



LAVACA-NAVIDAD RIVER AUTHORITY

Texana Bridge Class Culvert Rehabilitation Project

Tuesday, December 1, 2020 at 1:00 p.m.

COMPETITIVE SEALED PROPOSAL

SECTION 00099

TABLE OF CONTENTS

CONTRACT DOCUMENTS AND SPECIFICATIONS

Section
Number

Title

DIVISION 0 - BIDDING AND CONTRACT REQUIREMENTS

00100	Advertisement for Bids
00101	Instruction to Submitters
00102	Notice to Contractors - Texas House Bill 560 Texas House Bill 560 (Attachment)
00103	Notice to Contractors - New Rule, 28 TAC 110.110
00104	Competitive Sealed Proposal
00104	Prevailing Wage Rates
00106	Questionnaire
00106	Statement of Submitter's Qualifications
00108	Non-Collusion Affidavit of Bidder
00109	Conflict of Interest Questionnaire
00110	Bid Bond
00111	Agreement
00112	Performance Bond
00113	Payment Bond
00114	Standard General Conditions of the Construction Contract
00115	Supplemental General Conditions

DIVISION 1 - GENERAL REQUIREMENTS

01000	Special Conditions
01001	Estimate for Partial Payment
01002	Submittals

DRAWINGS

DIVISION O
BIDDING AND CONTRACT REQUIREMENTS

SECTION 00100

ADVERTISEMENT FOR BIDS

The Lavaca Navidad River Authority is requesting competitive sealed proposals for the Texana Bridge Class Culvert Rehabilitation Project at Texana Park and Campground located in Jackson County, Texas. Specific project information may be obtained from the LNRA at 361-782-5229 or P.O. Box 429, Edna, TX 77957. Sealed proposals are due in writing and will be publicly acknowledged at the LNRA office, located at 4631 FM 3131, 7 miles southeast of Edna, on **Tuesday, December 1, 2020 at 1:00 p.m.** Any bids received after this time will be returned unopened.

Evaluation and award will be based on qualifications and experience of the project team, as well as references and not solely on the lowest monetary pricing submitted.

Work included in this project consists of (i) procurement of a 95 LF 20'-1" x 13'-11" ALSP Pipe Arch Culvert as provided by Contech Engineering Solutions or Lane Enterprises (ii) worksite preparation for the installation and removal of a sheet pile bulkhead to protect the worksite from water infiltration (iii) worksite preparation for dewatering the work area around both sides of the existing bridge class pipe culvert (iv) installation of a 20'-1" x 13'-11" ALSP Pipe Arch Culvert and end treatments (v) installation of a concrete riprap apron around the unprotected slope ends on either side of the bridge class culvert.

Entities submitting proposals must submit a certified check or bank draft payable to the order of Lavaca Navidad River Authority, or a satisfactory Bid Bond executed by the submitter and an acceptable surety, in an amount equal to five (5%) percent of the total proposal price, as a guaranty that the entity submitting the proposal will enter into a Contract within fifteen (15) days after Notice of Award of Contract.

There will be a mandatory "Pre-Bid" meeting. The meeting will be held at Texana Park Maintenance Yard, located at 46 Park Rd. 1, Edna, TX 77957 at 10:00 a.m., on Monday, October 19, 2020.

The successful entity must ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, sex, or national origin.

Bids may be held for a period not exceeding sixty (60) days for the purpose of review. The Lavaca-Navidad River Authority, reserves the right to reject any or all proposals or to waive any informalities in the Bidding.

Patrick Brzozowski, P.E.
General Manager

***** END OF SECTION *****

SECTION 00101

INSTRUCTION TO SUBMITTERS

PART 1 GENERAL

1.1 SCOPE

This Project consists of relining the existing bridge class pipe culvert at Texana Park and Campground in Jackson County, Texas, as shown on the Drawings and required by the Specifications provided by the manufacturer. The Contractor shall provide all necessary labor, materials, equipment, and supervision as described:

Procurement and installation of a HS-20 rated 95 LF 20'-1 x 13'-11 Aluminum Structural Plate Pipe ("ALSP") Arch Culvert, to be provided by Contech Engineering Solutions or Lane Enterprises, that will reline the existing bridge class pipe culvert and be grouted in place. Worksite preparation, installation, and removal of a sheet pile bulkhead to protect the worksite from water infiltration and dewatering of the area around both sides of the existing bridge class pipe culvert. Assembly of ALSP pipe arch panels, grouting, and placement of concrete riprap apron around the unprotected slope ends.

In addition to the bid, Submitter shall provide a written procedure, and drawings as necessary, to describe the process Submitter will use to install the 20'-1" x 13'-11" ALSP Pipe Arch, the installation procedure for the concrete false work to pump cementitious grout between the existing and proposed pipe, installation of sheet pile bulkhead to use for dewatering purposes, and a description of the procedure to protect existing electrical, water, and sewage utilities around the work area. Submitter shall provide traffic control and coordination of any lane closures at the work area location as required. It is the Owners intent to maintain one traffic lane open during construction, temporary interruptions should be expected.

1.2 RECEIPT AND OPENING OF PROPOSALS

- A. The Lavaca Navidad River Authority (herein called "OWNER") invites Competitive Sealed Proposals on the form attached hereto, all blanks of which must be appropriately filled in. Proposals will be received by the Owner at the offices of the Lavaca Navidad River Authority at 4631 FM 3131, Edna, Texas 77957 on the date and at the time indicated in Section 00100 "Advertisement for Proposals," and then publicly opened and acknowledged. The envelopes containing the proposals must be sealed and addressed to the Lavaca Navidad River Authority, as follows: and designated as:

**Lavaca-Navidad River Authority
Attn: Competitive Sealed Proposal for
Texana Bridge Class Culvert Rehabilitation
4631 FM 3131
Edna, Texas 77957**

- B. The Owner may consider informal any proposal not prepared and submitted in accordance with the provisions hereof and may waive any informalities or reject any and all proposals. Any proposal may be withdrawn prior to the above scheduled time for the opening of proposals or authorized postponement thereof. Any proposal received after the time and date specified shall not be considered. No submitter may withdraw a proposal after 48-hours after the actual date of the opening thereof.
- C. **The submitter is reminded that their proposal is to be evaluated based on qualifications and experience of the project team, as well as references and not solely on the lowest monetary pricing submitted. The selection/evaluation criteria is shown below:**
- 1) Submitters Monetary Proposal – 50 points
The following additional criteria (Items 2-4) is required to be submitted for evaluation with the monetary proposal.
 - 2) Submitters Experience – 20 points
 - 3) Qualifications and experience of the submitter's project manager and superintendent – 5 points each (10 points total)
 - 4) References (The quality of references from owners/owners representatives on similar projects within the last 5-years) – 15 points

1.3 PREPARATION OF PROPOSAL

- A. Each proposal must be submitted on the prescribed form with questionnaire attached. All blank spaces for prices must be filled in, in ink or typewritten, in both words and figures.
- B. Each proposal must be submitted in a sealed envelope bearing on the outside the name of the submitter, his address, and the name of the Project for which proposal is submitted. If forwarded by mail, the sealed envelope containing the proposal must be enclosed in another envelope addressed as specified in the proposal form.
- C. **Submitters should take note that while the Owner receives FedEx and UPS, deliveries are not on a scheduled basis and therefore should not be relied upon to deliver proposals timely.**

1.4 PROPOSAL MODIFICATIONS

- A. Any submitter may modify their proposal by telegraphic communication at any time prior to the scheduled closing time for receipt of proposals, provided such telegraphic communication is received by the Owner prior to the bid closing time, and provided further, the Owner is satisfied that a written confirmation of the telegraphic modification over the signature of the submitter was mailed prior to the bid closing time. The telegraphic communication should not reveal

the price but should provide the addition, subtractions or other modifications so that the final prices or terms will not be known by the Owner until the sealed proposal is opened. If written confirmation is not received within two (2) days from the bid closing time, no consideration will be given to the telegraphic modification.

- B. Likewise, any submitter may modify a proposal by submitting a supplemental proposal in person prior to the scheduled closing time for receipt of proposals. Such supplemental Bid should mention only additions or subtractions to the original proposal so as to not reveal the final prices or terms to the Owner until the sealed proposal is opened.

1.5 QUALIFICATIONS OF BIDDER

The Owner may make such investigation as deemed necessary to determine the ability of the submitter to perform the work, and the submitter shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any proposal if the evidence submitted by, or investigation of, such submitter fails to satisfy the Owner that such submitter is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein. Submitter must complete the Section 00106 "Questionnaire" and 00107 "Statement of Submitter's Qualifications" and submit this with the sealed Proposal.

1.6 BID SECURITY

Each proposal must be accompanied by cash, certified check of the submitter, or a Bid Bond, duly executed by the submitter as principal and having as surety thereon a surety company approved by the Owner, in the amount of five percent (5%) of the submitted price. Such cash, checks or Bid bonds will be returned to all except the three (3) lowest submitters within three (3) days after the opening of proposals, and the remaining cash, checks or Bid Bonds will be returned promptly after the Owner and the accepted submitter have executed the Contract, or, if no award has been made within thirty (30) days after the date of the opening of proposals, upon demand of the submitter at any time thereafter, so long as the submitter has not been notified of the acceptance of their proposal.

1.7 LIQUIDATED DAMAGES FOR FAILURE TO ENTER INTO CONTRACT

The successful submitter, upon failure or refusal to execute and deliver the Contract and bonds required within fifteen (15) days after received notice of the acceptance of the proposal, shall forfeit to the Owner, as liquidated damages for such failure or refusal, the Bid security deposited with the proposal.

1.8 TIME OF COMPLETION AND LIQUIDATED DAMAGES

Submitter must agree to commence work on or before a date to be specified in a written "Notice to Proceed" of the Owner and to fully complete the Project within the number of working days as shown on his Proposal. Bidder must agree also to pay as liquidated damages the sum of **Five Hundred Dollars (\$500.00)** for each consecutive calendar day thereafter as hereinafter provided in the General Conditions.

1.9 CONDITIONS OF WORK

Each submitter must inform themselves fully of the conditions relating to the construction of the Project and the employment of labor thereon. Failure to do so will not relieve a successful submitter of their obligation to furnish all material and labor necessary to carry out the provisions of this Contract. Insofar as possible the Contractor, in carrying out his work, must employ such methods or means as will not cause any interruption of or interference with the work of any other Contractor.

1.10 ADDENDA AND INTERPRETATIONS

- A. No interpretations of the meaning of the Drawings, Specifications or other pre-proposal documents will be made to any submitter orally.
- B. Each request for such interpretation should be in writing addressed to Lavaca Navidad River Authority, 4631 FM 3131, Edna, Texas 77957, and to be given consideration must be received at least five (5) days prior to the date fixed for the opening of proposals. Any and all such interpretations and any supplemental instructions will be in the form of written addenda to the Specifications which, if issued, will be mailed by Certified Mail with return receipt requested to all prospective submitters (at the respective addresses furnished for such purposes), not later than three (3) days prior to the date fixed for the opening of proposals. Failure of any submitter to receive any such Addendum or interpretation shall not relieve such submitter from any obligation under their proposal as submitted. All Addenda so issued shall become part of the Contract Documents.

1.11 SECURITY FOR FAITHFUL PERFORMANCE

This project requires that a Bid Security be submitted with the Proposal Form. Simultaneously with delivery of the executed Contract, the Contractor shall furnish surety bonds as security for faithful performance of this Contract and for the payment of all persons performing labor on the Project under this Contract and furnishing materials in connection with this Contract, as specified in the General Conditions included herein. **Performance and Payment bonds shall be required.** The surety on such bonds shall be a duly authorized surety company satisfactory to the Owner.

1.12 POWER OF ATTORNEY

Attorneys-in-fact who sign Bid bonds or Contract bonds must file with each bond a certified and effectively dated copy of their Power of Attorney.

1.13 NOTICE OF SPECIAL CONDITIONS

Attention is particularly called to those parts of the Contract Documents and Specifications which deal with Section 01000 "Special Conditions."

1.14 LAWS, REGULATIONS AND PERMITS

The submitter's attention is directed to the fact that all applicable State laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the Project shall apply to the Contract throughout, and they will be deemed to be included in the Contract the same as though herein written out in full.

1.15 WAGE RATES

The submitter's attention is called to the requirement of paying not less than the local prevailing wage rates. These rates are minimums to be paid during the life of the Contract. It is therefore the responsibility of the submitter to inform themselves as to the local labor conditions.

1.16 STATE SALES TAX

The Owner will furnish to the Contractor a Sales Tax Exemption Certificate for the purchase of eligible materials for this Project.

1.17 OBLIGATION OF BIDDER

At the time of the opening of proposals each submitter will be presumed to have inspected the site and to have read and to be thoroughly familiar with the Drawings and Contract Documents (including Addenda). The failure or omission of any submitter to examine any form, instruments or document shall in no way relieve any submitter from any obligation in respect to their proposal.

1.18 EQUAL EMPLOYMENT OPPORTUNITY

The submitter's attention is called to the requirements for ensuring that employees and applicants for employment are not discriminated against because of their race, color, creed, sex, or national origin.

1.19 RETAINAGE AMOUNT

A retainage in the amount of ten percent (10%) shall be withheld and noted on all Estimates for Partial Payments until final acceptance of the completed work by the Owner.

***** END OF SECTION *****

SECTION 00102

NOTICE TO CONTRACTORS

"TEXAS HOUSE BILL 560 ATTACHMENT"

The Contract is amended to incorporate the provisions of the Texas House Bill 560 (copy attached). To the extent any General, Special or other provision of the Contract is inconsistent with or in conflict with House Bill 560, then the terms of House Bill 560 shall control.

AN ACT

relating to the payment of certain laborers, workers, and mechanics under public works contracts.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF TEXAS:

SECTION 1. Section 2, Chapter 45, General Laws, Acts of the 43rd Legislature, Regular Session, 1933 (Article 5159a, Vernon's Texas Civil Statutes), is amended as follows:

Sec. 2. (a) The public body awarding any contract for public work on behalf of the State, or on behalf of any county, city and county, city, town, district or other political subdivision thereof, or otherwise undertaking any public work, shall ascertain the general prevailing rate of per diem wages in the locality in which the work is to be performed for each craft or type of workman or mechanic needed to execute the contract, and shall specify in the call for bids for said contract, and in the contract itself, what the general prevailing rate of per diem wages in the said locality is for each craft or type of workman needed to execute the contract, also the prevailing rate for legal holiday and overtime work, and it shall be mandatory upon the contractor to whom the contract is awarded, and upon any subcontractor under him, to pay not less than the said specified rates to all laborers, workmen and mechanics employed by them in the execution of the contract. Failure of the awarding body to ascertain and specify in the call for the contract the prevailing wage rate in that locality relieves the contractor or subcontractor from liability under this Act. To ascertain the general prevailing wage rate, the public body shall either conduct a survey to determine the prevailing wage based upon the wages received by classes of laborers and mechanics employed on projects of a character similar to the contract work in the city, county or other political subdivision of the State in which the work is to be performed, or adopt the prevailing wage rate as determined by the U.S. Department of Labor in accordance with the Davis-Bacon Act, if the survey on which the Davis-Bacon rate was founded was conducted within three years prior to the bidding of the project.

(b) A contractor or subcontractor in violation of this Act is liable for ~~The contractor shall forfeit~~ as a penalty. That contractor or subcontractor shall pay to the State, county, or city with more than 10,000 residents ~~city and county, city, town,~~ district or other political subdivision on whose behalf the contract is made or awarded, ~~Sixty Dollars (\$60.00) Ten Dollars (\$10.00)~~ for each laborer, workman or mechanic employed, for each calendar day, or portion thereof, such laborer, workman or mechanic is paid less than the said stipulated rates for any work done under said contract, ~~by him, or by any subcontractor under him,~~ and the said public body awarding the contract shall cause to be inserted in the contract a stipulation to this effect. The money collected under this subsection shall be used by the awarding body to offset the costs incurred in the administration of this section.

(c) Upon receipt of a complaint by a laborer, workman, or mechanic or other pertinent information, the public body shall determine within 30 days whether good cause exists to believe that a contractor or subcontractor has committed a violation of this Act. The public body shall provide written notice of its determination to the contractor or subcontractor and any affected laborer, workman, or mechanic. The public body shall retain any amounts due under the contract pending a final determination of the violation.

(d) If the contractor or subcontractor and any affected laborer, workman, or mechanic fail to resolve the alleged violation by agreement within 14 days of the determination by the public body, the issues of the alleged violation, any penalties owed to the public body, and any amounts owed to

any affected laborer, workman, or mechanic shall be submitted to binding arbitration in accordance with the provisions of the Texas General Arbitration Act (Art. 224 et seq., Revised Statutes). If the parties fail to agree upon an arbitrator within 10 days, the arbitrator shall be designated by the district court upon petition of any party. The decision and award of the arbitrator is final and binding upon all parties and may be enforced in any court of competent jurisdiction. The public body is not a party in the arbitration.

(e) The arbitrator shall assess and award all reasonable costs, including the arbitrator's fee, against the party or parties who fail to prevail in the proceeding. Costs may be assessed against the workman, laborer, or mechanic only if the arbitrator finds that the claim was frivolous. If the arbitrator does not find that the claim is frivolous and does not make an award to the laborer, workman, or mechanic, costs will be shared equally by the parties. If the arbitrator determines that a violation of the Act has occurred, the arbitrator shall assess and award penalties as provided in the Act and all amounts owed to the affected workman, laborer, or mechanic against the contractor or subcontractor.

(f) The public body shall use any amounts retained under this subsection to reimburse the laborer, workman, or mechanic for the amount owed to that person because of the failure to pay the person the general prevailing rate of per diem wages as provided in the arbitrator's award. The public body may adopt rules, orders, or ordinances relating to the manner in which the reimbursement is made to the laborer, workman, or mechanic. An office, agent, or employee of a public body is not liable in a civil action for any act or omission implementing or enforcing this Act unless the action was made in bad faith. The contractor is entitled to rely on a certificate by a subcontractor as to the payment of all sums due to those working for and under that subcontractor until the contrary has been determined.

(g) If the amounts withheld by, if any, the public body under Subsection (c) of this section are insufficient to fully reimburse the laborer, workman, or mechanic for amounts owed to that person under the terms of this Act, that person has a right of action against the contractor or subcontractor and the surety of that person to recover any amounts owed, reasonable attorney's fees and court costs.

(h) It shall be the duty of such public body awarding the contract, and its agents and officers, to take cognizance of complaints of all violations of the provisions of this Act committed in the course of the execution of the contract, and, when making payments to the contractor of monies becoming due under said contract, to withhold and retain ~~therefrom~~ all sums and amounts ~~which shall have been forfeited or required to be retained under this section pursuant to the herein said stipulation and the terms of this Act~~; provided, however, that no sum shall be so withheld, retained or forfeited, except from the final payment, without a determination ~~full investigation~~ by the awarding body that good cause exists to believe that a violation has occurred.

(i) It shall be lawful for any contractor to withhold from any subcontractor under him sufficient sums to cover any amounts ~~penalties~~ withheld from him by the awarding body on account of the said subcontractor's failure to comply with the terms of this Act, and if payment has already been made to the subcontractor, ~~him~~ the contractor may withhold the amount from any future payments owed to the subcontractor or recover from the subcontractor or the subcontractor's surety in a suit at law ~~him the amount retained or forfeited of the penalty or forfeiture in a suit at law.~~

LEGISLATIVE INFORMATION SYSTEM 73 (R)
BILL TEXT REPORT
HB 560 ENROLLED VERSION

SECTION 2. This Act takes effect September 1, 1993, and applies only to a public works contract entered on or after that date.

SECTION 3. The importance of this legislation and the crowded condition of the calendars in both houses create an emergency and an imperative public necessity that the constitutional rule requiring bills to be read on three several days in each house be suspended, and this rule is hereby suspended.

President of the Senate

Speaker of the House

I certify that H.B. No. 560 was passed by the House on May 11, 1993, by a non-record vote; and that the House concurred in Senate amendments to H.B. No. 560 on May 24, 1993, by a non-record vote; and that the House adopted H.C.R. No. 172 authorizing certain corrections in H.B. No. 560 on May 28, 1993.

Chief Clerk of the House

I certify that H.B. No. 560 was passed by the Senate, with amendments, on May 22, 1993, by a viva-voce vote; and that the Senate adopted H.C.R. No. 172 authorizing certain corrections in H.B. No. 560 on May 29, 1993.

Secretary of the Senate

SECTION 00103

**NOTICE TO CONTRACTORS
NEW RULE, 28 TAC 110.110
Requiring Requirements for Building or
Construction Projects for Governmental Entities**

Attached to this Document is material from the Texas Workers' Compensation Commission which is required to be included in building or construction Bid and Contract Documents, on and after September 1, 1994.

By way of summary, a new rule requires that Contractors, Subcontractors, and any others providing services (including deliveries to the job site) or work which relates to a building or construction project must be covered by Workers' Compensation Insurance (or authorized self-insurance). The rule requires that certain Workers' Compensation Insurance provisions must be included both in the Contract with the successful Bidder and in that Bidder's Contracts with others who will provide services or work which relates to a building or construction project.

Most significantly, the successful Bidder must:

- 1) Provide a Certificate of Coverage to the Owner before it may be awarded the Contract;
- 2) Obtain from each person providing services on a project, a Certificate of Coverage. Such a Certificate must be obtained by the successful Bidder, and provided to the Owner, before an individual may begin work on the project. This is so that the Owner will have on file Certificates of Coverage for all person providing services on the project;
- 3) Obtain, and provide to the Owner, updated Certificates showing extension of coverage if coverage expires during the term of the project;
- 4) Notify the Owner in writing, by Certified Mail or personal delivery, within ten (10) days after he knows or should know, of any change that materially affects the provision of coverage of any person providing services on the project; and,
- 5) Post the required notice at the job site.

This cover page is not intended to recite all of the requirements of the attached rule. The language of the rule controls and the attached material shall be deemed incorporated into both the Bid Documents and Contract concerning the project as if set out in full in each Document. Further, to the extent the attached material cannot be reconciled with provision already in either the Bid Documents or Contract, then the attached material shall control.

***** END OF SECTION *****

SECTION 00104

COMPETITIVE SEALED PROPOSAL

Date: _____

PROPOSAL of _____

(Hereinafter called "Submitter"), a corporation organized and existing under the laws of the State of Texas, a partnership, or an individual doing business as _____

TO: Lavaca Navidad River Authority
4631 FM 3131
Edna, Texas 77957
(Hereinafter called "Owner")

Gentlemen:

The submitter, in compliance with your invitation for competitive proposals for the Texana Bridge Class Culvert Rehabilitation Project, together with all appurtenances, having examined the Plans and Specifications and related documents and the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed Project including the availability of labor and materials, hereby proposes to furnish all labor, materials, and supplies, and to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the prices stated below. This price is to cover all expenses incurred in performing the work required under the Contract Documents, of which this Proposal is a part.

The submitter hereby agrees to commence work under this Contract on or before a date to be specified in a written "Notice to Proceed" from the Owner and to fully complete the Project within the number of consecutive calendar days as shown on this Proposal. **The submitter further understands that this proposal will be evaluated on qualifications and experience of the project team, as well as references and not solely on the lowest monetary price submitted.**

The submitter hereby agrees to provide a written procedure, and drawings as necessary, to describe the process Submitter will use to install the 20'-1" x 13'-11" ALSP Pipe Arch, the installation of the concrete false work to pump cementitious grout between the existing and proposed pipe, installation of sheet pile bulkhead to use for dewatering purposes, and a description of the procedure to protect existing water, electrical, and sewage utilities around the work area. Submitter shall provide traffic control and coordination of any lane closures at the work area location as required.

Submitter hereby acknowledges receipt of the following addenda:

The submitter agrees to perform all work described in the Specifications and Plans as detailed below:

PROCEDURE TO PERFORM WORK

-
1. Describe the process in which Submitter will use to install the HS-20 rated 95 LF 20'-1 x 13'-11 Aluminum Structural Plate Pipe ("ALSP") Culvert that will reline the existing bridge class pipe culvert and be grouted in place.

-
2. Describe the process in which Submitter will install the concrete false work to pump cementitious grout between existing and proposed pipe.

-
3. Describe the process in which Submitter will install the sheet pile bulkhead to use for dewatering purposes.

4. Describe the process in which Submitter will use to protect existing utilities around the work area.

5. Describe the process in which Submitter will provide traffic control and coordination of any lane closures at the work area as required.

The submitter agrees to perform all work described in the Specifications and Plans for the following prices:

BASE BID

Item No.	Quantity and Units	Description
1.	1 EA	Procurement of a HS-20 rated 95 LF 20'-1 x 13'-11 Aluminum Structural Plate Pipe ("ALSP") Arch Culvert, as provided by Contech Engineering Solutions or Lane Enterprises with the purpose of relining an existing bridge class pipe culvert that will be grouted in place. The pipe shall have prefabricated grout ports and supporting documents on placement procedures.

\$ _____
Lump Sum Price (In Figures)

\$ _____
Lump Sum Price (In Written Words)

2.	1 EA	Installation and removal of a sheet pile bulkhead to protect the worksite from water infiltration.
----	------	--

\$ _____
Lump Sum Price (In Figures)

\$ _____
Lump Sum Price (In Written Words)

3. 1 EA Dewatering the work area around both sides of the existing bridge class pipe culvert.

\$ _____
Lump Sum Price (In Figures)

\$ _____
Lump Sum Price (In Written Words)

4. 1 EA Installation of the 20'-1" x 13'-11" ALSP Pipe Arch Culvert as shown in the plans, specifications, and details provided by the manufacturer.

\$ _____
Unit Price (In Figures)

\$ _____
Unit Price (In Written Words)

5. 1 EA Installation of false work and grouting of pipe to manufactures recommendations with 2500 PSI grout.

\$ _____
Lump Sum Price (In Figures)

\$ _____
Lump Sum Price (In Written Words)

6. 1 EA Installation of concrete riprap apron and all items necessary for the installation to be complete in place to the lines and grades shown in the drawings. The concrete mix design shall be 3000 PSI concrete for a total quantity of 50 cy.

\$ _____
Lump Sum Price (In Figures)

\$ _____
Lump Sum Price (In Written Words)

TOTAL BASE BID (Items 1 - 6) _____
In Figures

TOTAL BASE BID (Items 1 - 6) _____
In Written Words

Add/Deduct

1. Remove and replace 850 LF of type W-Beam metal beam guard fence with terminal anchor sections complete and in place as shown in the details.

\$ _____
Lump Sum Price (In Figures)

\$ _____
Lump Sum Price (In Written Words)

THE SUBMITTER AGREES TO COMPLETE ALL BASE BID WORK WITHIN THE NUMBER OF WORKING DAYS SPECIFIED IN THE WRITTEN NOTICE TO PROCEED.

BREAKDOWN OF COSTS

In order for materials incorporated into public works Contracts to be purchased tax exempt and to comply with the Texas Tax Code, the Base Bid must be separated into materials incorporated into the Project and all other charges as listed below. The total of materials incorporated in the Project and all other charges shall equal to the Total Base Bid.

BASE BID COST BREAKDOWN

1. TOTAL MATERIALS COST INCLUDED IN THE BASE BID:

\$ _____
Total Cost (In Figures)

\$ _____
Total Cost (In Written Words)

2. TOTAL MATERIALS COST INCLUDED IN THE BASE BID:

\$ _____
Total Cost (In Figures)

\$ _____
Total Cost (In Written Words)

3. ALL OTHER COSTS INCLUDED IN THE BASE BID:

\$ _____
Total Cost (In Figures)

\$ _____
Total Cost (In Written Words)

NOTE: Only the materials consumed or incorporated into the finished Project may be exempted from the sales tax.

For purposes of complying with the Texas Tax Code, the Contractor agrees that the charges for any material incorporated into the Project in excess of the estimated quantity provided for herein will be no less than the invoice price for such material to the Contractor.

The Contractor shall obtain a Texas Certificate of Exemption from the Owner prior to the construction of the Project.

Amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.

The above prices shall include all labor, materials, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for.

The submitter understands that the Owner reserves the right to reject any or all proposals and to waive any informalities in the Bidding.

The submitter agrees that this proposal shall be good and may not be withdrawn after a period of 48-hours after the scheduled closing time for receiving proposals.

The undersigned submitter hereby declares that they agree to do the work, and that no representations made by the Owner are in any sense a warranty but are mere estimates for the guidance of the Contractor.

Upon receipt of the notice of acceptance of the proposal, the submitter will execute the formal Contract attached within fifteen (15) days and will deliver Performance and Payment Bonds, as required by the Contract. The Bid security attached, without endorsement, in the sum of no less than five percent (5%) of the amount Bid, is to become the property of the Lavaca Navidad River Authority in the event the Contract and bond are not executed within the time above set forth, as liquidated damages for the delay and additional work caused thereby.

The undersigned agrees that if awarded Contract for the work, he will guarantee the work against defects in materials and workmanship for a period of one (1) year following completion of the work and acceptance by the Owner.

Respectfully submitted,

By: _____

Title: _____

SEAL-if bid is by corporation

(Business Address and Zip Code)

***** END OF SECTION *****

SECTION 00105
PREVAILING WAGE RATES
TEXAS COUNTIES IDENTIFIED BY
WAGE RATE ZONES: 7, 8, 11, 12, 14, 16, 18, 34, 35, 37, 38, 40, 41, 54, 56, 63

County Name	Zone	County Name	Zone	County Name	Zone	County Name	Zone
Anderson	38	Donley	54	Karnes	37	Reagan	54
Andrews	54	Duval	41	Kaufman	35	Real	54
Angelina	38	Eastland	54	Kendall	16	Red River	38
Aransas	40	Ector	7	Kenedy	41	Reeves	18
Archer	35	Edwards	18	Kent	54	Refugio	37
Armstrong	7	El Paso	34	Kerr	37	Roberts	54
Atascosa	16	Ellis	35	Kimble	54	Robertson	16
Austin	56	Erath	38	King	54	Rockwall	35
Bailey	54	Falls	38	Kinney	18	Runnels	54
Bandera	16	Fannin	38	Kleberg	37	Rusk	11
Bastrop	16	Fayette	37	Knox	54	Sabine	38
Baylor	54	Fisher	54	Lamar	38	San Augustine	38
Bee	37	Floyd	54	Lamb	54	San Jacinto	56
Bell	16	Foard	54	Lampasas	16	San Patricio	40
Bexar	16	Fort Bend	56	LaSalle	41	San Saba	54
Blanco	37	Franklin	38	Lavaca	37	Schleicher	54
Borden	54	Freestone	38	Lee	37	Scurry	54
Bosque	38	Frio	37	Leon	38	Shackelford	54
Bowie	11	Gaines	54	Liberty	56	Shelby	38
Brazoria	56	Galveston	56	Limestone	38	Sherman	54
Brazos	16	Garza	54	Lipscomb	54	Smith	11
Brewster	18	Gillespie	37	Live Oak	37	Somervell	38
Briscoe	54	Glasscock	54	Llano	37	Starr	41
Brooks	41	Goliad	40	Loving	54	Stephens	54
Brown	54	Gonzales	37	Lubbock	7	Sterling	54
Burleson	16	Gray	54	Lynn	54	Stonewall	54
Burnet	37	Grayson	35	Madison	38	Sutton	18
Caldwell	16	Gregg	11	Marion	38	Swisher	54
Calhoun	40	Grimes	38	Martin	54	Tarrant	35
Callahan	35	Guadalupe	16	Mason	37	Taylor	7
Cameron	8	Hale	54	Matagorda	37	Terrell	18
Camp	38	Hall	54	Maverick	41	Terry	54
Carson	7	Hamilton	38	McCulloch	54	Throckmorton	54
Cass	38	Hansford	54	McLennan	16	Titus	38
Castro	54	Hardeman	54	McMullen	41	Tom Green	7
Chambers	56	Hardin	56	Medina	16	Travis	16
Cherokee	38	Harris	56	Menard	54	Trinity	38
Childress	54	Harrison	63	Midland	7	Tyler	38
Clay	35	Hartley	54	Milam	38	Upshur	11
Cochran	54	Haskell	54	Mills	54	Upton	54
Coke	54	Hays	16	Mitchell	54	Uvalde	41
Coleman	54	Hemphill	54	Montague	54	Val Verde	18
Collin	35	Henderson	38	Montgomery	56	Van Zandt	38
Collingsworth	54	Hidalgo	8	Moore	54	Victoria	14
Colorado	37	Hill	38	Morris	38	Walker	38
Comal	16	Hockley	54	Motley	54	Waller	56
Comanche	54	Hood	38	Nacogdoches	38	Ward	54
Concho	54	Hopkins	38	Navarro	38	Washington	38
Cooke	54	Houston	38	Newton	38	Webb	8
Coryell	16	Howard	54	Nolan	54	Wharton	37
Cottle	54	Hudspeth	18	Nueces	40	Wheeler	54
Crane	54	Hunt	35	Ochiltree	54	Wichita	12
Crockett	18	Hutchinson	54	Oldham	54	Wilbarger	54
Crosby	7	Irion	7	Orange	56	Willacy	41
Culberson	18	Jack	38	Palo Pinto	38	Williamson	16
Dallam	54	Jackson	37	Panola	38	Wilson	16
Dallas	35	Jasper	38	Parker	35	Winkler	54
Dawson	54	Jeff Davis	18	Parmer	54	Wise	35
Deaf Smith	54	Jefferson	56	Pecos	18	Wood	38
Delta	35	Jim Hogg	41	Polk	38	Yoakum	54
Denton	35	Jim Wells	37	Potter	7	Young	54
DeWitt	37	Johnson	35	Presidio	18	Zapata	41
Dickens	54	Jones	35	Rains	38	Zavala	41
Dimmit	41			Randall	7		

The wage rates listed are those predetermined by the Secretary of Labor and State Statute to be the minimum wages paid. To determine the applicable wage rate zone, a list entitled "TEXAS COUNTIES IDENTIFIED BY WAGE RATE ZONES" is provided in the contract. Any wage rate that is not listed must be submitted to the Engineer for approval. IMPORTANT NOTICE FOR STATE PROJECTS; only the controlling wage rate zone applies to the contract. Effective 1-6-2012

CLASS. #	CLASSIFICATION DESCRIPTION	ZONE TX07 1/6/12	ZONE TX08 1/6/12	ZONE TX11 1/6/12	ZONE TX12 1/6/12	ZONE TX14 1/6/12	ZONE TX16 1/6/12	ZONE TX18 1/6/12	ZONE TX34 1/6/12	ZONE TX35 1/6/12	ZONE TX37 1/6/12	ZONE TX38 1/6/12	ZONE TX40 1/6/12	ZONE TX41 1/6/12	ZONE TX54 1/6/12	ZONE TX56 1/6/12	ZONE TX63 1/6/12
1428	Agricultural Tractor Operator						\$12.69					\$12.35			\$11.75		
1300	Asphalt Distributor Operator	\$14.87	\$13.48	\$13.88			\$15.55	\$15.72	\$13.28	\$15.32	\$15.62	\$14.36	\$14.25	\$14.03	\$13.75	\$14.06	\$14.40
1303	Asphalt Paving Machine Operator	\$13.40	\$12.25	\$12.35	\$13.87		\$14.36	\$14.20	\$13.26	\$13.99	\$14.68	\$12.92	\$13.44	\$12.53	\$14.00	\$14.32	\$12.99
1106	Asphalt Raker	\$12.28	\$10.61	\$12.02	\$14.21		\$12.12	\$11.64	\$11.44	\$12.69	\$12.05	\$11.34	\$11.67	\$11.40	\$12.59	\$12.36	
1112	Batching Plant Operator, Asphalt																
1115	Batching Plant Operator, Concrete																
1214	Blaster																
1615	Boom Truck Operator						\$18.36										
1444	Boring Machine Operator																
1305	Broom or Sweeper Operator	\$11.21	\$10.33	\$10.08			\$11.04	\$11.62		\$11.74	\$11.41	\$10.30		\$10.23	\$10.60	\$12.68	\$11.05
1144	Communications Cable Installer																
1124	Concrete Finisher, Paving and Structures	\$13.55	\$12.46	\$13.16	\$12.85		\$12.56	\$12.77	\$12.44	\$14.12	\$13.04	\$13.38		\$12.80	\$12.79	\$12.98	\$13.32
1318	Concrete Pavement Finishing Machine Operator						\$15.48			\$16.05		\$19.31				\$13.07	
1315	Concrete Paving, Curing, Float, Texturing Machine Operator											\$16.34				\$11.71	
1333	Concrete Saw Operator									\$14.48	\$17.33					\$13.99	
1399	Concrete/Gunite Pump Operator																
1344	Crane Operator, Hydraulic 80 tons or less						\$18.36			\$18.12	\$18.04	\$20.21			\$18.63	\$13.86	
1345	Crane Operator, Hydraulic Over 80 Tons																
1342	Crane Operator, Lattice Boom 80 Tons or Less	\$16.82	\$14.39	\$13.85			\$15.87			\$17.27		\$14.67			\$16.42	\$14.97	
1343	Crane Operator, Lattice Boom Over 80 Tons						\$19.38			\$20.52		\$17.49			\$25.13	\$15.80	
1306	Crawler Tractor Operator	\$13.96	\$16.63	\$13.62			\$15.67			\$14.07	\$13.15	\$13.38			\$14.60	\$13.68	\$13.50
1351	Crusher or Screen Plant Operator																
1446	Directional Drilling Locator						\$11.67										
1445	Directional Drilling Operator						\$17.24										
1139	Electrician	\$20.96		\$19.87			\$26.35		\$20.27	\$19.80		\$20.92				\$27.11	
1347	Excavator Operator, 50,000 pounds or less	\$13.46	\$12.56	\$13.67			\$12.88	\$14.38	\$13.49	\$17.19		\$13.88			\$14.09	\$12.71	\$14.42
1348	Excavator Operator, Over 50,000 pounds		\$15.23	\$13.52			\$17.71			\$16.99	\$18.80	\$16.22				\$14.53	
1150	Flagger	\$9.30	\$9.10	\$8.50		\$8.81	\$9.45	\$8.70		\$10.06	\$9.71	\$9.03		\$9.08	\$9.90	\$10.33	\$8.10
1151	Form Builder/Setter, Structures	\$13.52	\$12.30	\$13.38	\$12.91	\$12.71	\$12.87	\$12.38	\$12.26	\$13.84	\$12.98	\$13.07	\$13.61	\$12.82	\$14.73	\$12.23	\$12.25
1160	Form Setter, Paving & Curb	\$12.36	\$12.16	\$13.93	\$11.83	\$10.71	\$12.94			\$13.16	\$12.54	\$11.33	\$10.69		\$13.33	\$12.34	
1360	Foundation Drill Operator, Crawler Mounted									\$17.99						\$17.43	
1363	Foundation Drill Operator, Truck Mounted		\$16.86	\$22.05			\$16.93			\$21.07	\$20.20	\$20.76		\$17.54	\$21.39	\$15.89	
1369	Front End Loader Operator, 3 CY or Less	\$12.28	\$13.49	\$13.40			\$13.04	\$13.15	\$13.29	\$13.69	\$12.64	\$12.89			\$13.51	\$13.32	\$12.17
1372	Front End Loader Operator, Over 3 CY	\$12.77	\$13.69	\$12.33			\$13.21	\$12.86	\$13.57	\$14.72	\$13.75	\$12.32			\$13.19	\$13.17	
1329	Joint Sealer																
1172	Laborer, Common	\$10.30	\$9.86	\$10.08	\$10.51	\$10.71	\$10.50	\$10.24	\$10.58	\$10.72	\$10.45	\$10.30	\$10.25	\$10.03	\$10.54	\$11.02	\$10.15
1175	Laborer, Utility	\$11.80	\$11.53	\$12.70	\$12.17	\$11.81	\$12.27	\$12.11	\$11.33	\$12.32	\$11.80	\$11.53	\$11.23	\$11.50	\$11.95	\$11.73	\$12.37
1346	Loader/Backhoe Operator	\$14.18	\$12.77	\$12.97	\$15.68		\$14.12			\$15.18	\$13.58	\$12.87		\$13.21	\$14.13	\$14.29	

CLASS. #	CLASSIFICATION DESCRIPTION	ZONE TX07 1/6/12	ZONE TX08 1/6/12	ZONE TX11 1/6/12	ZONE TX12 1/6/12	ZONE TX14 1/6/12	ZONE TX16 1/6/12	ZONE TX18 1/6/12	ZONE TX34 1/6/12	ZONE TX35 1/6/12	ZONE TX37 1/6/12	ZONE TX38 1/6/12	ZONE TX40 1/6/12	ZONE TX41 1/6/12	ZONE TX54 1/6/12	ZONE TX56 1/6/12	ZONE TX63 1/6/12
1187	Mechanic	\$20.14	\$15.47	\$17.47			\$17.10			\$17.68	\$18.94	\$18.58		\$16.61	\$18.46	\$16.96	
1380	Milling Machine Operator	\$15.54	\$14.64	\$12.22			\$14.18			\$14.32	\$14.35	\$12.86			\$14.75	\$13.53	
1390	Motor Grader Operator, Fine Grade	\$17.49	\$16.52	\$16.88			\$18.51	\$16.69	\$16.13	\$17.19	\$18.35	\$17.07	\$17.74	\$17.47	\$17.08	\$15.69	\$20.01
1393	Motor Grader Operator, Rough	\$16.15	\$14.62	\$15.83		\$17.07	\$14.63	\$18.50		\$16.02	\$16.44	\$15.12		\$14.47	\$17.39	\$14.23	\$15.53
1413	Off Road Hauler			\$10.08			\$11.88			\$12.25		\$12.23			\$13.00	\$14.60	
1196	Painter, Structures						\$18.34						\$21.29			\$18.62	
1396	Pavement Marking Machine Operator	\$16.42		\$13.10			\$19.17	\$12.01		\$13.63	\$14.60	\$13.17		\$16.65	\$10.54	\$11.18	
1443	Percussion or Rotary Drill Operator																
1202	Piledriver																\$14.95
1205	Pipelayer		\$11.87	\$14.64			\$12.79		\$11.37	\$13.24	\$12.66	\$13.24	\$11.17	\$11.67			\$12.12
1384	Reclaimer/Pulverizer Operator	\$12.85					\$12.88			\$11.01		\$10.46					
1500	Reinforcing Steel Worker	\$13.50	\$14.07	\$17.53			\$14.00			\$16.18	\$12.74	\$15.83		\$17.10		\$15.15	
1402	Roller Operator, Asphalt	\$10.95		\$11.96			\$12.78	\$11.61		\$13.08	\$12.36	\$11.68			\$11.71	\$11.95	\$11.50
1405	Roller Operator, Other	\$10.36		\$10.44			\$10.50	\$11.64		\$11.51	\$10.59	\$10.30		\$12.04	\$12.85	\$11.57	
1411	Scraper Operator	\$10.61	\$11.07	\$10.85			\$12.27		\$11.12	\$12.96	\$11.88	\$12.43		\$11.22	\$13.95	\$13.47	
1417	Self-Propelled Hammer Operator																
1194	Servicer	\$13.98	\$12.34	\$14.11			\$14.51	\$15.56	\$13.44	\$14.58	\$14.31	\$13.83		\$12.43	\$13.72	\$13.97	
1513	Sign Erector																
1708	Slurry Seal or Micro-Surfacing Machine Operator																
1341	Small Slipform Machine Operator									\$15.96							
1515	Spreader Box Operator	\$12.60		\$13.12			\$14.04			\$14.73	\$13.84	\$13.68		\$13.45	\$11.83	\$13.58	
1705	Structural Steel Welder																\$12.85
1509	Structural Steel Worker						\$19.29									\$14.39	
1339	Subgrade Trimmer																
1143	Telecommunication Technician																
1145	Traffic Signal/Light Pole Worker						\$16.00										
1440	Trenching Machine Operator, Heavy						\$18.48										
1437	Trenching Machine Operator, Light																
1609	Truck Driver Lowboy-Float	\$14.46	\$13.63	\$13.41	\$15.00	\$15.93	\$15.66			\$16.24	\$16.39	\$14.30	\$16.62	\$15.63	\$14.28	\$16.03	
1612	Truck Driver Transit-Mix									\$14.14							
1600	Truck Driver, Single Axle	\$12.74	\$10.82	\$10.75			\$11.79	\$13.53	\$13.16	\$12.31	\$13.40	\$10.30	\$11.61		\$11.97	\$11.46	
1606	Truck Driver, Single or Tandem Axle Dump Truck	\$11.33	\$14.53	\$11.95			\$11.68		\$14.06	\$12.62	\$11.45	\$12.28		\$13.08	\$11.68	\$11.48	\$11.10
1607	Truck Driver, Tandem Axle Tractor with Semi Trailer	\$12.49	\$12.12	\$12.50			\$12.81	\$13.16		\$12.86	\$16.22	\$12.50			\$13.80	\$12.27	
1441	Tunneling Machine Operator, Heavy																
1442	Tunneling Machine Operator, Light																
1706	Welder		\$14.02				\$15.97		\$13.74	\$14.84					\$13.78		
1520	Work Zone Barricade Servicer	\$10.30	\$12.88	\$11.46	\$11.70		\$11.85	\$10.77		\$11.68	\$12.20	\$11.22	\$11.51	\$12.96	\$10.54	\$11.67	

Notes:

Any worker employed on this project shall be paid at the rate of one and one half (1-1/2) times the regular rate for every hour worked in excess of forty (40) hours per week.

The titles and descriptions for the classifications listed here are further detailed in the AGC of Texas' *Standard Job Classifications and Descriptions for Highway, Heavy, Utilities, and Industrial Construction in Texas*. AGC will make it available on its Web site for any contractor.

**SECTION 00106
QUESTIONNAIRE**

REQUEST FOR COMPETITIVE SEALED PROPOSAL

Please provide the following information in the sequence and format prescribed by this questionnaire. Supplemental materials providing additional information may be attached, but the information requested below is to be provided in this format.

1. Company/Firm Information:

Name of Firm: _____
Address of principal's office: _____
Phone, Fax: _____
Form of Business Organization (Corporation, Partnership, Individual, Joint Venture, other?): _____
Year Founded: _____
Primary Individual or Contact: _____

2. Experience:

2.1 List the categories of work that your organization normally performs with its own forces.

2.2 List any subcontractors in which your organization has some ownership and list the categories of work those subcontractors normally perform.

2.3 Current Work:

List the major construction projects your organization has in progress, giving the name and location of project, the nature of your selection for the project and the service you are providing (general contractor with bid selection, construction manager with qualification selection and GMP, etc.), owner, Engineer/Architect, contract amount, percent complete and scheduled completion date.

2.4 Work over the last five (5) years:
List any major projects constructed by your organization over the past five (5) years that are in similar in nature to **ALSP Pipe Arch installation, installation and removal of a sheet pile bulkhead, installation of concrete culvert work.**

3. Personnel

Given the scope and schedule of the project, identify the specific Project Manager and Project Superintendent who would be assigned full-time and on site, to this project.

4. Consultants/Sub-Consultants:

Name any consultants or sub-consultants which are included as part of the proposed team. Describe each consultant's proposed role in the project and its related experience.

5. References

For any projects listed in paragraph 2.4 of this questionnaire, identify a representative of the Owner and the Architect/Engineer (provide name and phone numbers) whom we could contact as references regarding the Offeror's services. Ideally some of the references should be for culvert structure work, installation and removal of a sheet pile bulkhead, installation of concrete culvert work of comparable scope and/or competitive sealed proposal contracts.

SECTION 00107

STATEMENT OF SUBMITTER'S QUALIFICATIONS

PART 1 - GENERAL

1.1 PURPOSE: To assist the Owner in determining the ability of each submitter to properly fulfill the requirements of this proposed contract, the submitter shall complete the following items. All questions must be answered and the data given must be clear and comprehensive. If necessary, questions may be answered on separate attached sheets. The Bidder may submit any additional information he desires. This statement must be notarized.

Name of submitter: _____ Date Organized: _____

Address: _____

Date Incorporated: _____

Number of Years in contracting business under present name: _____

Type of work performed by your company: _____

Have you ever failed to complete any work awarded to you? _____

Have you ever defaulted on a Contract? _____

Credit available: \$ _____ Bank reference: _____

1.2 EXPERIENCE: The submitter shall give below a list of five (5) similar projects which he has completed within the last five (5) years.

A. Owner: _____

Address: _____

Project: _____

Date Completed: _____ Total Cost: _____

B. Owner: _____

Address: _____

Project: _____

Date Completed: _____ Total Cost: _____

C. Owner: _____
Address: _____
Project: _____
Date Completed: _____ Total Cost: _____

D. Owner: _____
Address: _____
Project: _____
Date Completed: _____ Total Cost: _____

E. Owner: _____
Address: _____
Project: _____
Date Completed: _____ Total Cost: _____

1.3 CONTRACTS ON HAND: The submitter shall provide below a list of any contracts he currently has on hand:

1.4 EQUIPMENT AVAILABLE FOR THIS CONTRACT: The submitter shall provide below a list of equipment available for use on this Contract:

1.5 SUBCONTRACTORS: The submitter shall provide below a tentative list of Subcontractors proposed to work on the Contract, and the portion of work to be performed by each.

The undersigned hereby authorizes and requests any person, firm, or corporation to furnish any information requested by the Owner in verification of the recitals comprising this Statement of Submitter's Qualifications.

Executed this _____ day of _____, 20 ____.

By _____

Title _____

Subscribed and sworn to me this _____ day of _____, 20 ____.

By: _____

Notary Public in and for _____ County, Texas

My commission expires _____

***** END OF SECTION *****

SECTION 00108

NON-COLLUSION AFFIDAVIT

State of _____ §

County of _____ §

_____, being duly sworn, deposes and says that:

(1) He (she) is _____ of _____, the submitter submitting the attached Proposal;

(2) He (she) is fully informed respecting the preparation and contents of the attached proposal and any and all appurtenances thereof;

(3) Such proposal is genuine and is not collusive;

(4) Neither the said submitter nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this Affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with another submitter, firm or person to submit a collusive proposal in connection with the Contract for which the attached proposal has been submitted or to refrain from proposal submission in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other submitter, firm or person to fix the price or prices in the attached proposal or of any other submitter, or to fix an overhead, profit or cost element of the proposal price or the proposal price of any other submitter, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the Owner or any other person interested in the proposed Contract; and

(5) The price or prices quoted in the attached proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the submitter or any of its agents, representatives, owners, employees, or parties in interest, including this Affiant.

(Title)

Subscribed and sworn to me this ____ day of _____, 20____.

By: _____

Notary Public in and for _____

County, Texas

My commission expires _____

***** END OF SECTION *****

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

2 Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

Yes No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

Yes No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7

Signature of vendor doing business with the governmental entity

Date

SECTION 00109

CONFLICT OF INTEREST QUESTIONNAIRE **For vendor doing business with local governmental entity**

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

- (i) a contract between the local governmental entity and vendor has been executed;
- or
- (ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

- (1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);
- (2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or
- (3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

- (A) begins discussions or negotiations to enter into a contract with the local governmental entity; or
- (B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

- (A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);
- (B) that the vendor has given one or more gifts described by Subsection (a); or
- (C) of a family relationship with a local government officer.

SECTION 00110

BID BOND

KNOW ALL MEN BY THESE PRESENTS: That we the undersigned, _____

As PRINCIPAL, and _____ as

SURETY, are held and firmly bound unto **OWNER NAME**, hereinafter called Owner in the

penal sum of _____ Dollars (\$_____),

lawful money of the United States, for the payment of which sum well and truly to be

made, we bind ourselves, our heirs, executors, administrators, successors, and assigns,

jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that Whereas the Principal has submitted the Accompanying Proposal, dated the ___th day of _____,

20__, which is hereto attached and made a part hereof for:

COMPETITIVE SEALED PROPOSAL

TEXANA BRIDGE CLASS CULVERT REHABILITATION/RELINING

LAVACA NAVIDAD RIVER AUTHORITY

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same, or, if no period be specified, within sixty (60) days after the said opening, and shall within the period specified therefore, or if no period be specified, within ten (10) days after the prescribed forms are presented to him for signature, enter into written Contract with the Owner in accordance with the Bid as accepted, and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract, or in the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the Owner the difference between the amount specified in said Bid and the amount for which the Owner may procure the required work or supplies or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above bound Parties have executed this instrument under their several seals this __th day of _____, 20__. The name and corporate seal of each corporate party hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

ATTEST:

(Principal) Secretary

Principal

(SEAL)

Business Address

Witness as to Principal

Business Address

ATTEST:

(Surety) Secretary

Surety

(SEAL)

By: _____
Attorney-in-Fact

Address

Witness as to Surety

Address

Attorney-in-Fact, State_____.

(Power-of-attorney for person signing for Surety Company must be attached to bond.)

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the _____ Secretary of the Corporation named as Principal in the attached bond; that _____, who signed the said bond on behalf of the Principal was then the _____ of said Corporation; that I know his signature and his signature thereto is genuine; and that said bond was duly signed, sealed and attested for and in behalf of said corporation by authority of the governing body.

(Signed)

Title: _____

Date: _____

(Affix Corporate Seal)

***** END OF SECTION *****

SECTION 00111
FORM OF AGREEMENT

State of Texas §

County of Jackson §

This agreement made and entered into this _____ day of _____, 2020, by and between _____, a limited liability company organized and existing under the laws of the State of TX, hereinafter called "Contractor" and the Lavaca-Navidad River Authority, Texas, hereinafter called "Owner".

WITNESSETH, that the Contractor and the Owner for the considerations stated herein mutually agree as follows:

ARTICLE I - STATEMENT OF WORK

The Contractor shall furnish all supervision, technical personnel, labor, materials, machinery, tools, equipment and services, including utility and transportation services, and perform and complete all work required for the Project, Texana Bridge Class Culvert Rehabilitation Project, all in strict accordance with the Contract Documents, including all Addenda thereto, as prepared and provided by Contech Engineering Solutions or Lane Enterprises, Inc., acting and in these Contract Documents, referred to as "Material Provider". Generally, the Contractor's work will include installation of sheet pile and dewatering of the area around both sides of the existing bridge class pipe culvert, preparation of dewatered site for erection of ALSP pipe arch panels, grouting, and placement of concrete riprap apron.

ARTICLE II - THE CONTRACT PRICE

The Owner will pay the Contractor for the performance of the Contract in current funds, for the total quantities of work performed at the prices stipulated on his Proposal form (Section 00105 of the Contract Documents) for the several respective items of work in the amount of _____ and ____ cents (\$_____)

completed subject to additions, deletions, and/or revisions as provided in the General Conditions of Agreement included in these Contract Documents.

ARTICLE III - CONTRACT

The Executed Contract Documents shall consist of the following:

- | | |
|--|-------------------------------|
| 1. This Agreement | 2. Signed Copy of Proposal |
| 3. Advertisement for Proposals | 4. Instructions to Submitters |
| 5. Standard General Conditions
Conditions | 6. Supplemental General |
| 7. Special Conditions | 8. Technical Specifications |
| 9. Drawings | 10. Addenda |

THIS AGREEMENT, together with the other documents enumerated in ARTICLE III, which said other documents are fully a part of the Contract as if hereto attached or herein repeated, forms the Contract. In case of conflicts with any provision of any other component part, the provision of the component part first enumerated in this ARTICLE III shall govern, except as otherwise specifically stated.

RETAINAGE in the amount of ten percent (10%) shall be withheld on all Partial Payments until Completion and Final Acceptance of the work by the Owner.

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed in two (2) original copies on the day and year first above written.

OWNER
Lavaca Navidad River Authority

CONTRACTOR

By: _____
Patrick Brzozowski

By: _____

Title: General Manager _____

Title: _____

ATTEST

By: _____

By: _____

Title: _____

Title: _____

CONTRACTOR'S CERTIFICATION

I, _____, certify that I am the _____ of the corporation named as Contractor herein; that _____, who signed this Agreement on behalf of the Contractor was then _____ of said corporation, that said Agreement was duly signed for and on behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

CONTRACTOR: _____

By: _____

(Seal)

Business Address: _____

***** END OF SECTION *****

SECTION 00112

PERFORMANCE BOND

State of Texas §

County of _____ §

KNOW ALL MEN BY THESE PRESENTS: That _____, hereinafter called "Surety", of the City of _____, County of _____, and State of _____, as authorized under the laws of the State of Texas to act as surety on bonds for principals, are held and firmly bound unto LAVACA NAVIDAD RIVER AUTHORITY, hereinafter referred to as "Owner", in the penal sum of _____ Dollars (\$_____) for the payment whereof, _____, hereinafter called "Principal", and surety bind themselves, and their heirs, administrators, executors, successors, and assigns, jointly and severally, by these presents:

WHEREAS, the Principal has entered into a certain written Contract, hereinafter called "Contract", with the Owner, dated the _____ day of _____, 2020, to which Contract is hereby referred to and made a part hereof as if included herein in its entirety.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall faithfully perform said Contract and shall in all respects duly and faithfully observe and perform all and singular the covenants, conditions, and agreements in and by said Contract agreed and convened by the Principal, to be observed and performed, and according to the true intent and meaning of said Contract and the Contract Documents, Specifications, and Drawings hereto annexed, then this obligation shall be void; otherwise to remain in full force and effect;

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Article 5160 of the Revised Civil Statutes of Texas, as amended, and all liabilities on this bond shall be determined in accordance with the provisions of said Article to the same extent as if included herein in its entirety.

SURETY, for value received, stipulates and agrees that no change, extension of time, alteration or addition to the terms of this Contract, or to the work performed thereunder, or the Contract documents, Specifications, and Drawings accompanying the same, shall in anyway affect its obligation on this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract, or the work performed thereunder.

IN WITNESS WHEREOF, the said Principal and Surety have caused this instrument to be executed in five (5) original copies, this _____ day of _____, 2020.

PRINCIPAL (CONTRACTOR)

SURETY

By: _____

By: _____

Title: _____

Title: _____

ATTEST

By: _____

By: _____

Title: _____

Title: _____

The name and address of the Resident Agent of Surety is:

***** END OF SECTION *****

SECTION 00113

PAYMENT BOND

State of Texas §

County of _____ §

KNOW ALL MEN BY THESE PRESENTS: That _____
 _____, hereinafter called "Surety," of the City of _____,
 County of _____, and State of _____,
 as authorized under the laws of the State of Texas to act as Surety on bonds for Principals,
 are held and firmly bound unto LAVACA NAVIDAD RIVER AUTHORITY, hereinafter
 referred to as "Owner", in the penal sum of \$ _____
 (\$ _____) for the payment whereof, _____
 _____ hereinafter called "Principal," and surety bind
 themselves, and their heirs, administrators, executors, successors, and assigns, jointly and
 severally, by these presents:

WHEREAS, THE PRINCIPAL has entered into a certain written Contract, hereinafter
 called "Contract", with the Owner, dated the _____ day of _____, 2020,
 to which Contract is hereby referred to and made a part hereof as if included herein in its
 entirety.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the
 said Principal shall pay all Claimants supplying labor and material to him or a Subcontractor
 in the prosecution of the work provided for in said Contract, then, this obligation shall be
 void; otherwise to remain in full force and effect;

PROVIDED, HOWEVER, that this Bond is executed pursuant to the provisions of
 Article 5160 of the Revised Civil Statutes of Texas, as amended, and all liabilities on this
 bond shall be determined in accordance with the provisions of said Article to the same extent
 as if included herein in its entirety.

SURETY, for value received, stipulates and agrees that no change, extension of time, alteration or addition to the terms of this Contract, or to the work performed thereunder, or the Contract Documents, Specifications, and Plans accompanying the same, shall in anyway affect its obligation on this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract, or the work performed thereunder.

IN WITNESS WHEREOF, the said Principal and surety have caused this instrument to be executed in five (5) original copies, this _____ day of _____, 2020.

_____ PRINCIPAL (CONTRACTOR)	_____ SURETY
_____	_____

By: _____	By: _____
-----------	-----------

Title: _____	Title: _____
--------------	--------------

By: _____	By: _____
-----------	-----------

Title: _____	Title: _____
--------------	--------------

The name and address of the Resident Agent of surety is:

***** END OF SECTION *****

SECTION 00114

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 Law.

STANDARD
GENERAL CONDITIONS
OF THE
CONSTRUCTION CONTRACT

Prepared by

ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

and

Issued and Published Jointly By



**AMERICAN CONSULTING
ENGINEERS COUNCIL**



**National Society of
Professional Engineers**
Professional Engineers in Private Practice



**AMERICAN SOCIETY OF
CIVIL ENGINEERS**

PROFESSIONAL ENGINEERS IN PRIVATE PRACTICE
a practice division of the
NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

AMERICAN CONSULTING ENGINEERS COUNCIL

AMERICAN SOCIETY OF CIVIL ENGINEERS

This document has been approved and endorsed by

The Associated General



Contractors of America

Construction Specifications Institute



These General Conditions have been prepared for use with the Owner-Contractor Agreements (No. 1910-8-A-1 or 1910-8-A-2) (1996 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 EJCDC User's Guide (No. 1910-50). For guidance in the preparation of Supplementary Conditions, see Guide to the Preparation of Supplementary Conditions (No. 1910-17) (1996 Edition).

EJCDC No. 1910-8 (1996 Edition)

Copyright ©1996

National Society of Professional Engineers
1420 King Street, Alexandria, VA 22314

American Consulting Engineers Council
1015 15th Street N.W., Washington, DC 20005

American Society of Civil Engineers
345 East 47th Street, New York, NY 10017

TABLE OF CONTENTS

	Page
ARTICLE 1 - DEFINITIONS AND TERMINOLOGY	00700 - 6
1.01 <i>Defined Terms</i>	00700 - 6
1.02 <i>Terminology</i>	00700 - 8
ARTICLE 2 - PRELIMINARY MATTERS	00700 - 9
2.01 <i>Delivery of Bonds</i>	00700 - 9
2.02 <i>Copies of Documents</i>	00700 - 9
2.03 <i>Commencement of Contract Times; Notice to Proceed</i>	00700 - 9
2.04 <i>Starting the Work</i>	00700 - 9
2.05 <i>Before Starting Construction</i>	00700 - 9
2.06 <i>Preconstruction Conference</i>	00700 - 10
2.07 <i>Initial Acceptance of Schedules</i>	00700 - 10
ARTICLE 3 - CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE	00700 - 10
3.01 <i>Intent</i>	00700 - 10
3.02 <i>Reference Standards</i>	00700 - 10
3.03 <i>Reporting and Resolving Discrepancies</i>	00700 - 11
3.04 <i>Amending and Supplementing Contract Documents</i>	00700 - 11
3.05 <i>Reuse of Documents</i>	00700 - 11
ARTICLE 4 - AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; REFERENCE POINTS	00700 - 11
4.01 <i>Availability of Lands</i>	00700 - 11
4.02 <i>Subsurface and Physical Conditions</i>	00700 - 13
4.03 <i>Differing Subsurface or Physical Conditions</i>	00700 - 13
4.04 <i>Underground Facilities</i>	00700 - 14
4.05 <i>Reference Points</i>	00700 - 14
4.06 <i>Hazardous Environmental Condition at Site</i>	00700 - 14
ARTICLE 5 - BONDS AND INSURANCE	00700 - 16
5.01 <i>Performance, Payment, and Other Bonds</i>	00700 - 16
5.02 <i>Licensed Sureties and Insurers</i>	00700 - 16
5.03 <i>Certificates of Insurance</i>	00700 - 16
5.04 <i>CONTRACTOR'S Liability Insurance</i>	00700 - 16
5.05 <i>OWNER'S Liability Insurance</i>	00700 - 17
5.06 <i>Property Insurance</i>	00700 - 17
5.07 <i>Waiver of Rights</i>	00700 - 18
5.08 <i>Receipt and Application of Insurance Proceeds</i>	00700 - 18
5.09 <i>Acceptance of Bonds and Insurance; Option to Replace</i>	00700 - 19
5.10 <i>Partial Utilization, Acknowledgment of Property Insurer</i>	00700 - 19
ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES.....	00700 - 19
6.01 <i>Supervision and Superintendence</i>	00700 - 19
6.02 <i>Labor; Working Hours</i>	00700 - 19
6.03 <i>Services, Materials, and Equipment</i>	00700 - 19
6.04 <i>Progress Schedule</i>	00700 - 20
6.05 <i>Substitutes and Or-Equals</i>	00700 - 20
6.06 <i>Concerning Subcontractors, Suppliers, and Others</i>	00700 - 21
6.07 <i>Patent Fees and Royalties</i>	00700 - 22
6.08 <i>Permits</i>	00700 - 22
6.09 <i>Laws and Regulations</i>	00700 - 22
6.10 <i>Taxes</i>	00700 - 23
6.11 <i>Use of Site and Other Areas</i>	00700 - 23
6.12 <i>Record Documents</i>	00700 - 23
6.13 <i>Safety and Protection</i>	00700 - 23
6.14 <i>Safety Representative</i>	00700 - 24
6.15 <i>Hazard Communication Programs</i>	00700 - 24
6.16 <i>Emergencies</i>	00700 - 24
6.17 <i>Shop Drawings and Samples</i>	00700 - 24

6.18	<i>Continuing the Work</i>	00700 - 25
6.19	<i>CONTRACTOR's General Warranty and Guarantee</i>	00700 - 25
6.20	<i>Indemnification</i>	00700 - 26
ARTICLE 7 - OTHER WORK.....		00700 - 26
7.01	<i>Related Work at Site</i>	00700 - 26
7.02	<i>Coordination</i>	00700 - 27
ARTICLE 8 - OWNER'S RESPONSIBILITIES		00700 - 27
8.01	<i>Communications to Contractor</i>	00700 - 27
8.02	<i>Replacement of ENGINEER</i>	00700 - 27
8.03	<i>Furnish Data</i>	00700 - 27
8.04	<i>Pay Promptly When Due</i>	00700 - 27
8.05	<i>Lands and Easements; Reports and Tests</i>	00700 - 27
8.06	<i>Insurance</i>	00700 - 27
8.07	<i>Change Orders</i>	00700 - 27
8.08	<i>Inspections, Tests, and Approvals</i>	00700 - 27
8.09	<i>Limitations on OWNER's Responsibilities</i>	00700 - 27
8.10	<i>Undisclosed Hazardous Environmental Condition</i>	00700 - 27
8.11	<i>Evidence of Financial Arrangements</i>	00700 - 27
ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION		00700 - 28
9.01	<i>OWNER'S Representative</i>	00700 - 28
9.02	<i>Visits to Site</i>	00700 - 28
9.03	<i>Project Representative</i>	00700 - 28
9.04	<i>Clarifications and Interpretations</i>	00700 - 28
9.05	<i>Authorized Variations in Work</i>	00700 - 28
9.06	<i>Rejecting Defective Work</i>	00700 - 28
9.07	<i>Shop Drawings, Change Orders and Payments</i>	00700 - 28
9.08	<i>Determinations for Unit Price Work</i>	00700 - 29
9.09	<i>Decisions on Requirements of Contract Documents and Acceptability of Work</i>	00700 - 29
9.10	<i>Limitations on ENGINEER's Authority and Responsibilities</i>	00700 - 29
ARTICLE 10 - CHANGES IN THE WORK; CLAIMS		00700 - 29
10.01	<i>Authorized Changes in the Work</i>	00700 - 29
10.02	<i>Unauthorized Changes in the Work</i>	00700 - 29
10.03	<i>Execution of Change Orders</i>	00700 - 30
10.04	<i>Notification to Surety</i>	00700 - 30
10.05	<i>Claims and Disputes</i>	00700 - 30
ARTICLE 11 - COST OF THE WORK; CASH ALLOWANCES; UNIT PRICE WORK		00700 - 30
11.01	<i>Cost of the Work</i>	00700 - 31
11.02	<i>Cash Allowances</i>	00700 - 32
11.03	<i>Unit Price Work</i>	00700 - 33
ARTICLE 12 - CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES		00700 - 33
12.01	<i>Change of Contract Price</i>	00700 - 33
12.02	<i>Change of Contract Times</i>	00700 - 34
12.03	<i>Delays Beyond CONTRACTOR's Control</i>	00700 - 34
12.04	<i>Delays Within CONTRACTOR's Control</i>	00700 - 34
12.05	<i>Delays Beyond OWNER's and CONTRACTOR's Control</i>	00700 - 34
12.06	<i>Delay Damages</i>	00700 - 34
ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK		00700 - 34
13.01	<i>Notice of Defects</i>	00700 - 34
13.02	<i>Access to Work</i>	00700 - 34
13.03	<i>Tests and Inspections</i>	00700 - 34
13.04	<i>Uncovering Work</i>	00700 - 35
13.05	<i>OWNER May Stop the Work</i>	00700 - 35
13.06	<i>Correction or Removal of Defective Work</i>	00700 - 35
13.07	<i>Correction Period</i>	00700 - 35
13.08	<i>Acceptance of Defective Work</i>	00700 - 36
13.09	<i>OWNER May Correct Defective Work</i>	00700 - 36
ARTICLE 14 - PAYMENTS TO CONTRACTOR AND COMPLETION		00700 - 37
14.01	<i>Schedule of Values</i>	00700 - 37

14.02	<i>Progress Payments</i> .....	.00700 - 37
14.03	<i>CONTRACTOR's Warranty of Title</i> .....	.00700 - 38
14.04	<i>Substantial Completion</i>.....	.00700 - 38
14.05	<i>Partial Utilization</i> .....	.00700 - 39
14.06	<i>Final Inspection</i>.....	.00700 - 39
14.07	<i>Final Payment</i>.....	.00700 - 39
14.08	<i>Final Completion Delayed</i>.....	.00700 - 40
14.09	<i>Waiver of Claims</i> .....	.00700 - 40
ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION.....		.00700 - 40
15.01	<i>OWNER May Suspend Work</i>.....	.00700 - 40
15.02	<i>OWNER May Terminate for Cause</i> .....	.00700 - 40
15.03	<i>OWNER May Terminate For Convenience</i>.....	.00700 - 41
15.04	<i>CONTRACTOR May Stop Work or Terminate</i> .....	.00700 - 41
ARTICLE 16 - DISPUTE RESOLUTION .....		.00700 - 42
16.01	<i>Methods and Procedures</i> .....	.00700 - 42
ARTICLE 17 - MISCELLANEOUS .....		.00700 - 42
17.01	<i>Giving Notice</i> .....	.00700 - 42
17.02	<i>Computation of Times</i>.....	.00700 - 42
17.03	<i>Cumulative Remedies</i>.....	.00700 - 42
17.04	<i>Survival of Obligations</i> .....	.00700 - 42
17.05	<i>Controlling Law</i>.....	.00700 - 42

GENERAL CONDITIONS

ARTICLE 1 - DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

A. Wherever used in the Contract Documents and printed with initial or all capital letters, the terms listed below will have the meanings indicated which are applicable to both the singular and plural thereof.

1. *Addenda*--Written or graphic instruments issued prior to the opening of Bids, which clarify, correct, or change the Bidding Requirements or the 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 (OSHA).

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. *Bidding Documents*--The Bidding Requirements and the proposed Contract Documents (including all Addenda issued prior to receipt of Bids).

7. *Bidding Requirements*--The Advertisement or Invitation to Bid, Instructions to Bidders, Bid security form, if any, and the Bid form with any supplements.

8. *Bonds*--Performance and payment bonds and other instruments of security.

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*--The Contract Documents establish the rights and obligations of the parties and include the Agreement, Addenda (which pertain to the Contract Documents), CONTRACTOR's Bid (including documentation accompanying the Bid and any post Bid documentation submitted prior to the Notice of Award) when attached as an exhibit to the Agreement, the Notice to Proceed, the Bonds, these General Conditions, the Supplementary Conditions, the Specifications and the Drawings as the same are more specifically identified in the Agreement, together with all Written Amendments, Change Orders, Work Change Directives, Field Orders, and ENGINEER's written interpretations and clarifications issued on or after the Effective Date of the Agreement. Approved Shop Drawings and the reports and drawings of subsurface and physical conditions are not Contract Documents. Only printed or hard copies of the items listed in this paragraph are Contract Documents. Files in electronic media format of text, data, graphics, and the like that may be furnished by OWNER to CONTRACTOR 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 Substantial Completion; and (ii) 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.A 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. *ENGINEER's Consultant*--An individual or entity having a contract with ENGINEER to furnish services as ENGINEER's independent professional associate or consultant with respect to the Project and who is identified as such in the Supplementary Conditions.

21. *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.

22. *General Requirements*--Sections of Division 1 of the Specifications. The General Requirements pertain to all sections of the Specifications.

23. *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 in connection with the Work.

24. *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.

25. *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.

26. *Liens*--Charges, security interests, or encumbrances upon Project funds, real property, or personal property.

27. *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.

28. *Notice of Award*--The written notice by OWNER to the apparent successful bidder stating that upon timely compliance by the apparent successful bidder with the conditions precedent listed therein, OWNER will sign and deliver the Agreement.

29. *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.

30. *OWNER*--The individual, entity, public body, or authority with whom CONTRACTOR has entered into the Agreement and for whom the Work is to be performed.

31. *Partial Utilization*--Use by OWNER of a substantially completed part of the Work for the purpose for which it is intended (or a related purpose) prior to Substantial Completion of all the Work.

32. *PCBs*--Polychlorinated biphenyls.

33. *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.

34. *Project*--The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part as may be indicated elsewhere in the Contract Documents.

35. *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.

36. *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.

37. *Resident Project Representative*--The authorized representative of ENGINEER who may be assigned to the Site or any part thereof.

38. *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.

39. *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.

40. *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.

41. *Specifications*--That part of the Contract Documents consisting of written technical descriptions of materials, equipment, systems, standards, and workmanship as applied to the Work and certain administrative details applicable thereto.

42. *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.

43. *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.

44. *Supplementary Conditions*--That part of the Contract Documents, which amends or supplements these General Conditions.

45. *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 any Subcontractor.

46. *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.

47. *Unit Price Work*--Work to be paid for on the basis of unit prices.

48. *Work*--The entire completed 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.

49. *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.

50. *Written Amendment*--A written statement modifying the Contract Documents, signed by OWNER and CONTRACTOR on or after the Effective Date of the Agreement and normally dealing with the nonengineering or nontechnical rather than strictly construction-related aspects of the Contract Documents.

1.02 Terminology

A. Intent of Certain Terms or Adjectives

1. Whenever in the Contract Documents the terms "as allowed," "as approved," or terms of like effect or import are used, or 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 action or determination will be solely to evaluate, in general, the completed Work for compliance with the requirements of and information in the Contract Documents and conformance with the design concept of the completed 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 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 9.10 or any other provision of the Contract Documents.

B. *Day*

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

C. *Defective*

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

D. *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.

E. Unless stated otherwise in the Contract Documents, words, or phrases, which 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*

A. When CONTRACTOR delivers the executed Agreements to OWNER, CONTRACTOR shall also deliver to OWNER such Bonds as CONTRACTOR may be required to furnish.

2.02 *Copies of Documents*

A. OWNER shall furnish to CONTRACTOR up to ten copies of the Contract Documents. 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. *CONTRACTOR’s Review of Contract Documents:* 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 may discover and shall obtain a written interpretation or clarification from ENGINEER before proceeding with any Work affected thereby; however, 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 knew or reasonably should have known thereof.

B. *Preliminary Schedules:* Within ten days after the Effective Date of the Agreement (unless otherwise specified in the General Requirements), CONTRACTOR shall submit to ENGINEER for its 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 Shop Drawing and Sample submittals which will list each required submittal and the times for submitting, reviewing, and processing such submittal; 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.

C. *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.

2.06 *Preconstruction Conference*

A. Within 20 days after the Contract Times start to run, but before any Work at the Site is started, a conference attended by 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.B, procedures for handling Shop Drawings and other submittals, processing Applications for Payment, and maintaining required records.

2.07 *Initial Acceptance of Schedules*

A. Unless otherwise provided in the Contract Documents, at least ten 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.B. CONTRACTOR shall have an additional ten 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 any specified Milestones and 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 Shop Drawing and Sample 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 called for by one is as binding as if called for 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 may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended 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, nor shall any such provision or instruction be effective to assign to OWNER, ENGINEER, or any of ENGINEER's Consultants, agents, or employees 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. 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 any provision of any Law or Regulation applicable to the performance of the Work or of any standard, specification, manual or code, or of any instruction of any Supplier, CONTRACTOR shall report it to ENGINEER in writing at once. 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; provided, however, that CONTRACTOR shall not be liable to OWNER or ENGINEER for failure to report any such conflict, error, ambiguity, or discrepancy unless CONTRACTOR knew or reasonably should have known 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, 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).

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 in one or more of the following ways: (i) a Written Amendment; (ii) a Change Order; or (iii) 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: (i) a Field Order; (ii) ENGINEER's approval of a Shop Drawing or Sample; or (iii) ENGINEER's written interpretation or clarification.

3.05 *Reuse of Documents*

A. CONTRACTOR and any Subcontractor or Supplier or other individual or entity performing or furnishing any of the Work under a direct or indirect contract with OWNER: (i) shall not 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 ENGINEER's Consultant, including electronic media editions; and (ii) shall not reuse any of 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 adaption by ENGINEER. This prohibition will survive final payment, completion, and acceptance of the Work, or termination or completion of the Contract. Nothing herein shall preclude CONTRACTOR from retaining copies of the Contract Documents for record purposes.

ARTICLE 4 - AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL 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, 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 of explorations and tests of subsurface conditions at or contiguous to the Site that ENGINEER has used in preparing the Contract Documents; and
2. those drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) that ENGINEER has used in preparing the Contract Documents.

B. *Limited Reliance by CONTRACTOR on Technical Data Authorized:* CONTRACTOR may rely upon the general 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, ENGINEER, or any of ENGINEER's Consultants 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 at or contiguous to the Site 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
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 in respect of Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract; or

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 9.08 and 11.03.

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 within the time and 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, OWNER, ENGINEER, and ENGINEER's Consultants 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.

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; 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*

B

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:* Reference is made to the Supplementary Conditions for the identification of those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that have been utilized by the ENGINEER in the preparation of the Contract Documents.

B. *Limited Reliance by CONTRACTOR on Technical Data Authorized:* CONTRACTOR may rely upon the general 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, ENGINEER or any of ENGINEER’s Consultants 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); 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.

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 to CONTRACTOR written notice: (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, ENGINEER, ENGINEER’s Consultants and the officers, directors, partners, employees, agents, other 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.E 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, ENGINEER, ENGINEER’s Consultants, and the officers, directors, partners, employees, agents, other 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.F 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 are not intended to 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 CONTRACTOR's obligations under the Contract Documents. These Bonds shall remain in effect at least until one year after the date when final payment becomes due, 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 current 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 must be accompanied by a certified copy of such agent's authority to act.

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 within 20 days thereafter substitute 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 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. OWNER shall deliver to CONTRACTOR, with copies to each additional insured 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.

5.04 *CONTRACTOR's Liability Insurance*

A. CONTRACTOR shall purchase and maintain such liability and other 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: (i) by any person as a result of an offense directly or indirectly related to the employment of such person by CONTRACTOR, or (ii) 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 so required by this paragraph 5.04 to be purchased and maintained shall:

1. with respect to insurance required by paragraphs 5.04.A.3 through 5.04.A.6 inclusive, include

as additional insureds (subject to any customary exclusion in respect of professional liability) OWNER, ENGINEER, ENGINEER's Consultants, 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, partners, employees, agents, and other 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 completed operations insurance;

4. include contractual liability insurance covering CONTRACTOR's indemnity obligations under paragraphs 6.07, 6.11, and 6.20;

5. contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least thirty 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);

6. 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

7. with respect to completed operations insurance, and any insurance coverage written on a claims-made basis, remain in effect for at least two years after final payment (and 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, ENGINEER, ENGINEER's Consultants, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, partners, employees, agents, and other consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as an additional insured;

2. be written on a Builder's Risk "all-risk" or open peril or special causes of loss policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, false work, 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, 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 additional insured to whom a certificate of insurance has been issued.

B. OWNER shall purchase and maintain such boiler and machinery 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, ENGINEER, ENGINEER's Consultants, and any other individuals or entities identified in the Supplementary Conditions, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured.

C. All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with 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 additional insured 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 paragraph 5.06, OWNER shall, if possible, include such insurance, and the cost thereof will be charged to CONTRACTOR by appropriate Change Order or Written Amendment. 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, ENGINEER, ENGINEER's Consultants, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, and other 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 additional insureds thereunder. OWNER and CONTRACTOR waive all rights against each

other and their respective officers, directors, partners, employees, agents, and other 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, ENGINEER, ENGINEER's Consultants, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, and other 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, ENGINEER, ENGINEER's Consultants, and the officers, directors, partners, employees, agents, and other 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 peril 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, ENGINEER, or ENGINEER's Consultants and the officers, directors, partners, employees, agents, and other 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 insureds, 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 or Written Amendment.

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 2.05.C. 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, but 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. CONTRACTOR shall be responsible to see that the completed Work complies accurately with the Contract Documents.

B. At all times during the progress of the Work, CONTRACTOR shall assign a competent resident superintendent thereto who shall not be replaced without written notice to OWNER and ENGINEER except under extraordinary circumstances. The superintendent will be CONTRACTOR's representative at the Site and shall have authority to act on behalf of CONTRACTOR. All communications given to or received from the superintendent shall be binding on CONTRACTOR.

6.02 *Labor; Working Hours*

A. CONTRACTOR shall provide competent, suitably qualified personnel to survey, lay out, and construct the Work 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, and CONTRACTOR will not permit overtime work or the performance of Work on 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 General Requirements, 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 warranties and guarantees specifically called for 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. 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 (or Milestones). Such adjustments will conform generally to the progress schedule then in effect and additionally will comply with any provisions of the General Requirements applicable thereto.

2. Proposed adjustments in the progress schedule that will change the Contract Times (or Milestones) shall be submitted in accordance with the requirements of Article 12. Such adjustments may only be made by a Change Order or Written Amendment in accordance with Article 12.

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: (i) it is at least equal in quality, durability, appearance, strength, and design characteristics; (ii) it will reliably perform at least equally well the function imposed by the design concept of the completed Project as a functioning whole, and;

b. CONTRACTOR certifies that: (i) there is no increase in cost to the OWNER; and (ii) it will conform substantially, even with deviations, 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 that 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 procedure for review by ENGINEER will be as set forth in paragraph 6.05.A.2.d, as supplemented in the General Requirements and as ENGINEER may decide is appropriate under the circumstances.

d. CONTRACTOR shall first 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 shall certify that the proposed substitute item will perform adequately the functions and achieve the results called for by the general design, be similar in substance to that specified, and be suited to the same use as that specified. The application will state the extent, if any, to which the use of the proposed substitute item will prejudice

CONTRACTOR's achievement of Substantial Completion on time, whether or not 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 work on the Project) to adapt the design to the proposed substitute item and whether or not incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty. All variations of the proposed substitute item from that specified will be identified in the application, and available engineering, sales, maintenance, repair, and replacement services will be indicated. The application will also 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, all of which will be considered by ENGINEER in evaluating the proposed substitute item. ENGINEER may require CONTRACTOR to furnish additional data about the proposed substitute item.

B. *Substitute Construction Methods or Procedures:* If a specific means, method, technique, sequence, or procedure of construction is shown or indicated in and 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 procedure for review by ENGINEER will be similar to that provided in subparagraph 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 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 either a Change Order for a substitute or 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 time required by ENGINEER and ENGINEER's Consultants in evaluating substitute proposed or submitted by CONTRACTOR pursuant to paragraphs 6.05.A.2 and 6.05.B and in making changes in the Contract Documents

(or in the provisions of any other direct contract with OWNER for work on the Project) occasioned thereby. Whether or not ENGINEER approves a substitute item so proposed or submitted by CONTRACTOR, CONTRACTOR shall reimburse OWNER for the charges of ENGINEER and ENGINEER's Consultants for evaluating each such 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 or Written Amendment signed. 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 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 shall it 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 an additional insured 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, ENGINEER's Consultants, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, and other 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. To the fullest extent permitted by Laws and Regulations, CONTRACTOR shall indemnify and hold harmless OWNER, ENGINEER, ENGINEER's Consultants, and the officers, directors, partners, employees or agents, and other consultants 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. CONTRACTOR shall pay all charges of utility owners for connections to the Work, and OWNER shall pay all charges of such utility owners for capital costs related thereto, such as plant investment fees.

6.09 *Laws and Regulations*

A. CONTRACTOR shall give all notices and 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 primary 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 may 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, ENGINEER, ENGINEER's Consultant, and the officers, directors, partners, employees, agents, and other consultants 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 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, Written Amendments, 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. 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. 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 ENGINEER's Consultant, 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). 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 to ENGINEER for review and approval in accordance with the acceptable schedule of Shop Drawings and Sample submittals. All submittals will be identified as ENGINEER may require and in the number of copies specified in the General Requirements. The 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.E.

B. CONTRACTOR shall also submit Samples to ENGINEER for review and approval in accordance with the acceptable schedule of Shop Drawings and Sample submittals. Each Sample will be identified clearly as to material, Supplier, pertinent data such as catalog numbers, and the use for which intended and otherwise as ENGINEER may require to enable ENGINEER to review the submittal for the limited purposes required by paragraph 6.17.E. The numbers of each Sample to be submitted will be as specified in the Specifications.

C. Where a Shop Drawing or Sample is required by the Contract Documents or the schedule of Shop Drawings and Sample submittals acceptable to ENGINEER as required by paragraph 2.07, 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.

D. *Submittal Procedures*

1. Before submitting each Shop Drawing or Sample, CONTRACTOR shall have determined and verified:

a. all field measurements, quantities, dimensions, specified performance criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto;

b. all materials with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work;

c. all information relative to means, methods, techniques, sequences, and procedures of construction and safety precautions and programs incident thereto; and

d. CONTRACTOR shall also have 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.

2. Each submittal shall bear a stamp or specific written indication that CONTRACTOR has satisfied CONTRACTOR's obligations under the Contract Documents with respect to CONTRACTOR's review and approval of that submittal.

3. At the time of each submittal, CONTRACTOR shall give ENGINEER specific written notice of such variations, if any, that the Shop Drawing or Sample submitted may have from the requirements of the Contract Documents, such notice to be in a written communication separate from the submittal; and, in addition, shall cause a specific notation to be made on each Shop Drawing and Sample submitted to ENGINEER for review and approval of each such variation.

E. ENGINEER's Review

1. ENGINEER will timely review and approve Shop Drawings and Samples in accordance with the schedule of Shop Drawings and Sample 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 of Shop Drawings or Samples shall not relieve CONTRACTOR from responsibility for any variation from the requirements of the Contract Documents unless CONTRACTOR has in writing called ENGINEER's attention to each such variation at the time of each submittal as required by paragraph 6.17.D.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 approval; nor will any approval by ENGINEER relieve CONTRACTOR from responsibility for complying with the requirements of paragraph 6.17.D.1.

F. 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, ENGINEER, and ENGINEER's Consultants that all Work will be in accordance with the Contract Documents and will not be defective. CONTRACTOR's warranty and guarantee 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.

B. 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 acceptance by OWNER or any failure to do so;
6. any review and approval of a Shop Drawing or Sample submittal or the issuance of a notice of acceptability by ENGINEER;

7. any inspection, test, or approval by others; or

8. 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, ENGINEER, ENGINEER's Consultants, and the officers, directors, partners, employees, agents, and other 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:

1. 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; and

2. is caused in whole or in part 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, regardless of whether or not caused in part by any negligence or omission of an individual or entity indemnified hereunder or whether liability is imposed upon such indemnified party by Laws and Regulations regardless of the negligence of any such individual or entity.

B. In any and all claims against OWNER or ENGINEER or any of their respective consultants, agents, officers, directors, partners, or employees 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 Consultants or to the officers, directors, partners, employees, agents, and other consultants and subcontractors of each and any of them 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.

ARTICLE 7 - OTHER WORK

7.01 Related Work at Site

A. OWNER may perform other work related to the Project at the Site by OWNER's employees, or let 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 and each utility owner (and OWNER, if OWNER is performing the other work with OWNER's employees) proper and safe access to the Site and a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work and shall properly coordinate the Work with theirs. Unless otherwise provided in the Contract Documents, 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 their work and will only cut or alter their 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.

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 Promptly When Due*

A. OWNER shall make payments to CONTRACTOR promptly 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 in respect of 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 in or relating to existing surface or subsurface structures at or contiguous to the Site that have been utilized by ENGINEER in preparing the Contract Documents.

8.06 *Insurance*

A. OWNER's responsibilities, if any, in 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 in 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. If and to the extent OWNER has agreed to furnish CONTRACTOR reasonable evidence that financial arrangements have been made to satisfy OWNER's obligations under the Contract Documents, OWNER's responsibility in respect thereof will be as set forth in the Supplementary Conditions.

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 and will not be changed without written consent of OWNER and ENGINEER.

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 9.10, and 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 responsibilities and authority and limitations thereon of any such Resident Project Representative and assistants will be as provided in paragraph 9.10 and in the Supplementary Conditions. 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 *Clarifications and Interpretations*

A. ENGINEER will issue with reasonable promptness such written clarifications or interpretations of the requirements of the Contract Documents as ENGINEER may determine necessary, which shall be consistent with the intent of and reasonably inferable from the Contract Documents. Such written clarifications and interpretations will be binding on OWNER and CONTRACTOR. 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, that should be allowed as a result of a written clarification or interpretation, a Claim may be made therefor as provided in paragraph 10.05.

9.05 *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 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, as a result of a Field Order, a Claim may be made therefor as provided in paragraph 10.05.

9.06 *Rejecting Defective Work*

A. ENGINEER will have authority to disapprove or 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.

9.07 *Shop Drawings, Change Orders, and Payments*

A. In connection with ENGINEER's authority as to Shop Drawings and Samples, see paragraph 6.17.

B. In connection with ENGINEER's authority as to Change Orders, see Articles 10, 11, and 12.

C. In connection with ENGINEER's authority as to Applications for Payment, see Article 14.

9.08 *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.

9.09 *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. Claims, disputes and other matters relating to the acceptability of the Work, the quantities and classifications of Unit Price Work, the interpretation of the requirements of the Contract Documents pertaining to the performance of the Work, and Claims seeking changes in the Contract Price or Contract Times will be referred initially to ENGINEER in writing, in accordance with the provisions of paragraph 10.05, with a request for a formal decision.

B. When functioning as interpreter and judge under this paragraph 9.09, 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. The rendering of a decision by ENGINEER pursuant to this paragraph 9.09 with respect to any such Claim, dispute, or other matter (except any which have been waived by the making or acceptance of final payment as provided in paragraph 14.07) will be a condition precedent to any exercise by OWNER or CONTRACTOR of such rights or remedies as either may otherwise have under the Contract Documents or by Laws or Regulations in respect of any such Claim, dispute, or other matter.

9.10 *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 9.10 shall also apply to ENGINEER's Consultants, Resident Project Representative, and assistants.

ARTICLE 10 - CHANGES IN THE WORK; CLAIMS

10.01 *Authorized Changes in the Work*

A. Without invalidating the Agreement 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 Written Amendment, 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.B.

10.03 Execution of Change Orders

A. OWNER and CONTRACTOR shall execute appropriate Change Orders recommended by ENGINEER (or Written Amendments) 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 notice 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) is required by the provisions of any Bond to be given to a surety, 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 and Disputes

A. *Notice:* Written notice stating the general nature of each Claim, dispute, or other matter 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. Notice of the amount or extent of the Claim, dispute, or other matter 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, dispute, or other matter). 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 Time 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).

B. *ENGINEER's Decision:* ENGINEER will render a formal decision in writing within 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any. ENGINEER's written decision on such Claim, dispute, or other matter will be final and binding upon OWNER and CONTRACTOR unless:

1. an appeal from ENGINEER's decision is taken within the time limits and in accordance with the dispute resolution procedures set forth in Article 16; or

2. if no such dispute resolution procedures have been set forth in Article 16, a written notice of intention to appeal from ENGINEER's written decision is delivered by OWNER or CONTRACTOR to the other and to ENGINEER within 30 days after the date of such decision, and a formal proceeding is instituted by the appealing party in a forum of competent jurisdiction within 60 days after the date of such decision or within 60 days after Substantial Completion, whichever is later (unless otherwise agreed in writing by OWNER and CONTRACTOR), to exercise such rights or remedies as the appealing party may have with respect to such Claim, dispute, or other matter in accordance with applicable Laws and Regulations.

C. If ENGINEER does not render a formal decision in writing within the time stated in paragraph 10.05.B, a decision denying the Claim in its entirety shall be deemed to have been issued 31 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any.

D. No Claim for an adjustment in Contract Price or Contract Times (or Milestones) will be valid if not submitted in accordance with this paragraph 10.05.

ARTICLE 11 - COST OF THE WORK; CASH 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 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 include only the following items, and shall not include any of the costs itemized in paragraph 11.01.B.

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 at the Site. 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, 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, expressage, and similar petty cash items in connection with the Work.

i. When the Cost of the Work is used to determine the value of a Change Order or of a Claim, the cost of premiums for additional Bonds and insurance required because of the changes in the Work or caused by the event giving rise to the Claim.

j. When all the Work is performed on the basis of cost-plus, 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, 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 and 11.01.B.

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 *Cash 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 as may be acceptable to OWNER and ENGINEER. CONTRACTOR agrees that:

1. the 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

2. CONTRACTOR's costs for unloading and handling on the Site, labor, installation costs, overhead, profit, and other expenses contemplated for the 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.

B. 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. 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 9.08.

B. 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.

C. 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 any other item of Work; and

3. if 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 or by a Written Amendment. 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 paragraph 12.01.C.2.a 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 (or Milestones) may only be changed by a Change Order or by a Written Amendment. Any Claim for an adjustment in the Contract Times (or Milestones) 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 (or Milestones) covered by a Change Order or of any Claim for an adjustment in the Contract Times (or Milestones) will be determined in accordance with the provisions of this Article 12.

12.03 *Delays Beyond CONTRACTOR's Control*

A. Where CONTRACTOR is prevented from completing any part of the Work within the Contract Times (or Milestones) due to delay beyond the control of CONTRACTOR, the Contract Times (or Milestones) 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.

12.04 *Delays Within CONTRACTOR's Control*

A. The Contract Times (or Milestones) will not be extended due to 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.

12.05 *Delays Beyond OWNER's and CONTRACTOR's Control*

A. Where CONTRACTOR is prevented from completing any part of the Work within the Contract Times (or Milestones) due to delay beyond the control of both OWNER and CONTRACTOR, an extension of the Contract Times (or Milestones) in an amount equal to the time lost

due to such delay shall be CONTRACTOR's sole and exclusive remedy for such delay.

12.06 *Delay Damages*

A. In no event shall OWNER or ENGINEER be liable to CONTRACTOR, any Subcontractor, any Supplier, or any other person or organization, or to any surety for or employee or agent of any of them, for damages arising out of or resulting from:

1. delays caused by or within the control of CONTRACTOR; or

2. delays beyond the control of both OWNER and CONTRACTOR including but not limited to fires, floods, epidemics, abnormal weather conditions, acts of God, or acts or neglect by utility owners or other contractors performing other work as contemplated by Article 7.

B. Nothing in this paragraph 12.06 bars a change in Contract Price pursuant to this Article 12 to compensate CONTRACTOR due to delay, interference, or disruption directly attributable to actions or inactions of OWNER or anyone for whom OWNER is responsible.

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. All defective Work may be rejected, corrected, or accepted as provided in this Article 13.

13.02 *Access to Work*

A. OWNER, ENGINEER, ENGINEER's Consultants, 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, inspecting, and testing. CONTRACTOR shall provide them proper and safe conditions for such access and advise them of CONTRACTOR's Site 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 said paragraph 13.04.B; 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, it must, if requested by ENGINEER, be uncovered 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. If it is found that such 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. If, however, such 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 Milestones), 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. 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).

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 Laws or Regulations or 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: (i) repair such defective land or areas, or (ii) correct such defective Work or, if the defective Work has been rejected by OWNER, remove it from the Project and replace it with Work that is not defective, and (iii) 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. If CONTRACTOR does not promptly comply with the terms of such 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, and 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.

B. 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 or by Written Amendment.

C. 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.

D. 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 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 and remedy any such deficiency.

B. In exercising the rights and remedies under this paragraph, OWNER shall proceed expeditiously. In connection with such corrective and 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 (or Milestones) 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 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 on the Site 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, to the results of any subsequent tests called for in the Contract Documents, to a final determination of quantities and classifications for Unit Price Work under paragraph 9.08, and to 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: (i) 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 (ii) that 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 to supervise, direct, or control the Work or for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for CONTRACTOR's failure to comply with Laws and Regulations applicable to CONTRACTOR's performance of the Work. Additionally, said review or recommendation will not impose responsibility on ENGINEER to make any examination to ascertain how or for what purposes CONTRACTOR has used the moneys paid on account of the Contract Price, or 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 referred to 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 Written Amendment or 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 must 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 corrects to OWNER's satisfaction the reasons for such action.

3. If it is subsequently determined 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.

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. Promptly thereafter, 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. If ENGINEER considers the Work substantially complete, ENGINEER will prepare and 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. 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.

B. OWNER shall have the right to exclude CONTRACTOR from the Site after the date of Substantial Completion, but OWNER shall allow CONTRACTOR reasonable access to complete or correct items on the tentative list.

14.05 *Partial Utilization*

A. Use by OWNER at OWNER's option of 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, may be accomplished prior to Substantial Completion of all the Work subject to the following conditions.

1. OWNER at any time may request CONTRACTOR in writing to permit OWNER to use any such part of the Work, which OWNER believes to

be ready for its intended use and substantially complete. If CONTRACTOR agrees that such part of the Work is substantially complete, CONTRACTOR will certify to OWNER and ENGINEER that such part of the Work is substantially complete and request ENGINEER to issue a certificate of Substantial Completion for that part of the Work. 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. 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.

2. No 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: (i) all documentation called for in the Contract Documents, including but not limited to the evidence of insurance required by subparagraph 5.04.B.7; (ii) consent of the surety, if any, to final payment; and (iii) 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 or OWNER's property might in any way be responsible 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. 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 will become due and, when due, 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 and recommendation of ENGINEER, and without terminating the Agreement, 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 writing which are 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 allowed 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 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 the surety, if any) seven days written notice, terminate the services of CONTRACTOR, 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), 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 finish the Work as OWNER may deem expedient. In such case, CONTRACTOR shall not be entitled to receive any further payment until the Work is finished. 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.

C. 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.

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, elect to terminate the Contract. In such case, CONTRACTOR shall be paid (without duplication of any items):

1. for 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. for 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. for 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. for 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, the Work is suspended for more than 90 consecutive days by OWNER or under an order of court or other public authority, or ENGINEER fails to act on any Application for Payment within 30 days after it is submitted, or 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. 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. Dispute resolution methods and procedures, if any, shall be as set forth in the Supplementary Conditions. If no method and procedure has been set forth, and subject to the provisions of paragraphs 9.09 and 10.05, OWNER and CONTRACTOR may exercise such rights or remedies as either may otherwise have under the Contract Documents or by Laws or Regulations in respect of any dispute.

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 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 if 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, and 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 Agreement.

17.05 *Controlling Law*

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

SECTION 00115

SUPPLEMENTAL GENERAL CONDITIONS

PART 1 - GENERAL

1. SCOPE

These Supplemental General Conditions modify the Standard General Conditions of the Construction Contract as contained herein.

1.1 ARTICLE 1 - DEFINITIONS

The following definitions shall apply throughout the Contract Documents:

- A. Owner/Engineer: The Owner/Engineer shall be Lavaca Navidad River Authority, or its authorized representative.
- B. "Material Provider": The "Material Provider" shall be Contech Engineering Services or Lane Enterprises, Inc., or its authorized representative.
- C. Contractor: The Contractor shall be the corporation, partnership, or individual referred to as Contractor in Section 00115, "Agreement."
- D. Calendar Day: "Calendar Day" is any day of the week or month, no days being excepted.
- E. Working Day: A "Working Day" is defined as any day not including Saturdays, Sundays or any legal holidays, in which weather or other conditions, not under the control of the Contractor, will permit construction of the principal units of the work for a period of not less than seven (7) hours between 7:00 a.m. and 6:00 p.m.

1.2 ARTICLE 5 - BONDS AND INSURANCE

- A. Contractor's Liability Insurance (Paragraph 5.04): Contractor shall purchase and maintain comprehensive general liability insurance in an amount satisfactory to the Owner, as will provide protection from claims set forth below which may arise out of or result from Contractor's performance and furnishing of the work and Contractor's other obligations under the Contract Documents, whether it is to be performed or furnished by Contractor, by any Subcontractor, by anyone directly or indirectly employed by any of them to perform or furnish any of the work, or by anyone whose acts any of them may be liable.

As a minimum, the Contractor shall procure and maintain during the life of this Contract insurance requirements in the following amounts:

TYPE OF INSURANCE		COVERAGE AMOUNT
1.	Workman's Compensation covering all employees	Statutory requirements
2.	Employer's Liability	\$1,000,000
3.	Comprehensive General Liability, including Premises and Operations, Independent Contracts, Products and Completed Operations Broad Form Property Damage, and a Contractual Liability Endorsement	
	a. Bodily Injury	\$1,000,000
	b. Property Damage	\$1,000,000
	c. Aggregate	\$1,000,000
4.	Business Automobile Liability covering owned vehicles, rented and non-owned vehicles, and employee non-ownership	
	a. Bodily Injury	\$1,000,000
	b. Property Damage	\$1,000,000
	c. Aggregate	\$1,000,000

The Comprehensive General and the Automobile policies shall name the Lavaca Navidad River Authority as an additional insured. The policy and any renewal certificate shall provide that the Lavaca Navidad River Authority shall be notified thirty (30) days prior to any cancellation or modification of any coverage. Language to the effect that the company will "endeavor", or "attempt" to so notify the Lavaca Navidad River Authority is not sufficient. Renewal certificates must be received by the Lavaca Navidad River Authority at least ten (10) days prior to any cancellation date. Policies will be in effect until final acceptance, unless otherwise specified.

Paragraphs 5.03 through 5.05 are unchanged.

- B. Property Insurance (Paragraph 5.06 - 5.08 and 5.10): The Owner will not purchase and maintain property insurance for this Project. Delete paragraphs 5.06, 5.07, 5.08, and 5.10 referring to insurance provided by the Owner.

Paragraph 5.09 remains unchanged.

- C. Receipt and Application of Insurance Proceeds (Paragraph 5.08): This paragraph is deleted, the Owner will not purchase property insurance.

- D. Partial Utilization - Property Insurance (Paragraph 5.10): This paragraph is deleted, the Owner will not provide property insurance.

1.2 ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

- A. Patent Fees and Royalties (Paragraph 6.07) and Indemnification (Paragraph 6.20): Delete the last sentence of paragraph 6.07 - "Contractor shall indemnify and hold ... of such right."; add the following:

Upon the failure of Contractor to do and perform all the terms, conditions and obligations of this Agreement. The Contractor shall indemnify and hold harmless Owner and Engineer and anyone directly or indirectly employed by either of them from and against:

1. All claims, damages and losses;
2. All expenses, court costs, mediation costs and reasonable and necessary attorney's fees and additional engineering fees (whether incurred in litigation or otherwise);
3. Any consequential damages incurred by Owner as the result of such failure by Contractor (including economic loss);
4. The cost of rebidding any work not completed by Contractor;
5. Any construction costs incurred as the result of such rebidding, if any; and
6. All fines or cash penalties assessed against Owner or Engineer by any governmental authority.

- B. Permits (Paragraph 6.08.): Delete Paragraph 6.08 and add the following:

Contractor shall familiarize itself with all laws and regulations applicable to the Project and shall obtain and pay for all permits or licenses to perform the scope of the work herein. Contractor shall at all times, comply with all rules, orders, regulations, ordinances and laws of any public authorities, agencies and governmental entities applicable to the prosecution of the work.

- C. Compliance (Paragraph 6.21): Insert the following:

Contractor has completed Form 1295 (attached hereto) including obtaining the certification of filing number, and it has been filed with OWNER, in compliance with Government Code 2252.908 as prescribed by law.

Consistent with Govt. Code, Chapter 2270, by signing below, Contractor hereby verifies that Contractor does not boycott Israel and will not boycott Israel during the term of the Contract.

In compliance with current law, Contractor shall follow LNRA's Policy No. 304.306, giving preference to products manufactured or produced containing recycled materials when procuring consumable office products and cleaning supplies and/or building materials. Cost, quality, reliability and overall value should be considered when evaluating the use or incorporation of recycled products.

1.4 ARTICLE 16 - DISPUTE RESOLUTION AGREEMENT

A. Paragraph 16.01: Delete paragraph and add the following:

1. Time of Filing Claims: It is hereby agreed by both parties hereto that all questions of dispute or adjustment presented by the Contractor shall be in writing and filed with the Engineer within thirty (30) days after the Engineer has given any directions, order or instruction to which the Contractor desires to take exception. The Engineer shall reply within thirty (30) days to such written exceptions by the Contractor and render his final decision in writing.
2. Venue: It is further agreed that venue for settlement of matters resulting from this agreement shall be the District Court of Jackson County, TX s.

***** END OF SECTION *****

DIVISION 1
GENERAL REQUIREMENTS

SECTION 01000

SPECIAL CONDITIONS

PART 1 GENERAL

- 1.1 INSURANCE:** The Contractor shall maintain such insurance as will protect him from claims which may arise from and during operations under this Contract, including Owner's property under care, custody and control of the Contractor, and a copy of such insurance shall be filed with the Owner. The said policy or policies of insurance shall name the Lavaca Navidad River Authority as an additional assured thereunder. The insurance shall remain in force for the life of this Contract. The Contractor's attention is directed to Section 00114 "Standard General Conditions of the Construction Contract" and Section 00115 "Supplemental General Conditions" of these Contract Documents for other requirements regarding insurance.
- 1.2 SCHEDULE OF VALUES:** The Contractor shall submit to the Engineer within ten (10) calendar days after issuance of the Notice To Proceed, a schedule of values used to develop his Bid. This schedule shall be based on the items contained in Section 00105 "Proposal." The Contractor shall break down his costs on the Lump Sum items in sufficient detail to allow the Engineer to verify quantities for the Contractor's monthly pay estimates. After this Schedule of Values is approved by the Engineer, it will be transferred to Section 01027 "Estimate for Partial Payment" which shall be submitted to the Engineer as the Contractor's monthly payment request.
- 1.3 PARTIAL PAYMENTS:** The Contractor shall submit to the Engineer periodic estimates for Partial Payment on the form contained in Section 01001 "Estimate of Partial Payment," as outlined in Section 00114 "Standard General Conditions of the Construction Contract." These estimates shall cover work completed through the end of each month and should reach the Engineer no later than the 5th of each month. The Engineer will review the quantities on the estimate and, if acceptable, will forward these to the Owner for payment. If the quantities are not acceptable to the Engineer, the Engineer and the Contractor will agree on acceptable quantities before submitting the estimate to the Owner. A retainage of ten percent (10%) will be withheld from all partial payments. This retainage will be released after the Contractor has completed the requirements of this Contract.
- 1.4 PAYMENT FOR MATERIALS AND EQUIPMENT:** Payment for materials and equipment shall be made only after these materials and equipment have been delivered to the job site. Payment will not be made for materials stored any place other than the job site.
- 1.5 WATER:** The responsibility shall be upon the Contractor to provide and maintain, at his own expense, an adequate supply of water for his use for construction as well as domestic consumption, and to install and maintain necessary supply connections and piping for same, but only at such locations and in such manner as may be

approved by the Owner. Before final acceptance, temporary connections and piping installed by the Contractor shall be removed in a manner satisfactory to the Owner.

- 1.6 SANITARY FACILITIES:** The Contractor shall furnish and maintain adequate sanitary facilities on the job site at all times. The Contractor shall submit information about the type of facilities to the Engineer for approval. After completion of the project, the Contractor shall remove the sanitary facilities and clean the project site.
- 1.7 ELECTRICITY:** All electric current required by the Contractor shall be furnished by the Contractor. All temporary connections for electricity shall be subject to approval by the Owner. All temporary lines will be furnished, installed, connected and maintained by the Contractor in a workmanlike manner satisfactory to the Owner and in compliance with the requirements of the National Electrical Code and all local ordinances. They shall be removed by the Contractor in like manner at his expense prior to completion of the construction.
- 1.8 SAFETY:** The Contractor shall comply with all of the Owner's safety regulations and shall observe the requirements of the Occupational Safety and Health Act (OSHA), Texas Commission for Environmental Quality (TCEQ), and other Federal and State regulatory agencies concerned with the project. The Contractor shall comply with all procedures prescribed by the Owner for control and safety of persons visiting the job site. It is the Contractor's responsibility to take whatever steps necessary to assure the safety of individuals working on or visiting the site.

The Owner calls the Contractor's attention to the necessity for his proper storage, use and disposal of all materials; proper use and storage of tools and devices; and proper control of construction procedures to assure the health and safety of workmen and of others having access to the job site. It is the Contractor's responsibility to obtain from the manufacturers, and sellers or distributors of material, tools, and devices all requirements for proper and safe usage, storage, and disposal, and to follow these requirements and recommendations carefully. Particular attention is called to the use of paints, thinners, solvents, caulking or patching materials, chemical grouts, and surface treatment materials.

For First Aid instructions, at the contractor's discretion, contact a physician, activate the Emergency Medical System, 9-1-1, or contact **Jackson Medical Clinic, 1013 S. Wells Street, Edna, Texas, 361-782-7820**, or contact other medical facilities.

- 1.9 UTILITY SYSTEMS AND TRAFFIC CONTROL:** Where the Contractor's work requires changes in operation of an existing utility system, or where traffic patterns must be interrupted or changed, he shall contact the Owner or responsible agency prior to beginning work. Directions given by the Owner or responsible agency shall be carefully followed, including requirements for signing, lighting, flagmen, working hours, and all other concerns. Particular attention is directed to work involving streets or public utilities having a direct effect on public health and safety, for instance utility service or road access to hospitals, clinics, fire stations, police stations, or other emergency services.

- 1.10 QUALITY OF ARTICLES, MATERIALS, and EQUIPMENT:** Articles, materials, and equipment to be incorporated into the work under this Contract shall be new and unused.
- 1.11 WORKMANSHIP:** Workmanship shall be of the highest type and shall be performed by mechanics skilled in their trade.
- 1.12 PLANT:** The Contractor agrees to keep on the job sufficient plant to meet the requirements of the work. The plant shall be in satisfactory operating condition and capable of safely and efficiently performing the work as set forth in the specifications. The plant shall be subject to inspection by the Owner at all times.
- 1.13 PROTECTION OF PROPERTY:** The Contractor shall preserve in operating condition all active utilities traversing or adjoining the construction site. Utilities or appurtenances, driveways, drainage structures, roadways or other improvements which are damaged by the Contractor shall be replaced to original condition at no cost to the Owner. No materials are to be burned on the site without the approval of the Owner and the appropriate air quality agency.
- 1.14 ACCESS TO THE WORK:** The Contractor shall provide for access to the work at all times for the Owner, the Owner's Engineer, and their authorized representatives. He shall provide facilities for proper inspection by the above persons and shall exclude no portion of the work from such inspection.
- 1.15 PERMITS:** In the prosecution of the work, the Contractor shall comply with all permit conditions and lawful instructions and requirements of the federal and state agencies having jurisdiction in the areas involved. Such permit conditions and lawful instructions addressed to the Owner which relate to the construction work included in the Contract shall be complied with.
- 1.16 REFERENCE SPECIFICATIONS:** All piping, equipment, liners, etc. which will come in contact with drinking water must have approval from appropriate authority regarding meeting the American National Standards Institute (ANSI)/National Sanitation Foundation (NSF) Standard 61, "Drinking Water System Components - Health Effects - Indirect `Additives'."
- 1.17 SCOPE OF WORK:** The work to be completed by the Contractor under this Contract shall include the following:
- A. Procurement and installation of a HS-20 rated 95 LF 20'-1 x 13'-11 Aluminum Structural Plate Pipe ("ALSP") Arch Culvert, to be provided by Contech Engineering Solutions or Lane Enterprises, that will reline the existing bridge class pipe culvert and be grouted in place. The pipe shall have prefabricated grout ports and supporting documents on placement procedures.

- B. **Installation and removal of sheet pile bulkhead**, and all items necessary to protect the worksite from water infiltration.
- C. **Dewatering**, the area around both sides of the existing bridge class pipe culvert, preparation of dewatered site for erection of ALSP pipe arch panels, grouting, and placement of concrete riprap apron.
- D. **Temporary erosion controls**, temporary sedimentation controls, temporary tree protection (trunk armor, tree protection fencing, etc.), temporary stabilized construction entrances, removal of temporary installations at end of project, obtaining Texas Commission for Environmental Quality Storm Water Pollution Prevention Plan permit (TCEQ SWPPP permit), and all items necessary for the installation to be complete in place.
- E. **Installation** of 20'-1" x 13' – 11" ALSP Pipe Arch as shown in the plans, specifications, and details.
- F. **Installation** of concrete apron, and all items necessary for the installation to be complete in place to the lines and grades shown in the Drawings. The concrete mix design shall be 3000 PSI concrete for a total quantity of 50 cy.
- G. **Concrete false work** between existing and proposed pipe, and grouting pipe according to manufactures recommendations.
- H. **Existing utilities controls**, shall be put in place to provide protection of any lines under the roadway.

FINAL CLEANUP: Upon completion of the work and before acceptance and final payment, the Contractor shall remove rubbish, unused materials, and temporary structures from the limits of the project and restore, in a manner acceptable to the Owner, all property, both public and private that has been damaged during the prosecution of the work. The Contractor shall grade and level all portions of the work where the surface of the natural ground or street surface has been disturbed during construction, and shall leave the site of the work in a neat and presentable condition, free from ruts and holes. No extra payment will be made for this work, its cost being included in established bid items.

Materials cleared from the limits of the project shall not be deposited on adjacent property unless prior approval is obtained from the property owner involved.

- 1.18 SPECIFICATIONS:** Titles to divisions and paragraphs in these Contract Documents are introduced merely for convenience and are not to be taken as a part of the specifications and are, furthermore, not to be taken as a correct or complete segregation of the several units of material and labor. No responsibility, either direct or implied, is assumed by the Engineer for omissions or duplications by the

Contractor or his Sub-Contractor, due to real or alleged error in arrangement of matter in these Contract Documents.

1.19 GUARANTEE: Neither the final acceptance certificate of payment nor any provision in the Contract documents, nor partial or entire occupancy of the premises by the Owner shall constitute an acceptance of the work not done in accordance with the Contract documents or relieve the Contractor of the responsibility for faulty materials or workmanship. The Contractor shall remedy any defects in therefrom, which shall appear within a period of one year from the date of final acceptance of work unless a longer period is specified. The Owner will give notice of observed defects with reasonable promptness. The Contractor shall have his Performance Bond so written that the one (1) year guarantee period is covered by the Performance Bond.

***** END OF SECTION *****

SECTION 01001

ESTIMATE FOR PARTIAL PAYMENT

Project Title:
Owner:
Owner Project Number:

Contractor:		
Estimate No.	For the Pay Period:	
Date of Contract Award:	Date Contract Begun:	
Original Contract Amount:	\$	Original Contract Days: Working
Total Change Order Amount:	\$	Change in Contract Days: Working
Adjusted Contract Amount:	\$	Adjusted Contract Days: Working

ORIGINAL CONTRACT WORK/SCHEDULE OF VALUES

Item No. and Description	Bid Qty. & Units	Qty. Complete	Contract Price	Amount
AMOUNT OF ORIGINAL CONTRACT ITEMS COMPLETED TO DATE				\$

CONTRACT CHANGE ORDERS

Item No. and Description	Change Amount	Change in Days	Percent Complete	Amount Completed
1.				
2.				
3.				
4.				
5.				
6.				
AMOUNT OF CHANGE ORDER ITEMS COMPLETED TO DATE				\$0.00

SUMMARY OF WORK PERFORMED

A.	Amount of Original Contract Items Completed to Date	\$
B.	Amount of Change Order Items Completed to Date	
C.	Materials Stored at Close of Period [Schedule Attached]	
D.	Less Amount Retained in Accordance with Contract	
E.	Net Amount Earned on Contract to Date [A + B + C - D]	
F.	Total Payments Previously Authorized	
G.	BALANCE DUE THIS PAYMENT [E - F]	\$

CONTRACT STATUS

PAY ESTIMATE	CONTRACT DAYS CHARGED	AMOUNT OF PAYMENT AUTHORIZED
1		\$
2		\$
3		\$
TOTAL CONTRACT DAYS CHARGED:		TOTAL PAYMENT (AUTHORIZED): \$
CONTRACT DAY REMAINING:		CONTRACT BALANCE: \$

CERTIFICATION OF CONTRACTOR: According to the best of my knowledge and belief, I certify that all items and amounts shown on the face of this Estimate For Partial Payment are correct, that all work has been performed and/or material supplied in full accordance with the requirements of the referenced Contract, and/or duly authorized deviations, substitutions, alterations, and/or additions, that the foregoing is a true and correct statement of the Contract account up to and including the last day of the period covered by this Estimate and that no part of the "Balance Due This Payment" has been received.

By: _____
CONTRACTOR

Date: _____

APPROVAL FOR PAYMENT: This Estimate for Partial Payment is approved for payment.

By: _____
OWNER

Date: _____

***** END OF SECTION *****

SECTION 01002

SUBMITTALS

PART 1 GENERAL

1.1 SCOPE

This section consists of an itemized list of documents, samples, and other materials to be submitted by the Contractor for the approval of the Engineer. This list is compiled solely to assist the Contractor in meeting the individual submittal requirements outlined in the technical specifications and is not represented as complete in any way.

1.2 BID SUBMITTALS

Each bidder shall submit the following items in his bid:

- A. Section 00101, "Instructions to Submitters": As outlined in Paragraph 1.6 of this section, the submitter shall submit a bid security in the form of cash, a certified check, bank draft, negotiable U.S. Government Bonds, or a satisfactory bid bond executed by the bidder and an acceptable surety, in the amount of five percent (5%) of the total bid.
- B. Section 00104, "Proposal": The Bidder shall submit the entire section.
- C. Section 00106, Questionnaire. Submitter shall submit the entire section.
- D. Section 001007, "Statement of Submitter's Qualifications": The Bidder shall submit the entire section.

1.3 CONTRACT SUBMITTALS

After the Owner has executed the Contract with the Successful Bidder, the Contractor shall submit the following items:

- A. Section 00111, "Agreement": The Contractor shall execute and submit two (2) original sets of this section.
- B. Section 00112, "Performance Bond": The Contractor shall execute, as outlined in the Contract Documents, and submit two (2) original sets.
- C. Section 00113, "Payment Bond": The Contractor shall execute, as outlined in the Contract Documents, and submit two (2) original sets.
- D. Section 01000, "Special Conditions": The Contractor shall furnish to the Owner the following items:

1. Insurance Certificates: As outlined in Item 3, the Contractor shall furnish insurance certificates, showing the type, amount, class of operations covered, effective dates, and date of expiration for the following insurance policies:
 - a. Public Liability Insurance
 - b. Property Damage Insurance
 - c. Vehicle Liability Insurance
 - d. Workers Compensation Insurance

Such certificates shall name the Lavaca Navidad River Authority as the certificate holder.

1.4 SHOP DRAWING SUBMITTAL PROCEDURES

The Contractor shall follow the procedure outlined below when processing submittals:

- A. Quantity: The Contractor shall transmit three (3) copies of each submittal to be retained by the Owner. Any copies required by the Contractor must be submitted in addition to these three (3) sets.
- B. Submittal Transmittal Forms: The Contractor shall use the Submittal Transmittal Form attached at the end of this Section. Sequentially number each transmittal form. Resubmittals shall have the original submittal number with an alphabetic suffix. On the submittal form identify the Contractor, the Subcontractor or supplier; pertinent Drawing sheet and detail number(s), and specification Section number, as appropriate.
- C. Contractor's Stamp: Apply Contractor's stamp, appropriately signed or initialed certifying that review, verification of Products required, field dimensions, adjacent construction Work, and coordination of information, is in accordance with the requirements of the Work and Contract Documents.
- D. Scheduling: Schedule the submittals to expedite the Project, and deliver to the Owner for approval. Coordinate the submission of related items.
- E. Marking: Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information unique to this Project.
- F. Variations: Identify any proposed variations from the Contract Documents and any Product or system limitations which may be detrimental to successful performance of the completed Work.

- G. Space Requirements: Provide adequate space for Contractor and Owner review stamps.
- H. Resubmittals: Revise and resubmit submittals as required and clearly identify all changes made since previous submittal.
- I. Distribution: Distribute copies of reviewed submittals to Subcontractors and suppliers. Instruct parties to promptly report any inability to comply with provisions.

1.5 CONSTRUCTION PROGRESS SCHEDULES

- A. Initial Schedule: Submit an initial construction progress schedule within twenty (20) days after the date the Notice to Proceed for the Owner's review.
- B. Items to Include: Show complete sequence of construction by activity, identifying Work of separate stages and other logically grouped activities. Identify the first work day of each week.
- C. Re-Submission: Revise and resubmit as required by the Owner.
- D. Submittal Dates: Indicate submittal dates required for all submittals.

1.6 SAMPLES

Submit samples of finishes from the full range of manufacturers' standard colors, textures, and patterns for Owner's selection. Coordinate sample submittals for interfacing work.

1.7 MANUFACTURER'S INSTRUCTIONS

- A. Instructions: When specified in individual specification Sections, submit manufacturers' printed instructions for delivery, storage, assembly, installation, adjusting, and finishing, in quantities specified for Product Data.
- B. Conflicts: Identify conflicts between manufacturers' instructions and the Contract Documents and Specifications.

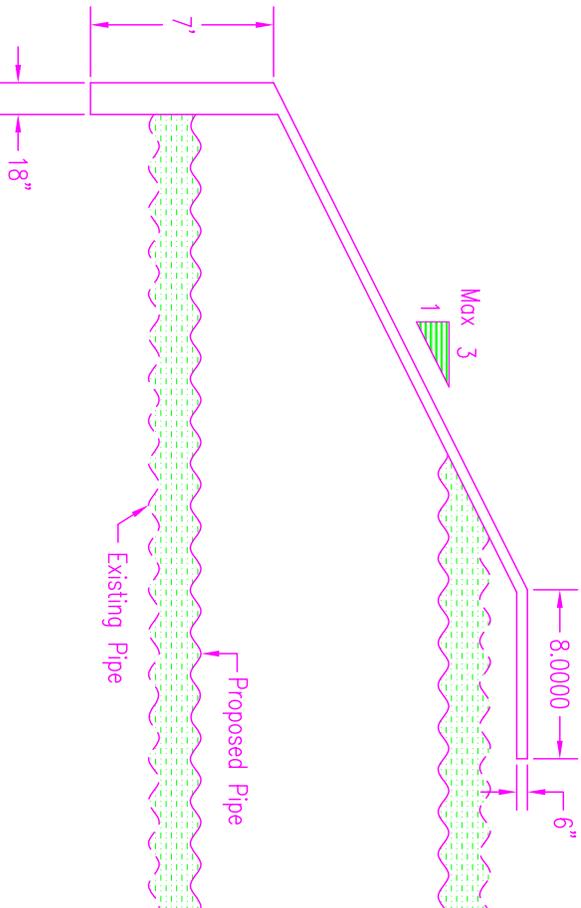
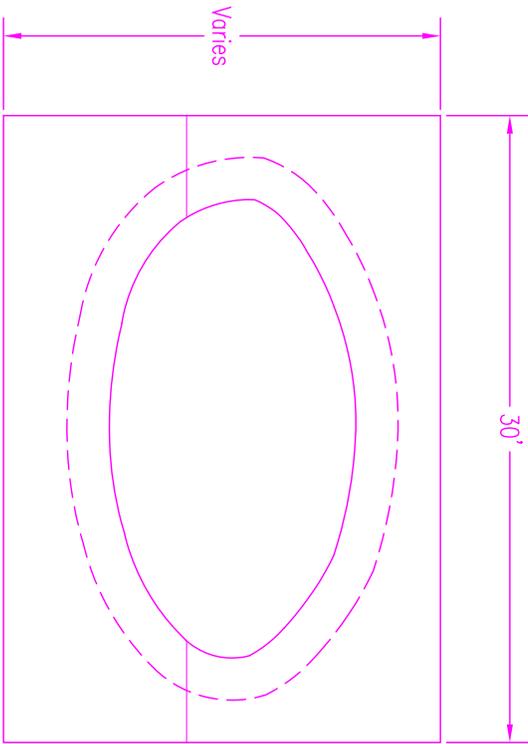
1.8 MANUFACTURER'S CERTIFICATES

- A. Conformance: Indicate that material or product conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
- B. Acceptance: Certificates may be recent or previous test results on material or Product, but must be acceptable to the Owner.

*** END OF SECTION ***

DRAWINGS

Pipe Riprap Apron Detail



Note: Generally the contractor will supply all materials and labor to construct the concrete sloped end treatments as shown here and will adjust work to fit existing field conditions.

REVISIONS			
Date	Description	Approved	

LNRA
Lavaca-Navidad River Authority

Texana Culvert Replacement		Designed _____
ADDRESS 4631 FM 3131		Drawn _____
CITY-STATE EDNA, TX		Checked _____
Approved _____		Date _____
Title _____		Job Class _____

