #2011-0148-CSD/PL with Meridian Contracting, Inc. for the construction services of the Santa Fe River Trail at El Camino Real Park in the amount of \$989,119.00 exclusive of GRT.

**AGREEMENT NO 2011-0148-CSD/PL
BETWEEN OWNER AND CONTRACTOR
FOR CONSTRUCTION (STIPULATED PRICE)**

THIS AGREEMENT is by and between Santa Fe County, (hereinafter "Owner") and Meridian Contracting, Inc., whose principal address is 3535 Princeton Drive NE, Albuquerque, NM 87107, a New Mexico corporation, (hereinafter referred to as "Contractor.")

Owner and Contractor hereby agree as follows:

ARTICLE 1 – WORK

- 1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows: Construction of a public trail of approximately 4,600 feet with two steel truss bridges. The trail will run along the Santa Fe River at the Camino Real Park in Santa Fe, NM.

ARTICLE 2 – THE PROJECT

- 2.01 The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows: Santa Fe County and the City of Santa Fe are collaborating to develop a greenway of public parks and trails along the Santa Fe River. In 2002, the County's Open Space & Trails Program purchased a right-of-way easement from the NM State Land Office along the Santa Fe River northeast of the intersection of Airport Road and NM 599 for the purpose of protecting the floodplain as open space, and developing a public trail along the Santa Fe River. In 2003 the City of Santa Fe, acting as fiscal agent for the Camino Real River Connection, a coalition of non-profit organizations, associations, and public entities including the City, the County and the NM State Land Office received a grant from the Federal Highway Administration Scenic Byway Program to construct a trail within the County's right-of-way. The City in cooperation with the County has completed the design for the trail and is ready to construct the trail and bridges.

ARTICLE 3 – ENGINEER AND OWNER'S PROJECT REPRESENTATIVE

- 3.01 The Project has been designed by Engineer Weston Solutions, Inc., 3840 Commons Avenue NE, Albuquerque, NM 87109 (hereinafter "Engineer") and Landscape Architect DesignWorkshop, 1390 Lawrence Street, Suite 200, Denver, CO 80204. For this construction project the Owner's Project Representative is to act as Owner's representative, assume all duties and responsibilities, and have the rights and authority assigned to the Project Representative in Contract No. 2011-0005-CSD/PL in connection with the completion of the Work in accordance with the Contract Documents. The

Engineer will assume all duties and responsibilities and have the rights assigned to it in the Contract No. 2011-0080-CSD/PL as amended.

ARTICLE 4 – CONTRACT TIMES

4.01 Time of the Essence

- A. All time limits for Milestones, if any, Substantial Completion, final Physical Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 Dates for Substantial Completion, Final Physical Completion and Final Payment

- A. The Work will be at Substantial Completion no later than 90 weather working days from the date of the Notice to Proceed issued by the Owner. Final Physical Completion shall be reached and complete no later than thirty (30) weather working days after the date of accepted Substantial Completion (construction project is a total of 120 weather working days).
- B. Weather working days shall include days when the river is not flowing or flow is low enough so as not to impact work, work areas, or equipment. If river flow is such that Contractor is unable to complete work and maintain the work schedule, Contractor shall notify the Project Representative and an Owner-approved Change Order to extend the Contract Time may be issued.

4.02 Liquidated Damages

- A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial loss if the Work is not completed within the time specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in a legal proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay Owner \$1,400 for each working day that expires after the time specified in Paragraph 4.02 by which Final Physical Completion is expected to be achieved until Final Physical Completion is actually achieved. If Contractor shall neglect, refuse, or fail to complete 100% of the Work by the date of Final Physical Completion or any proper extension thereof granted by Owner, Contractor shall pay Owner \$1,400 for each working day that expires after the time specified in Paragraph 4.02 above for Final Physical Completion and readiness for final payment until the Work is physically complete and ready for final payment.
- B. Liquidated damages shall not be assessed if an Owner-approved Change Order is issued extending the time for Final Physical Completion due to the Santa Fe river flow that prevents the Contractor from maintaining the work schedule within the Contract Time.

ARTICLE 5 – CONTRACT PRICE

5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents an amount in current funds equal to the sum of the amounts determined pursuant to Paragraphs 5.01.A, 5.01.B, and 5.01.C below:

A. For all Work other than Unit Price Work, a lump sum of Nine Hundred Eighty-Nine Thousand One Hundred Ninety-Nine (\$989,199.00) Dollars.

All specific cash allowances are included in the above price in accordance with Paragraph 11.02 of the General Conditions.

B. For all Unit Price Work, an amount equal to the sum of the established unit price for each separately identified item of Unit Price Work times the actual quantity of that item:

UNIT PRICE WORK

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
1	Site Clear and Grub	AC	4		
				\$2,000.00	\$8,000.00
2	Unclassified Excavation (on-site, including Placement & Compaction, cip)	CY	1460	\$6.25	\$9,125.00
3	Borrow, Haul, Placement & Compaction of suitable Fill Material (imported), cip	CY	1600	\$8.00	\$12,800.00
4	Subgrade Prep, 8" @ 95% (paved trail)	SY	5950	\$2.00	\$11,900.00
5	Subgrade Prep, 12" @ 95% (road, parking)	SY	2160	\$2.00	\$4,320.00
6	Shoulder Grading & Compaction, 6" @ 90% (2' Trail Shoulder)	SY	1310	\$2.00	\$2,620.00
7	Base Course, 4", place and compact (Trail base and 3' shoulder, incl, test sections)	SY	7600	\$6.00	\$45,600.00
8	Cold Millings Hauling & Placement, 6", compacted in place (Road & Parking)	SY	2160	\$5.00	\$10,800.00

9	Natural-Pave Test Section (Materials only)	ALLOW	1	\$8,000.00	\$8,000.00
10	Installation of Natural-Pave Test Section	SY	89	\$40.00	\$3,560.00
11	Filter-Pave Test Section (Materials, Mfr. Oversight)	ALLOW	1	\$10,000.00	\$10,000.00
12	Installation of Filter-Pave Test Section	SY	89	\$25.00	\$2,225.00
13	Flexi-Pave Test Section (Materials, Mfr. Install)	ALLOW	1	\$12,000.00	\$12,000.00
14	Coordinate Mfr. Installation of Flexi-Pave Test Section	SY	89	\$40.00	\$3,560.00
15	Asphalt Path, Type SP-IV, 2" thick, machine laydown, cip	SY	5950	\$11.000	\$65,450.00
16	Concrete Sidewalk, 4"	SY	8	\$70.00	\$560.00
17	6" PCC Concrete Slab on grade (HC parking and curb ramp), including subgrade prep	SY	125	\$70.00	\$8,750.00
18	170' Prefabricated Weathering Steel Bridge, installed	EA	1	\$255,000.00	\$255,000.00
19	134' Prefabricated Weathering Steel Bridge, installed	EA	1	\$190,000.00	\$190,000.00
20	Class A Str. Conc. Bridge Abutments, Wing Walls with Form Liner finish, cip	CY	30	\$850.00	\$25,500.00
21	Class A Substructure Concrete (wing wall footings)	CY	7	\$800.00	\$5,600.00
22	Drilled Shaft Concrete Foundation, 18" dia.	LF	410	\$75.00	\$30,750.00
23	Riprap, Class D (Derrick Stone), Complete in Place	CY	220	\$145.00	\$31,900.00
24	SWPPP Management	ALLOW	1	\$6,000.00	\$6,000.00
25	SWPPP Implementation	LS	1	\$10,000.00	\$10,000.00
26	Protection of Project from Water during Construction	LS	1	\$4,500.00	\$4,500.00

27	Geotextile, Class 1, installed	SY	530		\$2.50	\$1,325.00
28	3-Bar Pedestrian/Bicycle Railing, Unpainted	LF	64		\$90.00	\$5,760.00
29	Traffic Control/Barricading	LS	1		\$7,000.00	\$7,000.00
30	Construction Mobilization/Demobilization	LS	1		\$90,151.00	\$90,151.00
31	Landscape Boulder, 2'-3' diameter, cip	EA	5		\$250.00	\$1,250.00
32	Native Seeding/Revegetation	AC	6		\$3,000.00	\$18,000.00
33	Parking Bumpers, 6', installed	EA	20		\$50.00	\$1,000.00
34	Post and Cable Barrier, installed	LF	970		\$16.00	\$15,520.00
35	Removeable Guard Post (bollard)	EA	6		\$650.00	\$3,900.00
36	Aluminum Panel Sign with Post, cip	EA	6		\$100.00	\$600.00
37	Retro-Reflective Painted Stripe, 4" width	LF	135		\$1.00	\$135.00
38	Retro-Reflective Painted Pavement Marking "No Parking"	EA	1		\$150.00	\$150.00
39	Retro-Relective Painted Pavement Marking Accessible Parking Symbol	EA	2		\$150.00	\$300.00
40	Construction Staking	LS	1		\$18,000.00	\$18,000.00
41	Post Construction Plans (Record Drawings, as-built survey)	LS	1		\$3,000.00	\$3,000.00
42	Testing Allowance	ALLOW	1		\$10,000.00	10,000.00
Base Bid Subtotal						\$954,611.00

The Bid prices for Unit Price Work set forth as of the Effective Date of the Agreement are based on estimated quantities. As provided in Paragraph 11.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual

quantities and classifications are to be made by the Resident Project Representative as provided in Paragraph 9.07 of the General Conditions.

ALTERNATE

Item No.	<u>Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
43	Cold Millings Hauling and Placement, 4", compacted in place (trail subgrade)	SY	2160	\$4.00	\$8,640.00
44	2" Type SP III Asphalt for parking and access road surfacing	SY	2160	\$11.00	\$23,760.00
45	6" PCC Concrete Slab on grade (crosswalk), including subgrade prep	SY	26	\$70.00	\$1,820.00
46	Retro-Reflective Painted Stripe, 4"	LF	288	\$1.00	\$288.00
Additive Alternate #1 Subtotal					\$34,508.00
Base Bid Plus Alternate #1: Total Bid					\$989,119.00

Note: Bid amounts are exclusive of New Mexico gross receipt tax.

ARTICLE 6 – PAYMENT PROCEDURES

6.01 *Submittal and Processing of Payments*

- A. Contractor shall submit Applications for Payment in accordance with Article 14 of the General Conditions. Applications for Payment will be processed by the Owner's Resident Project Representative and Engineer as provided in the General Conditions and Supplemental Conditions.

6.02 *Progress Payments; Retainage*

- A. Owner shall make progress payments on account of the Contract Price on the basis of Contractor's Applications for Payment on or about the last day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below. All such payments will be measured by the schedule of values established as provided in Paragraph 2.07.A of the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no schedule of values, as provided in the General Requirements.
 - 1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as the Resident Project Representative or Owner may determine, Owner may withhold, including but not limited to liquidated damages, in accordance with Paragraph 14.02 of the General Conditions.
- B. Upon Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to the percentage of the Work completed, less such amounts as Owner shall determine in accordance with Paragraph 14.02.B.5 of the General Conditions.

6.03 *Final Payment*

- A. Upon Final Physical Completion and acceptance of the Work in accordance with Paragraph 14.07 of the General Conditions, Owner shall pay the remainder of the Contract Price as recommended by the Resident Project Representative as provided in said Paragraph 14.07.

ARTICLE 7 – INTEREST

7.01 *Intentionally Omitted.*

ARTICLE 8 – CONTRACTOR'S REPRESENTATIONS

- 8.01 In order to induce Owner to enter into this Agreement, Contractor makes the following representations:
 - A. Contractor has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.
 - B. 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, and performance of the Work.
 - C. Contractor is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.

- D. Contractor has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities), if any, that have been identified in Paragraph SC-4.02 of the Supplementary Conditions as containing reliable "technical data," and (2) reports and drawings of Hazardous Environmental Conditions, if any, at the Site that have been identified in Paragraph SC-4.06 of the Supplementary Conditions as containing reliable "technical data."
- E. Contractor has considered the information known to Contractor; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Site-related reports and drawings identified in the Contract Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Contract Documents; and (3) Contractor's safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 8.01.E above, Contractor does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.
- G. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
- H. Contractor has given Owner written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Owner is acceptable to Contractor.
- I. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

ARTICLE 9 – CONTRACT DOCUMENTS

9.01 *Contents*

- A. The Contract Documents consist of the following:
 - 1. This Construction Contract.
 - 2. Performance Bond for 100% of the Contract Sum.
 - 3. Payment Bond for 100% of the Contract Sum.

4. Standard General Conditions of the Construction Contract.
5. Santa Fe County's Supplemental Conditions to the General Conditions.
6. Engineer's Specifications and Plans.
7. Engineer's Drawings consisting of 25 sheets with each sheet bearing the following general title: COVER SHEET; GENERAL NOTES; SUMMARY OF QUANTITIES; EXISTING CONDITIONS PLAN; TYPICAL SECTIONS, TRAIL PLAN AND PROFILE; PLAN AND PROFILE AND LINE AND CURVE TABLES; ENTRANCE TRAIL PLAN AND PROFILE; ENTRANCE ROAD AND PLAN AND PROFILE; TRAILHEAD PARKING LOT GRADING AND FENCING; EARTHWORK CROSS SECTIONS; EARTHWORK VOLUME TABLES; CLEARING AND SEEDING PLAN; BRIDGE DETAILS; TRAILHEAD AND PARKING DETAILS.
8. New Mexico Highway and Transportation Department (NMDOT) Standard Specifications for Highway and Bridge Construction, 2007 Ed.
9. Supplemental Technical Specifications for Prefabricated Steel Truss Bridge.
10. NMDOT Minimum Testing Requirements
11. Owner's Notice to Contractors Regarding Test Paving Sections
12. Owner's Notice to Contractors Regarding Testing
13. Engineer's Notice to Contractors Regarding Contract Time and Work Limitations.
14. Addendum No. 1, dated June 24, 2011, 20 pages (including attendance roster & Geo-Test), Addendum No. 2, dated July 15, 2011, 32 pages (including revised Bid Sheet, Wage Determination, information pertaining to test pavement)
15. Exhibits to this Agreement (enumerated as follows):
 - a. Contractor's Bid (Exhibit A-9).
 - b. Documentation submitted by Contractor prior to Notice of Award.
 - c. Contractor's Non-Collusion Affidavit.
 - d. Non-Collusion Affidavit of Subcontractors.
 - e. Contractor's Certification Regarding Equal Employment Opportunity.
 - f. All Subcontractors' Certifications Regarding Equal Employment Opportunity.
 - g. Contractor's Subcontractor Listing.

16. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:

- a. Notice to Proceed.
- b. Work Change Directives.
- c. Change Orders.

B. The documents listed in Paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).

C. There are no Contract Documents other than those listed above in this Article 9.

D. The Contract Documents may only be amended, modified, or supplemented as provided in Paragraph 3.04 of the General Conditions.

ARTICLE 10 – MISCELLANEOUS

10.01 *Terms*

A. Terms used in this Agreement will have the meanings stated in the General Conditions and the Supplementary Conditions.

10.02 *Assignment of Contract*

A. No assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

10.03 *Successors and Assigns*

A. Owner and Contractor each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

10.04 *Severability*

A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Contractor, who agree that the

Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

10.05 *Contractor's Certifications*

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 10.05:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process or in the Contract execution;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
 - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

10.06 *Other Provisions*

1. Not applicable.

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement. Counterparts have been delivered to Owner and Contractor. All portions of the Contract Documents have been signed or have been identified by Owner and Contractor or on their behalf.

This Agreement will be effective on _____, 2011 (which is the Effective Date of the Agreement).

OWNER:

CONTRACTOR MERIDIAN

CONTRACTING, INC.

Date: _____

D. T. Hawthorn Date: 8/19/11

By: Virginia Vigil

By: D. T. Hawthorn

Chair, Santa Fe County Board of County

Title: Commissioners

Title: PRESIDENT

(If Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest Valerie Espinoza

Attest: Maura E. Nolan

Title: Santa Fe County Clerk

Title: Contract Manager

Address for giving notices:

102 Grant Avenue

Address for giving notices:

3535 Princeton Drive NE

P.O. Box 276

Albuquerque, NM 87107

Santa Fe, New Mexico 87504

License No.: 365469

(Where applicable)

(If Owner is a corporation, attach evidence of authority to sign. If Owner is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Agreement.)

Agent for service of process:

APPROVED AS TO FORM:

Stephen C. Ross
Stephen C. Ross
Santa Fe County Attorney

Date: August 19, 2011

FINANCE DEPARTMENT:

Teresa C. Martinez
Teresa C. Martinez
Director, Finance Department

Date: 8/22/2011

CONTRACTING, INC.

Date: _____

Date: _____

By: Virginia Vigil

By: _____

Chair, Santa Fe County Board of County
Title: Commissioners

Title: _____

(If Contractor is a corporation, a partnership,
or a joint venture, attach evidence of authority
to sign.)

Attest

Valerie Espinoza

Attest: _____

Title: Santa Fe County Clerk

Title: _____

Address for giving notices:

Address for giving notices:

102 Grant Avenue

3535 Princeton Drive NE

P.O. Box 276

Albuquerque, NM 87107

Santa Fe, New Mexico 87504

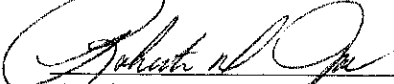
License No.: 365469

(Where applicable)

(If Owner is a corporation, attach evidence
of authority to sign. If Owner is a public body,
attach evidence of authority to sign and resolution
or other documents authorizing execution
of this Agreement.)

Agent for service of process:

APPROVED AS TO FORM:



Date: August 19, 2011

Stephen C. Ross
Santa Fe County Attorney

FINANCE DEPARTMENT:

Date: _____

Teresa C. Martinez
Director, Finance Department

**CONSTRUCTION OF SANTA FE RIVER TRAIL
AT EL CAMINO REAL PARK**

**SANTA FE COUNTY'S
SUPPLEMENTAL CONDITIONS
TO THE
STANDARD GENERAL CONDITIONS OF
CONSTRUCTION CONTRACT 2011-0148-CSD/PL**

These Supplementary Conditions amend or supplement the Standard General Conditions of the Construction Contract (EJCDC C-700) as indicated below. All provisions and sections of the Standard General Conditions which are not expressly deleted, amended, or supplemented remain in full force and effect.

ARTICLE 1, Section 1.01 *Defined Terms*

Paragraph A.9 Delete the definition of *Change Order* and replace it with the following:

9. *Change Order* – A document signed by the Owner and Contractor and approved by the Santa Fe Board of County Commissioners or Santa Fe County Manager, that authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price of the Contract Times, issued on or after the Effective date of the Agreement.

Designate as “32” and re-number all subsequent designations, a definition as follows:

32. *Final Physical Completion* – All the work is physically completed on the Project and it is accepted by the Project Representative and Owner, and that the Engineer has issued a Final Notice of Acceptability.

Paragraph A.36 Delete the definition of *Resident Project Representative* and replace it with the following:

37. Project Representative — The authorized representative of Owner who may be assigned to the construction Site or any part thereof.

Section 2.03 *Commencement of Contract Times; Notice to Proceed*

The first sentence of Paragraph A is deleted and replaced with the following:

The Contract Time will commence to run on the date indicated in the Notice to Proceed issued by Owner.

ARTICLE 3, Section 3.01 *Intent*

Section 3.03.B *Resolving Discrepancies* is deleted in its entirety and replaced with the following:

B. Resolving Discrepancies and Conflicts

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the Contract Documents shall take precedence, in the order outlined in Article 9- CONTRACT DOCUMENTS, Section 9.01 of the Agreement between Owner and Contractor for Construction Contract (Stipulated Price), in resolving any ambiguity, or discrepancy between the provisions of the Contract Documents and:

- a. the provisions of any standard, specification, manual, code, or instruction (whether or not specifically incorporated by reference in the Contract Documents); or
- b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

The NMDOT Standard Specifications for Roads and Bridges, 2007 Ed. and the NMDOT Minimum Testing Requirements are being incorporated into and adopted for the construction of this project only to the extent that the Standard Specification and Minimum Testing Requirements pertain to technical specifications for construction and testing of materials in the construction of this trail and the bridges. Any contract management or contract administration requirements and provisions for this project are governed by the Construction Contract, Standard General Terms and Conditions and Santa Fe County's Supplemental Terms and Conditions.

2. In conflicts within the Construction Documents that pertain to contract administration, implementation and contract management procedures, the most restrictive and otherwise most beneficial to the Owner shall apply. Other rules for conflict within contract management documents are:

- The Construction Contract and Supplemental Conditions shall govern over conflicting provisions of the Standard General Terms and Conditions;
- The Construction Contract, Standard General Terms and Conditions, and the Supplemental Terms and Conditions shall govern over the Engineer's Notice to Contractors Regarding Contract Time and Work Limitations;
- The Construction Contract, Standard General Terms and Conditions, and the Supplemental Terms and Conditions shall govern over the NMDOT Standard Specifications for Road and Bridges, 2007 Ed.

3. In conflicts within the Construction Documents that pertain to technical specifications, materials, standards and quality control of materials or the Work, the most restrictive and otherwise most beneficial to the Owner shall apply. Other rules for conflict within technical Work specifications and standards are:

- Addenda shall govern over all other technical specifications of the Work and subsequent addenda shall govern over earlier addenda;

- The Engineer's Specifications shall govern over the Drawings;
- Within the drawings a schedule, when identified as such shall govern over notes or other directions, specific notes shall govern over general notes, dimensions shall prevail over scaled measurement and large scale drawings shall govern over smaller scale drawings;
- The Engineer's Plans, Specifications and Drawings shall govern over the NMDOT Standard Specifications for Roads and Bridges, 2007 Ed.
- The Supplemental Technical Specifications for Prefabricated Steel Truss Bridges shall govern over the Engineer's Plans, Specifications and Drawings and the NMDOT Standard Specifications for Roads and Bridges;
- The NMDOT Minimum Testing Requirements shall govern over the Standard General Terms and Conditions.

Section 3.04.A the following sentence is added: Any change in the Contract Times or Contract Sum shall be completed through a Change Order. No Change Order is effective or valid until approved by the Santa Fe County Manager or Santa Fe Board of County Commissioners.

Section 3.04.B, the first sentence is deleted and replaced with the following:

The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work that do not change the Contract Time or Contract Sum may be authorized, by one or more of the following ways:

Section 3.06.A. After all references to "Engineer" insert "or Project Representative."

ARTICLE 4

Section 4.06 *Hazardous Environmental Conditions at Site* Delete Paragraphs 4.06.D and E and replace them with the following:

D. If Contractor encounters a Hazardous Environmental Condition or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Condition, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such condition and in any area affected thereby (except an emergency as required by Paragraph 6.16.A); and (iii) notify Owner. Owner shall promptly evaluate such condition and take corrective action to make such condition non-hazardous.

E. Contractor shall not be required to resume Work in connection with such conditions or in any affected area until after Owner has resolved the condition so as to make it non-hazardous.

ARTICLE 5 – BONDS AND INSURANCE

Section 5.01.A. Delete 5.01.A. and replace it with the following:

Section 5.01 *Contractor's Insurance*

A. The Contractor shall purchase from and maintain in a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located such insurance as will protect the Contractor from claims set forth below which may arise out of or result from the Contractor's operations under the Contract and for which the Contractor may be legally liable, whether such operations be by the Contractor or by a Subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

1. claims under workers' compensation, disability benefit and other similar employee benefit acts which are applicable to the Work to be performed;
2. claims for damages because of bodily injury, occupational sickness or disease, or death of the Contractor's employees;
3. claims for damages because of bodily injury, sickness or disease, or death of any person other than the Contractor's employees;
4. claims for damages insured by usual personal injury liability coverage;
5. claims for damages, other than to the Work itself, because of injury to or destruction of tangible property, including loss of use resulting therefrom;
6. claims for damages because of bodily injury, death of a person or property damage arising out of ownership, maintenance or use of a motor vehicle;
7. claims for bodily injury or property damage arising out of completed operations; and
8. claims involving contractual liability insurance applicable to the Contractor's obligations under Paragraph 6.20.

The insurance required by this section shall be written for not less than limits of liability specified in the Contract Documents or required by law, whichever coverage is greater. Coverages, whether written on an occurrence or claims-made basis, shall be maintained without interruption from date of commencement of the Work until date of final payment and termination of any coverage required to be maintained after final payment.

The limits for Workers' Compensation and Employer's Liability insurance shall be as follows:

1. Workers' Compensation:
 - a. State: Statutory
 - b. Applicable Federal (e.g. Longshoremen's): Statutory
2. Employer's Liability: \$500,000 per Accident
\$500,000 Disease, Policy Limit
\$500,000 Disease, Each Employee

The limits for Commercial General Liability Policy, including coverage for Premises-Operations, Independent Contractors' Protective, Products-Completed Operations, Contractual Liability, Personal Injury and Broad Form Property Damage (including coverage for Explosion, Collapse and Underground hazards) shall be as follows:

\$1,050,000 each occurrence
\$2,100,000 General Aggregate

\$2,100,000 Personal and Advertising Injury

\$2,100,000 Products-Completed Operations Aggregate

1. The policy shall be endorsed to have the General Aggregate apply to this Project only.
2. The Contractual Liability insurance shall include coverage sufficient to meet the obligations in Paragraph 6.20.
3. Products Completed Operations insurance shall be maintained for a minimum period of at least one year after final payment.

Automobile Liability insurance (owned, non-owned and hired vehicles) for bodily injury and property damage shall be as follows:

\$2,000,000 Each Accident

Certificates of insurance acceptable to the Owner shall be filed with the Owner prior to commencement of the Work. These certificates and the insurance policies required by this section shall contain a provision that coverages afforded under the policies will not be canceled or allowed to expire until at least 30 days' prior written notice has been given to the Owner. If any of the foregoing insurance coverages are required to remain in force after final payment and are reasonably available, an additional certificate evidencing continuation of such coverage shall be submitted with the final Application for Payment. Information concerning reduction of coverage on account of revised limits or claims paid under the General Aggregate, or both, shall be furnished by the Contractor with reasonable promptness in accordance with the Contractor's information and belief.

Section 5.01.B. Insert the following at the beginning of 5.01.B:

B. Contractor shall provide Performance and Payment Bonds each for 100% of the Contract Sum. Any subcontractors who are to perform work valued at \$125,000 or more on this project, shall also provide evidence or a certificate of a Performance and Payment bond for 100% of the value of the work the subcontractor is to provide. Evidence or proof of all bonds required herein shall be provided to Owner in no less than three (days) after the date in the Notice to Proceed.

Section 5.04 *Contractor's Insurance* Delete 5.04.A.1. through 5.04.A.6. in their entirety.

Section 5.04.B. References to "Paragraphs 5.04.A through 5.04.A.6. are replaced with "Paragraph 5.01."

Section 5.07.B Delete 5.07.B.1 through 5.07.C in their entirety.

ARTICLE 6 – CONTRACTOR'S RESPONSIBILITIES

Section 6.07.B. Delete 6.07.B. it its entirety.

Section 6.16.A. All references to "Engineer" are deleted and replaced with "Project Representative."

Section 6.17.A. through 6.17.E All references to "Engineer" are deleted and replaced with "Project Representative."

Section 6.19.A through C. After all references to "Engineer" insert "or Project Representative."

Section 6.19. The following are added to 6.19 as paragraphs D and E.

D. Contractor shall furnish a written warranty of workmanship to the Owner that warrants Contractor's work for minimum period of one (1) year following Final Physical Completion of the Work.

E. At the completion of the construction, Contractor shall provide Owner with two (2) copies or sets of all warranties, maintenance information, and the names and phone numbers of contacts for all service and maintenance operations or instructions for all systems or equipment constructed or installed as part of this construction project.

Section 6.21.B through D. After all references to "Engineer" insert "or Project Representative."

ARTICLE 8 – OWNER'S RESPONSIBILITIES

Section 8.01.A is amended by inserting the words "its Project Representative and" between "through" and "Engineer."

ARTICLE 9 – ENGINEER'S STATUS DURING CONSTRUCTION The title to this Article is amended to read: **ENGINEER AND OWNER'S PROJECT REPRESENTATIVE'S STATUS DURING CONSTRUCTION**

Section 9.01 is deleted in its entirety and replaced with the following:

9.01 Owner's Representative

A. The Project Representative will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of the Project Representative during construction and post-construction are set forth in the Agreement between Owner and Project Representative No. 2011-0005-CSD/PL.

Section 9.03 *Project Representative* is deleted in its entirety and replaced with the following:

A. Owner will furnish a Project Representative to assist Owner in providing daily observation and oversight of the Work. The responsibilities and authority and limitations thereon of the Owner's Project Representative will be as provided in the Agreement between the Owner and Project Representative No. 2011-0005-CSD/PL.

Section 9.04 After the word "Engineer" insert "or Project Representative."

Section 9.06.A through D. After all references to "Engineer's" insert "or Project Representative's."

Section 9.07.A All reference to "Engineer" are deleted and replaced with "Project Representative."

Section 9.08.A and B All references to “Engineer” are deleted and replaced with “Project Representative.”

Section 9.08.C and D are deleted in their entirety.

Section 9.08.A through D After all references to “Engineer” insert “or Project Representative.”

Section 9.09.E. is deleted in its entirety.

Section 9.10.A After “Engineer’s” insert the words “or Project Representative’s.”

ARTICLE 10 – CHANGES IN THE WORK; CLAIMS

Section 10.1.A Add the following sentence to the end of 10.1.A:

No Change Order or Work Change Order that changes the Contract Times or Contract Sum are valid and effective until signed by the Santa Fe County Manager or Santa Fe Board of County Commissioners.

Section 10.03.A After the word “Engineer” insert “or Project Representative.”

Section 10.03.A.3 Delete the word “Engineer” and replace it with “Project Representative.”

Section 10.05.A through F All references to “Engineer” are deleted and replaced with “Project Representative.”

ARTICLE 11 – COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

Section 11.01 *Cost of the Work* Section 11.01.A is deleted in its entirety and replaced with the following:

A. *Cost of the Work* The term Cost of Work means the sum of all unit costs, except those excluded by Paragraph 11.01.B., represented by the Contractor in its bid for the proper performance of the Work and any approved alternate, and as negotiated between and agreed upon by Owner and Contractor. Cost of Work includes on the following items:

Section 11.01.C *Contractor’s Fee* is deleted in its entirety.

Section 11.02.D. Delete this paragraph in its entirety.

ARTICLE 12 – CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

Section 12.01.A is deleted and replaced with the following;

A. The Contract Price may only be changed by Change Order approved by the Santa Fe County Manager or Santa Fe County Board of Commissioners.

Section 12.01.C.1 through 12.01.C.2.f. is deleted in its entirety and replaced with the following:

C. If Owner or Project Representative conclude that a change in the Contract Documents is required, a Work Change Directive or a Change Order may be issued to reflect and document such consequences. An equitable adjustment may be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the unanticipated or unforeseen occurrences that were not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have

anticipated. The allowance for the combined overhead (general administration overhead, supervision, project insurance, submittal preparation and processing) and profit included in the total cost of Change Orders and Change Directives to the Owner shall be based on the following schedule:

<u>Entity Performing Work</u>	<u>\$0 - \$5,000.00</u>	<u>\$5,000.00 or more</u>
Contractor for work performed by own forces	15%	12%
Contractor for work performed by Subcontractor	5%	3%
Subcontractor for work performed by own forces	10%	7%
Subcontractor for work performed by Sub-subcontractor	5%	3%

Section 12.03.A is deleted in its entirety and replaced with the following:

A. Where Contractor is prevented from completing any part of the Work within the Contract Time due to delay beyond the control of Contractor, the Contract Times may be extended. Delays beyond the control of Contractor shall include, but not be limited to, acts of neglect by Owner, acts or neglect of utility owners or other contractors performing other work as contemplated by Article 7, fires, flood, epidemics, abnormal weather conditions including water flow in the Santa Fe River that prevents Contractor from completing the Work, or acts of God.

Section 12.03.B and D After all references to “Engineer” insert “or Project Representative.”

ARTICLE 13 – TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

Sections 13.01.A and 13.02.A After all references to “Engineer” insert “or Project Representative.”

Section 13.03.A through F, and 13.04.A through D All references to “Engineer” are deleted and replaced with “Project Representative.”

Section 13.06.A After the word “Engineer” insert “or Project Representative.”

Section 13.09 All references to “Engineer” are deleted and replaced with “Project Representative.”

ARTICLE 14 – PAYMENT TO CONTRACTOR AND COMPLETION

Sections 14.01 and 14.02.A.1 All references to “Engineer” are deleted and replaced with “Project Representative.”

Section 14.02.A.3 is deleted in its entirety and replaced with the following:

1. The Owner may withhold from progress payments any liquidated damages which the Owner determines to be owed by the Contractor for its failure to timely meet work objectives according to the progress schedule.

Sections 14.02.B. – D All references to “Engineer” are replaced with “Resident Project Representative.”

Section 14.02.B.2 Delete the word “design.”

Section 14.02.C.1 Reference to “Ten” is deleted and replaced with “Within twenty-one (21).”

Section 14.04.A through C are deleted in their entirety and replaced with:

- A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Project Representative and Owner in writing that the entire Work is substantially completed (except for items specifically listed by Contractor as incomplete) and request that Project Representative in consultation with Engineer issue a certificate of Substantial Completion.
- B. Promptly after Contractor’s notification, Owner, Contractor, Engineer and Project Representative shall make an inspection of the Work to determine the status of completion. If Project Representative in consultation with Engineer do not consider the Work substantially complete, Project Representative will notify Contractor in writing giving the reasons therefor.
- C. If after consultation with Engineer, Project Representative considers the Work substantially complete, Project Representative will deliver to Owner a tentative certificate of Substantial Completion which shall fix the date of Substantial Completion. There shall be attached to the certificate a tentative list of items to be completed or corrected before final payment. Owner shall have seven days after receipt of the tentative certificate during which to make written objection to Project Representative as to any provision of the certificate or attached list. If, after considering such objections, Project Representative concludes that the Work is not substantially complete, Project Representative will, within 14 days after submission of the tentative certificate to Owner, notify Contractor in writing, stating the reasons therefor. If, after consideration of Owner’s objections, Project Representative in consultation with Engineer, considers the Work substantially completed, Project Representative will, within said 14 days, execute and deliver to Owner and Contractor a definitive certificate of Substantial Completion (with a revised tentative list of items to be completed or corrected) reflecting such changes from the tentative certificate as Project Representative believes justified after consideration of any objections from Owner.

Section 14.04.D All references to “Engineer” are deleted and replaced with “Project Representative.”

Section 14.05.A References to “Engineer” are replaced with “Resident Project Representative.”

Section 14.06.A is deleted in its entirety and replace with the following:

- A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Project Representative in consultation with Engineer, will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work is incomplete

or defective. Contractor shall immediately take such measure as are necessary to complete such Work or remedy such deficiencies.

Section 14.07.A through C and 14.08 All references to "Engineer" are deleted and replaced with "Project Representative."

Section 14.07.C.1 Delete the word "Thirty" and replace it with "No later than 21".

ARTICLE 15 –SUSPENSION OF WORK AND TERMINATION

Section 15.01.A The reference to "Engineer" is deleted and replaced with "Project Representative."

Section 15.02.A.3 The reference to "Engineer" is deleted and replaced with "Project Representative."

Section 15.02.C. Delete 15.02.C. in its entirety and replaced with the following:

C. If Owner proceeds as provided in Paragraph 15.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals or other dispute resolution costs) sustained by Owner arising out of or related to completing the Work, such excess will be paid to Contractor. If such claims, losses, and damage exceed the unpaid balance, Contractor shall pay the difference to Owner.

Section 15.03.A *Owner May Terminate for Convenience* Delete 15.03.A.1 - 4 in its entirety and replace it with the following:

15.03.A Upon seven days written notice to Contractor, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case the Contractor shall be paid for completed and accepted Work executed in accordance with the Contract Documents prior to the effective date of termination taking into consideration expenses sustained by Contractor prior to the effective date of termination and expenses attributable to termination.

Section 15.04.A and 15.04.B Delete 15.04.A and 15.04.B in their entirety and replace them with the following:

A. If, through no act or fault of Contractor, (i) the Work is suspended for more than 90 consecutive days by Owner or under an order of court, or (ii) Owner fails for more than 21 days to pay Contractor any sum due, then Contractor may, upon seven days written notice to Owner, and provided Owner does not remedy such suspension or failure within that time, terminate the Contract and recover from Owner payment on the terms provided in Section 15.03.

B. In lieu of terminating and without prejudice to any other right or remedy, if Owner has failed for more than 21 days to pay Contractor any sum Owner determines is due Contractor, Contractor may, with seven days written notice, stop the Work until Owner makes payment.

ARTICLE 16 – DISPUTE RESOLUTION

Section 16.01.A through C are deleted in their entirety and replaced with the following:

A. Claims, disputes, or other matters in controversy arising out of or related to the Contract except those waived, shall be subject to mediation to the extent required by the Public Works Mediation Act, § 13-4C-1 et seq. NMSA 1978. All other claims and disputes shall be litigated in the State of New Mexico, District Court for the First Judicial District, Santa Fe, New Mexico. Contractor irrevocably consents to the jurisdiction of such Court and agrees to accept service of a summons and complaint by mail to commercial courier service in accordance with Rule 1-004(E)(3) NMRA.

ARTICLE 17 – MISCELLANEOUS

Section 17.02 *Computation of Times* In the second sentence delete the words “law of the applicable jurisdiction” and replace with “law, regulation, or ordinance of Santa Fe County,”

Section 17.05 *Controlling Law* Delete 17.05 in its entirety and replace it with the following:

17.05 *Controlling Law* This Contract shall be construed, governed and enforced in accordance with the laws of the State of New Mexico.

This document has important legal consequences; consultation with an attorney is encouraged with respect to its use or modification. This document should be adapted to the particular circumstances of the contemplated Project and the controlling Laws and Regulations.

STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

Prepared by

ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

and

Issued and Published Jointly by

ACEC

AMERICAN COUNCIL OF ENGINEERING COMPANIES



ASCE American Society
of Civil Engineers

P/E National Society of
Professional Engineers
Professional Engineers in Private Practice

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Endorsed by



CONSTRUCTION SPECIFICATIONS INSTITUTE

These General Conditions have been prepared for use with the Suggested Forms of Agreement Between Owner and Contractor (EJCDC C-520 or C-525, 2007 Editions). Their provisions are interrelated and a change in one may necessitate a change in the other. Comments concerning their usage are contained in the Narrative Guide to the EJCDC Construction Documents (EJCDC C-001, 2007 Edition). For guidance in the preparation of Supplementary Conditions, see Guide to the Preparation of Supplementary Conditions (EJCDC C-800, 2007 Edition).

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1420 King Street, Alexandria, VA 22314-2794
(703) 684-2882
www.nspe.org

American Council of Engineering Companies
1015 15th Street N.W., Washington, DC 20005
(202) 347-7474
www.acec.org

American Society of Civil Engineers
1801 Alexander Bell Drive, Reston, VA 20191-4400
(800) 548-2723
www.asce.org

Associated General Contractors of America
2300 Wilson Boulevard, Suite 400, Arlington, VA 22201-3308
(703) 548-3118
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STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

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ARTICLE 1 – DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

- A. Wherever used in the Bidding Requirements or Contract Documents and printed with initial capital letters, the terms listed below will have the meanings indicated which are applicable to both the singular and plural thereof. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.
1. *Addenda*—Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.
 2. *Agreement*—The written instrument which is evidence of the agreement between Owner and Contractor covering the Work.
 3. *Application for Payment*—The form acceptable to Engineer which is to be used by Contractor during the course of the Work in requesting progress or final payments and which is to be accompanied by such supporting documentation as is required by the Contract Documents.
 4. *Asbestos*—Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.
 5. *Bid*—The offer or proposal of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.
 6. *Bidder*—The individual or entity who submits a Bid directly to Owner.
 7. *Bidding Documents*—The Bidding Requirements and the proposed Contract Documents (including all Addenda).
 8. *Bidding Requirements*—The advertisement or invitation to bid, Instructions to Bidders, Bid security of acceptable form, if any, and the Bid Form with any supplements.
 9. *Change Order*—A document recommended by Engineer which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, issued on or after the Effective Date of the Agreement.
 10. *Claim*—A demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both, or other relief with respect to the terms of the Contract. A demand for money or services by a third party is not a Claim.
 11. *Contract*—The entire and integrated written agreement between the Owner and Contractor concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral.

12. *Contract Documents*—Those items so designated in the Agreement. Only printed or hard copies of the items listed in the Agreement are Contract Documents. Approved Shop Drawings, other Contractor submittals, and the reports and drawings of subsurface and physical conditions are not Contract Documents.
13. *Contract Price*—The moneys payable by Owner to Contractor for completion of the Work in accordance with the Contract Documents as stated in the Agreement (subject to the provisions of Paragraph 11.03 in the case of Unit Price Work).
14. *Contract Times*—The number of days or the dates stated in the Agreement to: (i) achieve Milestones, if any; (ii) achieve Substantial Completion; and (iii) complete the Work so that it is ready for final payment as evidenced by Engineer's written recommendation of final payment.
15. *Contractor*—The individual or entity with whom Owner has entered into the Agreement.
16. *Cost of the Work*—See Paragraph 11.01 for definition.
17. *Drawings*—That part of the Contract Documents prepared or approved by Engineer which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.
18. *Effective Date of the Agreement*—The date indicated in the Agreement on which it becomes effective, but if no such date is indicated, it means the date on which the Agreement is signed and delivered by the last of the two parties to sign and deliver.
19. *Engineer*—The individual or entity named as such in the Agreement.
20. *Field Order*—A written order issued by Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or the Contract Times.
21. *General Requirements*—Sections of Division 1 of the Specifications.
22. *Hazardous Environmental Condition*—The presence at the Site of Asbestos, PCBs, Petroleum, Hazardous Waste, or Radioactive Material in such quantities or circumstances that may present a substantial danger to persons or property exposed thereto.
23. *Hazardous Waste*—The term Hazardous Waste shall have the meaning provided in Section 1004 of the Solid Waste Disposal Act (42 USC Section 6903) as amended from time to time.
24. *Laws and Regulations; Laws or Regulations*—Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.

25. *Liens*—Charges, security interests, or encumbrances upon Project funds, real property, or personal property.
26. *Milestone*—A principal event specified in the Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all the Work.
27. *Notice of Award*—The written notice by Owner to the Successful Bidder stating that upon timely compliance by the Successful Bidder with the conditions precedent listed therein, Owner will sign and deliver the Agreement.
28. *Notice to Proceed*—A written notice given by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work under the Contract Documents.
29. *Owner*—The individual or entity with whom Contractor has entered into the Agreement and for whom the Work is to be performed.
30. *PCBs*—Polychlorinated biphenyls.
31. *Petroleum*—Petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute), such as oil, petroleum, fuel oil, oil sludge, oil refuse, gasoline, kerosene, and oil mixed with other non-Hazardous Waste and crude oils.
32. *Progress Schedule*—A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising the Contractor's plan to accomplish the Work within the Contract Times.
33. *Project*—The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part.
34. *Project Manual*—The bound documentary information prepared for bidding and constructing the Work. A listing of the contents of the Project Manual, which may be bound in one or more volumes, is contained in the table(s) of contents.
35. *Radioactive Material*—Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954 (42 USC Section 2011 et seq.) as amended from time to time.
36. *Resident Project Representative*—The authorized representative of Engineer who may be assigned to the Site or any part thereof.
37. *Samples*—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.
38. *Schedule of Submittals*—A schedule, prepared and maintained by Contractor, of required submittals and the time requirements to support scheduled performance of related construction activities.

39. *Schedule of Values*—A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.
40. *Shop Drawings*—All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.
41. *Site*—Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements for access thereto, and such other lands furnished by Owner which are designated for the use of Contractor.
42. *Specifications*—That part of the Contract Documents consisting of written requirements for materials, equipment, systems, standards and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable thereto.
43. *Subcontractor*—An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work at the Site.
44. *Substantial Completion*—The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Work refer to Substantial Completion thereof.
45. *Successful Bidder*—The Bidder submitting a responsive Bid to whom Owner makes an award.
46. *Supplementary Conditions*—That part of the Contract Documents which amends or supplements these General Conditions.
47. *Supplier*—A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or Subcontractor.
48. *Underground Facilities*—All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.
49. *Unit Price Work*—Work to be paid for on the basis of unit prices.
50. *Work*—The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such

construction, and furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.

51. *Work Change Directive*—A written statement to Contractor issued on or after the Effective Date of the Agreement and signed by Owner and recommended by Engineer ordering an addition, deletion, or revision in the Work, or responding to differing or unforeseen subsurface or physical conditions under which the Work is to be performed or to emergencies. A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the change ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order following negotiations by the parties as to its effect, if any, on the Contract Price or Contract Times.

1.02 *Terminology*

- A. The words and terms discussed in Paragraph 1.02.B through F are not defined but, when used in the Bidding Requirements or Contract Documents, have the indicated meaning.

B. *Intent of Certain Terms or Adjectives:*

1. The Contract Documents include the terms “as allowed,” “as approved,” “as ordered,” “as directed” or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives “reasonable,” “suitable,” “acceptable,” “proper,” “satisfactory,” or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action, or determination will be solely to evaluate, in general, the Work for compliance with the information in the Contract Documents and with the design concept of the Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility contrary to the provisions of Paragraph 9.09 or any other provision of the Contract Documents.

C. *Day:*

1. The word “day” means a calendar day of 24 hours measured from midnight to the next midnight.

D. *Defective:*

1. The word “defective,” when modifying the word “Work,” refers to Work that is unsatisfactory, faulty, or deficient in that it:
 - a. does not conform to the Contract Documents; or
 - b. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or

- c. has been damaged prior to Engineer's recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 14.04 or 14.05).

E. *Furnish, Install, Perform, Provide:*

1. The word "furnish," when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.
2. The word "install," when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.
3. The words "perform" or "provide," when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.
4. When "furnish," "install," "perform," or "provide" is not used in connection with services, materials, or equipment in a context clearly requiring an obligation of Contractor, "provide" is implied.

- F. Unless stated otherwise in the Contract Documents, words or phrases that have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2 – PRELIMINARY MATTERS

2.01 *Delivery of Bonds and Evidence of Insurance*

- A. When Contractor delivers the executed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner such bonds as Contractor may be required to furnish.
- B. *Evidence of Insurance:* Before any Work at the Site is started, Contractor and Owner shall each deliver to the other, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance which either of them or any additional insured may reasonably request) which Contractor and Owner respectively are required to purchase and maintain in accordance with Article 5.

2.02 *Copies of Documents*

- A. Owner shall furnish to Contractor up to ten printed or hard copies of the Drawings and Project Manual. Additional copies will be furnished upon request at the cost of reproduction.

2.03 *Commencement of Contract Times; Notice to Proceed*

- A. The Contract Times will commence to run on the thirtieth day after the Effective Date of the Agreement or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the

Agreement. In no event will the Contract Times commence to run later than the sixtieth day after the day of Bid opening or the thirtieth day after the Effective Date of the Agreement, whichever date is earlier.

2.04 *Starting the Work*

- A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work shall be done at the Site prior to the date on which the Contract Times commence to run.

2.05 *Before Starting Construction*

- A. *Preliminary Schedules:* Within 10 days after the Effective Date of the Agreement (unless otherwise specified in the General Requirements), Contractor shall submit to Engineer for timely review:
 - 1. a preliminary Progress Schedule indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract Documents;
 - 2. a preliminary Schedule of Submittals; and
 - 3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

2.06 *Preconstruction Conference; Designation of Authorized Representatives*

- A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work and to discuss the schedules referred to in Paragraph 2.05.A, procedures for handling Shop Drawings and other submittals, processing Applications for Payment, and maintaining required records.
- B. At this conference Owner and Contractor each shall designate, in writing, a specific individual to act as its authorized representative with respect to the services and responsibilities under the Contract. Such individuals shall have the authority to transmit instructions, receive information, render decisions relative to the Contract, and otherwise act on behalf of each respective party.

2.07 *Initial Acceptance of Schedules*

- A. At least 10 days before submission of the first Application for Payment a conference attended by Contractor, Engineer, and others as appropriate will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with Paragraph 2.05.A. Contractor shall have an additional 10 days to make corrections and adjustments and to

complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer.

1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work, nor interfere with or relieve Contractor from Contractor's full responsibility therefor.
2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.
3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to component parts of the Work.

ARTICLE 3 – CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

3.01 Intent

- A. The Contract Documents are complementary; what is required by one is as binding as if required by all.
- B. It is the intent of the Contract Documents to describe a functionally complete project (or part thereof) to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that reasonably may be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the indicated result will be provided whether or not specifically called for, at no additional cost to Owner.
- C. Clarifications and interpretations of the Contract Documents shall be issued by Engineer as provided in Article 9.

3.02 Reference Standards

- A. Standards, Specifications, Codes, Laws, and Regulations
 1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard, specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Agreement if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.
 2. No provision of any such standard, specification, manual, or code, or any instruction of a Supplier, shall be effective to change the duties or responsibilities of Owner, Contractor, or Engineer, or any of their subcontractors, consultants, agents, or employees, from those set forth in the Contract Documents. No such provision or instruction shall be effective to assign to Owner, Engineer, or any of their officers, directors, members, partners,

employees, agents, consultants, or subcontractors, any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

3.03 *Reporting and Resolving Discrepancies*

A. *Reporting Discrepancies:*

1. *Contractor's Review of Contract Documents Before Starting Work:* Before undertaking each part of the Work, Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures therein and all applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy which Contractor discovers, or has actual knowledge of, and shall obtain a written interpretation or clarification from Engineer before proceeding with any Work affected thereby.
2. *Contractor's Review of Contract Documents During Performance of Work:* If, during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents, or between the Contract Documents and (a) any applicable Law or Regulation, (b) any standard, specification, manual, or code, or (c) any instruction of any Supplier, then Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 6.16.A) until an amendment or supplement to the Contract Documents has been issued by one of the methods indicated in Paragraph 3.04.
3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor had actual knowledge thereof.

B. *Resolving Discrepancies:*

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:
 - a. the provisions of any standard, specification, manual, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference in the Contract Documents); or
 - b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 *Amending and Supplementing Contract Documents*

- A. The Contract Documents may be amended to provide for additions, deletions, and revisions in the Work or to modify the terms and conditions thereof by either a Change Order or a Work Change Directive.

- B. The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work may be authorized, by one or more of the following ways:
 - 1. A Field Order;
 - 2. Engineer's approval of a Shop Drawing or Sample (subject to the provisions of Paragraph 6.17.D.3); or
 - 3. Engineer's written interpretation or clarification.

3.05 *Reuse of Documents*

- A. Contractor and any Subcontractor or Supplier shall not:
 - 1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or its consultants, including electronic media editions; or
 - 2. reuse any such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaptation by Engineer.
- B. The prohibitions of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes.

3.06 *Electronic Data*

- A. Unless otherwise stated in the Supplementary Conditions, the data furnished by Owner or Engineer to Contractor, or by Contractor to Owner or Engineer, that may be relied upon are limited to the printed copies (also known as hard copies). Files in electronic media format of text, data, graphics, or other types are furnished only for the convenience of the receiving party. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.
- B. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within 60 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 60-day acceptance period will be corrected by the transferring party.
- C. When transferring documents in electronic media format, the transferring party makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by the data's creator.

ARTICLE 4 – AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS; REFERENCE POINTS

4.01 *Availability of Lands*

- A. Owner shall furnish the Site. Owner shall notify Contractor of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work. Owner will obtain in a timely manner and pay for easements for permanent structures or permanent changes in existing facilities. If Contractor and Owner are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of any delay in Owner's furnishing the Site or a part thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.
- B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which the Work is to be performed and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.
- C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

4.02 *Subsurface and Physical Conditions*

- A. *Reports and Drawings:* The Supplementary Conditions identify:
 - 1. those reports known to Owner of explorations and tests of subsurface conditions at or contiguous to the Site; and
 - 2. those drawings known to Owner of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities).
- B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors with respect to:
 - 1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or
 - 2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
 - 3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions, or information.

4.03 *Differing Subsurface or Physical Conditions*

A. *Notice:* If Contractor believes that any subsurface or physical condition that is uncovered or revealed either:

1. is of such a nature as to establish that any "technical data" on which Contractor is entitled to rely as provided in Paragraph 4.02 is materially inaccurate; or
2. is of such a nature as to require a change in the Contract Documents; or
3. differs materially from that shown or indicated in the Contract Documents; or
4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except as aforesaid) until receipt of written order to do so.

B. *Engineer's Review:* After receipt of written notice as required by Paragraph 4.03.A, Engineer will promptly review the pertinent condition, determine the necessity of Owner's obtaining additional exploration or tests with respect thereto, and advise Owner in writing (with a copy to Contractor) of Engineer's findings and conclusions.

C. *Possible Price and Times Adjustments:*

1. The Contract Price or the Contract Times, or both, will be equitably adjusted to the extent that the existence of such differing subsurface or physical condition causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:
 - a. such condition must meet any one or more of the categories described in Paragraph 4.03.A; and
 - b. with respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraphs 9.07 and 11.03.
2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if:
 - a. Contractor knew of the existence of such conditions at the time Contractor made a final commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract; or
 - b. the existence of such condition could reasonably have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and

contiguous areas required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such final commitment; or

- c. Contractor failed to give the written notice as required by Paragraph 4.03.A.
3. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, a Claim may be made therefor as provided in Paragraph 10.05. However, neither Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors shall be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

4.04 *Underground Facilities*

A. *Shown or Indicated:* The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:

1. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data provided by others; and
2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:
 - a. reviewing and checking all such information and data;
 - b. locating all Underground Facilities shown or indicated in the Contract Documents;
 - c. coordination of the Work with the owners of such Underground Facilities, including Owner, during construction; and
 - d. the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

B. *Not Shown or Indicated:*

1. If an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents, Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer. Engineer will promptly review the Underground Facility and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the

consequences of the existence or location of the Underground Facility. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

2. If Engineer concludes that a change in the Contract Documents is required, a Work Change Directive or a Change Order will be issued to reflect and document such consequences. An equitable adjustment shall be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the existence or location of any Underground Facility that was not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment in Contract Price or Contract Times, Owner or Contractor may make a Claim therefor as provided in Paragraph 10.05.

4.05 *Reference Points*

- A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.06 *Hazardous Environmental Condition at Site*

- A. *Reports and Drawings:* The Supplementary Conditions identify those reports and drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at the Site.
- B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors with respect to:
 1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto; or
 2. other data, interpretations, opinions and information contained in such reports or shown or indicated in such drawings; or
 3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions or information.

- C. Contractor shall not be responsible for any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work. Contractor shall be responsible for a Hazardous Environmental Condition created with any materials brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible.
- D. If Contractor encounters a Hazardous Environmental Condition or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 6.16.A); and (iii) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any. Promptly after consulting with Engineer, Owner shall take such actions as are necessary to permit Owner to timely obtain required permits and provide Contractor the written notice required by Paragraph 4.06.E.
- E. Contractor shall not be required to resume Work in connection with such condition or in any affected area until after Owner has obtained any required permits related thereto and delivered written notice to Contractor: (i) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work; or (ii) specifying any special conditions under which such Work may be resumed safely. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, either party may make a Claim therefor as provided in Paragraph 10.05.
- F. If after receipt of such written notice Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of an adjustment in Contract Price or Contract Times as a result of deleting such portion of the Work, then either party may make a Claim therefor as provided in Paragraph 10.05. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 7.
- G. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition: (i) was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be included within the scope of the Work, and (ii) was not created by Contractor or by anyone for whom Contractor is

responsible. Nothing in this Paragraph 4.06.G shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

- H. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06.H shall obligate Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.
- I. The provisions of Paragraphs 4.02, 4.03, and 4.04 do not apply to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 5 – BONDS AND INSURANCE

5.01 Performance, Payment, and Other Bonds

- A. Contractor shall furnish performance and payment bonds, each in an amount at least equal to the Contract Price as security for the faithful performance and payment of all of Contractor's obligations under the Contract Documents. These bonds shall remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified in Paragraph 13.07, whichever is later, except as provided otherwise by Laws or Regulations or by the Contract Documents. Contractor shall also furnish such other bonds as are required by the Contract Documents.
- B. All bonds shall be in the form prescribed by the Contract Documents except as provided otherwise by Laws or Regulations, and shall be executed by such sureties as are named in the list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. All bonds signed by an agent or attorney-in-fact must be accompanied by a certified copy of that individual's authority to bind the surety. The evidence of authority shall show that it is effective on the date the agent or attorney-in-fact signed each bond.
- C. If the surety on any bond furnished by Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of Paragraph 5.01.B, Contractor shall promptly notify Owner and Engineer and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which shall comply with the requirements of Paragraphs 5.01.B and 5.02.

5.02 Licensed Sureties and Insurers

- A. All bonds and insurance required by the Contract Documents to be purchased and maintained by Owner or Contractor shall be obtained from surety or insurance companies that are duly

licensed or authorized in the jurisdiction in which the Project is located to issue bonds or insurance policies for the limits and coverages so required. Such surety and insurance companies shall also meet such additional requirements and qualifications as may be provided in the Supplementary Conditions.

5.03 *Certificates of Insurance*

- A. Contractor shall deliver to Owner, with copies to each additional insured and loss payee identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Owner or any other additional insured) which Contractor is required to purchase and maintain.
- B. Owner shall deliver to Contractor, with copies to each additional insured and loss payee identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Contractor or any other additional insured) which Owner is required to purchase and maintain.
- C. Failure of Owner to demand such certificates or other evidence of Contractor's full compliance with these insurance requirements or failure of Owner to identify a deficiency in compliance from the evidence provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance.
- D. Owner does not represent that insurance coverage and limits established in this Contract necessarily will be adequate to protect Contractor.
- E. The insurance and insurance limits required herein shall not be deemed as a limitation on Contractor's liability under the indemnities granted to Owner in the Contract Documents.

5.04 *Contractor's Insurance*

- A. Contractor shall purchase and maintain such insurance as is appropriate for the Work being performed and as will provide protection from claims set forth below which may arise out of or result from Contractor's performance of the Work and Contractor's other obligations under the Contract Documents, whether it is to be performed by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable:
 - 1. claims under workers' compensation, disability benefits, and other similar employee benefit acts;
 - 2. claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees;
 - 3. claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;
 - 4. claims for damages insured by reasonably available personal injury liability coverage which are sustained:

- a. by any person as a result of an offense directly or indirectly related to the employment of such person by Contractor, or
 - b. by any other person for any other reason;
5. claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom; and
 6. claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.
- B. The policies of insurance required by this Paragraph 5.04 shall:
1. with respect to insurance required by Paragraphs 5.04.A.3 through 5.04.A.6 inclusive, be written on an occurrence basis, include as additional insureds (subject to any customary exclusion regarding professional liability) Owner and Engineer, and any other individuals or entities identified in the Supplementary Conditions, all of whom shall be listed as additional insureds, and include coverage for the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of all such additional insureds, and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby;
 2. include at least the specific coverages and be written for not less than the limits of liability provided in the Supplementary Conditions or required by Laws or Regulations, whichever is greater;
 3. include contractual liability insurance covering Contractor's indemnity obligations under Paragraphs 6.11 and 6.20;
 4. contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured identified in the Supplementary Conditions to whom a certificate of insurance has been issued (and the certificates of insurance furnished by the Contractor pursuant to Paragraph 5.03 will so provide);
 5. remain in effect at least until final payment and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work in accordance with Paragraph 13.07; and
 6. include completed operations coverage:
 - a. Such insurance shall remain in effect for two years after final payment.
 - b. Contractor shall furnish Owner and each other additional insured identified in the Supplementary Conditions, to whom a certificate of insurance has been issued, evidence satisfactory to Owner and any such additional insured of continuation of such insurance at final payment and one year thereafter.

5.05 *Owner's Liability Insurance*

- A. In addition to the insurance required to be provided by Contractor under Paragraph 5.04, Owner, at Owner's option, may purchase and maintain at Owner's expense Owner's own liability insurance as will protect Owner against claims which may arise from operations under the Contract Documents.

5.06 *Property Insurance*

- A. Unless otherwise provided in the Supplementary Conditions, Owner shall purchase and maintain property insurance upon the Work at the Site in the amount of the full replacement cost thereof (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). This insurance shall:
1. include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as a loss payee;
 2. be written on a Builder's Risk "all-risk" policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, falsework, and materials and equipment in transit, and shall insure against at least the following perils or causes of loss: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage (other than that caused by flood), and such other perils or causes of loss as may be specifically required by the Supplementary Conditions.
 3. include expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects);
 4. cover materials and equipment stored at the Site or at another location that was agreed to in writing by Owner prior to being incorporated in the Work, provided that such materials and equipment have been included in an Application for Payment recommended by Engineer;
 5. allow for partial utilization of the Work by Owner;
 6. include testing and startup; and
 7. be maintained in effect until final payment is made unless otherwise agreed to in writing by Owner, Contractor, and Engineer with 30 days written notice to each other loss payee to whom a certificate of insurance has been issued.
- B. Owner shall purchase and maintain such equipment breakdown insurance or additional property insurance as may be required by the Supplementary Conditions or Laws and Regulations which will include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors,

members, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as a loss payee.

- C. All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with this Paragraph 5.06 will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other loss payee to whom a certificate of insurance has been issued and will contain waiver provisions in accordance with Paragraph 5.07.
- D. Owner shall not be responsible for purchasing and maintaining any property insurance specified in this Paragraph 5.06 to protect the interests of Contractor, Subcontractors, or others in the Work to the extent of any deductible amounts that are identified in the Supplementary Conditions. The risk of loss within such identified deductible amount will be borne by Contractor, Subcontractors, or others suffering any such loss, and if any of them wishes property insurance coverage within the limits of such amounts, each may purchase and maintain it at the purchaser's own expense.
- E. If Contractor requests in writing that other special insurance be included in the property insurance policies provided under this Paragraph 5.06, Owner shall, if possible, include such insurance, and the cost thereof will be charged to Contractor by appropriate Change Order. Prior to commencement of the Work at the Site, Owner shall in writing advise Contractor whether or not such other insurance has been procured by Owner.

5.07 *Waiver of Rights*

- A. Owner and Contractor intend that all policies purchased in accordance with Paragraph 5.06 will protect Owner, Contractor, Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions as loss payees (and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them) in such policies and will provide primary coverage for all losses and damages caused by the perils or causes of loss covered thereby. All such policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any of the insureds or loss payees thereunder. Owner and Contractor waive all rights against each other and their respective officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them for all losses and damages caused by, arising out of or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Subcontractors and Engineer, and all other individuals or entities identified in the Supplementary Conditions as loss payees (and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them) under such policies for losses and damages so caused. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by Owner as trustee or otherwise payable under any policy so issued.

- B. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them for:
1. loss due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other perils whether or not insured by Owner; and
 2. loss or damage to the completed Project or part thereof caused by, arising out of, or resulting from fire or other insured peril or cause of loss covered by any property insurance maintained on the completed Project or part thereof by Owner during partial utilization pursuant to Paragraph 14.05, after Substantial Completion pursuant to Paragraph 14.04, or after final payment pursuant to Paragraph 14.07.
- C. Any insurance policy maintained by Owner covering any loss, damage or consequential loss referred to in Paragraph 5.07.B shall contain provisions to the effect that in the event of payment of any such loss, damage, or consequential loss, the insurers will have no rights of recovery against Contractor, Subcontractors, or Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them.

5.08 *Receipt and Application of Insurance Proceeds*

- A. Any insured loss under the policies of insurance required by Paragraph 5.06 will be adjusted with Owner and made payable to Owner as fiduciary for the loss payees, as their interests may appear, subject to the requirements of any applicable mortgage clause and of Paragraph 5.08.B. Owner shall deposit in a separate account any money so received and shall distribute it in accordance with such agreement as the parties in interest may reach. If no other special agreement is reached, the damaged Work shall be repaired or replaced, the moneys so received applied on account thereof, and the Work and the cost thereof covered by an appropriate Change Order.
- B. Owner as fiduciary shall have power to adjust and settle any loss with the insurers unless one of the parties in interest shall object in writing within 15 days after the occurrence of loss to Owner's exercise of this power. If such objection be made, Owner as fiduciary shall make settlement with the insurers in accordance with such agreement as the parties in interest may reach. If no such agreement among the parties in interest is reached, Owner as fiduciary shall adjust and settle the loss with the insurers and, if required in writing by any party in interest, Owner as fiduciary shall give bond for the proper performance of such duties.

5.09 *Acceptance of Bonds and Insurance; Option to Replace*

- A. If either Owner or Contractor has any objection to the coverage afforded by or other provisions of the bonds or insurance required to be purchased and maintained by the other party in accordance with Article 5 on the basis of non-conformance with the Contract Documents, the objecting party shall so notify the other party in writing within 10 days after receipt of the certificates (or other evidence requested) required by Paragraph 2.01.B. Owner and Contractor shall each provide to the other such additional information in respect of insurance provided as the other may reasonably request. If either party does not purchase or maintain all of the bonds

and insurance required of such party by the Contract Documents, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage. Without prejudice to any other right or remedy, the other party may elect to obtain equivalent bonds or insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and a Change Order shall be issued to adjust the Contract Price accordingly.

5.10 *Partial Utilization, Acknowledgment of Property Insurer*

- A. If Owner finds it necessary to occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work as provided in Paragraph 14.05, no such use or occupancy shall commence before the insurers providing the property insurance pursuant to Paragraph 5.06 have acknowledged notice thereof and in writing effected any changes in coverage necessitated thereby. The insurers providing the property insurance shall consent by endorsement on the policy or policies, but the property insurance shall not be canceled or permitted to lapse on account of any such partial use or occupancy.

ARTICLE 6 – CONTRACTOR'S RESPONSIBILITIES

6.01 *Supervision and Superintendence*

- A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction. Contractor shall not be responsible for the negligence of Owner or Engineer in the design or specification of a specific means, method, technique, sequence, or procedure of construction which is shown or indicated in and expressly required by the Contract Documents.
- B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who shall not be replaced without written notice to Owner and Engineer except under extraordinary circumstances.

6.02 *Labor; Working Hours*

- A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the Site.
- B. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed during regular working hours. Contractor will not permit the performance of Work on a Saturday, Sunday, or any legal holiday without Owner's written consent (which will not be unreasonably withheld) given after prior written notice to Engineer.

6.03 *Services, Materials, and Equipment*

- A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start-up, and completion of the Work.
- B. All materials and equipment incorporated into the Work shall be as specified or, if not specified, shall be of good quality and new, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications shall expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.
- C. All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

6.04 *Progress Schedule*

- A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.07 as it may be adjusted from time to time as provided below.
 - 1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.07) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times. Such adjustments will comply with any provisions of the General Requirements applicable thereto.
 - 2. Proposed adjustments in the Progress Schedule that will change the Contract Times shall be submitted in accordance with the requirements of Article 12. Adjustments in Contract Times may only be made by a Change Order.

6.05 *Substitutes and "Or-Equals"*

- A. Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or-equal" item or no substitution is permitted, other items of material or equipment or material or equipment of other Suppliers may be submitted to Engineer for review under the circumstances described below.
 - 1. *"Or-Equal" Items:* If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements

for approval of proposed substitute items. For the purposes of this Paragraph 6.05.A.1, a proposed item of material or equipment will be considered functionally equal to an item so named if:

- a. in the exercise of reasonable judgment Engineer determines that:
 - 1) it is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;
 - 2) it will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole; and
 - 3) it has a proven record of performance and availability of responsive service.
- b. Contractor certifies that, if approved and incorporated into the Work:
 - 1) there will be no increase in cost to the Owner or increase in Contract Times; and
 - 2) it will conform substantially to the detailed requirements of the item named in the Contract Documents.

2. *Substitute Items:*

- a. If in Engineer's sole discretion an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item under Paragraph 6.05.A.1, it will be considered a proposed substitute item.
- b. Contractor shall submit sufficient information as provided below to allow Engineer to determine if the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor.
- c. The requirements for review by Engineer will be as set forth in Paragraph 6.05.A.2.d, as supplemented by the General Requirements, and as Engineer may decide is appropriate under the circumstances.
- d. Contractor shall make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application:
 - 1) shall certify that the proposed substitute item will:
 - a) perform adequately the functions and achieve the results called for by the general design,
 - b) be similar in substance to that specified, and
 - c) be suited to the same use as that specified;

- 2) will state:
 - a) the extent, if any, to which the use of the proposed substitute item will prejudice Contractor's achievement of Substantial Completion on time,
 - b) whether use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item, and
 - c) whether incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty;
- 3) will identify:
 - a) all variations of the proposed substitute item from that specified, and
 - b) available engineering, sales, maintenance, repair, and replacement services; and
- 4) shall contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including costs of redesign and claims of other contractors affected by any resulting change.

- B. *Substitute Construction Methods or Procedures:* If a specific means, method, technique, sequence, or procedure of construction is expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence, or procedure of construction approved by Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The requirements for review by Engineer will be similar to those provided in Paragraph 6.05.A.2.
- C. *Engineer's Evaluation:* Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made pursuant to Paragraphs 6.05.A and 6.05.B. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No "or equal" or substitute will be ordered, installed or utilized until Engineer's review is complete, which will be evidenced by a Change Order in the case of a substitute and an approved Shop Drawing for an "or equal." Engineer will advise Contractor in writing of any negative determination.
- D. *Special Guarantee:* Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.
- E. *Engineer's Cost Reimbursement:* Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor pursuant to Paragraphs 6.05.A.2 and 6.05.B. Whether or not Engineer approves a substitute so proposed or submitted by Contractor, Contractor shall reimburse Owner for the reasonable charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the reasonable charges of

Engineer for making changes in the Contract Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.

- F. *Contractor's Expense*: Contractor shall provide all data in support of any proposed substitute or "or-equal" at Contractor's expense.

6.06 *Concerning Subcontractors, Suppliers, and Others*

- A. Contractor shall not employ any Subcontractor, Supplier, or other individual or entity (including those acceptable to Owner as indicated in Paragraph 6.06.B), whether initially or as a replacement, against whom Owner may have reasonable objection. Contractor shall not be required to employ any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work against whom Contractor has reasonable objection.
- B. If the Supplementary Conditions require the identity of certain Subcontractors, Suppliers, or other individuals or entities to be submitted to Owner in advance for acceptance by Owner by a specified date prior to the Effective Date of the Agreement, and if Contractor has submitted a list thereof in accordance with the Supplementary Conditions, Owner's acceptance (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Bidding Documents or the Contract Documents) of any such Subcontractor, Supplier, or other individual or entity so identified may be revoked on the basis of reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity, and the Contract Price will be adjusted by the difference in the cost occasioned by such replacement, and an appropriate Change Order will be issued. No acceptance by Owner of any such Subcontractor, Supplier, or other individual or entity, whether initially or as a replacement, shall constitute a waiver of any right of Owner or Engineer to reject defective Work.
- C. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions. Nothing in the Contract Documents:
1. shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier or other individual or entity; nor
 2. shall create any obligation on the part of Owner or Engineer to pay or to see to the payment of any moneys due any such Subcontractor, Supplier, or other individual or entity except as may otherwise be required by Laws and Regulations.
- D. Contractor shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work under a direct or indirect contract with Contractor.
- E. Contractor shall require all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work to communicate with Engineer through Contractor.

- F. The divisions and sections of the Specifications and the identifications of any Drawings shall not control Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.
- G. All Work performed for Contractor by a Subcontractor or Supplier will be pursuant to an appropriate agreement between Contractor and the Subcontractor or Supplier which specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer. Whenever any such agreement is with a Subcontractor or Supplier who is listed as a loss payee on the property insurance provided in Paragraph 5.06, the agreement between the Contractor and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against Owner, Contractor, Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or loss payees (and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them) for all losses and damages caused by, arising out of, relating to, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, Contractor will obtain the same.

6.07 *Patent Fees and Royalties*

- A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if, to the actual knowledge of Owner or Engineer, its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by Owner in the Contract Documents.
- B. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, and its officers, directors, members, partners, employees, agents, consultants, and subcontractors from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device specified in the Contract Documents, but not identified as being subject to payment of any license fee or royalty to others required by patent rights or copyrights.
- C. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the

Work of any invention, design, process, product, or device not specified in the Contract Documents.

6.08 *Permits*

- A. Unless otherwise provided in the Supplementary Conditions, Contractor shall obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of opening of Bids, or, if there are no Bids, on the Effective Date of the Agreement. Owner shall pay all charges of utility owners for connections for providing permanent service to the Work.

6.09 *Laws and Regulations*

- A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.
- B. If Contractor performs any Work knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work. However, it shall not be Contractor's responsibility to make certain that the Specifications and Drawings are in accordance with Laws and Regulations, but this shall not relieve Contractor of Contractor's obligations under Paragraph 3.03.
- C. Changes in Laws or Regulations not known at the time of opening of Bids (or, on the Effective Date of the Agreement if there were no Bids) having an effect on the cost or time of performance of the Work shall be the subject of an adjustment in Contract Price or Contract Times. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

6.10 *Taxes*

- A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

6.11 *Use of Site and Other Areas*

A. *Limitation on Use of Site and Other Areas:*

- 1. Contractor shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the Site and other areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and other areas with construction equipment or other materials or equipment. Contractor shall assume full

responsibility for any damage to any such land or area, or to the owner or occupant thereof, or of any adjacent land or areas resulting from the performance of the Work.

2. Should any claim be made by any such owner or occupant because of the performance of the Work, Contractor shall promptly settle with such other party by negotiation or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law.
3. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused by or based upon Contractor's performance of the Work.

B. *Removal of Debris During Performance of the Work:* During the progress of the Work Contractor shall keep the Site and other areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris shall conform to applicable Laws and Regulations.

C. *Cleaning:* Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.

D. *Loading Structures:* Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

6.12 *Record Documents*

A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, and written interpretations and clarifications in good order and annotated to show changes made during construction. These record documents together with all approved Samples and a counterpart of all approved Shop Drawings will be available to Engineer for reference. Upon completion of the Work, these record documents, Samples, and Shop Drawings will be delivered to Engineer for Owner.

6.13 *Safety and Protection*

A. Contractor shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. Such responsibility does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work, nor for compliance with applicable safety Laws and Regulations. Contractor shall

take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

1. all persons on the Site or who may be affected by the Work;
 2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
 3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.
- B. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify owners of adjacent property and of Underground Facilities and other utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property.
- C. Contractor shall comply with the applicable requirements of Owner's safety programs, if any. The Supplementary Conditions identify any Owner's safety programs that are applicable to the Work.
- D. Contractor shall inform Owner and Engineer of the specific requirements of Contractor's safety program with which Owner's and Engineer's employees and representatives must comply while at the Site.
- E. All damage, injury, or loss to any property referred to in Paragraph 6.13.A.2 or 6.13.A.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor (except damage or loss attributable to the fault of Drawings or Specifications or to the acts or omissions of Owner or Engineer or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).
- F. Contractor's duties and responsibilities for safety and for protection of the Work shall continue until such time as all the Work is completed and Engineer has issued a notice to Owner and Contractor in accordance with Paragraph 14.07.B that the Work is acceptable (except as otherwise expressly provided in connection with Substantial Completion).

6.14 *Safety Representative*

- A. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

6.15 *Hazard Communication Programs*

- A. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

6.16 *Emergencies*

- A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent threatened damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

6.17 *Shop Drawings and Samples*

- A. Contractor shall submit Shop Drawings and Samples to Engineer for review and approval in accordance with the accepted Schedule of Submittals (as required by Paragraph 2.07). Each submittal will be identified as Engineer may require.

- 1. *Shop Drawings:*

- a. Submit number of copies specified in the General Requirements.
- b. Data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide and to enable Engineer to review the information for the limited purposes required by Paragraph 6.17.D.

- 2. *Samples:*

- a. Submit number of Samples specified in the Specifications.
- b. Clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the submittal for the limited purposes required by Paragraph 6.17.D.

- B. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals, any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

C. Submittal Procedures:

1. Before submitting each Shop Drawing or Sample, Contractor shall have:
 - a. reviewed and coordinated each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents;
 - b. determined and verified all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto;
 - c. determined and verified the suitability of all materials offered with respect to the indicated application, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work; and
 - d. determined and verified all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto.
2. Each submittal shall bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review and approval of that submittal.
3. With each submittal, Contractor shall give Engineer specific written notice of any variations that the Shop Drawing or Sample may have from the requirements of the Contract Documents. This notice shall be both a written communication separate from the Shop Drawings or Sample submittal; and, in addition, by a specific notation made on each Shop Drawing or Sample submitted to Engineer for review and approval of each such variation.

D. Engineer's Review:

1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the Schedule of Submittals acceptable to Engineer. Engineer's review and approval will be only to determine if the items covered by the submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.
2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction (except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the Contract Documents) or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.
3. Engineer's review and approval shall not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 6.17.C.3 and Engineer has given written approval of

each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer's review and approval shall not relieve Contractor from responsibility for complying with the requirements of Paragraph 6.17.C.1.

E. *Resubmittal Procedures:*

1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.

6.18 *Continuing the Work*

- A. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or disagreements with Owner. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, except as permitted by Paragraph 15.04 or as Owner and Contractor may otherwise agree in writing.

6.19 *Contractor's General Warranty and Guarantee*

- A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its officers, directors, members, partners, employees, agents, consultants, and subcontractors shall be entitled to rely on representation of Contractor's warranty and guarantee.
- B. Contractor shall furnish a written warranty of workmanship for a period of one (1) year following final Physical Completion. Contractor's warrant hereunder excludes defects or damage caused by:
 1. abuse, modification, or improper maintenance or operation by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or
 2. normal wear and tear under normal usage.
- C. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:
 1. observations by Engineer;
 2. recommendation by Engineer or payment by Owner of any progress or final payment;
 3. the issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;
 4. use or occupancy of the Work or any part thereof by Owner;

5. any review and approval of a Shop Drawing or Sample submittal or the issuance of a notice of acceptability by Engineer;
6. any inspection, test, or approval by others; or
7. any correction of defective Work by Owner.

6.20 *Indemnification*

- A. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the performance of the Work, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work or anyone for whose acts any of them may be liable .
- B. In any and all claims against Owner or Engineer or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 6.20.A shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.
- C. The indemnification obligations of Contractor under Paragraph 6.20.A shall not extend to the liability of Engineer and Engineer's officers, directors, members, partners, employees, agents, consultants and subcontractors arising out of:
 1. the preparation or approval of, or the failure to prepare or approve maps, Drawings, opinions, reports, surveys, Change Orders, designs, or Specifications; or
 2. giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage.

6.21 *Delegation of Professional Design Services*

- A. Contractor will not be required to provide professional design services unless such services are specifically required by the Contract Documents for a portion of the Work or unless such services are required to carry out Contractor's responsibilities for construction means, methods,

techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable law.

- B. If professional design services or certifications by a design professional related to systems, materials or equipment are specifically required of Contractor by the Contract Documents, Owner and Engineer will specify all performance and design criteria that such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly licensed professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to Engineer.
- C. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals, provided Owner and Engineer have specified to Contractor all performance and design criteria that such services must satisfy.
- D. Pursuant to this Paragraph 6.21, Engineer's review and approval of design calculations and design drawings will be only for the limited purpose of checking for conformance with performance and design criteria given and the design concept expressed in the Contract Documents. Engineer's review and approval of Shop Drawings and other submittals (except design calculations and design drawings) will be only for the purpose stated in Paragraph 6.17.D.1.
- E. Contractor shall not be responsible for the adequacy of the performance or design criteria required by the Contract Documents.

ARTICLE 7 – OTHER WORK AT THE SITE

7.01 Related Work at Site

- A. Owner may perform other work related to the Project at the Site with Owner's employees, or through other direct contracts therefor, or have other work performed by utility owners. If such other work is not noted in the Contract Documents, then:
 - 1. written notice thereof will be given to Contractor prior to starting any such other work; and
 - 2. if Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times that should be allowed as a result of such other work, a Claim may be made therefor as provided in Paragraph 10.05.
- B. Contractor shall afford each other contractor who is a party to such a direct contract, each utility owner, and Owner, if Owner is performing other work with Owner's employees, proper and safe access to the Site, provide a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work, and properly coordinate the Work with theirs. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and properly

integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering such work; provided, however, that Contractor may cut or alter others' work with the written consent of Engineer and the others whose work will be affected. The duties and responsibilities of Contractor under this Paragraph are for the benefit of such utility owners and other contractors to the extent that there are comparable provisions for the benefit of Contractor in said direct contracts between Owner and such utility owners and other contractors.

- C. If the proper execution or results of any part of Contractor's Work depends upon work performed by others under this Article 7, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.

7.02 *Coordination*

- A. If Owner intends to contract with others for the performance of other work on the Project at the Site, the following will be set forth in Supplementary Conditions:
 - 1. the individual or entity who will have authority and responsibility for coordination of the activities among the various contractors will be identified;
 - 2. the specific matters to be covered by such authority and responsibility will be itemized; and
 - 3. the extent of such authority and responsibilities will be provided.
- B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

7.03 *Legal Relationships*

- A. Paragraphs 7.01.A and 7.02 are not applicable for utilities not under the control of Owner.
- B. Each other direct contract of Owner under Paragraph 7.01.A shall provide that the other contractor is liable to Owner and Contractor for the reasonable direct delay and disruption costs incurred by Contractor as a result of the other contractor's wrongful actions or inactions.
- C. Contractor shall be liable to Owner and any other contractor under direct contract to Owner for the reasonable direct delay and disruption costs incurred by such other contractor as a result of Contractor's wrongful action or inactions.

ARTICLE 8 – OWNER'S RESPONSIBILITIES

8.01 *Communications to Contractor*

- A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

8.02 *Replacement of Engineer*

- A. In case of termination of the employment of Engineer, Owner shall appoint an engineer to whom Contractor makes no reasonable objection, whose status under the Contract Documents shall be that of the former Engineer.

8.03 *Furnish Data*

- A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

8.04 *Pay When Due*

- A. Owner shall make payments to Contractor when they are due as provided in Paragraphs 14.02.C and 14.07.C.

8.05 *Lands and Easements; Reports and Tests*

- A. Owner's duties with respect to providing lands and easements and providing engineering surveys to establish reference points are set forth in Paragraphs 4.01 and 4.05. Paragraph 4.02 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of subsurface conditions and drawings of physical conditions relating to existing surface or subsurface structures at the Site.

8.06 *Insurance*

- A. Owner's responsibilities, if any, with respect to purchasing and maintaining liability and property insurance are set forth in Article 5.

8.07 *Change Orders*

- A. Owner is obligated to execute Change Orders as indicated in Paragraph 10.03.

8.08 *Inspections, Tests, and Approvals*

- A. Owner's responsibility with respect to certain inspections, tests, and approvals is set forth in Paragraph 13.03.B.

8.09 *Limitations on Owner's Responsibilities*

- A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

8.10 *Undisclosed Hazardous Environmental Condition*

- A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 4.06.

8.11 *Evidence of Financial Arrangements*

- A. Upon request of Contractor, Owner shall furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract Documents.

8.12 *Compliance with Safety Program*

- A. While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed pursuant to Paragraph 6.13.D.

ARTICLE 9 – ENGINEER'S STATUS DURING CONSTRUCTION

9.01 *Owner's Representative*

- A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract Documents.

9.02 *Visits to Site*

- A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.
- B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 9.09. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work, Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

9.03 *Project Representative*

- A. If Owner and Engineer agree, Engineer will furnish a Resident Project Representative to assist Engineer in providing more extensive observation of the Work. The authority and responsibilities of any such Resident Project Representative and assistants will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in Paragraph 9.09. If Owner designates another representative or agent to represent Owner at the Site who is not Engineer's consultant, agent or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in the Supplementary Conditions.

9.04 *Authorized Variations in Work*

- A. Engineer may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. These may be accomplished by a Field Order and will be binding on Owner and also on Contractor, who shall perform the Work involved promptly. If Owner or Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, or both, and the parties are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

9.05 *Rejecting Defective Work*

- A. Engineer will have authority to reject Work which Engineer believes to be defective, or that Engineer believes will not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Engineer will also have authority to require special inspection or testing of the Work as provided in Paragraph 13.04, whether or not the Work is fabricated, installed, or completed.

9.06 *Shop Drawings, Change Orders and Payments*

- A. In connection with Engineer's authority, and limitations thereof, as to Shop Drawings and Samples, see Paragraph 6.17.
- B. In connection with Engineer's authority, and limitations thereof, as to design calculations and design drawings submitted in response to a delegation of professional design services, if any, see Paragraph 6.21.
- C. In connection with Engineer's authority as to Change Orders, see Articles 10, 11, and 12.
- D. In connection with Engineer's authority as to Applications for Payment, see Article 14.

9.07 *Determinations for Unit Price Work*

- A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, subject to the provisions of Paragraph 10.05.

9.08 *Decisions on Requirements of Contract Documents and Acceptability of Work*

- A. Engineer will be the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the Work thereunder. All matters in question and other matters between Owner and Contractor arising prior to the date final payment is due relating to the acceptability of the Work, and the interpretation of the requirements of the Contract Documents pertaining to the performance of the Work, will be referred initially to Engineer in writing within 30 days of the event giving rise to the question.
- B. Engineer will, with reasonable promptness, render a written decision on the issue referred. If Owner or Contractor believes that any such decision entitles them to an adjustment in the Contract Price or Contract Times or both, a Claim may be made under Paragraph 10.05. The date of Engineer's decision shall be the date of the event giving rise to the issues referenced for the purposes of Paragraph 10.05.B.
- C. Engineer's written decision on the issue referred will be final and binding on Owner and Contractor, subject to the provisions of Paragraph 10.05.
- D. When functioning as interpreter and judge under this Paragraph 9.08, Engineer will not show partiality to Owner or Contractor and will not be liable in connection with any interpretation or decision rendered in good faith in such capacity.

9.09 *Limitations on Engineer's Authority and Responsibilities*

- A. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract Documents nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.
- B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

- C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.
- D. Engineer's review of the final Application for Payment and accompanying documentation and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Paragraph 14.07.A will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals that the results certified indicate compliance with, the Contract Documents.
- E. The limitations upon authority and responsibility set forth in this Paragraph 9.09 shall also apply to the Resident Project Representative, if any, and assistants, if any.

9.10 *Compliance with Safety Program*

- A. While at the Site, Engineer's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Engineer has been informed pursuant to Paragraph 6.13.D.

ARTICLE 10 – CHANGES IN THE WORK; CLAIMS

10.01 *Authorized Changes in the Work*

- A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work by a Change Order, or a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).
- B. If Owner and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of a Work Change Directive, a Claim may be made therefor as provided in Paragraph 10.05.

10.02 *Unauthorized Changes in the Work*

- A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents as amended, modified, or supplemented as provided in Paragraph 3.04, except in the case of an emergency as provided in Paragraph 6.16 or in the case of uncovering Work as provided in Paragraph 13.04.D.

10.03 *Execution of Change Orders*

- A. Owner and Contractor shall execute appropriate Change Orders recommended by Engineer covering:

1. changes in the Work which are: (i) ordered by Owner pursuant to Paragraph 10.01.A, (ii) required because of acceptance of defective Work under Paragraph 13.08.A or Owner's correction of defective Work under Paragraph 13.09, or (iii) agreed to by the parties;
2. changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive; and
3. changes in the Contract Price or Contract Times which embody the substance of any written decision rendered by Engineer pursuant to Paragraph 10.05; provided that, in lieu of executing any such Change Order, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable Laws and Regulations, but during any such appeal, Contractor shall carry on the Work and adhere to the Progress Schedule as provided in Paragraph 6.18.A.

10.04 *Notification to Surety*

- A. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

10.05 *Claims*

- A. *Engineer's Decision Required:* All Claims, except those waived pursuant to Paragraph 14.09, shall be referred to the Engineer for decision. A decision by Engineer shall be required as a condition precedent to any exercise by Owner or Contractor of any rights or remedies either may otherwise have under the Contract Documents or by Laws and Regulations in respect of such Claims.
- B. *Notice:* Written notice stating the general nature of each Claim shall be delivered by the claimant to Engineer and the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto. The responsibility to substantiate a Claim shall rest with the party making the Claim. Notice of the amount or extent of the Claim, with supporting data shall be delivered to the Engineer and the other party to the Contract within 60 days after the start of such event (unless Engineer allows additional time for claimant to submit additional or more accurate data in support of such Claim). A Claim for an adjustment in Contract Price shall be prepared in accordance with the provisions of Paragraph 12.01.B. A Claim for an adjustment in Contract Times shall be prepared in accordance with the provisions of Paragraph 12.02.B. Each Claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to Engineer and the claimant within 30 days after receipt of the claimant's last submittal (unless Engineer allows additional time).

- C. *Engineer's Action:* Engineer will review each Claim and, within 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any, take one of the following actions in writing:
1. deny the Claim in whole or in part;
 2. approve the Claim; or
 3. notify the parties that the Engineer is unable to resolve the Claim if, in the Engineer's sole discretion, it would be inappropriate for the Engineer to do so. For purposes of further resolution of the Claim, such notice shall be deemed a denial.
- D. In the event that Engineer does not take action on a Claim within said 30 days, the Claim shall be deemed denied.
- E. Engineer's written action under Paragraph 10.05.C or denial pursuant to Paragraphs 10.05.C.3 or 10.05.D will be final and binding upon Owner and Contractor, unless Owner or Contractor invoke the dispute resolution procedure set forth in Article 16 within 30 days of such action or denial.
- F. No Claim for an adjustment in Contract Price or Contract Times will be valid if not submitted in accordance with this Paragraph 10.05.

ARTICLE 11 – COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

11.01 Cost of the Work

- A. *Costs Included:* The term Cost of the Work means the sum of all costs, except those excluded in Paragraph 11.01.B, necessarily incurred and paid by Contractor in the proper performance of the Work. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, the costs to be reimbursed to Contractor will be only those additional or incremental costs required because of the change in the Work or because of the event giving rise to the Claim. Except as otherwise may be agreed to in writing by Owner, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall not include any of the costs itemized in Paragraph 11.01.B, and shall include only the following items:
1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor. Such employees shall include, without limitation, superintendents, foremen, and other personnel employed full time on the Work. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits, which shall include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, shall be included in the above to the extent authorized by Owner.

2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts shall accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts shall accrue to Owner. All trade discounts, rebates and refunds and returns from sale of surplus materials and equipment shall accrue to Owner, and Contractor shall make provisions so that they may be obtained.
3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and Contractor and shall deliver such bids to Owner, who will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee shall be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 11.01.
4. Costs of special consultants (including but not limited to engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed for services specifically related to the Work.
5. Supplemental costs including the following:
 - a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.
 - b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, and hand tools not owned by the workers, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.
 - c. Rentals of all construction equipment and machinery, and the parts thereof whether rented from Contractor or others in accordance with rental agreements approved by Owner with the advice of Engineer, and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs shall be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the Work.
 - d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, as imposed by Laws and Regulations.
 - e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.
 - f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work (except losses and damages within the deductible amounts of

property insurance established in accordance with Paragraph 5.06.D), provided such losses and damages have resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses shall be included in the Cost of the Work for the purpose of determining Contractor's fee.

- g. The cost of utilities, fuel, and sanitary facilities at the Site.
- h. Minor expenses such as telegrams, long distance telephone calls, telephone service at the Site, express and courier services, and similar petty cash items in connection with the Work.
- i. The costs of premiums for all bonds and insurance Contractor is required by the Contract Documents to purchase and maintain.

B. *Costs Excluded:* The term Cost of the Work shall not include any of the following items:

- 1. Payroll costs and other compensation of Contractor's officers, executives, principals (of partnerships and sole proprietorships), general managers, safety managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 11.01.A.1 or specifically covered by Paragraph 11.01.A.4, all of which are to be considered administrative costs covered by the Contractor's fee.
- 2. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.
- 3. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.
- 4. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.
- 5. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraphs 11.01.A.

C. *Contractor's Fee:* When all the Work is performed on the basis of cost-plus, Contractor's fee shall be determined as set forth in the Agreement. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, Contractor's fee shall be determined as set forth in Paragraph 12.01.C.

- D. *Documentation:* Whenever the Cost of the Work for any purpose is to be determined pursuant to Paragraphs 11.01.A and 11.01.B, Contractor will establish and maintain records thereof in accordance with generally accepted accounting practices and submit in a form acceptable to Engineer an itemized cost breakdown together with supporting data.

11.02 Allowances

- A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.

B. *Cash Allowances:*

1. Contractor agrees that:

- a. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and
- b. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment on account of any of the foregoing will be valid.

C. *Contingency Allowance:*

1. Contractor agrees that a contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.

- D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

11.03 Unit Price Work

- A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.
- B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by Contractor will be made by Engineer subject to the provisions of Paragraph 9.07.
- C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.

- D. Owner or Contractor may make a Claim for an adjustment in the Contract Price in accordance with Paragraph 10.05 if:
1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and
 2. there is no corresponding adjustment with respect to any other item of Work; and
 3. Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or Owner believes that Owner is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease.

ARTICLE 12 – CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

12.01 Change of Contract Price

- A. The Contract Price may only be changed by a Change Order. Any Claim for an adjustment in the Contract Price shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.
- B. The value of any Work covered by a Change Order or of any Claim for an adjustment in the Contract Price will be determined as follows:
1. where the Work involved is covered by unit prices contained in the Contract Documents, by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 11.03); or
 2. where the Work involved is not covered by unit prices contained in the Contract Documents, by a mutually agreed lump sum (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 12.01.C.2); or
 3. where the Work involved is not covered by unit prices contained in the Contract Documents and agreement to a lump sum is not reached under Paragraph 12.01.B.2, on the basis of the Cost of the Work (determined as provided in Paragraph 11.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 12.01.C).
- C. *Contractor's Fee:* The Contractor's fee for overhead and profit shall be determined as follows:
1. a mutually acceptable fixed fee; or
 2. if a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:
 - a. for costs incurred under Paragraphs 11.01.A.1 and 11.01.A.2, the Contractor's fee shall be 15 percent;
 - b. for costs incurred under Paragraph 11.01.A.3, the Contractor's fee shall be five percent;

- c. where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraphs 12.01.C.2.a and 12.01.C.2.b is that the Subcontractor who actually performs the Work, at whatever tier, will be paid a fee of 15 percent of the costs incurred by such Subcontractor under Paragraphs 11.01.A.1 and 11.01.A.2 and that any higher tier Subcontractor and Contractor will each be paid a fee of five percent of the amount paid to the next lower tier Subcontractor;
- d. no fee shall be payable on the basis of costs itemized under Paragraphs 11.01.A.4, 11.01.A.5, and 11.01.B;
- e. the amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in cost will be the amount of the actual net decrease in cost plus a deduction in Contractor's fee by an amount equal to five percent of such net decrease; and
- f. when both additions and credits are involved in any one change, the adjustment in Contractor's fee shall be computed on the basis of the net change in accordance with Paragraphs 12.01.C.2.a through 12.01.C.2.e, inclusive.

12.02 *Change of Contract Times*

- A. The Contract Times may only be changed by a Change Order. Any Claim for an adjustment in the Contract Times shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.
- B. Any adjustment of the Contract Times covered by a Change Order or any Claim for an adjustment in the Contract Times will be determined in accordance with the provisions of this Article 12.

12.03 *Delays*

- A. Where Contractor is prevented from completing any part of the Work within the Contract Times due to delay beyond the control of Contractor, the Contract Times will be extended in an amount equal to the time lost due to such delay if a Claim is made therefor as provided in Paragraph 12.02.A. Delays beyond the control of Contractor shall include, but not be limited to, acts or neglect by Owner, acts or neglect of utility owners or other contractors performing other work as contemplated by Article 7, fires, floods, epidemics, abnormal weather conditions, or acts of God.
- B. If Owner, Engineer, or other contractors or utility owners performing other work for Owner as contemplated by Article 7, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times, or both. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

- C. If Contractor is delayed in the performance or progress of the Work by fire, flood, epidemic, abnormal weather conditions, acts of God, acts or failures to act of utility owners not under the control of Owner, or other causes not the fault of and beyond control of Owner and Contractor, then Contractor shall be entitled to an equitable adjustment in Contract Times, if such adjustment is essential to Contractor's ability to complete the Work within the Contract Times. Such an adjustment shall be Contractor's sole and exclusive remedy for the delays described in this Paragraph 12.03.C.
- D. Owner, Engineer, and their officers, directors, members, partners, employees, agents, consultants, or subcontractors shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.
- E. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delays within the control of Contractor. Delays attributable to and within the control of a Subcontractor or Supplier shall be deemed to be delays within the control of Contractor.

ARTICLE 13 – TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

13.01 *Notice of Defects*

- A. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor. Defective Work may be rejected, corrected, or accepted as provided in this Article 13.

13.02 *Access to Work*

- A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and governmental agencies with jurisdictional interests will have access to the Site and the Work at reasonable times for their observation, inspection, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's safety procedures and programs so that they may comply therewith as applicable.

13.03 *Tests and Inspections*

- A. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections, tests, or approvals and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.
- B. Owner shall employ and pay for the services of an independent testing laboratory to perform all inspections, tests, or approvals required by the Contract Documents except:
 - 1. for inspections, tests, or approvals covered by Paragraphs 13.03.C and 13.03.D below;

2. that costs incurred in connection with tests or inspections conducted pursuant to Paragraph 13.04.B shall be paid as provided in Paragraph 13.04.C; and
 3. as otherwise specifically provided in the Contract Documents.
- C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.
 - D. Contractor shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required for Owner's and Engineer's acceptance of materials or equipment to be incorporated in the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to Owner and Engineer.
 - E. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, Contractor shall, if requested by Engineer, uncover such Work for observation.
 - F. Uncovering Work as provided in Paragraph 13.03.E shall be at Contractor's expense unless Contractor has given Engineer timely notice of Contractor's intention to cover the same and Engineer has not acted with reasonable promptness in response to such notice.

13.04 *Uncovering Work*

- A. If any Work is covered contrary to the written request of Engineer, it must, if requested by Engineer, be uncovered for Engineer's observation and replaced at Contractor's expense.
- B. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, furnishing all necessary labor, material, and equipment.
- C. If it is found that the uncovered Work is defective, Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05.
- D. If the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the

parties are unable to agree as to the amount or extent thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.

13.05 *Owner May Stop the Work*

- A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

13.06 *Correction or Removal of Defective Work*

- A. Promptly after receipt of written notice, Contractor shall correct all defective Work, whether or not fabricated, installed, or completed, or, if the Work has been rejected by Engineer, remove it from the Project and replace it with Work that is not defective. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or removal (including but not limited to all costs of repair or replacement of work of others).
- B. When correcting defective Work under the terms of this Paragraph 13.06 or Paragraph 13.07, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.

13.07 *Correction Period*

- A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents) or by any specific provision of the Contract Documents, any Work is found to be defective, or if the repair of any damages to the land or areas made available for Contractor's use by Owner or permitted by Laws and Regulations as contemplated in Paragraph 6.11.A is found to be defective, Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:
 - 1. repair such defective land or areas; or
 - 2. correct such defective Work; or
 - 3. if the defective Work has been rejected by Owner, remove it from the Project and replace it with Work that is not defective, and
 - 4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others or other land or areas resulting therefrom.

- B. If Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others) will be paid by Contractor.
- C. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications.
- D. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this Paragraph 13.07, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.
- E. Contractor's obligations under this Paragraph 13.07 are in addition to any other obligation or warranty. The provisions of this Paragraph 13.07 shall not be construed as a substitute for, or a waiver of, the provisions of any applicable statute of limitation or repose.

13.08 *Acceptance of Defective Work*

- A. If, instead of requiring correction or removal and replacement of defective Work, Owner (and, prior to Engineer's recommendation of final payment, Engineer) prefers to accept it, Owner may do so. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness) and for the diminished value of the Work to the extent not otherwise paid by Contractor pursuant to this sentence. If any such acceptance occurs prior to Engineer's recommendation of final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work, and Owner shall be entitled to an appropriate decrease in the Contract Price, reflecting the diminished value of Work so accepted. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05. If the acceptance occurs after such recommendation, an appropriate amount will be paid by Contractor to Owner.

13.09 *Owner May Correct Defective Work*

- A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work, or to remove and replace rejected Work as required by Engineer in accordance with Paragraph 13.06.A, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, Owner may, after seven days written notice to Contractor, correct, or remedy any such deficiency.

- B. In exercising the rights and remedies under this Paragraph 13.09, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, take possession of Contractor's tools, appliances, construction equipment and machinery at the Site, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this Paragraph.
- C. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 13.09 will be charged against Contractor, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount of the adjustment, Owner may make a Claim therefor as provided in Paragraph 10.05. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.
- D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 13.09.

ARTICLE 14 – PAYMENTS TO CONTRACTOR AND COMPLETION

14.01 Schedule of Values

- A. The Schedule of Values established as provided in Paragraph 2.07.A will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed.

14.02 Progress Payments

A. Applications for Payments:

1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of all Liens and evidence that the materials and equipment are covered by appropriate property insurance or other

arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.

2. Beginning with the second Application for Payment, each Application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior Applications for Payment.
3. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

B. *Review of Applications:*

1. Engineer will, within 10 days after receipt of each Application for Payment, either indicate in writing a recommendation of payment and present the Application to Owner or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.
2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations of the executed Work as an experienced and qualified design professional, and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:
 - a. the Work has progressed to the point indicated;
 - b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, the results of any subsequent tests called for in the Contract Documents, a final determination of quantities and classifications for Unit Price Work under Paragraph 9.07, and any other qualifications stated in the recommendation); and
 - c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.
3. By recommending any such payment Engineer will not thereby be deemed to have represented that:
 - a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract Documents; or
 - b. there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.

4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:
 - a. to supervise, direct, or control the Work, or
 - b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or
 - c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work, or
 - d. to make any examination to ascertain how or for what purposes Contractor has used the moneys paid on account of the Contract Price, or
 - e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.
5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 14.02.B.2. Engineer may also refuse to recommend any such payment or, because of subsequently discovered evidence or the results of subsequent inspections or tests, revise or revoke any such payment recommendation previously made, to such extent as may be necessary in Engineer's opinion to protect Owner from loss because:
 - a. the Work is defective, or completed Work has been damaged, requiring correction or replacement;
 - b. the Contract Price has been reduced by Change Orders;
 - c. Owner has been required to correct defective Work or complete Work in accordance with Paragraph 13.09; or
 - d. Engineer has actual knowledge of the occurrence of any of the events enumerated in Paragraph 15.02.A.

C. Payment Becomes Due:

1. Ten days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended will (subject to the provisions of Paragraph 14.02.D) become due, and when due will be paid by Owner to Contractor.

D. Reduction in Payment:

1. Owner may refuse to make payment of the full amount recommended by Engineer because:
 - a. claims have been made against Owner on account of Contractor's performance or furnishing of the Work;

- b. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens;
 - c. there are other items entitling Owner to a set-off against the amount recommended; or
 - d. Owner has actual knowledge of the occurrence of any of the events enumerated in Paragraphs 14.02.B.5.a through 14.02.B.5.c or Paragraph 15.02.A.
2. If Owner refuses to make payment of the full amount recommended by Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, when Contractor remedies the reasons for such action.
 3. Upon a subsequent determination that Owner's refusal of payment was not justified, the amount wrongfully withheld shall be treated as an amount due as determined by Paragraph 14.02.C.1 and subject to interest as provided in the Agreement.

14.03 *Contractor's Warranty of Title*

- A. Contractor warrants and guarantees that title to all Work, materials, and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to Owner no later than the time of payment free and clear of all Liens.

14.04 *Substantial Completion*

- A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete (except for items specifically listed by Contractor as incomplete) and request that Engineer issue a certificate of Substantial Completion.
- B. Promptly after Contractor's notification, Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.
- C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a tentative certificate of Substantial Completion which shall fix the date of Substantial Completion. There shall be attached to the certificate a tentative list of items to be completed or corrected before final payment. Owner shall have seven days after receipt of the tentative certificate during which to make written objection to Engineer as to any provisions of the certificate or attached list. If, after considering such objections, Engineer concludes that the Work is not substantially complete, Engineer will, within 14 days after submission of the tentative certificate to Owner, notify Contractor in writing, stating the reasons therefor. If, after consideration of Owner's objections, Engineer considers the Work substantially complete, Engineer will, within said 14 days, execute and deliver to Owner and Contractor a definitive

certificate of Substantial Completion (with a revised tentative list of items to be completed or corrected) reflecting such changes from the tentative certificate as Engineer believes justified after consideration of any objections from Owner.

- D. At the time of delivery of the tentative certificate of Substantial Completion, Engineer will deliver to Owner and Contractor a written recommendation as to division of responsibilities pending final payment between Owner and Contractor with respect to security, operation, safety, and protection of the Work, maintenance, heat, utilities, insurance, and warranties and guarantees. Unless Owner and Contractor agree otherwise in writing and so inform Engineer in writing prior to Engineer's issuing the definitive certificate of Substantial Completion, Engineer's aforesaid recommendation will be binding on Owner and Contractor until final payment.
- E. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to remove its property and complete or correct items on the tentative list.

14.05 *Partial Utilization*

- A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions:
 - 1. Owner at any time may request Contractor in writing to permit Owner to use or occupy any such part of the Work which Owner believes to be ready for its intended use and substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor, Owner, and Engineer will follow the procedures of Paragraph 14.04.A through D for that part of the Work.
 - 2. Contractor at any time may notify Owner and Engineer in writing that Contractor considers any such part of the Work ready for its intended use and substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.
 - 3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 14.04 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.
 - 4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 5.10 regarding property insurance.

14.06 *Final Inspection*

- A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

14.07 *Final Payment*

A. *Application for Payment:*

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, marked-up record documents (as provided in Paragraph 6.12), and other documents, Contractor may make application for final payment following the procedure for progress payments.
2. The final Application for Payment shall be accompanied (except as previously delivered) by:
 - a. all documentation called for in the Contract Documents, including but not limited to the evidence of insurance required by Paragraph 5.04.B.6;
 - b. consent of the surety, if any, to final payment;
 - c. a list of all Claims against Owner that Contractor believes are unsettled; and
 - d. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of or Liens filed in connection with the Work.
3. In lieu of the releases or waivers of Liens specified in Paragraph 14.07.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (i) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (ii) all payrolls, material and equipment bills, and other indebtedness connected with the Work for which Owner might in any way be responsible, or which might in any way result in liens or other burdens on Owner's property, have been paid or otherwise satisfied. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien.

B. *Engineer's Review of Application and Acceptance:*

1. If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations under the Contract Documents have been fulfilled, Engineer will, within ten days after receipt of the final Application for

Payment, indicate in writing Engineer's recommendation of payment and present the Application for Payment to Owner for payment. At the same time Engineer will also give written notice to Owner and Contractor that the Work is acceptable subject to the provisions of Paragraph 14.09. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.

C. Payment Becomes Due:

1. Thirty days after the presentation to Owner of the Application for Payment and accompanying documentation, the amount recommended by Engineer, less any sum Owner is entitled to set off against Engineer's recommendation, including but not limited to liquidated damages, will become due and will be paid by Owner to Contractor.

14.08 Final Completion Delayed

- A. If, through no fault of Contractor, final completion of the Work is significantly delayed, and if Engineer so confirms, Owner shall, upon receipt of Contractor's final Application for Payment (for Work fully completed and accepted) and recommendation of Engineer, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by Owner for Work not fully completed or corrected is less than the retainage stipulated in the Agreement, and if bonds have been furnished as required in Paragraph 5.01, the written consent of the surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by Contractor to Engineer with the Application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

14.09 Waiver of Claims

- A. The making and acceptance of final payment will constitute:
 1. a waiver of all Claims by Owner against Contractor, except Claims arising from unsettled Liens, from defective Work appearing after final inspection pursuant to Paragraph 14.06, from failure to comply with the Contract Documents or the terms of any special guarantees specified therein, or from Contractor's continuing obligations under the Contract Documents; and
 2. a waiver of all Claims by Contractor against Owner other than those previously made in accordance with the requirements herein and expressly acknowledged by Owner in writing as still unsettled.

ARTICLE 15 – SUSPENSION OF WORK AND TERMINATION

15.01 *Owner May Suspend Work*

- A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by notice in writing to Contractor and Engineer which will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be granted an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension if Contractor makes a Claim therefor as provided in Paragraph 10.05.

15.02 *Owner May Terminate for Cause*

- A. The occurrence of any one or more of the following events will justify termination for cause:
1. Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the Progress Schedule established under Paragraph 2.07 as adjusted from time to time pursuant to Paragraph 6.04);
 2. Contractor's disregard of Laws or Regulations of any public body having jurisdiction;
 3. Contractor's repeated disregard of the authority of Engineer; or
 4. Contractor's violation in any substantial way of any provisions of the Contract Documents.
- B. If one or more of the events identified in Paragraph 15.02.A occur, Owner may, after giving Contractor (and surety) seven days written notice of its intent to terminate the services of Contractor:
1. exclude Contractor from the Site, and take possession of the Work and of all Contractor's tools, appliances, construction equipment, and machinery at the Site, and use the same to the full extent they could be used by Contractor (without liability to Contractor for trespass or conversion);
 2. incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere; and
 3. complete the Work as Owner may deem expedient.
- C. If Owner proceeds as provided in Paragraph 15.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Owner arising out of or relating to completing the Work, such excess will be paid to Contractor. If such claims, costs, losses, and damages exceed such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or

remedies under this Paragraph, Owner shall not be required to obtain the lowest price for the Work performed.

- D. Notwithstanding Paragraphs 15.02.B and 15.02.C, Contractor's services will not be terminated if Contractor begins within seven days of receipt of notice of intent to terminate to correct its failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt of said notice.
- E. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue. Any retention or payment of moneys due Contractor by Owner will not release Contractor from liability.
- F. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 5.01.A, the termination procedures of that bond shall supersede the provisions of Paragraphs 15.02.B and 15.02.C.

15.03 *Owner May Terminate For Convenience*

- A. Upon seven days written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):
 - 1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;
 - 2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses;
 - 3. all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others; and
 - 4. reasonable expenses directly attributable to termination.
- B. Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

15.04 *Contractor May Stop Work or Terminate*

- A. If, through no act or fault of Contractor, (i) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (ii) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (iii) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may,

upon seven days written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the Contract and recover from Owner payment on the same terms as provided in Paragraph 15.03.

- B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, seven days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this Paragraph 15.04 are not intended to preclude Contractor from making a Claim under Paragraph 10.05 for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this Paragraph.

ARTICLE 16 – DISPUTE RESOLUTION

16.01 Methods and Procedures

- A. Either Owner or Contractor may request mediation of any Claim submitted to Engineer for a decision under Paragraph 10.05 before such decision becomes final and binding. The mediation will be governed by the Construction Industry Mediation Rules of the American Arbitration Association in effect as of the Effective Date of the Agreement. The request for mediation shall be submitted in writing to the American Arbitration Association and the other party to the Contract. Timely submission of the request shall stay the effect of Paragraph 10.05.E.
- B. Owner and Contractor shall participate in the mediation process in good faith. The process shall be concluded within 60 days of filing of the request. The date of termination of the mediation shall be determined by application of the mediation rules referenced above.
- C. If the Claim is not resolved by mediation, Engineer's action under Paragraph 10.05.C or a denial pursuant to Paragraphs 10.05.C.3 or 10.05.D shall become final and binding 30 days after termination of the mediation unless, within that time period, Owner or Contractor:
1. elects in writing to invoke any dispute resolution process provided for in the Supplementary Conditions; or
 2. agrees with the other party to submit the Claim to another dispute resolution process; or
 3. gives written notice to the other party of the intent to submit the Claim to a court of competent jurisdiction.

ARTICLE 17 – MISCELLANEOUS

17.01 Giving Notice

- A. Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if:

1. delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended; or
2. delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

17.02 *Computation of Times*

- A. When any period of time is referred to in the Contract Documents by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

17.03 *Cumulative Remedies*

- A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract Documents. The provisions of this Paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

17.04 *Survival of Obligations*

- A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion, and acceptance of the Work or termination or completion of the Contract or termination of the services of Contractor.

17.05 *Controlling Law*

- A. This Contract is to be governed by the law of the state in which the Project is located.

17.06 *Headings*

- A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.